CATALOGUE



PRODUCTS AND SYSTEMS
FOR ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES

2015

legrand®

MCBs, RCDs & DIN rail equipment



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RX³ MCBs up to 63 A



P. 44
TX³ MCBs up to 63 A

ACBs, MCCBs, head equipment & energy compensation



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EMDX³ multi-function measuring units



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Alpican capacitors

Enclosures

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British standard consumer units



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Nedbox cabinets

Equipment & accessories



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Viking 3 terminal blocks



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Osmoz control & signalling units

Arteor wiring accessories



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Arteor mechanical and electronic switches



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Arteor international socket outlets

Home Automation and Home Network



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Arteor Radio/Zigbee key cover selection charts



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Arteor BUS/SCS key cover selection charts

Other wiring accessories



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Kaptika flush-mounting



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British standard wiring accessories

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Belanko



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Mallia complete white

Weatherproof wiring accessories and other installation equipment



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Lighting management, emergency lighting, access control & CCTV



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Lighting management solutions



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UPS, LCS² & cable management systems



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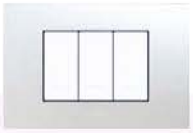
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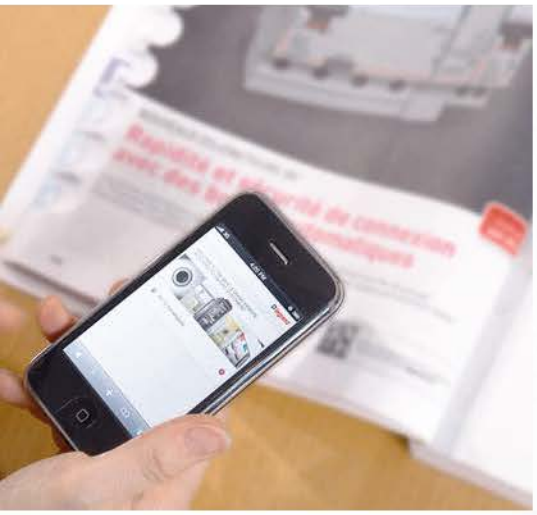

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15	-	20/100
58	-	20/100
59	-	10/50
60	763	10/50
61	-	10/100
62	762	10/100
63	-	10/100
66	-	20/400
67	764	10/50
68	-	5/25
69	-	5/25
70	-	5/25
88	-	20/500
89	763	10/50
90	-	5/50
91	762	20/200
92	-	20/200
0 112 02	764	20
03	-	20
04	-	20
06	-	10
08	-	10
12	-	20
13	-	20
14	-	20
16	-	10
18	-	10
20	762	1
21	-	1
22	-	1
27	763	1
28	-	1
29	-	1
30	-	1
31	762	1
32	-	1
33	-	1
38	763	1
39	-	1
40	-	1
41	-	1
42	762	10
43	-	10
44	-	10
45	763	5
46	-	2

Cat.Nos	Page N°	Pack
0 112 47	763	2
48	-	2
50	762	5/25
51	-	5/25
52	-	5/25
53	-	5/25
54	-	5
0 113 10	066	10/4000
0 114 06	066	10/4000
10	-	100/4000
0 116 10	066	10/2000
16	-	10/2000
0 117 16	066	10/2000
0 120 04	159	10/2500
06	-	10/2500
08	-	10/2500
10	-	10/2500
0 123 00	159	10/2500
01	-	10/2500
02	-	10/2500
04	-	10/2500
06	-	10/2500
10	-	10/2500
16	-	10/2500
20	066	10/2500
0 124 02	159	10/2500
04	-	10/2500
06	-	10/2500
10	-	10/2500
16	-	100/2500
20	066	10/2500
0 126 16	066	10/2000
20	-	10/2000
25	-	10/2000
0 127 25	066	10/2000
0 130 01	159	10/1500
02	-	10/1500
04	-	10/1500
06	-	10/1500
08	-	10/1500
10	-	10/1500
12	-	10/1500
16	-	10/1500
20	-	10/1500
25	-	10/1500
95	-	10/1500
0 133 00	159	10/1500
01	-	10/1500
02	-	10/1500
04	-	10/1500
06	-	10/1500
08	-	10/1500
10	-	10/1500
16	-	10/1500
20	-	10/1500
25	-	10/1500
32	066	10/1500
94	159	10/1500
0 134 02	159	10/1500
04	-	10/1500
06	-	10/1500
08	-	10/1500
10	-	10/1500
16	-	10/1500
20	-	10/1500
25	-	10/1500
32	066	10/1500
0 140 10	159	10/600
12	-	10/600
16	-	10/600
20	-	10/600
25	-	10/600
32	-	10/600
40	-	10/600
50	-	10/600

Cat.Nos	Page N°	Pack
0 141 02	159	10/500
04	-	10/500
06	-	10/500
08	-	10/500
10	-	10/500
12	-	10/500
16	-	10/500
20	-	10/500
25	-	10/500
32	-	10/500
40	-	10/500
50	-	10/500
0 143 00	159	10/600
06	-	10/600
10	-	10/600
16	-	10/600
20	-	10/600
25	-	10/600
32	-	10/600
40	-	10/600
50	-	10/600
0 145 16	159	10/500
20	-	10/500
25	-	10/500
32	-	10/500
40	-	10/500
50	-	10/500
0 146 00	093	1/12
01	-	1/12
10	-	1/42
13	-	1/42
15	-	1/42
16	-	1/42
17	-	1/42
18	-	1/42
20	-	1/42
21	-	1/42
22	-	1/42
24	-	1/42
25	-	1/42
26	-	1/42
28	-	1/42
50	311	1/20
52	-	1/20
53	-	1/20
60	093	1/12
61	-	1/12
66	-	1/42
68	085	1/10
69	-	1/10
71	-	1/30
72	-	1/30
73	-	1/30
74	-	1/30
75	-	1/30
77	-	1/30

0 150 00

Cat.Nos	Page N°	Pack
0 150 25	159	10/250
32	-	10/250
40	-	10/250
50	-	10/250
63	-	10/250
80	-	10/250
96	-	10/250
97	-	10/250
0 151 25	159	10/200
32	-	10/200
40	-	10/200
50	-	10/200
63	-	10/200
80	-	10/200
95	-	10/200
97	-	10/200
0 153 00	159	10/250
16	-	10/250
20	-	10/250
25	-	10/250
32	-	10/250
40	-	10/250
50	-	10/250

Cat.Nos	Page N°	Pack
0 153 63	159	10/250
80	-	10/250
96	-	10/250
97	-	10/250
0 155 50	159	10/200
63	-	10/200
80	-	10/200
96	-	10/200
97	-	10/200
0 160 35	160	3/60
40	-	3/60
45	-	3/60
50	-	3/60
0 163 18	160	10/50
20	-	10/50
22	-	10/50
25	-	10/50
30	-	10/50
35	-	10/50
40	-	10/50
45	-	10/50
50	-	10/50
55	-	10/50
0 166 35	160	3/30
40	-	3/30
45	-	3/30
50	-	3/30
55	-	3/30
0 168 35	160	3/30
40	-	3/30
45	-	3/30
50	-	3/30
55	-	3/30
0 171 50	160	3/30
55	-	3/30
60	-	3/30
65	-	3/30
0 173 50	160	3/30
55	-	3/30
60	-	3/30
65	-	3/30
0 176 60	160	3/15
65	-	3/15
70	-	3/15
75	-	3/15
0 178 60	160	3/15
65	-	3/15
70	-	3/15
75	-	3/15
0 190 03	736	10
06	-	10
12	-	10/100
16	-	10/100
20	-	10/100
24	-	10/100
36	-	10/500
40	-	10/500
43	-	5/125
45	-	5/125
47	-	5/25
49	-	10/100
51	-	10/200
53	-	10/200
54	-	10/200
70	-	2/36
71	-	2
72	-	2
73	-	1
74	-	2/36
75	-	2
76	-	2
77	-	1
78	-	4/16
80	-	1/18
81	-	1
82	-	1
83	-	1/18
84	-	1

Cat.Nos	Page N°	Pack
0 190 85	736	1
86	737	1/18
87	-	1
88	-	1
90	-	6/60
91	-	1/10
92	-	1
93	736	10/50
94	-	5/25
96	-	5/50
97	737	10/100
98	-	10/100
99	-	1/18
0 199 02	160	5/50
30	-	5/50
31	-	5/50
32	-	5/25
35	-	5/20
36	-	5/20
37	-	1/**5**
38	-	5
39	-	5/20
42	-	3/30
43	-	1/10
44	-	3/30
45	-	1/10
46	-	3/30
47	-	3/30
48	-	3/15
49	-	1/10
50	-	3/15
51	-	1/10

0 200 00

Cat.Nos	Page N°	Pack
0 200 00	200	1/8
02	199	1
03	-	1
04	-	1
05	-	1
06	-	1
10	198	1/6
13	-	1
14	-	1
15	-	1
16	-	1
20	199	1
21	-	1/10
35	-	1/12
45	-	1
46	-	1
50	200	1/20
51	-	20
52	199	1
53	-	1
54	-	1
55	-	1
56	-	1
70	200	1/10
71	199	1/10
80	209	100/2000
90	208	1/10
91	-	50/500
92	-	20/400
93	200	1/15
94	-	10/100
98	208	6
0 201 00	199	1/10
03	204	1
04	-	1
05	-	1
06	-	1
07	-	1
08	-	1
10	205	1
12	-	1
18	204	1
19	-	1
20	205	1/6
21	-	1/10
23	204	1
24	-	1
25	-	1
26	-	1
27	-	1

Cat.Nos	Page N°	Pack
0 201 28	204	1
30	200	1/20
35	208	1/15
37	-	1/30
38	204	1
39	-	1
40	208	1
41	-	1/8
42	-	1/4
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1
48	-	1
49	-	1
50	199	1/12
60	200	1
63	205	1
64	-	1
65	-	1
66	-	1
67	-	1
68	-	1
69	-	1
70	209	1/10
90	208	1
93	209	10/60
95	216	1/6
96	208	1
0 202 01	206	1/10
02	208	1/6
03	207	1/5
04	208	1/20
05	203	1/2
06	206	1/10
07	207	1/4
09	206	1/2
11	-	1/2
13	-	1/2
17	207	1/2
21	-	1/4
23	-	1
25	-	1/4
28	-	1/4
29	-	1
40	208	1
41	-	1/4
42	-	1/4
43	-	2
52	200	1
53	-	1
54	-	1
55	-	1
56	-	1
57	205	1
58	-	1
59	-	1
72	200	1
73	-	1
74	-	1
75	-	1
76	-	1
77	205	1
78	-	1
79	-	1
82	200	1
83	-	1
84	-	1
85	-	1
86	-	1
87	205	1
88	-	1
89	-	1
91	200	1/24
92	-	1/24
93	-	1/24
94	-	1/24
96	216	1/24
0 203 00	206	1/5
01	-	1/5
03	207	1
04	-	1
07	-	1
09	206	1
10	-	1

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 203 11	206	1
12	-	1
13	-	1/5
14	-	1/5
15	-	1/5
16	-	1/5
17	-	1/5
18	207	1
21	-	1
23	-	1
25	-	1
27	-	1
28	-	1
29	-	1
40	208	1
41	-	1
42	-	1/5
43	-	1/5
44	-	1
60	200	1
89	208	1
91	200	1
99	-	10/400
0 204 01	212	1
02	-	1
03	213	1
04	-	1
06	212	1
07	-	1
08	213	1
09	-	1
10	216	1
11	-	1
12	-	1
20	-	1
23	213	1
24	-	1
26	212	1
27	-	1
28	213	1
29	-	1
33	-	1
34	-	1
35	216	1/15
36	-	1
37	-	1/15
41	211	1
42	-	1
43	213	1
44	-	1
46	212	1
47	-	1
48	213	1
49	-	1
51	214	1
52	-	1
53	215	1
54	-	1
56	214	1
57	-	1
58	215	1
59	-	1
60	216	1
61	-	1
62	-	1
66	214	1
67	-	1
68	215	1
69	-	1
70	219	1
73	215	1
74	-	1
82	214	8/40
83	215	1
84	-	1
86	214	1/20
90	216	1
91	-	1
0 205 00	224	1
01	-	1
02	-	1
03	-	1
04	-	1
05	-	1
06	-	1
07	-	1

Cat.Nos	Page N°	Pack
0 205 08	224	1
09	-	1
10	225	1/20
11	224	1
12	-	1
13	-	1
14	-	1
15	-	1
16	-	1
17	-	1
18	-	1
19	-	1
20	-	1
21	-	1
22	-	1
23	-	1
29	233	1
30	224	2
31	187	1
32	-	1
36	237	1
37	-	1
38	-	1
39	-	1
40	233	1
41	224	1
42	-	1
43	-	1
44	232	1
45	-	1
46	-	1/20
47	224	1
48	-	1
51	187	1
52	-	1
53	-	1
54	225	1
57	-	1
58	224	1
59	-	1
61	-	1
62	-	1
63	-	1
64	225	1
67	-	1
68	224	1
69	-	1
70	219	1/10
71	225	1
74	-	1
77	-	1
79	224	1
82	225	1/5
84	-	1
85	214	1/6
86	225	1/15
87	-	1
88	-	1/8
89	-	1/6
92	237	1
96	-	1/4
97	-	1/6
98	-	1/6
99	-	1/4
0 206 01	217	1/5
02	219	1/6
04	-	1
05	217	1
07	-	1
08	218	1
11	-	1
13	-	1
15	-	1
17	-	1
18	227	1
19	-	1
20	218	1
21	-	1
22	-	1
23	-	1
27	217	1
28	213	1/2
29	-	1
40	233	1/2
41	219	1
42	-	1
43	-	1
44	-	1

Cat.Nos	Page N°	Pack
0 206 45	219	1
46	-	1
47	233	1
48	-	1
49	-	1
50	224	1
51	217	1
52	219	1
54	-	1
55	217	1
57	-	1
61	218	1
63	229	1
69	-	1
70	218	1
71	229	1/5
72	218	1
73	229	1/5
76	230	1
78	213	1/2
79	-	1
80	223	1
81	229	1/5
83	-	1/5
86	231	1
87	-	1
90	233	1
0 207 20	230	1
21	-	1
22	-	1
23	-	1
35	231	1
36	-	1
49	229	1/5
50	224	1/5
51	232	1
52	-	1
53	-	1
54	-	1
59	229	1/5
61	-	1
64	-	1/5
69	-	1/5
70	230	1
72	-	1
85	-	1/5
86	-	1/5
87	-	1
88	-	1
90	229	1
91	-	1
93	230	1
94	229	1
95	-	1
96	-	1
97	-	1
98	230	1
0 208 00	217	1/5
01	-	1/5
02	237	1
03	-	1
05	218	1
06	217	1
07	-	1
08	237	1
09	-	1
10	217	1
13	218	1/5
17	-	1/5
18	237	1
19	-	1
20	218	1
22	-	1
23	-	1
27	237	1
28	-	1
29	-	1
34	218	1
36	227	1
37	237	1
38	-	1
39	-	1
40	219	1
41	-	1
42	-	1/5
43	-	1/5
44	-	1

Cat.Nos	Page N°	Pack
0 208 45	219	1
46	-	1
48	237	1
49	-	1
50	224	1
51	-	1
52	-	1
53	-	1
54	-	1
55	-	1
56	-	1
57	-	1
58	-	1
59	-	1
61	225	1
62	-	1
63	-	1
64	-	1
65	-	1
66	224	1
67	-	1
68	237	1
69	-	1
70	-	1
71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
77	-	1/5
78	-	1/5
79	-	1/5
86	-	1
87	-	1
88	-	1
89	-	1
91	-	1/2
92	-	1/4
93	-	1
94	-	1
95	-	1
96	-	1/4
97	-	2
99	-	1
0 209 00	217	1/10
01	-	1/10
05	218	1
06	217	1
07	-	1
10	-	1
13	218	1/10
17	-	1/10
18	227	1
19	-	1
20	218	1
21	228	1
22	218	1
23	-	1
27	-	1
34	-	1
35	231	1
36	-	1
38	232	1
39	-	1
40	219	1
41	-	1
42	-	1/10
43	-	1/10
44	-	1
45	-	1
46	-	1
48	232	1
49	219	1/10
50	217	1
51	-	1
57	-	1
59	219	1/40
60	217	1
62	-	1
65	229	1
70	218	1
72	-	1
76	230	1
84	218	1
86	231	1
87	-	1

Cat.Nos	Page N°	Pack
0 209 89	219	1
90	-	1
91	-	1
92	-	1
93	-	1
94	-	1
95	-	1
96	-	1
0 211 00	217	1
02	218	1
03	227	1
04	231	1
05	-	1
06	227	1
10	218	1
11	-	1
12	-	1
13	217	1
14	231	1
15	-	1
16	-	1
20	153	1
21	-	1
22	-	1
23	-	1
24	-	1
25	-	1
27	-	1
28	-	1
29	-	1
30	234	1
31	-	1
32	-	1
33	-	1
34	-	1
35	-	1
36	-	1
37	-	1
38	-	1
39	-	1
40	-	1
41	-	1
42	-	1
44	-	1
45	-	1
46	-	1
47	-	1
48	-	2
49	-	1
0 212 04	230	1
08	229	1
09	221	1
11	229	1
13	-	1/10
17	230	1
18	-	1
19	-	1
20	-	1
21	-	1
23	-	1
34	231	1
35	-	1
37	-	1
45	232	1
47	-	1
48	-	1
51	212	1
52	-	1
53	213	1
54	-	1
56	212	1
57	-	1
58	213	1
59	-	1
61	212	1
62	-	1
63	213	1
64	-	1
66	212	1
67	-	1
68	213	1
69	-	1
71	214	1
72	-	1

Cat.Nos	Page N°	Pack
0 212 73	215	1
74	-	1
76	214	1
77	-	1
78	215	1
79	-	1
95	230	1
0 214 04	158	3/30
05	-	2/20
0 215 04	158	1/10
05	-	1/10
0 216 04	158	1/10
05	-	1/10
0 221 71	156	1/20
72	-	1/20
73	-	1/20
74	-	1/4
75	-	1/4
76	-	1/4
77	-	1/4
79	-	1/20
81	-	1/20
82	-	1/20
83	-	1/20
84	-	1/4
85	-	1/4
86	-	1/4
87	-	1/4
88	-	1/20
89	-	1/20
0 222 82	156	5/100
0 224 98	146	1/20
0 225 00	146	1/20
02	-	1/10
03	-	1/20
05	-	1/20
07	-	1/20
12	-	1/10
15	-	1/10
16	-	1/10
18	-	1/10
20	-	1/10
22	-	1/10
25	-	1/10
27	-	1/10
34	-	1/10
39	-	1/10
44	-	1/10
46	-	1/10
51	-	1/10
53	-	1/10
54	-	1/10
56	-	1/10
0 226 05	157	1/6
07	-	1/6
15	-	1
17	-	1
25	-	1
27	-	1
33	-	1
34	-	1
35	-	1
37	-	1
0 227 00	156	1/50
04	146	1/100
07	-	1/100
32	-	1/10
97	061	1/50
0 229 01	305	20/800
02	-	20/800
03	-	10/400
10	-	5/250
11	-	5/250
12	-	5/250
13	-	5/250
14	-	5/250
20	-	1/100

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 229 21	305	1/100
22	-	1/100
23	-	1/40
24	-	1/40
40	-	5/250
41	-	5/250
42	-	5/250
43	-	5/250
44	-	5/250
60	-	20/800
61	-	10/120
62	-	10/120
64	-	20/800
65	-	5/200
66	-	5/200
68	-	10/400
71	-	1/100
72	-	1/100
73	-	10/120
74	-	10/120
76	-	10/120
77	-	1/50
78	-	1/50
80	-	1/50
81	-	1/50
82	-	1/50
90	-	1/50
91	-	1/50
92	-	1/50
0 230 00	305	5/200
01	-	5/200
02	-	5/200
03	-	1/50
04	-	1/50
05	-	1/50
06	-	5/200
07	-	5/200
08	-	5/200
10	-	5/200
11	-	5/200
12	-	5/200
13	-	1/100
14	-	1/50
15	-	1/100
16	-	5/200
17	-	5/200
18	-	5/200
0 238 00	302	10/400
01	-	10/400
02	-	10/400
03	-	10/400
04	-	10/400
06	-	10/400
08	-	1/40
09	-	1/100
11	-	5/250
12	-	5/250
13	-	5/250
21	-	5/250
22	-	1/100
26	-	5/250
34	-	10/100
35	-	10/100
36	-	10/100
37	-	1/15
72	-	10/100
74	-	10/100
76	-	1/15
80	-	10/100
81	-	1/40
82	-	10/100
83	-	1/15
85	-	10/100
91	-	10/100
92	-	1/50
94	-	1/50
95	-	5/50
0 239 01	302	1/40
02	-	1/40
03	-	10/100
04	-	1/40
09	-	1/40
15	-	10/100
21	-	1/40
22	-	1/40

Cat.Nos	Page N°	Pack
0 239 23	302	10/100
24	-	1/100
26	-	1/100
27	-	1/100
28	-	5/200
29	-	1/40
30	303	10/100
31	-	1/40
32	-	1/40
34	-	1/40
40	-	5/200
43	-	1/100
50	-	1/100
51	-	1/100
52	-	1/100
53	-	1/40
54	-	1/100
60	-	1/100
61	-	1/100
63	-	1/100
80	302	5/200
82	-	5/200
0 240 00	303	10/400
01	-	10/400
02	-	10/400
03	-	1/40
04	-	5/250
11	-	1/100
12	-	1/100
31	304	1/100
32	-	5/200
33	-	1/100
35	-	1/40
36	-	1/40
37	-	1/40
41	-	1/40
42	-	5/40
43	-	5/40
51	-	1/40
52	-	1/100
53	-	1/100
54	-	1/100
55	-	1/100
56	-	1/100
57	-	1/100
58	-	1/40
59	-	1/40
60	-	1/40
61	-	1/40
73	303	5/200
80	304	1/15
82	-	5/50
91	-	1/50
0 241 00	304	10/100
01	-	10/100
02	-	10/100
03	-	1/100
04	-	10/100
05	-	10/100
20	-	10/100
21	-	10/100
22	-	10/100
23	-	1/100
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32	-	1/100
33	-	1/40
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40	-	10/100
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42	-	10/100
43	-	1/100
44	-	10/100
60	-	10/400
61	-	10/400
62	-	10/400
63	-	5/250
64	-	5/250
71	306	10/1000
73	-	1/50
76	-	10/400
79	-	10/400
81	-	1/50
85	-	1/12
87	-	10/400

Cat.Nos	Page N°	Pack
0 241 88	306	1/100
90	-	5/250
91	-	5/250
92	-	5/250
93	-	5/250
96	-	1/100
0 242 00	306	1/40
01	-	1/40
02	-	1/10
03	-	1/10
04	-	1/10
05	-	1/10
41	-	10/500
42	-	10/500
50	-	1/100
51	-	1/100
52	-	1/100
53	-	1/40
54	-	1/100
70	-	1/100
71	-	1/100
72	-	1/100
73	-	1/100
74	-	1/100
0 243 02	306	10/1000
03	-	10/1000
07	-	10/400
08	-	10/1000
15	-	10/1000
16	-	10/1000
18	-	10/1000
19	-	10/400
30	-	10/1000
32	-	10/400
43	-	10/400
44	-	10/400
51	-	10/1000
0 248 45	306	1/12

0 250 00

0 253 45	132	1
0 254 15	132	1
0 260 60	132	1
61	-	1
63	-	1
64	-	1
65	-	1
67	-	1
88	139	1/24
92	-	1/12
93	-	1/10
94	-	1
95	-	1
96	-	1
97	-	1
98	-	1
0 261 19	137	1
23	-	1
24	-	1
25	-	1
26	-	1
27	-	1
28	-	1
29	-	1
36	087	1/2
37	-	1/3
40	133	1/2
41	-	1/2
44	-	1/2
45	087	1/4
54	137	1
56	138	1
58	133	1/5
59	-	1/5
60	149	1/5
64	-	1/5
65	-	1/5
66	-	1/5
67	-	1/5
68	-	1/5

Cat.Nos	Page N°	Pack
0 261 70	149	1/5
71	-	1/5
72	-	1/5
73	-	1/5
74	-	1/5
75	-	1/5
76	-	1/5
78	085	1
79	-	1
80	149	1/8
81	-	1/8
82	-	1/8
83	-	1/8
84	-	1/5
85	-	1/5
86	-	1/8
88	085	1/12
89	-	1/12
90	149	1/4
91	-	1/4
93	138	1
94	-	1
0 262 24	133	1/8
30	114	1/4
39	147	1/6
40	114	1/5
41	133	1
44	114	1
45	-	1
46	133	1/6
47	114	1/3
48	-	1/5
49	-	1/6
50	-	1/5
51	-	1/3
60	137	1/4
61	-	1
64	-	1
65	-	1
66	-	1/3
67	-	1/5
68	-	1/3
69	-	1/5
70	-	1/6
73	-	1
74	-	1
81	133	1/3
82	-	1/3
83	137	1
84	-	1
87	147	1/6
88	-	1/5
93	133	1/6
94	-	1/6
0 263 50	114	1/4
51	-	1/4
52	-	1/4
53	-	1
80	137	1
81	-	1
82	-	1
83	-	1
0 264 04	132	1
05	137	1
09	132	1
10	137	1
0 265 10	147	1/5
11	-	1/6
74	132	1/8
75	-	1
76	-	1/12
78	-	1/5
79	137	1/5
80	-	1/5
89	149	1/3
90	-	1/3
91	-	1
92	-	1
93	-	1
94	-	1
95	-	1
96	-	1
97	-	1
98	-	1

Cat.Nos	Page N°	Pack
0 266 02	147	1
03	-	1
06	-	1
07	-	1
12	-	1
13	-	1
16	-	1
17	-	1
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23	-	1
26	-	1
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30	-	1
31	-	1
32	-	1
33	-	1
34	-	1
35	-	1
36	-	1
37	-	1
40	-	1
41	-	1
42	-	1
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1
50	-	1
51	-	1
52	-	1
53	-	1
54	-	1
55	-	1
56	-	1
57	-	1
60	148	1
61	-	1
62	-	1
63	-	1
64	-	1
65	-	1
66	-	1
67	-	1
68	-	1
69	-	1
70	-	1
71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
77	-	1
78	-	1
79	-	1
80	-	1
81	-	1
82	-	1
83	-	1
86	147	1/5
87	-	1/3
89	-	1/8
90	-	1/8
92	-	1
94	-	1
97	148	1/12
0 270 00	106	1/12
01	-	1/12
02	-	1/12
03	-	1/12
04	-	1/12
05	-	1/12
07	-	1/12
08	-	1/12
09	-	1
10	-	1/9
11	-	1/9
12	-	1/9
13	-	1/9
14	-	1/9
15	-	1/9
16	-	1/9
17	-	1/9
18	-	1/6
19	-	1/6
20	-	1/6
21	-	1/6
22	-	1/6
23	-	1/6
24	-	1/9
25	-	1/9
26	-	1/9
27	-	1/9
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29	-	1/9
30	-	1/6
31	-	1/6
32	-	1/6
33	-	1/6
34	-	1/6
35	-	1/6
40	-	1/24

Cat.Nos	Page N°	Pack
0 270 22	106	1/12
23	-	1/12
24	-	1/12
25	-	1/12
27	-	1/12
28	-	1/12
29	-	1
30	-	1/9
31	-	1/9
32	-	1/9
33	-	1/9
34	-	1/9
35	-	1/9
37	-	1/9
38	-	1/9
39	-	1
40	-	1/12
41	-	1/12
42	-	1/12
43	-	1/12
44	-	1/12
45	-	1/12
46	-	1/12
47	-	1/12
48	-	1/12
50	-	1/8
51	-	1/8
52	-	1/8
53	-	1/8
54	-	1/8
55	-	1/6
56	-	1/8
57	-	1/6
58	-	1/8
60	-	1/12
61	-	1/12
62	-	1/12
63	-	1/12
64	-	1/12
65	-	1/12
67	-	1/12
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71	-	1/9
72	-	1/9
73	-	1/9
74	-	1/9
75	-	1/9
77	-	1/9
78	-	1/9
0 271 00	110	1/9
01	-	1/9
02	-	1/9
03	-	1/9
04	-	1/9
05	-	1/9
06	-	1/6
07	-	1/6
08	-	1/6
09	-	1/6
10	-	1/6
11	-	1/6
12	-	1/9
13	-	1/9
14	-	1/9
15	-	1/9
16	-	1/9
17	-	1/9
18	-	1/6
19	-	1/6
20	-	1/6
21	-	1/6
22	-	1/6
23	-	1/6
24	-	1/9
25	-	1/9
26	-	1/9
27	-	1/9
28	-	1/9
29	-	1/9
30	-	1/6
31	-	1/6
32	-	1/6
33	-	1/6
34	-	1/6
35	-	1/6
40	-	1/24

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 271 41	110	1/24
42	-	1/24
50	-	1/24
51	-	1/24
52	-	1/24
53	-	1/24
54	-	1/24
55	-	1/24
60	-	1
61	-	1/24
62	-	1
63	-	1/24
64	-	1/24
65	-	1/24
66	-	1/24
67	-	1
68	-	1
70	106	1/16
71	-	1/16
72	-	1/24
73	-	1/24
74	110	1/5
75	-	1/5
76	106	1/5
77	-	1
78	110	1/5
79	-	1
80	106	1/8
81	-	1/8
82	-	1/8
83	-	1/5
84	-	1/5
85	110	1/6
86	-	1/6
87	106	6
88	110	5
89	106	20
90	-	12
91	-	1/12
92	-	1/4
93	-	1/4
94	110	1/4
0 272 20	106	1
21	-	1
22	-	1
23	-	1
24	-	1
25	-	1
26	-	1
27	-	1
28	110	1
29	-	1
30	-	1
31	-	1
32	-	1
33	-	1
34	114	1
35	-	1
36	-	1
37	-	1
38	-	1
39	-	1
40	-	1
41	-	1
42	-	1
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1
48	-	1
49	-	1
50	-	1
51	-	1
52	106	1
53	-	1
54	-	1
0 273 22	147	1/6
0 275 34	311	1/20
35	-	1/20
0 277 10	308	1/12
11	-	1/12
12	-	1/12
13	-	1/12

Cat.Nos	Page N°	Pack
0 277 16	308	1/20
17	-	1/20
18	-	1/20
21	-	1/20
22	-	1/20
23	-	1/20
25	-	1/20
26	-	1/20
27	-	1/20
28	-	1/12
31	-	1/20
32	-	1/20
33	-	1/12
36	-	1/20
37	-	1/20
38	-	1/12
41	-	1/20
42	-	1/12
43	-	1/12
46	-	1/4
47	-	1/4
48	-	1/4
51	-	1/4
52	-	1/4
53	-	1/4
55	-	1/20
56	-	1/12
58	-	1/12
60	-	1/12
62	-	1/12
64	-	1/4
66	-	1/4
67	-	1/12
68	-	1/20
69	-	1/20
70	-	1/20
71	-	1/12
72	-	1/12
73	-	1/12
75	-	1/20
76	-	1/12
77	-	1/12
78	-	1/20
79	-	1/12
80	-	1/12
81	-	1/12
82	-	1/12
83	-	1/12
84	-	1/4
85	-	1/4
0 286 21	140	1
22	-	1
23	-	1
24	-	1
25	-	1
26	-	1
27	-	1
28	-	1
31	-	1
32	-	1
33	-	1
34	-	1
35	-	1
36	-	1
37	-	1
38	-	1
41	-	1
42	-	1
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45	-	1
46	-	1
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53	-	1
54	-	1
55	-	1
56	-	1
57	-	1
58	-	1
61	-	1
62	-	1
63	-	1
64	-	1
65	-	1

Cat.Nos	Page N°	Pack
0 286 66	140	1
67	-	1
68	-	1
71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
77	-	1
78	-	1
83	142	1
84	-	1
85	-	1
86	-	1
87	-	1
88	-	1
93	-	1
94	-	1
95	-	1
96	-	1
97	-	1
98	-	1
0 287 21	140	1
22	-	1
23	-	1
24	-	1
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26	-	1
27	-	1
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31	-	1
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71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
77	-	1
78	-	1
83	142	1
84	-	1
85	-	1
86	-	1
87	-	1
88	-	1
93	-	1
94	-	1
95	-	1
96	-	1
97	-	1
98	-	1
0 288 00	141	1
01	-	1
02	-	1

Cat.Nos	Page N°	Pack
0 288 03	141	1
04	-	1
05	-	1
06	-	1/3
10	-	1
11	-	1
12	-	1/4
13	143	1/4
14	-	1/5
15	-	1/8
16	-	1/5
20	-	1/8
21	-	1/4
23	-	1/8
24	-	1/5
25	-	1/6
26	-	1/5
28	-	1/6
29	-	1/10
30	-	1/15
31	-	1/15
32	-	1/8
33	-	1/8
34	-	1
35	-	1
36	-	1
37	-	1
38	-	1/5
40	-	1
41	-	1/5
42	-	1/5
43	-	1/5
44	-	1/5
45	-	1/5
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51	-	1/5
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56	-	1/5
57	-	1/5
58	-	1/5
59	-	1/5
62	-	1/5
63	-	1/5
64	144	1
65	-	1
66	-	1
79	143	1
82	144	1/2
83	-	1/2
84	-	1/2
85	-	1/2
86	-	1
87	-	1
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89	-	1
90	-	1
91	-	1
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93	-	1
94	-	1
95	-	1
96	-	1/2
97	-	1/2
0 289 02	143	1
03	-	1
04	-	1
05	-	1
09	-	1
10	-	1
11	-	1
12	-	1
13	-	1
14	-	1
15	-	1
16	-	1
20	144	1
21	-	1
22	-	1
23	-	1
24	-	1
25	-	1
50	141	1
51	-	1
52	-	1

Cat.Nos	Page N°	Pack
0289 53	141	1
60	-	1
61	-	1
62	-	1
63	-	1
70	142	1
71	-	1
77	-	1
78	-	1

0 300 00

Cat.Nos	Page N°	Pack
0 300 07	732	120
08	-	120
11	771	10/50
12	-	10/100
14	732	80
15	-	80
18	771	5/50
19	-	10/150
27	733	48
33	734	20
92	771	54
93	-	36
98	738	132
99	-	90
0 301 14	734	32
0 302 08	733	10/100
09	734	10/100
16	735	10/50
18	734	10/100
21	732	10/100
23	-	10/100
24	-	10/200
26	735	10/50
51	732	10/100
53	-	10/100
54	-	10/200
81	733	10/100
83	-	10/50
90	734	10/200
91	-	10/100
92	-	10/100
93	-	10/50
0 303 00	734	10/100
01	-	10/100
02	-	10/50
03	-	10/50
16	735	10/100
26	-	10/50
36	-	10
0 304 18	735	10/50
0 306 54	735	10/40
67	-	135
98	-	1/5
0 307 00	769	1
03	768	1
07	-	1
08	-	1
09	-	1
27	-	1
28	-	1
29	769	1
42	-	1
78	-	1/10
79	-	1/10
80	-	1/10
94	-	1
95	-	1
96	-	1
97	-	1
98	-	1
99	-	1
0 308 04	733	60
81	757	100/1000
97	735	200/4000
98	-	100/5000
99	-	100/1000

Cat.Nos	Page N°	Pack
0 309 49	735	12
0 310 65	769	1/10
66	-	1/10
67	-	1/10
69	743	5/25
0 312 02	732	20/1000
03	-	20/400
07	730	10/500
10	558	20/200
11	733	10/200
0 313 01	437	250
50	760	10
51	-	5
52	-	5
80	568	100/600
81	-	100/600
82	-	50/300
83	-	200/1200
0 314 04	732	10/50
08	733	10/50
14	732	5/25
18	733	5/25
56	-	10/50
66	-	5/25
0 315 24	569	2000/8000
25	-	1000/5000
26	-	1000/5000
27	-	1000/5000
28	-	1000/5000
29	-	100/5000
30	-	100/2500
31	-	100/2000
32	-	100/2000
33	-	80/1600
34	-	60/1200
35	-	40/800
36	-	20/400
54	-	2000/8000
55	-	1000/5000
56	-	1000/5000
57	-	1000/5000
58	-	1000/5000
59	-	100/5000
77	-	1000/5000
78	-	100/2500
79	-	100/2000
81	-	30/600
0 316 11	735	10/40
13	-	5/25
14	-	5/20
21	-	10
22	-	10
40	732	10/100
41	-	10/100
45	734	10/100
47	733	10/100
48	734	10/100
94	735	5/25
95	-	5
96	-	5
0 317 01	732	10/50
02	-	10/50
03	-	5/25
04	733	10/50
05	-	5/25
06	-	5/25
07	-	10/50
08	-	5/25
09	-	5/25
48	772	5
49	-	5
0 318 00	272	100/**8000**
01	-	100/**4000**
02	-	100/**4000**
03	-	100/**4000**
04	-	100/**4000**
05	-	100/**4000**
06	-	100/**3000**
07	-	100/**4000**
08	-	100/**3000**

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 318 09	272	100/**2500**
10	-	100/1200
11	-	100/**1000**
12	-	100/500
13	-	100/5000
14	-	100/**1500**
15	-	100/1000
16	-	100/1000
17	-	100/500
18	-	500
20	-	100/**8000**
21	-	100/**4000**
22	-	100/**4000**
23	-	100/**4000**
24	-	100/**4000**
25	-	100/**4000**
26	-	100/**3000**
27	-	100/**4000**
28	-	100/**3000**
29	-	100/**2500**
30	-	100/**1200**
31	-	100/**1000**
32	-	100/500
33	-	100/5000
34	-	100/**1500**
35	-	100/1000
36	-	100/1000
37	-	100/500
38	-	500
0 319 00	568	100/**1000**
02	-	100/1000
03	-	100/1000
04	-	100/1000
06	-	100/1000
10	570	100/**1000**
13	-	100/**1000**
16	-	100/**1000**
19	-	100/**1000**
20	-	100/**500**
21	-	100
22	-	100/1000
25	-	100/**1000**
28	-	100/1000
29	-	100/2000
30	-	100/2000
32	-	100/2000
50	-	100/3000
55	-	100/**1000**
57	-	100/3000
58	-	100/1000
96	-	1/10
0 320 12	272	1000/10000
13	-	1000/10000
14	-	1000/6000
15	-	1000/4000
18	-	1000/4000
19	-	100/**2000**
20	-	100/**2000**
22	-	1000/4000
23	-	100/**2000**
24	-	100/**2000**
25	-	100/1000
26	-	100/1000
27	-	100/**500**
28	-	50/**500**
29	-	100/**2000**
30	-	1000/**10000**
31	-	1000/**10000**
32	-	1000/**6000**
37	-	1000/**4000**
38	-	1000/**4000**
39	-	100/**2000**
40	-	100/**2000**
42	-	1000/**4000**
43	-	100/**2000**
44	-	100/**2000**
45	-	100/**1000**
46	-	100/**1000**
47	-	100/**1000**
48	-	100/**500**
49	-	100/2000
50	-	100
51	-	50/**500**
61	-	100/**3000**
63	-	100/**2500**
65	273	100/**2000**

Cat.Nos	Page N°	Pack
0 320 67	273	100/**2000**
68	-	50/500
70	-	1000/10000
72	-	100/2000
76	-	1000/10000
85	-	100/5000
88	-	1/10
0 325 04	684	2000
05	-	2000
06	-	2000
07	-	2000
08	-	2000
09	-	2000
10	-	2000
11	-	2000
12	-	2000
13	-	2000
14	-	2000
15	-	2000
20	685	1/5
22	-	1/5
50	684	2000
51	-	2000
52	-	2000
53	-	2000
55	-	2000
69	686	1
70	-	3/30
71	-	3/30
72	-	3/30
73	-	3/30
74	-	3/30
75	-	3/30
76	-	3/30
77	-	3/30
78	-	3/30
79	-	3/30
0 326 00	691	3/30
01	-	3/30
02	-	3/30
03	-	3/30
04	-	3/30
05	-	3/30
06	-	3/30
07	-	3/30
08	-	3/30
09	-	3/30
10	-	3/30
11	-	3/30
12	-	3/30
13	-	3/30
14	-	3/30
15	-	3/30
16	-	3/30
17	-	3/30
18	433	3/30
19	-	4/40
20	688	6/60
21	-	6/60
22	-	6/60
23	-	6/60
24	-	1/5
25	-	1/5
26	-	1/5
27	-	1/5
28	691	3/90
29	-	3/90
30	-	3/90
31	-	3/90
32	-	3/90
33	-	3/90
34	-	3/90
35	-	3/90
36	-	3/90
37	-	3/90
52	688	10/100
53	-	10/100
54	-	10/100
56	-	10/100
57	-	10/100
58	-	10/100
61	-	10/100
62	-	10/100
65	684	500
66	-	1000
67	-	1000

Cat.Nos	Page N°	Pack
0 326 68	684	1000
70	688	10/300
71	-	1/30
72	685	1/50
80	687	1/**5**
81	-	1
82	-	1
83	-	1/12
84	-	1/12
90	688	1
91	-	1
0 327 37	682	1/20
44	688	1/10
45	682	10/100
46	-	10/100
47	-	10/100
48	-	10/100
50	679	305
51	-	305
52	-	305
53	-	305
54	673	305
55	-	305
56	-	500
57	-	500
58	-	500
59	-	500
60	683	1/50
73	679	500
74	-	500
76	673	500
77	669	500
78	-	500
80	457	1/3
81	-	1/3
83	682	10/100
86	685	1/10
87	669	500
89	429	100
0 328 00	771	20
02	-	5/50
03	-	10/50
05	734	1/10
07	771	10/50
50	679	500
53	-	500
55	-	500
56	673	305
57	-	305
59	-	500
61	-	500
63	-	500
78	669	500
88	683	500
91	-	500
0 329 07	685	1/10
46	245	1/5
47	-	1/2
0 330 44	183	1
48	688	1/10
49	-	1/10
54	183	1
61	691	3/30
63	-	3/30
65	-	3/30
69	-	3/30
70	-	3/30
71	-	3/30
72	-	3/30
73	-	3/30
74	183	1
75	691	3/30
76	-	3/30
80	-	3/30
81	-	3/30
82	-	3/30
84	183	1
0 331 00	688	10/200
27	-	10/200
35	666	1
47	688	10/200
54	670	10/100
55	-	10/100

Cat.Nos	Page N°	Pack
0 331 80	670	10/240
81	675	10/240
84	713	10/200
85	-	10/200
86	-	10/200
87	-	10/200
88	-	10/200
89	-	10/200
94	-	50/500
95	-	50/500
96	-	50/500
0 332 37	706	1/4
38	-	1/4
60	683	1/77
61	-	5/330
62	-	1/20
78	706	1/8
79	-	1/8
80	693	1/5
87	706	1/8
88	-	1/8
0 333 17	735	10/50
25	733	10/100
27	-	10/100
29	735	10/50
30	733	10/200
0 334 70	681	5
71	-	2
72	-	2
73	-	2
74	-	2
75	-	2
0 335 01	682	1/10
02	-	1/8
05	-	1/8
06	-	1/5
07	-	1/5
09	685	1
10	-	1
11	-	1/5
12	681	1/10
13	-	1/10
16	-	1/10
17	-	1/10
18	-	1/10
19	-	1/10
20	690	1/10
21	692	1/10
22	-	1/10
24	-	1/10
30	683	1/3
31	-	1/3
32	-	2/40
33	-	2/40
34	660	1/10
35	681	1/10
36	-	1/10
37	-	1/10
38	-	1/10
39	-	1/10
40	676	1/10
43	687	1/10
44	676	1/10
45	-	1/10
46	-	1/10
49	-	1/10
51	679	1/3
52	-	1/3
54	-	2/24
55	-	2/24
61	672	1/3
62	-	1/3
63	-	1/3
64	-	2/24
65	-	2/24
66	-	2/24
67	-	1/10
68	-	1/10
73	668	1/3
76	-	2/24
77	-	2/24
79	683	1/9
82	679	1/10
83	-	1/10

Cat.Nos	Page N°	Pack
0 335 84	668	1/3
85	-	1/6
86	-	1/6
88	679	1/10
89	672	1/10
90	668	1/3
91	-	10/100
92	705	1/10
93	686	1/**10**
94	-	10
96	696	1/3
97	-	1/3
98	-	1/3
99	-	1/3
0 336 02	732	20/200
03	-	20/200
04	733	20/200
06	-	20/400
08	730	20/200
09	-	20/200
0 340 00	573	10/100
01	-	10/60
02	-	10/60
03	-	10/40
04	-	10/40
33	-	20/200
34	-	10/100
42	-	20/400
43	-	20/200
44	-	10/100
45	-	10/60
0 342 11	572	10/500
13	-	10/250
15	-	10/**200**
17	-	10/100
19	-	10/50
21	-	10/500
23	-	10/250
25	-	10/200
27	-	10/100
0 343 22	572	100/1000
23	-	100/1000
25	-	100/1000
28	-	50/500
38	-	1000/10000
44	-	100/1000
51	-	100/2000
57	-	100/2000
85	573	20/240
86	-	10/120
87	-	10/120
98	572	10/500
99	-	5/50
0 344 18	252	1
0 346 08	252	1
09	-	1
0 347 45	253	100/2500
46	261	100/2400
47	-	100/2400
50	253	200/2000
95	245	20/440
96	-	20/200
97	-	10/100
0 348 04	263	1/20
05	-	1/7
06	264	1/6
07	263	1
08	-	1
16	-	1/7
17	262	1/10
34	263	1/30
35	-	1/18
36	-	1/10
47	264	1/25
48	701	1/25
50	262	1/10
51	-	1/4
52	-	1/4
53	-	1/2
54	-	1/2

Cat.Nos	Page N°	Pack
0 349 50	252	1
59	-	1

0 350 00

Cat.Nos	Page N°	Pack
0 350 58	562	1
0 353 06	254	1/10
07	-	1/10
08	-	1/10
09	-	1/10
10	-	1/12
11	-	1/25
12	-	1/24
0 355 00	244	1
01	-	1
02	-	1
03	-	1
04	-	1
05	-	1
06	-	1
07	-	1
08	-	1
09	-	1
10	-	1
12	-	1
14	-	1
15	-	1
17	-	1
18	-	1
20	-	1
21	-	1
22	-	1
23	-	1
24	-	1
26	-	1
27	-	1
28	-	1
29	-	1
30	-	1
31	-	1
32	-	1
33	-	1
34	-	1
36	-	1
37	-	1
90	-	1
91	-	1
92	-	1
93	-	1
94	-	1
95	-	1
96	-	1
97	-	1
98	-	1
0 358 00	559	1/20
01	-	1/20
02	-	1/10
10	562	5/60
11	-	5/50
12	-	5/40
13	-	5/30
14	-	5/20
15	-	5/**10**
0 359 00	562	1/10
30	-	1/10
40	-	1/10
50	-	1/5
60	-	1/5
61	-	1/5
70	-	1/2
71	-	1/2
80	-	1/2
0 360 00	256	1/10
01	-	1/10
02	-	1/10
04	-	1
05	-	1
06	-	1
07	-	1/10
08	-	1
09	-	1
10	-	1

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 360 11	256	1/10
12	-	1/10
13	-	1
14	-	1
15	-	1/10
16	-	1
17	-	1
18	-	1
19	-	1
20	-	1
21	-	1
22	-	1/5
23	-	1
24	-	1
25	-	1
31	-	1
33	-	1
34	-	1
40	-	1
42	-	1
43	-	1
44	259	1
45	-	1
46	256	1
47	-	1
48	-	1
49	-	1/10
52	-	1
54	-	1
55	-	1
56	-	1
57	-	1
58	-	1
59	-	1
60	-	1
61	-	1
63	-	1
64	-	1
65	-	1
66	-	1
67	-	1
68	-	1
69	-	1
70	-	1
71	-	1
75	-	1
79	-	1
87	-	1
88	-	1
89	-	1
90	-	1
91	-	1
92	-	1
93	-	1
94	-	1
98	-	1
99	-	1/10
0 361 00	259	10
01	-	1
02	-	1
03	-	1
05	-	1
06	-	1
09	-	1
10	-	1
50	258	5
51	-	5
52	-	5
53	-	5
54	-	5
55	-	5
56	-	5
58	-	1
59	-	1
92	-	10
94	261	10
0 362 00	300	60
01	-	56
02	-	56
03	-	40
05	-	56
06	-	48
07	-	48
08	-	40
11	-	32
12	-	32

Cat.Nos	Page N°	Pack
0 362 13	300	32
16	-	24
17	-	24
25	-	16
40	251	10/1000
42	-	1/30
44	-	1/10
46	253	1
48	-	1
50	250	1
51	-	1
52	-	1
55	-	1
56	-	1
61	-	1
63	-	1
64	-	1
71	-	1
72	-	1
75	-	1
76	-	1
81	-	1
83	-	1
84	-	1
85	252	1
86	-	1
87	-	1/10
91	251	1
92	-	1
93	-	1
94	-	1
95	-	1
96	252	1
97	-	1
0 363 00	248	1
01	-	1
12	244	1/10
13	258	1/10
59	259	1
60	-	1
61	-	1
62	-	1
63	-	1
64	-	1
65	-	1
66	252	1
67	-	1
68	-	1
69	259	1/30
90	253	1
91	-	1
92	-	1
95	245	20/440
0 364 01	245	1/10
04	-	1/10
08	251	1/50
09	-	1/10
36	-	1
37	-	1
39	-	1
40	208	100/3000
41	-	100/3000
42	256	100/3000
50	261	20/400
51	-	20/400
52	-	20/400
53	702	1/10
54	-	1/20
61	261	100/1000
62	-	100/1000
63	-	100/1000
66	-	20/500
69	-	40/2000
78	-	100/1000
79	-	100/1000
82	-	100/1000
94	245	1/10
95	-	1/10
96	-	1/8
97	-	1/8
98	-	1/5
0 365 11	260	1/10
13	251	1/20
30	260	10/100
35	248	10/200

Cat.Nos	Page N°	Pack
0 365 39	260	10/200
40	248	10/200
41	260	10/200
42	-	10/200
45	-	10/200
51	244	1
52	-	1
53	-	1
54	-	1
56	-	1
57	-	1
64	-	1
70	263	1/20
71	262	1/10
74	263	1/10
77	-	2/48
78	-	2/40
79	-	2/40
80	200	20
81	-	20
82	-	1/10
91	245	10/100
97	-	1/12
0 366 38	300	1
39	-	1
40	-	100/1000
41	-	20/200
42	-	20/200
43	-	10/100
44	-	500/5000
46	-	100/2000
0 367 00	300	20/200
01	-	50/1600
10	-	1/24
35	245	5/50
36	258	5/50
45	245	1/10
74	185	50/500
75	-	50/500
80	258	10
81	-	10
82	-	10
83	-	10
84	-	10
85	-	10
86	-	10
0 368 04	260	10/100
05	-	10/50
06	-	10/100
17	-	10/200
18	-	10/200
19	-	10/200
20	-	10/200
22	-	10/200
23	-	10/200
24	-	10/200
25	-	10/200
26	-	10/200
27	-	10/200
42	-	1/27
43	-	10/100
0 371 00	280	60/1200
01	-	50/1000
02	-	40/800
03	-	30/600
04	-	20/180
05	-	20/180
07	-	60/660
08	-	60/600
09	-	25/500
20	-	60/1200
21	-	50/1000
30	-	60/1200
31	-	50/1000
51	-	50/500
52	-	50/500
53	281	20/640
54	-	20/640
55	-	60/600
56	-	60/600
60	280	60/1200
61	-	50/1000
62	-	40/800
63	-	30/600

Cat.Nos	Page N°	Pack
0 371 64	280	20/180
65	-	20/180
66	-	10/60
67	-	60/660
68	-	60/600
69	-	25/500
70	-	60/1200
71	-	50/1000
72	-	40/400
73	-	30/300
74	-	10/100
75	-	10/100
76	-	10/180
77	-	50/1000
78	-	40/800
79	-	50/500
80	281	20/640
81	-	20/640
82	-	20/640
83	-	20/640
84	-	20/640
85	-	20/640
86	-	20/640
87	-	20/200
92	-	25/250
98	280	20/180
99	-	20/180
0 372 00	282	60/1500
01	-	50/1250
02	-	50/550
03	-	40/440
04	-	10/260
07	-	60/720
08	-	50/600
09	-	50/800
10	-	40/1200
11	-	30/900
12	-	40/800
20	-	60/1500
21	-	50/1250
40	-	60/1200
41	-	60/1200
42	-	60/1200
43	-	50/1000
44	-	50/1000
46	-	60/960
47	-	60/960
54	283	60/960
55	-	60/720
56	-	60/720
60	282	60/1500
61	-	50/1250
62	-	50/550
63	-	40/440
64	-	10/260
67	-	60/720
68	-	50/600
69	-	50/800
70	-	60/1200
71	-	50/1000
72	-	25/250
73	-	20/200
74	-	15/150
79	-	30/600
80	283	20/520
81	-	20/520
82	-	20/520
83	-	20/520
84	-	20/520
85	-	20/520
86	-	20/520
0 373 00	200	1/5
01	209	1/5
02	-	1/5
08	182	1
10	187	1/12
11	185	1/**10**
12	187	1
13	-	1
14	-	1/20
15	-	1/10
20	-	1/10
21	-	1
22	-	1
23	-	1
24	-	1

Cat.Nos	Page N°	Pack
0 373 25	187	1
49	209	10
60	-	100/1500
61	-	10/500
62	-	10/500
65	-	100/2000
85	200	1/20
88	185	10
89	-	10
95	182	1/10
96	187	5/60
98	-	10/500
99	183	4/40
0 374 00	182	1/5
02	253	10
03	183	10/250
04	258	10
05	183	5/125
07	258	10
10	185	1
11	-	1
12	-	1
18	-	4
19	-	4
30	182	1
31	-	1
32	187	1/8
33	185	10
34	-	10
35	182	1/5
36	187	1/10
37	-	10/100
38	185	10
39	261	100/1000
40	185	1
41	-	1
42	182	1
43	185	1
46	-	1
47	182	1/5
57	185	1
58	-	1
59	-	1
67	-	1
80	183	5
81	-	4
0 375 00	285	20/880
01	-	20/880
02	-	50/2200
03	-	20/880
04	-	20/880
05	-	50/2200
07	-	20/880
08	-	20/880
10	284	50/1000
11	-	20/500
12	-	10/250
13	-	20/500
15	285	50/2000
16	-	50/2000
17	-	50/2000
18	-	50/2000
21	-	20/720
22	-	20/720
24	-	50/500
25	-	50/500
27	286	10/500
30	-	10/440
31	-	10/440
32	-	4/176
34	-	10
35	-	50/1000
40	285	10/100
42	-	10/100
44	-	10/100
46	-	10/1000
47	-	10/1000
50	284	100/2000
51	-	20/800
52	-	20/800
53	-	20/1000
54	-	20/200
55	-	20/800
56	-	20/600
57	-	10/500
60	285	20/800

Cat.Nos	Page N°	Pack
0 375 61	285	10/400
62	-	10/400
63	-	10/500
65	286	10/1000
66	-	10/500
67	-	10/500
68	-	10
69	-	10
75	-	50/1000
76	-	20/400
77	-	10/360
82	285	20/880
85	-	20/880
86	284	50/2000
87	-	50/2000
88	-	20/800
89	-	20/800
90	-	20/800
95	285	10/400
96	-	10/400
0 376 06	292	1/20
08	-	1/15
09	-	1/15
10	-	1/15
39	-	1
41	-	3000
42	-	3000
43	-	3000
44	-	3000
45	-	2500
46	293	10/200
47	-	10/200
48	-	10/200
50	292	500/20000
60	-	500/20000
61	-	480/19200
62	-	480/19200
63	-	1000/40000
64	-	1000/40000
66	-	1000/40000
67	-	250/10000
68	-	250/10000
69	-	100/4000
70	-	100/4000
71	-	50/2000
72	-	100/4000
77	-	50/2000
78	-	30/1200
87	-	500/12500
88	-	500/12500
89	-	500/12500
90	-	500/10000
92	-	1
97	-	1/4
0 377 10	297	100/10000
12	-	100/5000
50	292	500/15000
60	-	500/15000
61	-	1000/30000
62	-	1000/30000
63	-	1000/30000
64	-	1000/30000
66	-	1000/30000
67	-	250/7500
68	-	250/7500
80	298	600/30000
81	-	600/30000
82	-	600/30000
83	-	600/30000
84	-	600/30000
85	-	600/30000
86	-	600/30000
87	-	600/30000
88	-	600/30000
89	-	600/30000
0 378 01	298	600/30000
02	-	600/30000
03	-	600/30000
04	-	600/30000
05	-	600/30000
06	-	600/30000
07	-	600/30000
08	-	600/30000
09	-	600/30000
10	-	600/30000

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 378 26	298	240/24000
27	-	240/24000
28	-	240/24000
29	-	240/24000
30	-	240/24000
31	-	240/24000
32	-	240/24000
33	-	240/24000
34	-	240/24000
35	-	240/24000
36	-	240/24000
37	-	240/24000
38	-	240/24000
39	-	240/24000
40	-	240/24000
41	-	240/24000
42	-	240/24000
43	-	240/24000
44	-	240/24000
45	-	240/24000
46	-	240/24000
47	-	240/24000
48	-	240/24000
49	-	240/24000
50	-	240/24000
51	-	240/24000
0 379 10	297	500/5500
11	-	500/5500
20	-	1000/11000
21	-	1000/11000
22	-	500/5500
27	-	1000/10000
28	-	1000/10000
30	-	1000/10000
31	-	1000/10000
32	-	500/5000
33	-	500/5000
34	-	200/2000
35	-	100/1000
36	-	1000/10000
37	-	1000/10000
38	-	500/5000
40	-	500/5000
41	-	500/5000
42	-	200/2000
43	-	200/2000
44	-	10/200
54	298	240/24000
55	-	240/24000
56	-	240/24000
57	-	240/24000
58	-	240/24000
59	-	240/24000
60	-	240/24000
89	297	10/500
90	-	10/500
91	-	1/10
92	-	10/500
93	-	10/500
0 380 00	651	1/10
01	-	1/10
02	-	1/10
03	-	1/10
06	649	1/20
09	651	1/10
11	-	1/10
23	649	1/20
24	651	1/10
25	649	1/20
38	-	1/50
48	-	1/20
54	651	1/10
60	-	1/10
69	649	1/20
71	-	1/20
91	651	10/100
97	649	1/20
0 381 00	295	1000/50000
01	-	1000/50000
02	-	1000/50000
03	-	1000/50000
04	-	1000/50000
05	-	1000/50000
06	-	1000/50000
07	-	1000/50000

Cat.Nos	Page N°	Pack
0 381 08	295	1000/50000
09	-	1000/50000
10	-	300/30000
11	-	300/30000
12	-	300/30000
13	-	300/30000
14	-	300/30000
15	-	300/30000
16	-	300/30000
17	-	300/30000
18	-	300/30000
19	-	300/30000
20	-	300/30000
21	-	300/30000
22	-	300/30000
23	-	300/30000
24	-	300/30000
25	-	300/30000
26	-	300/30000
27	-	300/30000
28	-	300/30000
29	-	300/30000
30	-	300/30000
31	-	300/30000
32	-	300/30000
33	-	300/30000
34	-	300/30000
35	-	300/30000
40	-	300/30000
41	-	300/30000
42	-	300/30000
44	-	300/30000
45	-	300/30000
46	-	300/30000
51	-	240/24000
52	-	240/24000
53	-	240/24000
54	-	240/24000
55	-	240/24000
60	-	240/24000
61	-	240/24000
62	-	240/24000
63	-	240/24000
64	-	240/24000
65	-	240/24000
0 382 00	296	1
01	-	1/8
02	-	1/8
03	-	1/8
04	-	1/8
10	295	1200/60000
11	-	1200/60000
12	-	1200/60000
13	-	1200/60000
14	-	1200/60000
15	-	1200/60000
16	-	1200/60000
17	-	1200/60000
18	-	1200/60000
19	-	1200/60000
20	-	1200/60000
21	-	1200/60000
22	-	1200/60000
23	-	1200/60000
24	-	1200/60000
25	-	1200/60000
26	-	1200/60000
27	-	1200/60000
28	-	1200/60000
29	-	1200/60000
30	-	800/40000
31	-	800/40000
32	-	800/40000
33	-	800/40000
34	-	800/40000
35	-	800/40000
36	-	800/40000
37	-	800/40000
38	-	800/40000
39	-	800/40000
70	-	300/30000
71	-	300/30000
72	-	300/30000
73	-	300/30000
74	-	300/30000

Cat.Nos	Page N°	Pack
0 382 75	295	300/30000
76	-	300/30000
80	-	300/30000
81	-	300/30000
82	-	300/30000
83	-	300/30000
84	-	300/30000
85	-	300/30000
86	-	300/30000
90	-	300/30000
91	-	300/30000
92	-	300/30000
93	-	300/30000
94	-	300/30000
95	-	300/30000
96	-	300/30000
0 383 00	295	300/30000
01	-	300/30000
02	-	300/30000
03	-	300/30000
04	-	300/30000
05	-	300/30000
06	-	300/30000
07	-	300/30000
08	-	300/30000
09	-	300/30000
10	-	300/30000
11	-	300/30000
12	-	300/30000
13	-	300/30000
14	-	300/30000
15	-	300/30000
16	-	300/30000
17	-	300/30000
18	-	300/30000
19	-	300/30000
20	-	300/30000
21	-	300/30000
22	-	300/30000
23	-	300/30000
24	-	300/30000
25	-	300/30000
26	-	300/30000
27	-	300/30000
28	-	300/30000
29	-	300/30000
30	-	300/30000
31	-	300/30000
32	-	300/30000
33	-	300/30000
34	-	300/30000
35	-	300/30000
36	-	300/30000
37	-	300/30000
38	-	300/30000
39	-	300/30000
40	-	300/30000
41	-	300/30000
42	-	300/30000
43	-	300/30000
44	-	300/30000
45	-	300/30000
46	-	300/30000
50	-	100/3200
52	-	100/3200
54	-	100/3200
55	-	100/3200
56	-	100/3200
60	-	100/3200
62	-	100/3200
64	-	100/3200
65	-	100/3200
66	-	100/3200
90	296	100/2400
91	-	50/1200
92	-	50/500
96	571	1/50
97	-	100/3000
98	-	100/5000
99	-	600/30000
0 387 42	297	200/4000
0 389 71	261	10
0 390 10	290	5
11	-	5
13	-	5
14	-	5
15	-	5
17	-	5
18	-	5
20	-	5
21	-	5
31	-	5/100

Cat.Nos	Page N°	Pack
0 383 79	295	300/30000
80	-	300/30000
81	-	300/30000
82	-	300/30000
83	-	300/30000
84	-	300/30000
85	-	300/30000
92	296	100/1000
94	-	10/500
95	-	10/500
96	-	10/500
97	-	10/500
0 384 00	571	800/40000
01	-	800/40000
02	-	800/40000
03	-	800/40000
04	-	800/40000
05	-	800/40000
06	-	800/40000
07	-	800/40000
08	-	800/40000
09	-	800/40000
10	-	600/30000
11	-	600/30000
12	-	600/30000
13	-	600/30000
14	-	600/30000
15	-	600/30000
16	-	600/30000
17	-	600/30000
18	-	600/30000
19	-	600/30000
20	-	600/30000
21	-	600/30000
22	-	600/30000
23	-	600/30000
24	-	600/30000
25	-	600/30000
26	-	600/30000
27	-	600/30000
28	-	600/30000
29	-	600/30000
30	-	600/30000
31	-	600/30000
32	-	600/30000
33	-	600/30000
34	-	600/30000
35	-	600/30000
40	-	600/30000
41	-	600/30000
42	-	600/30000
43	-	600/30000
44	-	600/30000
45	-	600/30000
46	-	600/30000
50	-	100/3200
52	-	100/3200
54	-	100/3200
55	-	100/3200
56	-	100/3200
60	-	100/3200
62	-	100/3200
64	-	100/3200
65	-	100/3200
66	-	100/3200
90	296	100/2400
91	-	50/1200
92	-	50/500
96	571	1/50
97	-	100/3000
98	-	100/5000
99	-	600/30000
0 387 42	297	200/4000
0 389 71	261	10
0 390 10	290	5
11	-	5
13	-	5
14	-	5
15	-	5
17	-	5
18	-	5
20	-	5
21	-	5
31	-	5/100

Cat.Nos	Page N°	Pack
0 390 32	290	5/50
33	-	5/50
34	-	5/30
71	-	5/100
72	-	5/50
73	-	5/50
74	-	5/30
0 394 45	286	10/320
46	290	5/100
47	-	5/100
49	251	10/100
77	290	10/120
78	-	10/100
86	-	5/40
88	-	5/50
89	-	5/25
0 395 00	294	1000/25000
01	-	1000/25000
02	-	1000/25000
05	-	1000/25000
06	-	1000/25000
07	-	1000/25000
08	-	1000/25000
09	-	1000/25000
10	-	1000/25000
11	-	1000/25000
15	-	1000/25000
16	-	1000/25000
17	-	1000/25000
18	-	1000/25000
19	-	1000/25000
20	-	1000/25000
21	-	1000/25000
96	284	20/600
97	-	20/2000
98	273	10/500
99	245	10/200
0 399 30	248	1
31	-	1
32	-	1
33	-	1
34	-	1
35	-	1
36	-	1
37	-	1
38	-	1
39	-	1
40	-	1
41	-	1
42	-	1
43	-	1
44	-	1
45	-	1
46	-	1
51	-	1
52	-	1
54	-	1
55	-	1
56	-	1
59	-	1
63	-	1
64	-	1
65	-	1
69	-	1
80	-	10/150
81	-	10/150
86	-	10/150
87	-	10/150
88	-	10/150

0 400 00

Cat.Nos	Page N°	Pack
0 401 75	580	10/100
87	-	20/200
92	-	20/200
93	-	20/200
94	-	20/200
0 405 09	650	1
10	587	1/10
14	-	1/10
27	-	1/10
28	-	1/10
29	-	1

Cat.Nos	Page N°	Pack
0 405 80	650	1/10
86	-	1
87	-	1
90	-	1/10
91	-	1/10
94	-	1/10
96	649	1/20
98	-	1/10
0 406 87	650	1/16
0 407 47	632	1/10
49	417	1/4
53	632	1
0 408 95	623	1/20
96	627	1/20
98	623	1/20
0 412 21	581	10/50
43	-	1/20
0 413 08	349	1/6
09	-	1/21
10	-	1/21
13	-	1/21
14	-	1/21
49	348	1/12
57	349	1/6
62	-	10/200
0 414 16	348	1/5
18	-	1/5
19	-	1/5
39	-	1/4
62	-	1/5
0 415 07	650	1/20
20	348	1/10
23	-	1/10
32	-	1/12
33	-	1/12
36	-	1/12
38	-	1/12
39	-	1/12
45	-	1/10
0 416 10	581	1/27
11	-	1/27
13	-	1/27
17	-	1/189
45	-	10/200
46	-	5/100
47	-	10/100
50	-	1/10
51	-	1/10
52	-	1/10
0 419 00	586	10/250
11	-	1/20
12	-	1/20
0 422 82	314	1
84	-	1
85	-	1
86	-	1
87	-	1
88	-	1
0 425 10	314	1
11	-	1
12	-	1
13	-	1
14	-	1
15	-	1
16	-	1
71	823	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
81	-	1
83	-	1
84	-	1
85	-	1

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 427 20	314	1
21	-	1
22	-	1
23	-	1
24	-	1
25	-	1
26	-	1
60	-	1
61	-	1
62	-	1
63	-	1
64	-	1
65	-	1
85	313	1
86	-	1
87	-	1
88	-	1
89	-	1
90	-	1
91	-	1
92	-	1
0 428 40	313	1
41	-	1
42	-	1
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1
49	-	1
55	-	1
56	-	1
57	-	1
58	-	1
59	-	1
60	-	1
61	-	1
62	-	1
70	-	1
71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
77	-	1
99	-	5/120
0 431 00	631	10/100
01	-	10/100
08	-	1/10
10	-	1/25
12	-	1/4
17	-	1/20
18	-	1/20
19	-	1/20
42	-	1/20
43	-	1/20
45	-	1/10
0 432 60	631	1/4
61	-	1/10
63	-	1/4
0 433 01	628	1
02	-	1
11	630	1
13	-	1
14	-	1
15	-	1
16	-	1
17	-	1
18	-	1
30	632	1
92	631	1/20
95	632	1/6
0 442 01	312	1
02	-	1
03	-	1
04	-	1
05	-	1
06	-	1
11	-	1
12	-	1
13	-	1
14	-	1

Cat.Nos	Page N°	Pack
0 442 15	312	1
16	-	1
17	-	1
18	-	1
31	-	1
32	-	1
33	-	1
34	-	1
35	-	1
36	-	1
37	-	1
38	-	1
39	-	1
40	-	1
41	-	1
42	-	1
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1
48	-	1
49	-	1
50	-	1
51	-	1
52	-	1
53	-	1
54	-	1
55	-	1
56	-	1
61	-	1
62	-	1
63	-	1
64	-	1
65	-	1
66	-	1
67	-	1
68	-	1
69	-	1
70	-	1
71	-	1
72	-	1
73	-	1
74	-	1
81	-	1
82	-	1
83	-	1
84	-	1
85	-	1
86	-	1
87	-	1
88	-	1
89	-	1
90	-	1
91	-	1

0 450 00

Cat.Nos	Page N°	Pack
0 462 00	704	1
01	-	1
02	-	1
03	-	1
06	-	1
07	-	1
08	-	1
09	-	1
11	-	1
12	-	1
13	-	1
14	-	1
20	705	1
23	-	1/12
24	-	1/10
25	-	1/10
26	-	1/10
27	258	1
28	-	1
29	-	1
35	710	1
36	-	1
47	-	1
48	-	1
55	704	1
60	-	1/10
64	-	1
70	710	1

Cat.Nos	Page N°	Pack
0 482 90	686	1
91	-	1
0 463 00	698	1
06	-	1
12	-	1
18	-	1
19	-	1
21	-	1
22	-	1
23	-	1
28	-	1
29	-	1
30	-	1
33	-	1
34	-	1
35	-	1
37	-	1
38	-	1
39	-	1
41	-	1
42	-	1
43	-	1
85	-	1
86	-	1
95	711	1
96	-	1
97	-	1
0 464 06	703	1
07	-	1
15	-	1
16	-	1
18	-	1
19	-	1
23	-	1/20
25	-	1
26	-	1
27	-	1
30	700	1
31	-	1
32	-	1
34	-	1
35	-	1
36	-	1
38	-	1
39	-	1
40	-	1
50	-	1
51	-	1
52	-	1
53	-	1
54	-	1
56	-	1
58	-	1
60	-	1
61	-	1
62	-	1
63	-	1
64	-	1/4
66	-	1
69	701	1
70	-	1
72	-	1
73	-	1
74	-	1
76	-	1
77	-	1
78	698	1
79	-	1
80	701	1
81	-	1
82	698	1
83	701	1
84	-	1
85	702	1
86	701	1/10
87	-	1
88	-	1
89	-	1
90	-	1
98	711	1
99	-	1
0 465 00	702	1
01	-	1
02	-	1
05	-	1

Cat.Nos	Page N°	Pack
0 465 06	702	1
07	-	1
08	-	1
09	-	1
10	-	1
11	-	1
12	-	1
13	-	1
17	-	1
18	-	1
19	-	1
22	-	1/10
23	-	1/8
28	-	1/80
29	-	1/40
30	-	1/8
31	-	1/4
32	-	1/80
33	-	1/40
38	-	1/8
39	-	1/4
40	-	1/4
41	704	4/80
42	-	4/80
46	706	1
47	-	1
50	-	1/8
51	-	1/8
52	-	1/8
54	-	1/8
60	-	8
62	-	1/8
65	-	1/8
70	703	1
71	-	1
75	701	1
76	-	1
80	706	1
81	-	1
84	-	1
85	-	1
88	-	1
89	-	1
90	707	1/10
93	-	1/6
94	-	1/6
95	-	1/6
96	-	1/10
0 466 23	087	1/20
0 470 21	322	1
22	-	1
23	-	1
24	-	1
25	-	1
26	-	1
28	-	1
29	-	1
0 472 72	712	1
75	-	1
0 473 62	712	1
63	-	1
91	-	1
92	-	1
0 474 90	252	1
95	-	1
0 475 45	258	1
46	-	1
47	-	1
0 476 45	253	1
83	712	1
93	700	1
94	-	1
95	-	1
96	712	1
0 477 12	261	50/1000
13	-	50/1000
22	258	10
23	-	10
28	253	5

Cat.Nos	Page N°	Pack
0 481 40	252	1
43	-	1
0 482 20	712	1
0 488 00	595	1/10
03	592	1/10
04	595	1/10
06	-	1/10
07	594	1/10
08	-	1/10
09	595	1/10
17	594	1/10
20	598	1/10
21	-	1/10
22	-	1/10
23	-	1/10
24	-	1/10
25	-	1/10
28	-	1/10
30	-	1/10
32	590	1/18
41	597	1/10
42	-	1/10
43	-	1/10
44	-	1/10
45	-	1/10
47	-	1/10
50	-	1/10
51	-	1/10
52	-	1/10
60	787	1
68	596	10/100
72	-	10/120
73	598	10/50
75	596	1/10
0 489 11	592	1/10
14	595	1
16	-	1/10
17	594	1/10
31	592	1/10
32	594	1
33	-	1
71	596	1/4
72	-	1/4
74	-	1/5
75	-	1
0 490 29	396	1
30	-	1
0 491 20	068	10/100
21	-	10/100
0 492 00	412	10/30
01	-	10/30
02	-	10/30
03	-	10/30
04	-	10/30
05	-	1/10
06	-	1/10
07	-	10/30
08	-	10/30
09	-	10/30
10	-	5/15
11	-	5/15
12	-	5/15
13	-	5/15
14	-	5/15
15	-	5/15
16	-	5/15
17	-	5/15
18	-	5/15
19	-	5/15
20	-	5/15
21	-	5/15
22	-	10/240
31	-	1
32	-	1
33	813	1
34	412	1/3
44	420	10/240
45	-	10/240
46	-	10/240
49	421	1/4
65	412	1/78
74	-	1

Cat.Nos	Page N°	Pack
0 495 52	093	1/30
53	-	1/30
54	-	1/30
55	-	1/30
58	-	1/30
59	-	1/30
60	-	1/30
97	-	100
0 497 56	076	1/30
83	077	1/30
0 499 26	076	1/40

0 500 00

Cat.Nos	Page N°	Pack
0 500 05	371	20/400
09	574	50/250
10	-	50/250
0 501 62	575	30/360
63	-	30/360
64	-	30/360
65	-	30/360
66	-	15/180
72	-	10/120
73	-	10/120
75	-	5/60
76	-	5/60
77	-	25/150
78	-	25/150
79	-	15/90
81	-	25/150
83	-	15/180
84	-	15/180
87	-	25/150
88	-	25/150
89	-	15/90
90	-	25/150
91	-	10/120
92	-	25/150
93	-	10/120
94	-	25/150
95	-	10/120
96	-	10/60
97	-	10/60
98	-	10/60
99	-	4/48
0 502 52	575	10/100
99	371	10/500
0 503 05	575	15/180
06	-	15/180
12	-	30/360
13	-	30/360
14	-	30/360
15	-	25/150
16	-	25/150
17	-	15/90
24	-	25/150
25	-	10/120
26	574	20/200
28	575	25/150
29	-	10/120
30	-	25/150
31	-	10/120
40	-	10/60
41	-	10/60
42	-	10/60
43	-	10/60
44	-	10/60
77	576	5
82	574	10/60
83	-	10/60
85	-	10/60
86	-	10/60
0 504 09	574	5/50
51	575	25/150
61	-	5/50
62	574	5/50
0 506 50	576	10/60
51	-	10/60
55	-	10/60
56	-	10/60

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 506 62	576	10/60
63	-	10/60
65	-	5/30
73	574	1/**8**
0 507 67	579	1
69	-	1
0 511 06	342	1/10
10	-	1/10
11	-	1/10
26	-	5/50
30	-	1/12
31	-	1/12
46	-	1/30
50	-	1/12
51	-	1/12
56	-	5/20
60	-	5/25
61	-	5/20
76	-	1/20
80	-	1/12
81	-	1/10
86	-	1/10
90	-	1/10
91	-	1/10
0 513 66	575	5
69	-	5
0 515 00	677	4
01	-	4
02	-	4
03	-	4
04	-	4
05	-	4
10	676	4
11	-	4
12	-	4
13	-	4
14	-	4
15	-	4
23	-	1/**4**
24	-	1/**4**
25	-	1/**4**
0 516 36	679	1/20
37	-	1/20
38	-	1/20
39	-	1/20
40	-	1/20
41	-	1/20
42	-	1/20
43	-	1/20
94	425	10/100
0 517 01	683	50/1000
02	-	50/1000
03	-	50/1000
04	-	50/1000
06	-	50/1000
07	-	50/1000
09	-	1/10
20	457	1/5
22	-	1/5
23	696	1/5
24	-	1/5
25	-	1/5
26	-	1
27	-	1
40	682	10/100
41	-	10/100
52	673	5/50
53	-	5/50
54	-	5/50
55	-	5
57	676	1/**4**
58	-	1/**4**
59	-	1/**4**
62	673	1/20
63	-	1/20
64	-	1/20
65	-	1/20
72	-	1/20
73	-	1/20
74	-	1/20
75	-	1/20
80	669	5/50

Cat.Nos	Page N°	Pack
0 517 81	669	5/50
82	-	5/50
83	-	5
86	676	1/4
87	-	1/4
88	-	1/4
90	677	1/**4**
91	-	1/**4**
92	-	1/**4**
93	-	1/**4**
94	-	1/**4**
95	-	1/**4**
96	676	1/**4**
97	-	1/4
98	-	1/**4**
0 518 50	673	1/20
51	-	1/20
52	-	1/20
53	-	1/20
54	-	1/20
55	-	1/20
56	-	1/20
57	-	1/20
58	-	1/20
59	-	1/20
60	-	1/20
61	-	1/20
62	-	1/20
63	-	1/20
64	-	1/20
65	-	1/20
66	669	1/10
67	-	1/10
68	-	1/10
69	-	1/5
70	-	1/10
71	-	1/10
72	-	1/10
73	-	1/5
74	-	1/10
75	-	1/10
76	-	1/10
77	-	1/5
78	-	1/10
79	-	1/10
80	-	1/10
81	-	1/5
82	-	1/10
83	-	1/10
84	-	1/10
85	-	1/5
0 520 02	340	1/10
12	-	1/5
18	-	5/60
22	-	5/60
29	-	5/50
32	-	1/20
39	-	1/20
42	341	5/50
49	340	1/10
52	341	5/50
59	340	1/10
62	341	5/50
69	-	1/20
72	-	1/10
79	-	1/20
82	-	5/50
89	340	1/12
92	341	1/20
0 521 05	327	10/50
25	326	10/100
26	-	5/50
27	-	5/50
42	341	1/20
43	-	1/20
44	-	1/20
52	-	1/10
53	-	5/25
54	-	1/10
62	-	1/12
63	-	1/10
64	-	1/10
72	-	1/12
73	-	1/10
74	-	1/10

Cat.Nos	Page N°	Pack
0 522 03	340	1/10
04	-	1/10
13	-	1/5
14	-	1/5
19	-	5/60
20	-	1/20
23	-	5/50
24	-	5/50
29	-	5/50
33	-	1/15
34	-	1/20
39	-	5/20
43	341	5/50
44	-	5/25
49	340	1/10
53	341	5/50
54	-	5/25
59	340	1/5
63	341	5/50
64	-	1/10
69	-	1/10
73	-	1/10
74	-	1/10
79	-	1/10
83	-	5/50
84	-	1/20
89	340	1/5
93	341	5/25
94	-	1/20
0 524 01	340	5/50
19	-	5/50
21	341	5/50
41	-	5/50
61	-	1/20
81	-	1/20
0 525 01	340	1/30
21	341	1/20
41	-	1/20
61	-	1/20
81	-	1/20
0 527 02	340	1/6
18	-	1/12
32	-	1/12
42	341	1/20
52	-	1/20
62	-	1/10
72	-	1/10
82	-	1/10
92	-	1/10
99	326	1/50
0 528 43	341	1/20
44	-	1/10
53	-	1/10
54	-	1/10
62	-	1/10
63	-	1/10
64	-	1/10
72	-	1/10
73	-	1/10
74	-	1/10
0 529 03	340	1/6
04	-	1/6
13	-	1/6
14	-	1/6
19	-	1/12
20	-	1/12
33	-	1/12
34	-	1/12
39	-	1/10
40	-	1/10
43	341	5/15
44	-	5/15
49	340	1/10
53	341	5/15
54	-	1/10
59	340	1/10
63	341	1/10
64	-	1/10
69	-	1/10
73	-	1/10
74	-	1/10
79	-	1/10
83	-	1/10

Cat.Nos	Page N°	Pack
0 529 84	341	1/12
90	340	1/5
93	341	5/20
94	-	1/12
0 530 06	342	1/10
10	-	1/10
11	-	1/10
46	-	1/12
50	-	1/12
51	-	1/12
56	-	1/10
60	-	1/10
61	-	1/10
76	-	1/10
80	-	1/10
81	-	1/10
86	-	1/10
90	-	1/10
91	-	1/10
0 533 00	683	3/30
01	-	3/30
02	-	3/30
03	-	3/12
0 535 90	780	1/10
91	-	1/10
92	-	1/5
98	-	1/5
99	-	5/25
0 536 03	340	1
04	-	1
0 537 23	340	1
24	-	1
33	-	1
34	-	1
49	-	1
73	341	1/5
74	-	1/5
0 538 00	340	1
01	-	1
09	-	1
23	-	1/10
24	-	1/10
33	-	1/10
34	-	1/10
43	341	1/5
44	-	1/5
53	-	1/5
54	-	1/5
63	-	1
64	-	1
73	-	1
74	-	1
79	-	1/5
83	-	1/5
84	-	1/5
89	340	1
93	341	1/5
94	-	1/5
0 539 48	327	1/8
49	682	5/25
0 540 00	777	1/21
01	-	1/18
02	-	1/9
03	-	1/8
05	-	1/12
06	-	1/12
07	-	1/12
08	-	1/12
10	-	1/12
11	-	1/12
12	-	1/6
13	-	1/6
15	-	1/12
16	-	1/12
17	-	1/6
18	-	1/6
20	-	1/12
21	-	1/12
22	-	1/6
23	-	1/6

Cat.Nos	Page N°	Pack
0 540 26	777	1/12
28	-	1/6
31	-	1/12
33	-	1/6
34	-	1
36	-	1
44	-	1
45	-	1
46	-	1
47	-	1
60	779	10/100
61	-	10/100
62	-	10/100
63	-	10/100
65	-	1/16
66	-	1/16
67	-	1/16
70	-	1/10
71	-	1/10
72	-	1/10
73	-	1/10
75	-	1/28
80	-	1/10
81	-	1/10
82	-	1/10
85	-	1/10
86	-	1/10
87	-	1/10
88	-	1/5
90	-	1/10
91	-	1/10
92	-	1/10
95	-	1/10
96	-	1/10
97	-	1/10
98	-	1/5

0 550 00

0 552 06	327	5/50
21	-	5/50
31	-	5/50
41	-	5/50
45	-	5/50
56	-	5/50
71	-	5/50
81	-	5/50
91	-	5/50
95	-	5/50
0 557 03	548	10/50
06	-	10/50
08	-	10/50
0 558 72	549	5/25
75	-	5/25
77	-	5/25
0 564 53	324	5/50
57	-	5/50
58	-	5/50
73	-	5/25
77	-	5/25
78	-	5/25
0 565 03	325	5/25
23	-	5/20
28	-	5/20
0 566 01	339	1
05	-	1
06	-	1
09	-	1
13	-	1
14	-	1
21	-	1
25	-	1
26	-	1
29	-	1
33	-	1
34	-	1
41	-	1
45	-	1
46	-	1
49	-	1
53	-	1
54	-	1

Cat.Nos	Page N°	Pack
0 566 61	339	1
65	-	1
66	-	1
69	-	1
73	-	1
74	-	1
0 568 03	328	5/20
04	-	5/20
07	-	5/20
08	-	5/20
23	-	5/20
27	-	5/20
28	-	5
0 572 98	339	1
99	-	1
0 573 00	326	1/4
01	-	1/4
02	-	1/4
20	-	1/4
21	-	1/4
22	-	1/4
54	-	5/50
58	-	5/50
59	-	5/50
0 574 40	326	5/20
41	-	5/20
0 575 84	326	5/50
85	-	5/25
86	-	5/25
88	-	5/25
89	-	5/25
0 576 69	327	20/100
72	-	20
75	-	20/100
76	-	20
0 577 03	336	1
04	-	1
05	-	1
06	-	1
10	-	1/2
11	-	3
12	-	5
13	-	5
14	-	4
15	-	5
16	-	4
17	-	2
18	-	4
19	-	2
20	-	1
21	327	3
22	-	3/12
23	336	1
0 580 54	326	5
58	-	5
59	-	5
0 581 40	326	5/15
41	-	5/15
0 582 84	326	5/20
86	-	5/20
88	-	5/20
89	-	5/20
0 587 00	329	2
01	325	2
02	-	2
04	329	2
05	-	2
10	-	2
11	325	2
12	-	2
14	329	2
15	-	2
20	-	2
21	325	2
22	-	2
24	329	2
25	-	2

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 587 30	329	2
34	-	2
35	-	2
40	-	2
41	325	2
42	-	2
44	329	2
45	-	2
0 589 10	339	1
18	-	1
38	336	1
0 591 06	329	1
07	-	1
14	342	1
15	-	1
16	329	1
17	-	1
26	-	1
27	-	1
36	-	1
37	-	1
46	-	1
47	-	1
0 594 27	342	1/10
28	-	1/10
37	-	1
38	-	1
47	-	1/5
48	-	1/5
77	-	1/6
78	-	1/6
87	-	1/5
88	-	1/5
0 595 02	342	1
03	-	1
12	-	1
13	-	1
22	-	1/4
23	-	1/4
32	-	1/4
33	-	1/4
42	-	1
43	-	1

0 600 00

0 601 21	580	50/250
30	-	10/100
80	-	10/30
0 604 05	602	12
14	-	12
15	-	12
19	-	10
50	-	5/**200**
51	-	5/**200**
58	-	10
59	-	10
77	603	1/10
83	-	1/5
92	602	12
0 605 08	603	1/10
09	-	1/6
0 606 20	580	1/**10**
21	-	1/**10**
25	-	1/**10**
28	-	1/**10**
31	-	1/10
32	-	1
37	-	1
0 607 53	616	5/50
97	-	1/5
0 609 10	611	1/50
28	616	25/500
29	-	10/200
31	-	25/500
40	-	5/50
41	-	5/50

Cat.Nos	Page N°	Pack
0 610 18	616	1/12
19	-	1/12
87	617	1/20
92	-	1/12
93	-	1/10
96	-	1/12
97	-	1/12
98	-	1/10
0 612 00	616	5/500
01	-	5/500
02	-	5/500
0 617 21	609	10
97	617	40
0 618 40	620	1/10
42	-	1/10
46	-	1/10
82	617	1
83	-	1/10
84	-	1/10
85	-	1/20
86	-	1/20
0 620 20	602	1
0 622 32	579	1
33	-	1
40	-	1/10
41	-	1/10
0 624 00	603	5
02	-	5
10	602	1
11	-	1
12	-	1
15	603	1/6
20	602	1
21	-	1
25	603	5
49	-	1/6
0 626 00	618	1/6
01	-	1/3
02	-	1/12
03	-	1/8
10	-	1/40
90	616	1/10
91	-	1/6
92	-	1
93	-	1/8
99	611	1/75
0 634 35	419	1
36	417	1
42	421	1/5

0 650 00

0 660 00	614	1/5
01	-	1/5
02	-	1/5
03	-	1/5
04	-	1/5
05	-	1/5
90	-	1/4
92	-	1/4
0 672 05	420	1
31	403	1/10
33	-	1/10
34	-	1/10
35	404	1/10
36	-	1/10
37	403	1/10
39	404	1/10
40	-	1/10
50	406	1/12
63	403	1/10
64	404	1/10
67	421	1
68	-	1
0 673 22	461	1/20
27	-	1/25
29	-	1/4

Cat.Nos	Page N°	Pack
0 673 30	461	1
0 674 59	395	1/12
0 675 13	417	1/120
14	-	1/20
16	-	1/24
17	416	5/100
18	415	1/24
52	409	1/12
53	-	1/12
54	-	1/3
55	418	1/12
56	409	1/12
57	-	1/12
58	-	1/12
71	396	1/20
72	-	1
89	395	1/50
90	395	1/12
91	-	1/12
92	-	1/12
93	-	1/12
95	-	1
96	-	1
0 676 22	790	1/20
64	785	10/100
65	-	10/500
66	-	10/500
67	-	10/500
68	-	10/500
0 695 00	550	1/10
02	-	1/10
03	405	1/10
04	551	5/100
11	550	10/100
12	-	10/100
13	-	5/100
17	551	5/100
18	-	5/100
23	550	5/100
24	-	1/10
25	-	10/100
27	-	1/10
28	-	1/10
30	-	10/100
34	551	1/10
35	-	1/10
40	550	10/100
42	-	10/100
47	551	1/10
48	-	1/10
49	-	1/10
51	-	10/100
53	-	5/100
55	-	5/100
56	552	1/20
57	-	1/20
61	-	1/20
69	-	5/100
70	551	10/100
71	-	10/100
76	552	5/50
77	-	5/50
79	-	1/10
80	-	10/100
81	675	1/10
82	552	1/10
85	551	10/100
0 696 04	551	5/100
11	550	10/100
12	-	5/100
13	-	5/100
21	551	10/100
39	-	10/100
40	-	5/100
51	553	10/100
56	-	5/50
61	-	5/50
68	-	5/50
72	-	5/50
78	-	5/50
81	-	10/100
83	-	5/50

Cat.Nos	Page N°	Pack
0 696 85	553	5/50
89	-	10/100
90	-	5/50
91	-	5/50
92	-	10/100
94	-	5/50
96	-	5/50
0 697 11	549	10/100
12	-	10/100
13	-	5/50
15	-	10/100
16	-	5/50
17	-	1/10
20	-	10/100
22	-	10/100
31	-	10/100
32	-	10/50
33	-	10/100
39	-	5/25
40	-	1/12
50	-	5/50
80	-	1/12
95	791	1/10
0 698 11	548	10/140
21	-	10/140
24	-	5/50
31	-	10/120
33	-	10/120
51	-	10/100
55	-	5/50
61	-	5/50
64	-	5/50
69	-	10/100
70	-	10/100

0 700 00

0 707 11	550	5/100
21	551	5/100
22	-	5/100
24	552	1/10
26	550	5/100
27	-	5/100
30	-	5/100
32	-	5/100
33	-	5/100
41	553	10/100
42	-	1/20
43	-	1/20
49	-	1/20
72	548	5/50
73	-	5/50
92	553	10/100
94	-	1/20
0 728 42	489	10/20
43	-	100
44	-	10/20
46	-	10/20

0 750 00

0 756 01	747	20
02	-	12
03	748	12
04	-	8
06	749	8
08	747	20
09	745	26
11	747	10/50
12	-	10/50
13	748	5/25
14	-	5/25
16	749	5/25
21	747	10/40
22	-	10
23	748	5/20
24	-	5/20
26	749	5/20
31	747	10/50
32	-	10/50
33	748	5/25
34	-	5/25
36	749	5/25

Cat.Nos	Page N°	Pack
0 756 41	747	10
42	-	10
43	748	5
44	-	1/**5**
46	749	5
61	747	10/100
62	-	10/100
63	748	10/100
66	747	20/200
67	-	20/200
69	-	10/100
71	-	5/25
72	-	5/25
75	748	5/25
76	747	5/25
81	-	5
88	-	5/25
90	746	10/100
0 757 00	816	20
02	-	12
04	817	8
05	816	10/50
07	-	5/25
09	817	5/25
10	816	10/40
12	-	5/20
14	817	5/20
15	816	10/50
17	-	5/25
19	817	5/25
20	816	10
22	-	5
24	817	5
25	-	5/25
29	-	20
30	-	20/200
35	-	10/100
36	-	10/100
50	745	20
52	-	12
55	-	10/50
57	-	5/25
60	-	10/40
62	-	5/20
65	-	10/50
67	-	5/25
70	-	10
72	-	5
75	-	5/25
79	-	20
80	-	20/200
85	-	10/100
86	744	10/100
0 758 00	750	20
02	-	12
04	751	8
05	750	10/50
07	-	5/25
09	751	5/25
10	750	10/40
12	-	5/20
14	751	5/20
15	750	10/50
17	-	5/25
19	751	5/25
20	750	10
22	-	5
24	751	5
25	750	5/25
29	-	20
30	-	10/100
33	-	20/200
35	-	10/100
36	-	10/100
0 765 01	680	10/100
02	-	5/50
03	674	10/100
04	-	5/50
05	-	10/100
06	-	5/50
07	-	10/100
08	670	10/100
09	-	10/100
14	674	10/100
18	680	10/100

Cat.Nos	Page N°	Pack
0 765 22	674	10/100
23	-	10/100
24	670	10/100
25	-	10/100
26	-	10/100
27	-	10/100
30	680	1/20
32	674	1/20
33	-	1/20
35	682	10/100
36	-	10/100
37	-	10/100
38	-	10/100
39	-	10/100
41	680	5/50
42	-	5/50
44	674	5/50
46	-	5/50
51	680	10/100
52	-	10/100
54	-	10/100
55	-	10/100
61	674	10/100
62	-	10/100
63	-	10/100
64	-	10/100
65	-	10/100
66	-	10/100
71	670	10/100
73	-	10/100
74	-	10/100
76	-	10/100
81	674	10/100
82	-	10/100
83	-	10/100
84	670	10/100
90	-	5/50
91	674	10/100
92	-	10/100
93	-	10/100
94	-	5/50
95	-	5/50
96	-	5/50
97	680	5/50
98	-	5/50
99	670	5/50
0 766 01	791	1/20
02	-	1/20
03	812	1
04	-	1
05	-	1
06	-	1/4
07	-	1/4
08	-	1/4
09	813	1/4
10	814	1/3
11	813	1/4
12	-	1
13	-	1
14	-	1/3
15	814	1/4
16	-	1
17	813	1/3
18	-	1/4
19	-	1/3
20	815	1/100
21	-	1/24
22	-	1/7
29	813	1
40	794	10/100
41	-	10/100
42	-	1/20
55	809	1/4
56	-	1/4
57	-	1/10
60	-	1/4
63	-	1/20
64	-	1/20
66	786	1/20
70	812	1/10
71	-	1/12
72	809	1/12
77	811	1/20
85	810	1/20
90	790	1/20

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 767 00	625	1
03	623	1/10
04	627	1/10
05	-	1/10
06	-	1/10
07	623	1/5
08	627	1
09	-	1/4
10	623	5/100
11	-	10/250
12	627	10/250
13	-	10/250
16	626	1/10
17	625	1/10
18	623	1
20	789	1/20
21	-	1/12
23	-	1/20
28	623	1/20
30	-	1
31	626	1/5
32	-	1
33	621	1/2
34	-	1/2
41	622	1
42	-	1
43	625	1
44	626	1
0 770 00	784	10/100
01	-	10/100
02	-	10/100
10	-	10/100
11	-	10/100
12	-	10/100
14	-	1/20
21	-	10/100
25	790	10/100
26	-	10/100
27	784	1/20
28	790	10/100
30	785	10/100
31	-	10/100
32	-	10/100
33	-	10/100
40	-	10/100
41	-	10/100
42	-	10/100
43	-	10/100
44	784	1/20
47	791	5/50
48	-	5/50
50	784	10/100
52	-	10/100
60	-	10/100
62	-	10/100
63	-	10/100
64	-	10/100
70	794	10/100
71	-	10/100
72	791	1/20
73	-	1/20
74	-	1/20
75	-	1/20
80	793	1/50
92	784	10/100
94	-	10/100
0 771 06	746	10/120
50	793	10/100
0 772 02	746	10/50
03	-	10/50
10	792	10/100
11	-	10/100
12	-	10/100
13	-	10/100
14	-	10/100
16	-	10/100
17	-	10/100
18	-	10/100
19	-	10/100
20	-	10/100
22	746	10/50
23	-	10/50
31	792	1/20
32	744	10/50
33	-	10/50
0 772 42	746	10/50
43	-	10/50
45	792	10/100
52	-	10/100
53	-	10/60
54	-	5/50
72	-	10/100
73	-	10/60
74	-	5/50
81	-	10/100
82	-	10/60
83	-	5/50
90	-	10/100
91	-	10/100
92	-	10/100
0 774 01	758	10/100
02	-	10/60
03	-	10/50
04	-	5/50
11	-	10/100
12	-	10/60
13	-	10/50
14	-	5/50
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22	-	10/60
23	-	10/50
24	-	5/50
0 775 01	793	10/100
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03	-	10/100
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06	-	10/100
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21	794	1/12
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31	-	1/12
32	-	1/12
33	-	1/12
34	-	1/12
40	-	1/20
41	-	1/50
42	-	1/20
50	-	10/100
51	-	10/100
52	-	10/100
86	791	1/6
91	793	10/100
93	-	1
94	-	5/50
0 776 01	758	10/100
02	-	10/70
03	-	10/60
04	-	5/50
11	-	10/100
12	-	10/70
13	-	10/60
14	-	5/50
21	-	10/100
22	-	10/70
23	-	10/60
24	-	5/50
0 778 11	556	1/10
12	-	1/10
13	-	1/10
14	-	1/10
21	-	1/10
22	-	1/10
23	-	1/10
25	-	1/10
27	-	1/10
31	557	1/10
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33	-	1/10
35	-	1/10
36	-	1/10
37	-	1/10
41	556	1/10
42	-	1/10
43	-	1/10
0 778 44	556	1/10
50	557	1/10
51	-	1/40
52	-	1/10
53	-	1/10
56	554	1/10
57	-	1/10
66	557	1/20
67	556	1/10
68	-	1/10
70	625	1/10
71	626	1/10
72	556	1/10
73	625	1/10
74	556	1/10
75	-	1/10
76	-	1/10
78	-	1/10
80	557	1/20
81	-	1/20
82	-	1/10
83	-	1/50
84	-	1/20
85	-	1/30
86	-	1/20
87	-	1/40
90	-	1/10
91	-	1/10
92	-	1/10
96	-	5/200
97	554	1/10
98	-	1/10
0 779 00	693	1/20
01	-	1/20
05	687	1/12
06	-	1/12
13	692	1/10
14	-	1/10
30	457	1/45
0 782 00	812	1/20
04	809	1/20
07	810	1/20
12	809	1/12
14	-	1
19	812	1
40	810	1/6
41	811	1/6
42	810	1/**6**
43	-	5/50
44	-	1/**6**
45	811	1/6
46	810	1/**4**
47	-	1/**4**
48	-	1/10
49	-	1/10
51	-	1/20
89	809	1/12
90	814	1/12
0 783 29	818	1
30	-	1
31	-	1
32	-	1
36	819	1
42	-	1
45	820	1
50	-	1
51	-	1/4
52	-	1/4
53	-	1/4
62	809	1/20
75	811	1/20
76	-	1/20
77	-	1/10
78	-	1/10
79	-	1/10
85	820	1
86	-	1
87	818	1
88	820	1
97	-	1
0 784 02	787	1/20
03	-	1
04	-	1/20
05	-	1/20
0 784 07	787	1/40
10	-	1/20
20	789	1/20
25	-	1/20
27	790	1/10
28	-	1/20
45	791	1/20
52	595	1/30
53	-	1/30
54	592	1/30
55	-	1/30
57	594	1/30
71	599	1/12
72	-	1/12
73	-	1/12
75	-	1/12
78	-	1/3
80	791	1/20
85	598	1/30
86	-	1/30
89	599	1/20
91	-	1/20
94	-	1/20
95	-	1/20
96	-	1/20
0 785 01	802	10/100
02	-	10/100
10	-	1/20
11	-	1/20
12	-	1/10
13	-	1/10
20	-	5/50
21	-	5/50
22	-	1/20
23	-	1/20
24	-	5/50
51	-	10/100
52	-	10/100
60	-	10/100
61	-	10/100
62	-	10/100
63	-	10/100
70	-	10/100
71	-	10/100
72	-	10/100
73	-	10/100
0 786 02	797	10/100
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06	674	10/100
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10	-	10/100
11	-	10/100
12	-	10/100
14	685	1/20
16	-	1/20
17	-	1/20
18	-	1/20
20	677	10/100
21	-	10/100
22	-	10/100
23	-	10/100
24	-	10/100
25	-	10/100
26	-	10/100
27	-	10/100
28	-	10/100
29	-	10/100
0 787 02	792	10/100
05	790	10/100
09	786	1/20
10	784	10/100
11	-	10/100
12	-	10/100
13	786	1/20
14	785	10/100
15	-	10/100
16	-	10/100
20	794	10/100
21	-	10/100
22	806	10/100
23	-	10/100
24	-	10/100
25	-	10/100
0 787 26	806	10/100
30	797	10/100
31	-	10/100
32	-	10/100
34	-	10/100
46	-	1/10
47	695	1/10
48	797	1
50	695	10/100
51	-	10/100
52	-	1/20
53	-	1/20
54	-	1/20
55	-	1/20
56	-	1/20
57	694	1/20
58	695	1/20
60	-	1/20
61	797	1/20
64	694	1/20
65	797	1/20
66	-	1/20
67	-	1/20
68	694	1/20
70	-	1/10
71	695	1/20
72	694	1/20
73	-	1/20
74	-	1/20
76	695	1/20
77	694	1/10
78	-	1/10
79	-	1/10
80	798	10/100
82	-	10/100
83	-	10/100
84	-	10/100
86	-	10/100
87	-	10/100
88	-	10/100
91	694	1/10
93	798	5/50
97	697	1
98	-	1
99	694	1/30
0 788 01	806	10/100
02	-	10/200
03	-	10/100
04	-	10/100
06	-	10/100
08	807	2/40
10	806	2/40
11	-	10/100
14	-	10/100
15	-	10/100
16	-	10/100
18	-	10/100
22	-	10/100
23	-	10/100
25	-	10/100
28	807	1/10
30	-	5/50
32	-	5/50
36	-	5/50
37	-	5/50
38	-	5/50
40	805	1/20
54	807	10/100
56	-	10/100
64	-	10/100
66	-	10/100
72	805	1/10
73	-	1/10
74	-	1/5
80	806	5/150
82	805	1/10
83	-	1/10
84	-	1/5
0 789 09	697	1
10	-	1
0 790 01	806	5/50
02	-	10/100
03	-	5/50
04	-	5/50
06	-	5/50
0 790 08	807	1/20
10	806	1/20
11	-	5/50
14	-	5/50
15	-	5/50
16	-	5/50
18	-	5/50
22	-	5/50
23	-	5/50
25	-	5/50
28	807	1/10
30	-	1/20
32	-	1/20
36	-	1/20
37	-	1/20
38	-	1/20
72	805	1/10
73	-	1/10
74	-	1/5
82	-	1/10
83	-	1/10
84	-	1/5
0 791 04	808	10/500
06	-	10/500
10	-	10/500
27	790	1/10
28	-	1/20
51	807	10/500
52	-	10/500
53	803	10/200
54	-	10/200
71	599	1/12
72	-	1/12
73	-	1/12
75	-	1/12
78	-	1/3
0 792 01	784	10/100
02	-	10/100
07	787	1/40
11	784	10/100
12	-	10/100
13	792	10/100
21	784	10/100
25	790	1/20
26	-	1/20
28	-	1/20
30	785	10/100
31	797	10/100
32	785	10/100
40	-	10/100
42	-	10/100
50	695	10/100
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54	695	1/20
55	-	1/20
57	694	1/20
58	786	1/30
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64	694	1/20
70	794	10/100
75	694	1/20
80	794	10/100
82	792	10/100
83	-	10/60
84	797	1/20
92	798	10/100
96	-	10/100
0 793 77	694	1/10
78	-	1/10
79	-	1/10
91	793	10/100
93	-	1
94	-	1/20
0 794 12	674	10/100
13	-	10/100
33	-	1/20
51	680	10/100
52	-	10/100
54	-	10/100
55	-	10/100
61	674	10/100
62	-	10/100
64	-	10/100

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
0 794 65	674	10/100
71	670	10/100
73	-	10/100
74	-	10/100
76	-	10/100
81	674	10/100
85	-	10/100
86	-	10/100
92	-	10/100

0 800 00

Cat.Nos	Page N°	Pack
0 800 40	565	20
41	-	50
42	-	30
43	-	30
44	-	30
49	-	15
51	-	50
52	-	30
53	-	30
54	-	15
61	804	20
0 801 08	566	100
24	-	1/10
26	-	1/10
28	-	1/5
29	805	5/50
40	566	10/60
41	-	100
49	-	10
51	-	100
55	-	5/50
80	565	20/200
82	-	10/20
85	566	5/20
93	565	1/6
95	-	1/5
97	-	20/2000
0 802 13	808	10/100
14	-	5/50
16	-	5/45
50	-	10/500
51	-	10/100
52	-	10/100
53	-	5/50
54	-	5/50
57	-	1/20
58	-	1/20
59	-	5/250
60	-	1/20
61	-	10/100
62	-	1/20
64	-	5/50
66	-	5/30
68	-	5/15
69	-	10/100
74	803	1/10
76	-	1/10
78	-	1/5
80	-	5/50
81	-	5/100
82	-	5/20
83	-	5/40
84	-	2/20
85	-	5/20
86	-	5/40
89	-	2/20
90	808	10/200
91	-	10/200
92	-	10/100
94	-	10/100
95	-	10/100
99	803	10/100
0 803 99	372	10/40
0 818 52	543	10
53	-	10
54	-	1/4
55	-	4
56	384	1/10
57	543	10

Cat.Nos	Page N°	Pack
0 819 40	567	50
60	-	20
72	-	20/200
0 844 24	417	1
0 849 00	552	100/2000
01	-	50/1000

0 850 00

Cat.Nos	Page N°	Pack
0 860 01	738	10/100
06	-	10/100
29	-	10/100
31	-	10/100
40	-	10/100
0 880 70	773	1
71	772	1/10
72	773	1/6
73	772	1
0 882 30	596	1/40
31	404	1/10
32	-	1/10
33	-	1/10
35	596	1/40
0 883 01	415	1
02	417	1/24
05	405	1/20
07	404	1/20
20	405	1/10
22	-	1/10
23	-	1/10
25	-	1/10
26	-	1
30	406	1/10
31	-	1/20
32	-	1/20
91	416	1/24
97	412	1
0 892 39	489	15/180
46	566	50
49	489	5/100
50	-	1/50
71	567	10
72	-	10
73	-	10
74	-	10
75	-	10
77	-	2
78	-	2
79	417	2/32
81	437	20/400
0 893 07	772	1/10
72	565	10
73	-	10
74	-	10
75	-	10
79	417	2/32
0 896 04	775	1
05	773	1/5
06	-	1/5
07	-	1/5
10	-	1/5
11	-	1/5
12	-	1/5
15	-	1
16	-	1
17	-	1
20	-	1/5
21	-	1/5
22	-	1/5
25	-	1/5
26	-	1/5
27	-	1/5
30	772	1
31	-	1
32	-	1
34	-	1
35	-	5
36	-	5

Cat.Nos	Page N°	Pack
0 896 37	772	5
38	-	5
39	776	6/36
44	772	1/10
49	-	1/10
83	776	1
84	-	1
85	-	1
86	-	1
87	-	1/10
88	-	1
90	772	1/5
91	-	1/5
94	-	1/5
95	-	1/5
0 898 05	453	10/100
06	469	10/200
40	474	10/200
0 899 06	772	10/100

0 900 00

Cat.Nos	Page N°	Pack
0 903 59	548	10/50
0 904 67	555	1/10
71	554	1/10
72	-	1/10
73	-	1/10
78	-	1/8
0 910 24	425	1/**10**
0 916 55	549	5/25
56	-	5/25
57	-	5/25
0 919 10	559	50/1000
11	-	50/1000
14	549	50/1000
15	-	50/1000
16	559	50/500
17	-	50/1000
45	552	1/100
0 920 32	558	1/10
34	559	1/**10**
42	558	20
44	559	1/**10**
52	558	1/**10**
54	559	1/**5**
62	558	1/**10**
64	559	1/**5**
82	558	1/**2**
84	559	1/**2**
92	558	1
94	559	1
0 921 00	558	5/**100**
01	-	5/**100**
04	-	5/**100**
22	562	2
26	558	5/**100**
27	-	5/**50**
28	562	5/**50**
36	558	5/**50**
37	-	5/**30**
38	562	5/**50**
0 922 84	-	1

0 950 00

Cat.Nos	Page N°	Pack
0 955 01	269	20/200
03	-	20/240
05	-	10/120
06	-	5/60
07	-	5/100
08	-	2/40
09	-	2/20
10	-	20/600
11	-	20/200
12	-	20/200
13	-	20/240
14	-	20/200

Cat.Nos	Page N°	Pack
0 955 15	269	10/100
16	-	10/100
17	-	10/60
18	-	2/40
19	-	2/40
0 968 00	267	50/3000
01	-	50/1250
03	-	50/800
05	-	50/500
06	-	25/250
07	-	10/140
08	-	10/100
09	-	10/90
20	-	50/3500
21	-	50/2000
22	-	50/1400
23	-	50/1150
24	-	50/900
25	-	50/450
26	-	25/300
27	-	10/150
28	-	10/100
29	-	10/100
30	-	50/10000
31	-	50/7500
32	-	50/6000
33	-	50/4000
34	-	50/3500
35	-	50/2250
36	-	25/1000
37	-	10/600
38	-	10/500
39	-	10/450
40	-	50/11500
41	-	50/7500
43	-	50/4000
45	-	50/2500
46	-	25/1250
47	-	10/800
48	-	10/450
49	-	10/400
0 969 29	575	10/100
0 979 90	269	50/2500
0 980 00	268	25/500
01	-	25/500
03	-	25/500
05	-	10/200
06	-	5/100
07	-	3/60
08	-	2/40
09	-	2/40
20	-	25/500
21	-	25/500
22	-	25/500
23	-	25/500
24	-	20/400
25	-	10/200
26	-	5/100
27	-	3/60
28	-	2/40
29	-	2/40
41	-	50/500
43	-	50/500
45	-	50/500
46	-	25/250
47	-	25/250

2 000 00

Cat.Nos	Page N°	Pack
2 810 00	500	10/60
01	-	10/60
02	-	10/60
03	-	10/60
04	-	10/60
05	-	10/60
06	-	10/60
07	-	10/60
08	-	4/40
09	-	4/40
10	-	10/60
11	-	10/60
12	-	10/60
13	-	10/60

Cat.Nos	Page N°	Pack
2 810 14	500	10/60
15	-	10/60
16	-	10/60
17	-	10/60
40	502	10/60
41	-	10/60
45	506	10/60
46	-	10/60
48	-	1/30
50	501	10/60
51	-	10/60
52	-	10/60
53	-	10/60
54	-	10/60
55	-	10/60
60	-	10/60
61	-	10/60
62	-	10/60
65	-	10/60
66	-	10/60
67	-	10/60
68	-	10/60
69	-	4/40
71	-	10/60
72	-	10/60
73	-	5/30
75	502	5/30
80	-	1/30
81	-	1/30
82	-	1/30
84	-	1/30
85	-	1/20
90	-	1/30
91	-	1/30
92	-	1/30
97	506	5/50
2 811 00	505	10/60
01	-	10/60
02	-	10/60
03	-	10/60
04	-	10/60
05	-	10/60
06	-	10/60
10	504	10/60
11	-	10/60
12	-	5/30
13	-	5/30
14	-	10/60
15	-	5/30
16	-	10/60
17	-	5/30
18	-	10/60
19	-	5/30
20	505	10/60
26	-	10/60
27	504	10/60
28	-	10/60
29	-	10/60
31	-	10/60
32	-	10/60
35	503	1/10
40	504	10/60
41	-	10/60
42	-	10/60
47	503	10/60
48	-	5/50
51	-	10/60
52	-	10/60
53	-	5/50
57	-	5/50
60	-	5/50
61	-	5/50
62	-	5/50
63	-	5/50
64	-	5/50
65	-	5/50
66	-	5/50
68	-	5/50
69	-	5/50
70	-	10/60
80	506	1/6
81	-	1/30
82	-	1/30
83	-	1/30
84	-	1/10
85	-	1/30

Cat.Nos	Page N°	Pack
2 811 90	514	10/100
91	-	5/50
92	-	5/50
93	-	5/50
2 812 75	509	5/30
2 813 16	511	5/50
17	-	5/30
18	-	5/50
19	-	5/30
2 816 16	511	5/50
17	-	5/30
18	-	5/50
19	-	5/30
2 817 16	511	5/50
17	-	5/30
18	-	5/50
19	-	1
2 818 47	505	8/80
48	512	8/80
55	505	5/50
56	512	5/50
58	505	5/50
59	512	5/50
67	-	8/80
68	-	8/80
75	-	5/50
76	-	5/50
78	-	5/50
79	-	5/50
95	514	5/150
96	-	5/150
97	-	5/150
2 819 00	514	10/100
01	-	5/50
02	-	5/50
05	-	10/100
06	-	5/50
07	-	5/50
10	-	10/100
11	-	5/50
12	-	5/50
20	512	1/50
21	-	1
22	-	1
23	-	1
30	-	5/50
31	-	5/50
32	-	5/50
33	-	5/50
34	-	5/50
46	-	5/50
47	-	5/50
48	-	5/50
49	-	5/50
50	514	10/100
51	-	5/50
52	-	5/50
55	-	10/100
56	-	5/50
57	-	5/50
60	-	10/100
61	-	5/50
62	-	5/50
65	-	10/100
66	-	5/50
67	-	5/50
70	-	10/100
71	-	5/50
72	-	5/50
75	-	10/100
76	-	5/50
77	-	5/50
78	-	1/100
79	-	1/50
80	-	1/50
82	-	1/100
83	-	1/50
84	-	1/50
86	-	1/100
87	-	1/50
88	-	1/50
90	-	1/100

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
2 819 91	514	1/50
92	-	1/50
97	-	10/300
98	-	10/300
2 830 00	507	5/50
01	-	5/50
02	-	5/50
03	-	5/50
04	-	5/50
05	-	5/50
06	-	5/50
07	-	5/50
08	-	4/40
09	-	4/40
10	-	5/50
11	-	5/50
12	-	5/50
13	-	5/50
14	-	5/50
15	-	5/50
16	-	5/50
17	-	5/50
40	509	5/50
41	-	5/50
45	513	5/50
46	-	5/50
48	-	1/30
50	508	5/50
51	-	5/50
52	-	5/50
53	-	5/50
54	-	5/50
55	-	5/50
60	-	5/50
61	-	5/50
62	-	5/50
65	-	5/50
66	-	5/50
67	-	5/50
68	-	5/50
69	-	4/40
71	-	5/50
72	-	5/50
73	-	5/30
80	509	1/30
81	-	1/30
82	-	1/30
84	-	1/30
85	-	1/20
90	-	1/30
91	-	1/30
92	-	1/30
97	513	5/50
2 831 00	512	5/50
01	-	5/50
02	-	5/50
03	-	5/50
04	-	5/50
05	-	5/50
06	-	5/50
10	511	5/50
11	-	5/50
12	-	5/30
13	-	5/30
14	-	5/50
15	-	5/30
20	512	5/50
26	-	5/50
27	511	5/50
28	-	5/50
29	-	5/50
31	-	5/50
32	-	5/50
35	510	1/10
40	511	5/50
41	-	5/50
42	-	5/50
47	510	5/50
48	-	5/50
51	-	5/50
52	-	5/50
53	-	5/50
57	-	5/50
60	-	5/50
61	-	5/50
62	-	5/50

Cat.Nos	Page N°	Pack
2 831 63	510	5/50
64	-	5/50
65	-	5/50
66	-	5/50
68	-	5/50
69	-	5/50
70	-	5/50
80	513	1
82	-	1
83	-	1
84	-	1
85	-	1
90	514	10/100
91	-	5/50
92	-	5/50
93	-	5/50
2 832 00	507	5/50
01	-	5/50
02	-	5/50
03	-	5/50
04	-	5/50
05	-	5/50
06	-	5/50
07	-	5/50
08	-	4/40
09	-	4/40
10	-	5/50
11	-	5/50
12	-	5/50
13	-	5/50
14	-	5/50
15	-	5/50
16	-	5/50
17	-	5/50
40	509	5/50
41	-	5/50
45	513	5/50
46	-	5/50
48	-	1/30
50	508	5/50
51	-	5/50
52	-	5/50
53	-	5/50
54	-	5/50
55	-	5/50
60	-	5/50
61	-	5/50
62	-	5/50
65	-	5/50
66	-	5/50
67	-	5/50
68	-	5/50
69	-	4/40
71	-	5/50
72	-	5/50
73	-	5/30
75	509	5/30
80	-	1/30
81	-	1/30
82	-	1/30
84	-	1/30
85	-	1/20
90	-	1/30
91	-	1/30
92	-	1/30
97	513	5/50
2 833 00	512	5/50
01	-	5/50
02	-	5/50
03	-	5/50
04	-	5/50
05	-	5/50
06	-	5/50
10	511	5/50
11	-	5/50
12	-	5/30
13	-	5/30
14	-	5/50
15	-	5/30
20	512	5/50
26	-	5/50
27	511	5/50
28	-	5/50
29	-	5/50
31	-	5/50
32	-	5/50

Cat.Nos	Page N°	Pack
2 833 35	510	1/10
40	511	5/50
41	-	5/50
42	-	5/50
47	510	5/50
48	-	5/50
51	-	5/50
52	-	5/50
53	-	5/50
57	-	5/50
60	-	5/50
61	-	5/50
62	-	5/50
63	-	5/50
64	-	5/50
65	-	5/50
66	-	5/50
68	-	5/50
69	-	5/50
70	-	5/50
80	513	1
82	-	1
83	-	1
84	-	1
85	-	1/30
90	514	10/100
91	-	5/50
92	-	5/50
93	-	5/50
2 834 00	507	5/50
01	-	5/50
02	-	5/50
03	-	5/50
04	-	5/50
05	-	5/50
06	-	5/50
07	-	5/50
08	-	4/40
09	-	4/40
10	-	5/50
11	-	5/50
12	-	5/50
13	-	5/50
14	-	5/50
15	-	5/50
16	-	5/50
17	-	5/50
40	509	5/50
41	-	5/50
45	513	5/50
46	-	5/50
48	-	1/30
50	508	5/50
51	-	5/50
52	-	5/50
53	-	5/50
54	-	5/50
55	-	5/50
60	-	5/50
61	-	5/50
62	-	5/50
65	-	5/50
66	-	5/50
67	-	5/50
68	-	5/50
69	-	4/40
71	-	5/50
72	-	5/50
73	-	5/30
75	509	5/30
80	-	1/30
81	-	1/30
82	-	1/30
84	-	1/30
85	-	1/20
90	-	1/30
91	-	1/30
92	-	1/30
97	513	5/50
2 835 00	512	5/50
01	-	5/50
02	-	5/50
03	-	5/50
04	-	5/50
05	-	5/50
06	-	5/50

Cat.Nos	Page N°	Pack
2 835 10	511	5/50
11	-	5/50
12	-	5/30
13	-	5/30
14	-	5/50
15	-	5/30
20	512	5/50
26	-	5/50
27	511	5/50
28	-	5/50
29	-	5/50
31	-	5/50
32	-	5/50
35	510	1/10
40	511	5/50
41	-	5/50
42	-	5/50
47	510	5/50
48	-	5/50
51	-	5/50
52	-	5/50
53	-	5/50
57	-	5/50
60	-	5/50
61	-	5/50
62	-	5/50
63	-	5/50
64	-	5/50
65	-	5/50
66	-	5/50
68	-	5/50
69	-	5/50
70	-	5/50
80	513	1
82	-	1
83	-	1
84	-	1
85	-	1
90	514	10/100
91	-	5/50
92	-	5/50
93	-	5/50

3 000 00

3 100 00	657	1/**2**
01	-	1/**2**
02	-	1/2
03	-	1/**2**
04	-	1
05	-	1
06	658	1
07	-	1
08	-	1
09	657	1/**2**
10	-	1/**2**
13	-	1
14	-	1
20	658	1
38	659	1
39	-	1
50	654	1
51	-	1
52	-	1
53	-	1
54	-	1
56	-	1
57	-	1
58	-	1
59	-	1
3 107 50	654	1
51	-	1
52	-	1
53	-	1
54	-	1
66	-	1
69	-	1
70	-	1
71	-	1
72	-	1
3 109 50	654	1/6
52	-	1/4
53	-	1
54	-	1/2
69	-	1
BT-348402	396	1

Cat.Nos	Page N°	Pack
3 690 00	584	1/6
03	-	1/6
05	-	1/10
08	-	1/10
70	583	1/3
73	-	1/3
75	-	1/6
78	-	1/6
80	-	1/6
83	-	1/6
85	-	1/8
88	-	1/8
3 691 00	582	1/6
05	-	1/8
3 692 00	582	1/6
05	-	1/8
10	-	1/6
15	-	1/8
3 693 00	582	1/6
05	-	1/6
10	-	1/6
15	-	1/6
3 866 21	269	50
22	-	50
23	-	50
24	-	50
25	-	50
26	-	50
27	-	25
28	-	25
29	-	10
30	-	10
31	-	50
32	-	50
33	-	50
34	-	50
35	-	25
36	-	10
37	-	10
3 970 31	451	10/160
32	-	10/120
33	-	10/50
41	-	10/160
42	-	10/120
43	-	10/50
51	-	10/160
52	-	10
53	-	10
71	-	10/160
72	-	10/120
73	-	10/50
81	-	10/160
82	-	10/120
83	-	10/50
91	-	10/160
92	-	10/120
93	-	10/50
95	-	10
96	-	10
97	-	10

4 000 00

4 016 76	196	1
77	-	1
78	-	1
79	-	1
4 018 44	196	2/20
45	-	2/20
50	-	5/20
51	-	2/50
53	-	2/40
55	-	2/12
56	-	1/20
57	-	1/20
61	-	1
62	-	1
63	-	1
64	-	1
71	-	1
72	-	1

Cat.Nos	Page N°	Pack
4 018 73	196	1
74	-	1
4 020 24	042	1/24
25	-	1/24
26	-	1/24
27	-	1/24
28	-	1/24
29	-	1/24
30	-	1/24
32	-	1/24
33	-	1/24
34	-	1/24
36	-	1/24
37	-	1/24
38	-	1/24
62	-	1/12
63	-	1/12
64	-	1/12
66	-	1/12
67	-	1/12
68	-	1/12
70	-	1/12
71	-	1/12
72	-	1/12
74	-	1/12
75	-	1/12
76	-	1/12
4 030 00	044	1/24
01	-	1/24
02	-	1/24
04	-	1
05	-	1
06	-	1
08	-	1/12
09	-	1/12
10	-	1/12
35	-	1
36	-	1
38	-	1/24
39	-	1/24
40	-	1/24
42	-	1/12
43	-	1/12
44	-	1/12
4 033 50	045	10
53	-	10
55	-	10
56	-	10
57	-	10
58	-	10
59	-	10
60	-	10
61	-	10
62	-	10
63	-	10
80	-	5
83	-	5
85	-	5
86	-	5
87	-	5
88	-	5
89	-	5
90	-	5
91	-	5
92	-	5
93	-	5
95	-	1
98	-	1
4 034 00	045	1
01	-	1
02	-	1
03	-	1
04	-	1
05	-	1
06	-	1
07	-	1
08	-	1
10	-	1
13	-	1
15	-	1
16	-	1
17	-	1
18	-	1
19	-	1

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
4 034 20	045	1
21	-	1
22	-	1
23	-	1
27	-	10
30	-	10
32	-	10
33	-	10
34	-	10
35	-	10
36	-	10
37	-	10
38	-	10
39	-	10
40	-	10
4 035 21	045	5
24	-	5
26	-	5
27	-	5
28	-	5
29	-	5
30	-	5
31	-	5
32	-	5
33	-	5
34	-	5
38	-	1
41	-	1
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1
48	-	1
49	-	1
50	-	1
51	-	1
55	-	1
58	-	1
60	-	1
61	-	1
62	-	1
63	-	1
64	-	1
65	-	1
66	-	1
67	-	1
68	-	1
74	044	10/100
75	-	10/100
76	-	10/100
77	-	10/100
78	-	10/100
79	-	10/100
80	-	10/100
81	-	10/100
82	-	10/100
84	-	5/50
85	-	5/50
86	-	5/50
87	-	5/50
88	-	5/50
89	-	5/50
90	-	5/50
4 036 04	044	5/50
05	-	5/50
06	-	5/50
07	-	5/50
08	-	5/50
09	-	5/50
10	-	5/50
11	-	5/50
12	-	5/50
14	-	1/20
15	-	1/20
16	-	1/20
17	-	1/20
18	-	1/20
19	-	1/20
20	-	1/20
21	-	1/20
22	-	1/20
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27	-	1/12

Cat.Nos	Page N°	Pack
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32	-	1/12
4 040 78	045	10
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83	-	10
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88	-	10
89	-	10
90	-	10
4 041 06	045	5
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4 042 01	045	5
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28	-	1
49	-	1
52	-	1

Cat.Nos	Page N°	Pack
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4 049 05	179	20/400
06	-	20/400
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12	-	10
14	-	10
17	-	5/50
18	-	10
20	-	10
26	-	20/200
37	-	10
38	-	50
39	-	10
40	-	3/30
41	-	10
42	-	40
43	-	10
44	-	30
45	-	10
88	-	20/200
89	-	40/2000
90	-	20/840
91	-	20/840
4 052 25	209	12
26	200	1/4
4 062 50	060	1/44
52	-	1/44
56	-	1
58	-	1/44
60	-	1/44
62	-	1/44
64	-	1
66	-	1/44
76	-	1/44
78	-	1/44
80	-	1/44
82	-	1/44
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86	-	1/33
87	-	1/6
88	061	1/4
89	-	1/4
90	-	1/4
91	-	1/4
92	-	1
93	-	1/4
95	-	1/4
4 063 03	061	2/100
04	-	2/88
05	-	1/44
06	-	1/12
07	-	10/200
10	-	1/24
11	-	1/24
12	-	1/10
13	-	3/126
14	-	1
15	-	1
16	-	1
19	-	1
20	-	1
4 064 00	047	10/100
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03	-	10/100
04	-	10/100
06	-	10/100
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32	-	10/100
34	-	10/100
36	-	10/100

Cat.Nos	Page N°	Pack
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89	-	1/30
90	-	1/30
4 065 27	047	1/24
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47	-	1/5
4 074 25	052	1/44
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37	-	1/44
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69	-	1/42
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73	-	1/42
75	-	10/100
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4 076 17	052	1/12
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26	-	1/12
27	-	1/12
28	-	1/12

Cat.Nos	Page N°	Pack
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63	-	1/48
64	-	1/48
66	-	1/48
68	-	10/100
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42	-	10/100
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44	-	1/42
45	-	1/42
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33	-	1/12
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65	-	1/44
67	-	1/44
69	-	1/44
71	-	1/44
72	-	1/44
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75	-	1/44
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29	-	1/6
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36	-	1/6
37	-	1/6

Cat.Nos	Page N°	Pack
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53	-	1/12
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4 086 00	054	1/6
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64	-	1/5
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4 088 65	054	1/44
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78	-	1/44
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42	-	1/6
43	-	1/6
44	-	1/6
45	-	1/6
46	-	1/6
47	-	1/6
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96	-	1/12
97	-	1/12
4 090 58	054	1/12
59	-	1/12
60	-	1/12
62	-	1/12
63	-	1/12

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
4 090 64	054	1/12
65	-	1/12
66	-	1/12
67	-	1/12
68	-	1/12
69	-	1/12
70	-	1/12
71	-	1/12
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11	-	1/44
12	-	10/120
13	-	1/44
14	-	10/120
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17	-	1/44
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03	-	1/6
04	-	1/6
05	-	1/6
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08	-	1/6
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4 097 52	056	1/44
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57	-	1/44
58	-	1/6

Cat.Nos	Page N°	Pack
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45	-	1/12
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Cat.Nos	Page N°	Pack
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4 101 34	057	1/6
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Cat.Nos	Page N°	Pack
4 104 86	058	1/8
99	-	1/8
4 105 00	058	1/8
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34	-	1/8
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76	-	1/9
78	-	1/6
82	-	1
83	-	1/6
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25	-	1/4
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03	-	1/24
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78	-	1/18

Cat.Nos	Page N°	Pack
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46	-	1/12
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04	048	1/24
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08	-	1/24
09	046	1
10	-	1
11	-	1
12	-	1
14	048	1/24
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17	-	1/24
19	046	1
20	-	1
21	-	1
22	-	1
24	048	1/24
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26	-	1/24
27	-	1/24
28	-	1/24
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30	-	1
31	-	1
32	-	1
37	048	1/24
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52	046	1
54	048	1/24
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59	046	1
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61	-	1
62	-	1
64	-	1
65	-	1
66	-	1
67	-	1
69	048	1/24
70	-	1/24
71	-	1/24
72	-	1/24
74	046	1
75	-	1
76	-	1
77	-	1
90	048	1/24
91	-	1/24
92	-	1/24

Cat.Nos	Page N°	Pack
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04	-	1/12
05	-	1/12
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08	-	1
09	-	1
10	-	1
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14	-	1/12
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19	-	1
20	-	1
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23	-	1/12
24	-	1/12
25	-	1/12
27	046	1
28	-	1
29	-	1
30	-	1
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62	-	1/12
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66	-	1
67	-	1
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76	-	1
77	-	1
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81	-	1/12
82	-	1/12
83	-	1/12
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85	-	1
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87	-	1
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93	-	1/12
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44	-	1/12
45	-	1/12
46	-	1/12
47	-	1/12
48	-	1/12
49	-	1/12
4 120 00	084	1/10
02	-	1/50
4 124 00	068	1/100
01	-	1/100
04	-	1/42
05	-	1/42
08	-	10/100
10	-	1/42
11	-	1/42
12	-	10/100
14	-	1/24
16	-	1/24
29	-	1/42

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
4 124 30	071	1/42
31	-	1/42
33	068	1/42
34	-	1/42
36	-	1/42
37	-	1/42
39	-	1/42
4 125 03	071	1/42
05	-	1/42
09	-	1/24
10	-	1/24
14	070	1/42
15	-	1/24
16	-	1/24
17	-	1/24
18	-	1/20
19	-	1/20
21	071	4/48
23	-	10/100
24	-	1/42
27	-	1/24
33	-	1/24
35	-	5/50
36	-	1/24
41	-	1/20
44	070	4/48
45	-	1/24
47	-	1/24
48	-	1/24
49	-	1/20
50	-	1/20
51	-	2/24
53	-	1/20
56	-	1/20
57	-	1/20
58	-	1/42
59	-	1/24
60	-	1/24
61	-	1/24
62	-	1/20
63	-	1/20
4 126 02	077	10/100
23	078	1/40
26	-	1/12
30	074	1/30
31	-	1/30
33	-	1/30
41	-	1/30
54	-	1/30
57	-	1/30
4 127 80	075	1/100
90	-	1/100
94	-	1/100
95	-	1/30
4 128 12	075	1/30
13	-	1/30
58	078	1/40
72	074	10/100
73	-	1/30
4 130 01	425	4/40
03	429	4/40
09	425	1/10
10	-	1/10
12	-	1/10
13	-	1/10
15	-	1/10
17	-	1/10
18	429	1/10
19	-	1/10
40	-	1/5
44	-	1/10
45	-	4/40
46	-	4/40
47	425	4/40
48	-	4/40
49	-	1/5
50	433	1/10
51	-	1/10
60	432	1
61	-	1
62	-	1/10
63	-	1
64	-	1

Cat.Nos	Page N°	Pack
4 130 65	432	1
66	-	1
67	-	1
68	-	1
69	-	1
70	-	1
71	-	1/20
72	433	1
73	-	1
74	-	1/10
75	432	1
91	080	1/27
92	-	1/15
93	-	1/15
96	-	1/15
98	-	1/10
4 131 05	081	1/10
06	-	1/10
07	-	1/10
08	-	1/10
4 132 05	425	1/10
4 151 60	094	1/12
61	-	1/12
62	-	1/6
63	-	1/6
64	-	1/6
65	-	1/4
66	-	1/4
67	-	1/4
68	-	1/4
69	-	1/12
70	-	1/12
71	-	1/6
72	-	1/6
73	-	1/6
74	-	1/4
75	-	1/4
76	-	1/4
77	-	1/4
78	-	1/12
79	-	1/12
80	-	1/6
81	-	1/6
82	-	1/6
83	-	1/4
84	-	1/4
85	-	1/4
86	-	1/4
87	-	1/4
88	-	1/6
89	-	1/4
90	-	1/4
91	-	1/4
92	-	1/4
93	-	1/4
94	-	1/4
4 160 80	170	1
81	-	1
84	-	1
86	-	1
89	-	1
90	-	1
91	-	1
94	-	1
96	-	1
99	-	1
4 161 00	170	1
01	-	1
04	-	1
06	-	1
09	-	1
10	-	1
11	-	1
14	-	1
16	-	1
19	-	1
20	-	1
21	-	1
24	-	1
26	-	1
29	-	1
30	-	1
31	-	1
34	-	1
36	-	1
39	-	1
40	171	1
41	-	1
46	-	1
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61	-	1
66	-	1
69	-	1
70	-	1
71	-	1
76	-	1
79	-	1
80	-	1
86	-	1
89	-	1
90	-	1
96	-	1
99	-	1
4 163 06	171	1
09	-	1
16	-	1
19	-	1
26	-	1
29	-	1
36	-	1
39	-	1
46	-	1
49	-	1
56	-	1

Cat.Nos	Page N°	Pack
4 163 59	171	1
4 164 26	173	1
36	-	1
46	-	1
56	-	1
66	-	1
76	-	1
86	-	1
96	-	1
4 165 06	173	1
16	-	1
26	-	1
91	172	1
92	-	1
93	-	1
94	-	1
95	-	1
96	-	1
97	-	1
98	-	1
4 166 40	172	1
41	-	1
42	-	1
43	-	1
44	-	1
45	-	1
46	-	1
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85	-	1
86	-	1
87	-	1
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89	-	1
90	-	1
4 167 03	172	1
04	-	1
05	-	1
06	-	1
07	-	1
08	-	1
09	-	1
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25	-	1
26	-	1
27	-	1
28	-	1
29	-	1
30	-	1
31	-	1
43	-	1
44	-	1
45	-	1

Cat.Nos	Page N°	Pack
4 167 46	172	1
47	-	1
48	-	1
49	-	1
50	-	1
51	-	1
60	-	1
61	-	1
62	-	1
63	-	1
64	-	1
65	-	1
70	-	1
71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
80	173	1
81	-	1
82	-	1
83	-	1
84	-	1
86	-	1
87	-	1
88	-	1
89	-	1
90	-	1
91	-	1
92	-	1
93	-	1
94	-	1
95	-	1
4 168 00	175	1
01	-	1
04	-	1
06	-	1
09	-	1
10	-	1
11	-	1
14	-	1
16	-	1
19	-	1
20	-	1
21	-	1
24	-	1
26	-	1
29	-	1
40	174	1
41	-	1
42	-	1
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1
49	-	1
50	-	1
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83	-	1
84	-	1
85	-	1
87	-	1
88	-	1
89	-	1
90	-	1
91	-	1
92	173	1
93	-	1
94	-	1

Cat.Nos	Page N°	Pack
4 168 95	174	1
96	-	1
97	-	1
98	-	1
4 173 00	164	1
01	-	1
02	-	1
03	-	1
04	-	1
05	-	1
06	-	1
07	-	1
08	-	1
09	-	1
10	-	1
11	-	1
12	-	1
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73	-	1
74	-	1
75	-	1
76	-	1
77	-	1
78	-	1
79	-	1
4 174 00	165	1
01	-	1
02	-	1
03	-	1
04	-	1
05	-	1
06	-	1
07	-	1
10	-	1
11	-	1
12	-	1
13	-	1
20	-	1
21	-	1

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
4 174 22	165	1
23	-	1
30	-	1
31	-	1
32	-	1
33	-	1
48	-	1
49	-	1
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53	-	1
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56	-	1
57	-	1
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64	-	1
65	-	1
71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
77	-	1
79	-	1
80	-	1
81	-	1
4 191 33	041	12
34	-	12
35	-	12
36	-	12
37	-	12
38	-	12
39	-	12
40	-	12
41	-	12
42	-	12
55	-	6
56	-	6
57	-	6
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66	-	4
67	-	4
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69	-	4
70	-	4
71	-	4
72	-	4
73	-	4
74	-	4
75	-	4
99	-	12
4 192 00	041	12
01	-	12
02	-	12
03	-	12
04	-	12
05	-	12
06	-	12
07	-	12
08	-	12
21	-	6
22	-	6
23	-	6
24	-	6
25	-	6
26	-	6
27	-	6
28	-	6
29	-	6
30	-	6
32	-	4
33	-	4

Cat.Nos	Page N°	Pack
4 192 34	041	4
35	-	4
36	-	4
37	-	4
38	-	4
39	-	4
40	-	4
41	-	4
4 196 61	040	12
62	-	12
64	-	12
65	-	12
66	-	12
67	-	12
68	-	12
69	-	12
70	-	12
94	-	6
95	-	6
97	-	6
98	-	6
99	-	6
4 197 00	040	6
01	-	6
02	-	6
03	-	6
05	-	4
06	-	4
08	-	4
09	-	4
10	-	4
11	-	4
12	-	4
13	-	4
14	-	4
38	-	3
39	-	3
41	-	3
42	-	3
43	-	3
44	-	3
45	-	3
46	-	3
47	-	3
4 198 37	040	12
38	-	12
40	-	12
41	-	12
42	-	12
43	-	12
44	-	12
45	-	12
46	-	12
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82	-	4
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85	-	4
86	-	4
87	-	4
88	-	4
89	-	4
90	-	4
4 199 14	040	3
15	-	3
17	-	3
18	-	3
19	-	3
20	-	3
21	-	3
22	-	3
23	-	3
4 200 00	120	1
01	-	1
02	-	1

Cat.Nos	Page N°	Pack
4 200 03	120	1
04	-	1
05	-	1
06	-	1
07	-	1
10	-	1
11	-	1
12	-	1
13	-	1
14	-	1
15	-	1
16	-	1
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97	-	1
4 201 10	120	1
11	-	1
12	-	1
13	-	1
14	-	1
15	-	1
16	-	1
17	-	1
20	-	1
21	-	1
22	-	1
23	-	1
24	-	1
25	-	1
26	-	1
27	-	1
30	-	1
31	-	1
32	-	1
33	-	1
34	-	1
35	-	1
36	-	1
37	-	1
50	-	1
51	-	1

Cat.Nos	Page N°	Pack
4 201 52	120	1
53	-	1
54	-	1
55	-	1
56	-	1
57	-	1
97	151	1
98	-	1
99	-	1
4 202 05	122	1
07	-	1
08	-	1
09	-	1
15	-	1
17	-	1
18	-	1
19	-	1
25	-	1
27	-	1
28	-	1
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75	-	1
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79	-	1
85	-	1
87	-	1
88	-	1
89	-	1
98	151	1
99	-	1
4 203 00	151	1
02	123	1
05	-	1
07	-	1
09	-	1
12	-	1
15	-	1
17	-	1
19	-	1
22	-	1
25	-	1
27	-	1
29	-	1
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65	-	1
67	-	1
69	-	1
72	-	1
75	-	1
77	-	1
79	-	1
82	-	1
85	-	1
87	-	1
89	-	1

Cat.Nos	Page N°	Pack
4 204 02	124	1
05	-	1
07	-	1
09	-	1
12	-	1
15	-	1
17	-	1
19	-	1
22	-	1
25	-	1
27	-	1
29	-	1
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42	-	1
45	-	1
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4 205 02	125	1
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07	-	1
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45	-	1
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4 206 05	122	1
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38	-	1
39	-	1
45	-	1
47	-	1
48	-	1
49	-	1
55	-	1
57	-	1
58	-	1
59	-	1
65	124	1
67	-	1

Cat.Nos	Page N°	Pack
4 206 68	124	1
69	-	1
75	-	1
77	-	1
78	-	1
79	-	1
85	-	1
87	-	1
88	-	1
89	-	1
92	125	1
95	-	1
97	-	1
99	-	1
4 207 02	125	1
05	-	1
07	-	1
09	-	1
4 210 00	126	1/5
01	-	1/5
02	-	1/5
03	-	1/5
04	-	1
05	-	1
06	-	1/12
07	-	1/12
08	-	1/3
09	-	1/3
10	-	1/12
11	-	1/12
12	-	1/12
13	-	1/12
14	-	1/12
15	-	1/12
16	-	1/12
17	-	1/12
18	-	1/12
19	-	1/12
20	-	1/12
21	-	1/12
22	-	1/12
23	-	1/12
24	-	1/12
25	-	1/12
26	121	1/2
27	-	1/2
28	-	1/12
29	-	1/12
30	125	1/8
31	-	1/8
32	121	1/8
33	-	1/8
34	125	1/8
35	-	1/8
36	121	1/6
37	-	1/6
38	125	1/6
39	-	1/6
40	121	1
41	-	1
42	125	1
43	-	1
44	121	1/5
45	-	1/10
46	-	1/10
47	-	1/10
48	126	1/8
49	-	1/12
50	121	1/4
51	-	1/5
52	125	1/5
53	-	1/3
54	121	1/4
55	-	1/5
56	125	1/5
57	-	1/3
58	126	1
59	-	1/2
60	-	1
61	-	1/4
62	-	1/12
63	-	1/12
64	-	1/12
65	-	1/12
66	-	1/12
67	-	1/12

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
4 210 68	121	1/8
69	125	1/8
70	121	1/2
71	-	1/5
72	125	1/16
73	121	1/5
74	125	1/16
75	126	1/6
79	125	1/12
80	-	1/12
83	138	1/3
93	121	1
94	-	1/12
4 220 00	128	1
01	-	1
02	-	1
03	-	1
04	-	1
05	-	1
06	-	1
07	-	1
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64	-	1
65	-	1
66	-	1
67	-	1
68	-	1
69	-	1
70	-	1
71	-	1
72	-	1
73	-	1

Cat.Nos	Page N°	Pack
4 220 74	130	1
75	-	1
76	-	1
77	-	1
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79	-	1
80	-	1
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82	-	1
83	-	1
84	-	1
85	-	1
86	-	1
87	-	1
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93	-	1
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4 221 00	130	1
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60	-	1

Cat.Nos	Page N°	Pack
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63	-	1
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66	-	1
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94	-	1
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97	-	1
98	-	1
99	-	1
4 222 00	131	1
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02	-	1
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12	-	1
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16	151	1
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20	132	1
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40	-	1
41	-	1
42	-	1
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1
48	-	1
49	-	1
51	134	1

Cat.Nos	Page N°	Pack
4 222 52	134	1
53	-	1
54	-	1
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57	-	1
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93	-	1
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96	-	1
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99	135	1
4 223 00	135	1
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55	-	1
56	-	1
57	-	1

Cat.Nos	Page N°	Pack
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62	-	1
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66	-	1
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62	-	1
63	-	1
64	-	1
65	-	1
67	-	1
68	-	1

Cat.Nos	Page N°	Pack
4 224 69	136	1
70	-	1
71	-	1
73	-	1
74	-	1
75	-	1
76	-	1
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79	-	1
80	-	1
81	-	1
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86	-	1
87	-	1
88	-	1
90	151	1
91	-	1
92	-	1
93	-	1
94	-	1
95	-	1
96	-	1
97	-	1
98	129	1
99	-	1
4 225 00	129	1
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39	134	1
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60	-	1
61	-	1
63	-	1
64	-	1
65	-	1

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
4 225 66	134	1
67	-	1
69	-	1
70	-	1
71	-	1
72	-	1
73	-	1
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77	-	1
78	-	1
81	-	1
82	-	1
83	-	1
84	-	1
86	137	1
87	-	1
88	-	1
89	-	1
90	-	1
91	-	1
92	-	1
93	-	1
94	-	1
4 305 00	638	1/12
01	-	1/10
02	-	1/10
04	-	1/4
05	-	1/12
06	-	1/6
07	-	1/4
08	-	1/4
09	-	1/10
12	-	1/12
14	-	1/12
15	-	1
17	-	1
20	-	1
21	639	1
22	-	1
23	-	1
24	-	1
25	-	1
30	640	1/12
31	-	1/12
32	-	1/12
33	-	1/12
34	-	1/10
35	-	1/24
36	-	1/10
37	-	1/6
38	-	1/12
39	-	1/24
40	638	1/12
41	-	1
42	-	1
43	-	1
44	-	1
70	646	1
71	-	1
72	-	1
73	-	1
74	-	1/6
75	640	1/10
78	644	1
80	640	1/20
81	-	1/20
82	-	1/20
84	644	1/14
85	-	1/14
86	640	1/6
87	-	1/10
88	-	1
89	-	1
91	-	1/8
92	-	1/15
93	-	1/24
94	639	1
95	-	1
96	-	1
97	-	1
98	-	1
99	-	1/10
4 306 00	640	1/24
01	-	1/24
02	-	1/20
03	639	1
04	646	1/10

Cat.Nos	Page N°	Pack
4 306 20	645	5/100
21	641	10/20
24	645	1/6
25	-	1/6
26	-	1
30	642	1/5
32	-	1/5
35	-	1
36	-	1/8
37	-	1/5
38	-	1/5
40	-	1/12
42	-	1
44	-	1
45	-	1/5
51	643	1
52	-	1
60	-	1/5
61	-	1/6
62	-	1/5
73	645	1
83	-	1
84	-	1
87	-	10/100
90	-	1
91	644	1
92	-	1
93	-	1
4 307 50	636	1
51	-	1
53	641	1
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4 311 00	152	1
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29	-	1
30	-	1
31	-	1
32	-	1
33	-	1
40	153	1/10
41	-	1/**20**
42	-	1/**10**
43	-	1/**5**
44	-	1/**2**
45	-	1/**20**
46	-	1/**20**
47	-	1/20
48	-	1/**5**
49	-	1/**2**
50	-	1/10
51	-	1/**10**
52	-	1/**10**
53	-	1/**10**
55	-	1/**10**
56	-	1/**10**
57	-	1/**10**
58	-	1/**10**
60	-	1/**5**
61	-	1/**5**
62	-	1/**3**
65	-	1/**5**

Cat.Nos	Page N°	Pack
4 311 66	153	1/**5**
67	-	1/**5**
70	-	1/**2**
71	-	1/**2**
72	-	1/**2**
73	-	1/**2**
74	-	1/**2**
75	-	1/**2**
76	-	1/**2**
77	-	1/**2**
78	-	1/**2**
79	-	1/**2**
4 500 00	758	2
01	-	2
02	-	2
03	-	2
04	-	2
05	-	2
06	-	2
07	-	2
10	753	1
11	-	1
12	-	1
13	-	1
14	-	1

5 000 00

Cat.Nos	Page N°	Pack
5 551 04	326	10
05	-	5
06	-	5
07	-	5
08	-	10
09	-	10
10	324	5
24	326	10
25	-	5
26	-	5
27	-	5
28	-	10
29	-	10
54	-	10
55	-	5
56	-	5
57	-	5
58	-	10
59	-	10
60	324	1
84	326	10
85	-	5
86	-	5
88	-	10
89	-	10
90	324	5
5 552 14	326	10
15	-	5
16	-	5
17	-	5
18	-	10
19	-	10
20	324	1
34	326	10
35	-	5
36	-	5
37	-	5
38	-	10
39	-	10
40	324	5
54	326	5
55	-	5
56	-	5
57	-	5
58	-	10
59	-	10
60	324	10
84	326	10
85	-	10
86	-	10
88	-	5
89	-	5
90	324	5
5 553 04	328	5
05	-	5
06	-	5

Cat.Nos	Page N°	Pack
5 553 08	328	5
09	-	5
24	-	5
25	-	5
26	-	5
28	-	5
29	-	5
54	-	5
55	-	5
56	-	5
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59	-	5
84	-	5
85	-	5
86	-	5
88	-	5
89	-	5
91	-	5
5 554 14	328	5
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86	-	5
88	-	5
89	-	5
91	-	5
5 720 00	363	10/100
01	-	10/100
02	-	10/100
03	-	10/100
04	360	10/100
05	-	10/100
06	-	10/100
08	-	5/40
09	-	10/100
10	-	10/100
11	-	10/100
13	-	5/40
14	-	5/40
15	363	5/50
16	-	5/50
20	371	10/100
21	-	10/100
22	-	1/10
23	378	1
24	697	1
25	-	1
26	-	1
27	-	1
30	363	10/100
31	-	10/100
32	-	10/100
33	-	10/100
34	360	10/100
35	-	10/100
36	-	5/50
37	-	5/50
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43	-	10/100
44	-	10/100
46	-	10/100
47	-	10/100
48	-	10/100
49	-	10/100
51	362	1/10
54	398	5/50
55	367	1/20
56	363	5/50

Cat.Nos	Page N°	Pack
5 720 57	398	5/40
67	399	5/40
71	372	10/100
73	-	1
74	399	5/50
78	372	5/50
80	367	5/30
81	-	5/20
82	-	5/20
83	693	1/10
87	367	5/30
88	-	5/30
89	382	1/30
90	-	1/10
91	381	1/10
92	382	1
93	-	1/10
94	378	1/10
96	381	1/10
97	-	1/10
5 721 00	371	10/100
01	-	10/100
02	-	10/100
03	-	10/100
04	370	10/100
05	-	10/100
10	-	10/100
11	-	10/100
12	371	10/100
13	-	10/100
14	-	10/100
15	-	10/100
16	370	10/100
17	-	10/100
18	-	10/100
19	-	10/100
21	371	10/100
22	-	10/100
23	370	10/100
24	371	10/100
30	370	5/50
31	371	5/50
32	370	5/50
33	-	5/50
34	-	5/50
35	-	5/50
40	369	10/60
41	-	5/30
43	-	10/60
44	-	10/60
45	-	5/30
46	-	5/30
47	-	5/50
49	-	5/30
50	-	5/30
51	-	5/30
53	397	1/10
55	-	1/10
57	369	10/60
63	374	10/100
70	-	10/100
71	-	10/100
72	-	10/100
5 722 01	368	5/40
02	-	5/40
03	-	1/20
04	398	10/100
06	397	1/20
07	398	10/100
08	399	10/100
11	364	1/10
13	-	1/20
15	368	5/50
17	-	1/10
18	-	1/10
19	-	10/100
20	-	10/100
21	366	1/20
22	-	1/12
23	-	10/100
24	398	5/50
25	-	5/50
26	366	1/20
27	367	1/20
30	397	1/20
35	395	1/20

Cat.Nos	Page N°	Pack
5 722 36	395	1/20
38	364	1/20
39	-	1/20
40	365	1/10
41	364	1/12
45	398	1/20
46	397	1/20
47	398	10/100
48	399	10/100
50	623	1/10
51	622	1/10
52	-	1/10
53	397	1/20
54	625	1
55	626	1
59	397	10/50
63	368	1/10
70	379	10/100
72	382	1/20
73	-	1/20
74	381	1/20
75	378	1/20
76	382	1/20
77	379	1/20
78	381	1/20
79	-	1/20
80	379	10/100
81	381	1/20
82	-	1/20
83	379	1/20
84	-	1/20
85	381	1/50
88	-	1/20
89	-	1/50
5 723 00	374	10/100
01	-	5/40
02	375	10/100
03	-	10/100
04	-	10/100
06	-	10/100
07	383	10/100
10	374	10/100
12	-	10/100
13	-	10/100
14	375	10/100
15	-	10/100
16	-	10/100
17	-	10/100
19	383	10/100
20	-	10/100
21	-	5/50
22	375	10/100
23	-	10/100
24	-	10/100
30	376	10/100
31	-	10/100
32	-	10/100
33	-	10/100
35	-	10/100
36	-	10/100
37	378	10/100
38	-	10/100
39	375	1/20
41	383	10/100
42	-	10/100
43	-	5/50
49	375	10/100
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55	-	10/100
57	-	5/50
58	-	10/100
59	-	10/100
60	368	1/12
61	-	1/12
62	367	1/20
63	-	1/20
70	381	1/10
76	377	1/10
77	-	1/10
90	384	10/50
92	-	5/**2**
96	-	2/10

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
5 724 50	360	10/100
51	-	5/40
52	366	10/100
53	-	10/100
54	-	10/100
55	-	10/100
56	-	10/100
57	-	10/100
60	370	10/100
61	371	10/100
62	370	10/100
63	-	10/100
65	371	5/50
66	-	10/100
67	370	5/50
70	382	1/10
72	-	1
73	-	1/10
74	378	1/10
76	381	1/10
78	-	1/10
83	372	1
88	-	5/50
5 725 00	363	10/100
01	-	5/50
02	-	10/100
03	-	5/50
04	360	10/100
05	-	10/100
06	-	10/100
08	-	5/40
09	-	10/100
10	-	10/100
11	-	5/50
13	-	5/40
14	-	5/40
15	363	5/50
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20	371	10/100
21	-	10/100
22	-	1/10
30	363	10/100
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32	-	5/50
33	-	10/100
34	360	10/100
35	-	10/100
36	-	5/50
37	-	5/50
38	-	10/100
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41	-	10/100
42	-	5/50
43	-	10/100
44	-	10/100
46	-	10/100
47	-	10/100
48	-	10/100
49	-	10/100
51	362	1/10
54	398	5/50
56	363	5/50
57	398	5/40
67	399	5/40
71	372	10/100
73	-	1
74	399	5/50
78	372	1/20
80	367	5/30
81	-	5/20
82	-	5/20
87	-	5/30
90	382	1
91	381	1/10
92	382	1/10
93	-	1/10
94	378	1/10
96	381	1/10
97	-	1/10
5 726 00	371	10/100
01	-	10/100
03	-	10/100
04	370	10/100
05	-	10/100
10	-	10/100
11	-	10/100

Cat.Nos	Page N°	Pack
5 726 12	371	10/100
13	-	10/100
14	-	10/100
16	370	10/100
17	-	10/100
18	-	10/100
19	-	10/100
21	371	10/100
22	-	10/100
23	370	10/100
24	371	10/100
30	370	5/50
31	371	5/50
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45	-	5/30
46	-	5/30
47	-	5/50
49	-	5/30
50	-	5/30
51	-	5/30
53	397	1/10
55	-	1/10
57	369	10/60
63	374	10/100
70	-	10/100
71	-	10/100
72	-	10/100
5 727 01	368	5/40
02	-	5/40
03	-	1/**1**
04	398	5/50
11	364	1/10
13	-	1/20
15	368	5/50
17	-	1/10
18	-	1/10
19	-	10/100
20	-	10/100
22	398	5/50
23	399	5/50
24	398	5/50
25	399	5/50
26	366	1/20
27	367	1/20
30	397	1/20
35	395	1/20
36	-	1/20
38	364	1/20
39	-	1/20
40	365	1/10
41	364	1/12
50	623	1/10
51	622	1/10
52	-	1/10
53	397	1/20
59	-	10/50
63	368	1/**10**
70	379	10/100
72	382	1/20
73	-	1/20
74	381	1/20
75	378	1/20
76	382	1/20
77	379	1/20
78	381	1/20
79	-	1/20
80	379	10/100
81	381	1/20
82	-	1/20
83	379	1/20
84	-	1/20
85	381	1/45
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89	-	1/50
5 728 00	374	10/100
01	-	5/40
02	375	10/100
03	-	10/100
04	-	10/100
06	-	10/100

Cat.Nos	Page N°	Pack
5 728 10	374	10/100
12	-	10/100
13	-	10/100
14	375	10/100
15	-	10/100
16	-	10/100
17	-	10/100
18	378	10/100
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33	-	10/100
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37	378	10/100
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59	-	10/100
76	377	1/10
77	-	1/10
84	693	1/10
5 730 00	363	10/100
01	-	10/100
02	-	10/100
10	361	10/100
11	-	10/100
12	-	10/100
13	-	10/100
14	-	10/100
15	-	10/100
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17	-	5/50
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31	-	5/40
32	-	5/40
33	-	5/40
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52	-	5/50
53	-	10/100
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72	-	5/50
73	-	10/100
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76	-	10/100
77	-	5/50
78	-	10/100
80	363	5/50
86	383	10/100
96	-	5/50
5 731 00	363	10/100
01	-	10/100
02	-	10/100
10	361	10/100
11	-	10/100
12	-	10/100

Cat.Nos	Page N°	Pack
5 731 13	361	10/100
14	-	10/100
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17	-	5/50
18	-	5/50
20	-	10/100
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32	-	5/40
33	-	5/40
50	363	10/100
51	-	5/50
52	-	5/50
53	-	5/50
60	361	10/100
61	-	10/100
62	-	5/50
63	-	5/50
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72	-	5/50
73	-	10/100
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76	-	10/100
77	-	5/50
78	-	10/100
80	363	5/50
86	383	10/100
96	-	5/50
5 732 19	368	10/100
20	-	10/100
22	398	10/100
23	399	10/100
24	398	10/100
25	399	10/100
34	398	10/100
35	399	10/100
36	398	10/100
37	399	10/100
72	382	1/20
73	-	1/20
74	378	1/20
84	398	10/100
85	399	10/100
86	398	10/100
87	399	10/100
94	398	5/50
95	399	5/50
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97	399	5/50
5 733 74	378	1/10
78	381	1/10
82	398	5/50
83	399	5/50
84	398	5/50
85	399	5/50
93	372	1
98	-	1/20
5 734 55	362	1/10
93	-	1/20
5 735 01	364	1/10
02	396	1/20
03	-	1/20
04	-	1
05	-	1
12	-	1
13	-	1
44	403	1/10
45	-	1/10
46	-	1/10
47	-	1/10
48	-	1/10
49	-	1/10
50	406	1/10
51	404	1/20

Cat.Nos	Page N°	Pack
5 735 90	382	1/10
92	-	1
93	-	1/10
96	381	1/10
5 736 55	362	1/10
5 737 01	364	1/10
16	410	1
17	-	1
19	368	10/100
20	-	10/100
22	398	10/100
23	399	10/100
24	398	10/100
25	399	10/100
34	398	10/100
35	399	10/100
36	398	10/100
37	399	10/100
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73	-	1/20
74	378	1/20
84	398	10/100
85	399	10/100
86	398	10/100
87	399	10/100
90	404	1/20
91	-	1/20
92	-	1/10
93	-	1/10
94	398	5/50
95	399	5/50
96	398	5/50
97	399	5/50
5 738 58	405	1/10
60	-	1/10
62	-	1/10
64	-	1/10
66	-	1/10
70	404	1/20
82	398	5/50
83	399	5/50
84	398	5/50
85	399	5/50
5 739 00	410	1/12
01	-	1/12
02	-	1/3
03	-	1/3
04	409	1
05	-	1
06	-	1
07	-	1
12	-	1
13	-	1
18	414	1
19	-	1
20	-	1/12
21	-	1/12
22	-	1/12
23	-	1/12
24	-	1/12
25	-	1/12
26	418	1/3
27	-	1/3
28	-	1
29	-	1
30	-	1
32	419	1/24
33	-	1/24
34	416	1
35	-	1
36	-	1/12
37	-	1/12
38	-	1/12
39	-	1/12
40	-	1/12
41	-	1/12
44	-	1/12
45	-	1/12
46	-	1
47	-	1
48	-	1/12
49	-	1/12
50	422	1
51	-	1

Cat.Nos	Page N°	Pack
5 739 52	422	1/3
53	-	1/3
58	421	1
77	418	1/4
78	-	1
81	-	1
82	-	1/9
84	417	1/4
85	420	1/3
88	419	1/3
90	-	1/4
91	420	1/3
96	411	1/12
97	-	1/4
98	419	1/28
99	-	1
5 740 00	362	1/10
01	-	1/10
02	-	1/10
03	-	1/10
07	364	1/10
11	422	1/10
31	595	1/30
34	366	1/30
44	419	1/24
45	-	5/20
46	412	1/30
47	366	1/30
48	412	1/30
49	366	1/30
50	362	1/10
51	-	1/10
52	-	1/10
53	-	1/10
57	364	1/10
81	366	1/30
82	-	1/20
84	367	1/20
89	395	1
91	-	1
92	-	1/15
94	366	1/30
96	412	1/30
97	366	1/30
98	412	1/30
99	366	1/30
5 742 03	396	1/20
5 743 00	362	1/10
01	-	1/10
02	-	1/10
03	-	1/10
05	365	1/10
07	-	1/10
11	422	1/10
18	365	1/20
19	-	1/20
38	-	1/20
39	-	1/20
46	395	5/60
47	-	5/60
48	-	5/60
49	-	5/60
50	362	1/10
51	-	1/10
52	-	1/10
53	-	1/10
55	365	1/10
57	-	1/10
94	395	2/48
95	-	2/48
96	-	2/48
97	-	2/48
5 744 04	396	1/20
64	408	5/120
65	-	5/120
66	-	5/60
67	-	5/60
68	-	5/120
69	-	5/120
70	-	5/60
71	-	5/60
72	-	5/60
73	-	5/60
74	-	5/120

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
5 744 75	408	5/120
76	-	5/60
77	-	5/60
78	-	5/120
79	-	5/120
80	-	5/60
81	-	5/60
82	-	5/120
83	-	5/120
84	-	5/60
85	-	5/60
86	-	5/120
87	-	5/120
88	-	5/60
89	-	5/60
90	-	5/120
91	-	5/120
92	-	5/120
93	-	5/120
94	-	5/60
95	-	5/60
5 745 03	410	1/3
04	-	1/3
05	408	5/120
06	-	5/120
07	-	5/120
08	-	5/120
09	-	5/120
10	-	5/120
11	-	5/120
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33	-	5/60
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35	-	5/60
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37	-	5/60
38	-	5/60
39	-	5/60
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41	-	5/60
42	-	5/60
43	-	5/60
44	-	5/60
45	-	5/120
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47	-	5/120
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55	402	5/50
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57	-	5/50
58	-	5/50
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62	-	5/50
63	-	5/50
64	-	5/50
65	-	5/50
66	-	5/50
67	-	5/50
68	-	5/50
69	-	5/50
70	-	5/50
71	-	5/50
72	-	5/50
73	-	5/50
74	-	5/50

Cat.Nos	Page N°	Pack
5 745 75	402	5/50
76	-	5/50
77	-	5/50
78	-	5/50
79	-	5/50
80	-	5/50
81	-	5/50
82	-	5/50
83	-	5/50
84	-	5/50
85	-	5/50
86	-	5/50
89	395	1
91	-	1
92	-	1/15
96	402	5/50
97	-	5/50
5 750 10	388	10/120
11	-	5/50
12	-	5/50
20	392	5/50
21	-	5/50
22	-	5/50
23	393	1/30
24	-	1/30
25	-	1/30
26	-	1/30
30	388	5/50
31	-	5/50
32	-	5/50
33	389	1/30
34	-	1/30
35	-	1/30
36	-	1/30
40	388	5/50
41	-	5/50
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43	389	1/10
44	-	1/10
45	-	1/10
46	-	1/10
50	392	5/25
51	-	5/25
52	-	5/25
53	393	1/20
54	-	1/20
56	-	1/20
60	392	2/16
61	-	2/10
62	-	2/16
70	386	5/50
71	-	5/50
72	-	5/60
73	387	1/30
74	-	1/30
75	-	1/30
76	-	1/30
80	386	5/50
81	-	5/50
82	-	5/50
83	387	1/30
84	-	1/30
85	-	1/30
86	-	1/30
90	386	10/100
91	-	10/100
92	-	10/100
93	387	1/40
94	-	1/40
95	-	1/40
96	-	1/40
5 751 00	386	10/120
01	-	10/120
02	-	10/120
03	387	1/30
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05	-	1/30
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20	386	5/50
21	-	5/100
22	-	5/100
23	387	1/40
24	-	1/40
26	-	1/40
30	383	5/50
31	-	5/20

Cat.Nos	Page N°	Pack
5 751 32	383	5/50
40	-	5/60
41	-	5/50
42	-	5/60
50	386	5/50
60	-	5/50
61	-	5/100
62	-	5/100
63	387	1/40
64	-	1/40
65	-	1/40
66	-	1/40
90	384	5/25
5 752 00	386	10/180
01	-	10/180
02	-	10/180
03	387	1/40
04	-	1/40
05	-	1/40
06	-	1/40
10	386	10/180
11	-	10/180
12	-	10/180
13	387	1/40
14	-	1/40
15	-	1/40
16	-	1/40
20	388	10/120
21	-	10/120
22	-	10/120
30	-	10/120
31	-	10/120
32	-	10/120
40	390	10/120
41	-	10/120
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44	-	1/40
45	-	1/40
46	-	1/40
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52	-	10/120
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56	-	1/40
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61	-	5/35
62	-	5/35
63	391	1/40
64	-	1/40
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74	-	1/40
75	-	1/40
76	-	1/40
80	390	5/35
81	-	5/35
82	-	5/35
83	391	1/20
84	-	1/40
85	-	1/20
86	-	1/40
90	390	5/35
91	-	5/35
92	-	5/35
93	391	1/40
94	-	1/40
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5 753 00	390	5/35
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04	-	1/40
06	-	1/40
60	383	5/35
61	-	5/35
62	-	5/35
70	386	5/30
71	-	5/30
72	-	5/30

Cat.Nos	Page N°	Pack
5 753 73	387	1/10
74	-	1/10
75	-	1/10
76	-	1/10
90	386	2/10
91	-	2/10
92	-	2/10
5 754 00	386	2/8
01	-	2/10
02	-	2/8
10	383	10/120
11	-	10/120
12	-	10/120
50	384	10/100
60	-	5/30
70	-	10/100
80	-	5/50
5 755 00	388	10/60
01	-	5/50
02	-	5/50
10	-	5/60
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14	-	1/30
16	-	1/30
20	388	5/30
21	-	5/30
22	-	5/30
23	389	1/10
24	-	1/20
26	-	1/20
40	386	5/60
41	-	5/60
42	-	5/60
43	387	1/30
44	-	1/30
45	-	1/10
46	-	1/10
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53	387	1/30
54	-	1/30
56	-	1/30
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61	-	5/50
62	-	5/100
63	387	1/40
64	-	1/40
65	-	1/40
66	-	1/40
5 756 00	392	10/120
01	-	5/20
02	-	5/20
03	393	1/40
04	-	1/40
05	-	1/20
06	-	1/40
10	386	10/180
11	-	10/180
12	-	10/180
13	387	1/40
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30	390	10/120
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34	-	1/40
35	-	1/40
36	-	1/40
40	390	5/40
41	-	5/40
42	-	5/40
43	391	1/20
44	-	1/30
46	-	1/40
50	390	10/60
51	-	10/120

Cat.Nos	Page N°	Pack
5 756 52	390	10/120
53	389	1/40
54	-	1/40
55	-	1/40
56	-	1/40
60	390	5/40
61	-	5/40
62	-	5/40
63	391	1/20
64	-	1/20
65	-	1/20
66	-	1/20
70	390	5/40
71	-	5/40
72	-	5/40
73	391	1/40
74	-	1/20
76	-	1/40
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03	387	1/40
04	-	1/40
05	-	1/40
06	-	1/40
07	-	1/40
08	386	5/50
09	387	1/40
10	-	1/40
11	386	1/40
12	-	1/40
13	387	1/40
14	-	1/40
15	-	1/40
16	-	1/40
17	-	1/40
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50	-	1/10
51	386	1/30
52	-	1/30
53	387	1/10
54	-	1/10
55	-	1/30
56	-	1/30
57	-	1/10

Cat.Nos	Page N°	Pack
5 761 58	386	5/60
59	387	1/10
60	-	1/30
61	386	1/30
62	-	1/30
63	387	1/10
64	-	1/30
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67	-	1/30
68	386	5/60
69	387	1/30
70	-	1/40
71	386	1/40
72	-	1/40
73	387	1/20
74	-	1/20
75	-	1/40
76	-	1/40
77	-	1/20
78	386	5/50
79	387	1/40
80	-	1/40
81	386	1/40
82	-	1/40
83	387	1/20
84	-	1/40
85	-	1/40
86	-	1/40
87	-	1/40
88	386	1/40
89	387	1/40
90	-	1/40
91	386	1/40
92	-	1/40
95	387	1/40
96	-	1/40
98	386	1/40
5 762 00	387	1/30
01	386	1/30
02	-	1/30
03	387	1/30
04	-	1/30
05	-	1/30
06	-	1/30
07	-	1/30
08	386	1/40
09	387	1/30
10	-	1/40
11	386	1/40
12	-	1/40
13	387	1/40
14	-	1/40
15	-	1/40
16	-	1/40
17	-	1/40
18	386	1/40
19	387	1/40
20	393	1/40
21	392	1/20
22	-	1/40
23	393	1/20
24	-	1/20
25	-	1/40
26	-	1/40
27	-	1/20
28	392	5/50
29	393	1/20
30	-	1/40
31	392	1/40
32	-	1/40
33	393	1/20
34	-	1/20
35	-	1/40
36	-	1/20
37	-	1/20
38	392	5/20
39	393	1/20
40	-	1/40
41	392	1/20
42	-	1/40
43	393	1/40
44	-	1/20
45	-	1/40
46	-	1/40
47	-	1/40
48	392	5/20

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
5 762 49	393	1/40
50	389	1/30
51	388	1/30
52	-	1/30
55	389	1/30
56	-	1/10
57	393	1/10
58	388	5/60
59	393	1/10
60	-	1/30
61	392	1/30
62	-	1/30
63	393	1/10
64	-	1/30
65	-	1/30
66	-	1/10
67	-	1/30
68	392	5/60
69	393	1/10
70	389	1/30
71	388	1/30
72	-	1/30
75	389	1/30
76	-	1/30
78	388	5/50
79	389	1/30
80	-	1/10
81	388	1/10
82	-	1/10
85	389	1/10
86	-	1/10
88	388	5/50
5 763 70	387	1/10
71	386	1/10
72	-	1/10
73	387	1/10
74	-	1/10
75	-	1/10
76	-	1/10
77	-	1/10
78	386	1/5
79	387	1/5
5 764 10	389	1/40
11	388	1/40
12	-	1/40
13	389	1/40
14	-	1/10
15	-	1/40
16	-	1/10
17	-	1/10
18	388	1/40
19	389	1/10
20	-	1/40
21	388	1/40
22	-	1/40
23	389	1/40
24	-	1/40
25	-	1/40
26	-	1/40
27	-	1/10
28	388	1/40
29	389	1/40
30	-	1/40
31	388	1/40
32	-	1/40
33	389	1/40
34	-	1/40
35	-	1/40
36	-	1/40
37	-	1/40
38	388	1/40
39	389	1/40
40	-	1/40
41	388	1/40
42	-	1/40
43	389	1/40
44	-	1/40
45	-	1/40
46	-	1/40
47	-	1/10
48	388	5/50
49	389	1/40
50	-	1/40
51	388	1/40
52	-	1/40
53	389	1/40

Cat.Nos	Page N°	Pack
5 764 54	289	1/40
55	-	1/40
56	-	1/40
57	-	1/40
58	388	1/40
59	389	1/40
83	391	1/40
84	-	1/40
86	-	1/40
87	-	1/20
5 765 23	391	1/4
24	-	1/6
40	392	10/180
41	-	10/180
52	-	10/180
53	393	1/40
54	-	1/40
55	-	1/40
56	-	1/40
60	392	10/180
61	-	10/180
62	-	10/180
63	393	1/40
64	-	1/40
65	-	1/40
66	-	1/40
5 766 10	391	1/20
11	390	1/20
12	-	1/20
13	391	1/40
14	-	1/20
15	-	1/20
16	-	1/20
17	-	1/20
18	390	1/20
19	391	1/40
20	-	1/40
21	390	1/40
22	-	1/40
23	391	1/20
24	-	1/20
25	-	1/40
26	-	1/20
27	-	1/20
28	390	1/30
29	391	1/20
30	-	1/20
31	390	1/20
32	-	1/20
33	391	1/20
34	-	1/20
35	-	1/40
36	-	1/20
37	-	1/20
38	390	1/20
39	391	1/20
40	-	1/40
41	390	1/20
42	-	1/20
43	391	1/20
44	-	1/20
45	-	1/40
46	-	1/20
47	-	1/20
48	390	1/20
49	391	1/20
51	390	1/40
52	-	1/40
55	391	1/20
56	-	1/40
58	390	1/20
61	-	1/40
62	-	1/20
65	391	1/20
66	-	1/40
68	390	1/20
70	391	1/40
71	390	1/40
72	-	1/40
75	391	1/40
76	-	1/20
78	390	1/20
80	386	5/25
81	-	5/25
82	-	5/25
83	387	1/5

Cat.Nos	Page N°	Pack
5 766 84	387	1/5
86	-	1/10
91	386	1/5
92	-	1/10
95	387	1/10
96	-	1/10
98	386	1/5
5 767 00	386	5/30
01	-	5/30
02	-	5/25
03	387	1/10
04	-	1/10
05	-	1/10
06	-	1/10
10	-	1/10
11	386	1/10
12	-	1/10
13	387	1/5
14	-	1/5
15	-	1/10
16	-	1/10
17	-	1/5
18	386	1/5
19	387	1/5
20	390	10/120
21	-	10/120
22	-	10/120
23	391	1/10
24	-	1/40
25	-	1/10
26	-	1/40
30	-	1/40
31	390	1/10
32	-	1/40
33	391	1/10
34	-	1/10
35	-	1/40
36	-	1/10
37	-	1/10
38	390	1/40
39	391	1/10
40	386	5/25
41	-	5/25
42	-	5/25
43	387	1/5
44	-	1/5
46	-	1/5
51	386	1/5
52	-	1/5
55	387	1/5
56	-	1/5
58	386	1/5

6 000 00

Cat.Nos	Page N°	Pack
6 010 42	193	1
44	-	1
46	-	1
6 011 10	191	1/12
11	-	1/12
12	-	1/6
13	-	1/5
14	-	1/3
6 012 05	194	1/10
06	-	1/10
07	-	1/8
08	-	1/4
09	-	1
15	-	1/10
16	-	1/10
17	-	1/8
18	-	1/4
19	-	1
26	-	1/10
27	-	1/8
28	-	1/4
29	-	1
40	-	1/10
41	-	1/10
42	-	1
43	-	1
44	-	1
90	-	10/100
91	-	10/50

Cat.Nos	Page N°	Pack
6 012 92	194	10/50
93	-	10/50
6 018 31	240	1
32	-	1
33	-	1
35	-	1
36	-	1
37	-	1
38	-	1
6 019 32	240	6
94	-	6
96	-	6
98	-	6
6 024 50	197	1
51	-	1
52	-	1
53	-	1
54	-	1
55	-	1
56	-	1
57	-	1
58	-	1
59	-	1
60	-	1
61	-	1
62	-	1
63	-	1
64	-	1
70	-	1
71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
77	-	1
78	-	1
79	-	1
80	-	1
81	-	1
82	-	1
83	-	1
84	-	1
90	-	1
91	-	1
92	-	1
93	-	1
94	-	20
6 027 20	197	1
21	-	1
22	-	1
23	-	1
24	-	1
25	-	1
26	-	1
27	-	1
40	-	1
41	-	1
42	-	1
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1
95	-	5
96	-	1
97	-	1
98	-	5
6 037 70	076	1/30
71	-	1/30
72	-	1/30
73	-	1/30
78	-	1/30
79	-	1/30
6 038 00	767	1
01	-	1
02	-	1
03	-	1
05	-	1
07	-	36
09	-	1
11	766	24

Cat.Nos	Page N°	Pack
6 038 13	766	12
17	-	24
19	-	10/50
22	-	10/40
24	-	8/32
28	-	10/40
30	-	8/32
34	-	10/40
36	-	4/16
40	-	10/100
42	-	10/100
47	-	32
57	-	10/100
58	-	10/100
59	-	5/50
6 040 77	073	12/72
78	-	12/72
79	-	12/72
6 064 10	050	1/15
11	-	1/15
12	-	1/15
13	-	1/15
14	-	1/15
15	-	1/15
6 075 61	192	1
62	-	1
68	-	1
6 133 49	498	10/100
50	-	8/48
51	-	4/24
6 170 00	494	10/90
01	-	10/90
02	-	10/90
03	-	10/90
04	-	10/90
05	-	10/90
06	-	10/90
07	-	10/90
09	-	10/90
11	-	10/90
12	496	1/50
13	-	10/90
14	-	10/90
19	-	1/50
20	494	10/70
21	-	10/70
22	-	10/70
23	-	10/70
30	495	1/50
31	-	1/50
32	-	1/30
33	-	1/50
40	497	10/90
41	-	10/90
42	-	10/90
43	-	10/90
45	-	5/45
46	-	5/45
47	-	5/45
48	-	5/45
49	-	5/45
50	-	10/50
51	-	10/50
52	-	10/50
53	-	5/45
54	-	10/60
55	-	10/50
56	-	10/50
60	-	10/60
61	-	10/50
62	-	10/60
63	-	10/60
65	-	10/60
67	-	10/60
68	496	1/10
70	495	10/90
71	-	10/90
72	-	10/90
74	-	10/60
75	-	10/60
76	-	10/60
77	-	5/30
78	-	5/30

Cat.Nos	Page N°	Pack
6 170 80	497	10/90
81	-	10/90
82	-	10/90
85	498	10/60
86	-	10/50
90	496	10/70
91	-	10/70
92	-	10/70
94	-	10
95	-	10/60
96	-	10/60
97	-	10/70
98	-	10/70
99	-	10/60
6 171 00	494	10/90
01	-	10/90
02	-	10/90
03	-	10/90
04	-	10/90
05	-	10/90
06	-	10/90
07	-	10/90
08	-	10/90
09	-	10/60
10	-	5/45
11	-	10/90
15	-	5/150
16	-	5/150
20	496	10/90
21	-	10/100
23	-	10/90
27	-	10
28	498	10/100
29	-	5/150
30	-	100/5000
31	-	2/20
32	-	10/150
41	497	10/60
46	-	5/30
50	498	5/250
51	-	5/250
52	-	5/150
53	-	5/150
55	-	5/250
56	-	5/250
57	-	5/150
58	-	5/150
6 208 16	759	5/25
17	-	5/25
26	-	5/25
27	-	5/25
6 327 79	670	20/20
6 339 00	706	1/8
6 340 51	572	2000
52	-	1500
6 360 95	299	32
96	-	40
6 361 00	299	60
01	-	56
02	-	56
03	-	40
05	-	56
06	-	48
07	-	48
08	-	40
09	-	24
11	-	32
12	-	32
13	-	32
14	-	24
15	-	24
16	-	24
17	-	24
18	-	20
19	-	24
20	-	24
21	-	16
22	-	16
23	-	12
24	-	16
25	-	16

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
6 361 78	300	25/150
83	-	25/50
6 362 00	299	60
01	-	56
02	-	56
06	-	48
07	-	48
08	-	40
12	-	32
13	-	32
17	-	24
25	-	16
6 373 58	766	32
6 380 00	737	10/100
6 381 00	740	154
01	-	10/500
02	-	10/500
03	-	10/500
04	-	10/500
05	-	10/500
06	-	10/500
09	-	80
10	-	150
11	-	10/500
12	-	10/500
13	-	10/500
14	-	10/500
15	-	10/500
16	-	10/500
19	-	50
20	-	96
21	-	10/500
22	-	10/500
23	-	10/500
24	-	10/500
25	-	10/500
26	-	10/500
29	-	42
30	-	70
31	-	10/500
32	-	10/500
33	-	5/250
34	-	5/250
35	-	10/500
36	-	10/500
39	-	66
40	741	80
41	-	10/100
42	-	5/250
43	-	10/100
44	-	10/100
45	-	10/500
46	-	10/500
49	-	36
50	-	60
51	-	10/100
52	-	10/100
53	-	10/100
54	-	10/100
55	-	10/500
56	-	10/500
59	-	60
60	-	40
61	-	10/100
62	-	10/100
63	-	10/100
64	-	5/50
65	-	5/250
66	-	5/250
68	-	40
70	-	32
71	-	10/100
72	-	5/50
73	-	5/50
74	-	5/50
75	-	5/250
76	-	5/250
80	-	24
81	-	5/50
82	-	5/50
83	-	5/50
84	-	5/50
85	-	10/100
86	-	10/100

Cat.Nos	Page N°	Pack
6 430 21	649	1
23	-	1
65	-	1/10
71	-	1/10
72	-	1/10
75	-	1
6 463 37	708	1
40	-	1
41	-	1
42	-	1
50	-	1
54	-	1
62	-	1
66	-	1
68	-	1
69	-	1
70	-	1
71	-	1
72	-	1
73	-	1
80	-	1
83	-	1
6 464 00	708	1
01	-	1
02	-	1
03	-	1
04	-	1
20	709	1
21	-	1
25	-	1
30	-	1
31	-	1
50	708	1
51	-	1
52	-	1
53	-	1
54	-	1
55	-	1
60	-	1
62	-	1
63	-	1
64	-	1
65	-	1
66	-	1
71	-	1
72	-	1
74	-	1
75	-	1
76	-	1
80	-	1
81	-	1
84	-	1
85	-	1
86	-	1
87	-	1
88	-	1
89	-	1
6 465 01	709	1
02	-	1
05	-	1
06	-	1
07	-	1
08	-	1
09	-	1
10	-	1
20	-	1
21	-	1
50	-	1/10
51	-	1/10
55	-	1/10
56	-	1/10
60	-	1/10
61	-	1/10
6 499 14	076	1/10
6 500 13	574	20/400
15	-	20/400
6 503 31	777	10
90	-	1/20
6 510 16	564	100
20	-	100
25	-	100
32	-	50
40	-	50
50	-	50

Cat.Nos	Page N°	Pack
6 512 16	564	100
20	-	100
25	-	100
32	-	50
40	-	50
50	-	50
63	-	25
6 514 16	568	30
20	-	30
25	-	30
32	-	15
6 516 01	568	100/500
02	-	100/500
03	-	50/250
04	-	25/125
08	-	100/500
09	-	50/250
11	-	50/250
12	-	50/250
13	-	25/125
18	-	50/250
19	-	25/125
20	-	25/125
26	-	20/100
27	-	10
28	-	25
32	-	1/10
33	-	1
34	-	1
36	-	1/5
6 535 30	780	1/5
31	-	1/5
50	-	1/5
51	-	1/10
52	-	1/5
53	-	1/5
70	781	1/5
72	-	1/5
74	-	1
75	-	1
77	-	1
6 571 06	328	1
6 607 80	737	1/5
81	-	1/5
82	-	1/5
83	-	1
84	-	1/4
85	-	1/4
86	-	1
87	-	1
88	-	1
89	-	1
90	-	1/4
91	-	1
92	-	1
6 608 65	616	5/200
66	-	5/200
67	-	5/200
69	-	5/200
74	-	5/200
75	-	5/200
76	-	5/200
6 609 61	617	1
62	-	1
63	-	1
64	-	1
66	-	1
67	-	1
69	-	1
70	-	1
71	-	1
72	-	1
6 611 60	606	1/4
80	-	1/4
90	-	1/4
6 612 81	606	1/12
92	-	1/4
93	-	1/4
94	-	1/4

Cat.Nos	Page N°	Pack
6 612 96	606	1/4
99	-	1/10
6 614 01	612	1/8
02	-	1/8
03	-	1/8
04	-	1/8
23	-	1/8
24	-	1/8
31	-	1/8
34	-	1/8
40	-	1/8
6 615 01	615	1/4
02	-	1/4
11	-	1/4
12	-	1/4
21	-	1/4
23	-	1/4
25	-	1/4
35	-	1/4
36	-	1/4
37	-	1/4
41	611	1/6
43	-	1/6
45	-	1/6
6 616 01	609	1/10
02	-	1/10
03	-	1/10
05	-	1/10
06	-	1/10
07	-	1/10
10	-	1/10
20	608	1/10
21	-	1/10
22	-	1/10
31	-	1/10
32	-	1/10
33	-	1/10
34	-	1/10
40	-	1/10
50	-	1/10
51	-	1/10
54	-	1/10
55	-	1/10
58	-	1
59	-	1
62	-	1
63	-	1
64	-	1/10
65	-	1/5
70	616	5
71	-	5
72	-	5
80	-	5
88	-	5
90	-	5
91	-	5
6 617 01	609	1/10
02	-	1/10
05	-	1/10
06	-	1/10
07	-	1/10
09	-	1/10
10	-	1/10
11	-	1/10
12	-	1/10
13	-	1/10
20	-	10
6 618 00	606	5/50
01	-	5/50
02	-	5/50
03	-	5/50
40	-	5/50
50	-	5/50
51	-	5/50
6 621 60	606	1/4
80	-	1/4
90	-	1/4
6 624 01	612	1/8
02	-	1/8
03	-	1/8

Cat.Nos	Page N°	Pack
6 624 04	612	1/8
23	-	1/8
24	-	1/8
31	-	1
33	-	1
34	-	1
40	-	1
6 625 01	615	1/4
02	-	1/4
06	-	1/4
07	-	1/4
21	-	1/4
23	-	1/4
25	-	1/4
43	611	1/6
45	-	1/6
60	-	1
61	-	1
6 626 03	609	1/10
06	-	1/10
07	-	1/10
10	-	1/10
31	608	1/10
33	-	1/10
34	-	1/10
40	-	1/10
6 627 02	609	1/**10**
05	-	1/**10**
06	-	1/**10**
07	-	1/10
09	-	1/10
14	-	1/**10**
15	-	1/**10**
6 643 01	443	1
15	-	10/100
35	446	1
6 645 00	449	20/200
03	443	10/100
06	449	20/200
07	-	20/200
20	-	20/200
22	-	20/200
23	-	10/120
27	-	20/200
29	-	5/**20**
38	-	5/**20**
39	-	20/200
40	-	20/200
41	446	10
42	449	10/100
43	445	10
44	449	10/100
52	450	20/120
53	-	20/120
54	-	5/**20**
55	-	20/120
61	447	10/100
62	-	10/100
64	-	10/100
65	-	10/100
69	450	20/120
71	-	20/120
96	449	1
6 646 00	449	20/200
03	443	10/100
06	449	20/200
07	-	20/200
20	-	20/200
22	-	20/200
23	-	10/120
27	-	20/200
29	-	5/**20**
38	-	5/**20**
39	-	20/200
40	-	5/**20**
41	446	10
42	449	10/100
43	445	10
44	449	10/15
52	450	20/120
53	-	20/120
54	-	20/120

Cat.Nos	Page N°	Pack
6 646 55	450	20/120
61	447	10/100
62	-	10/100
64	-	10/100
65	-	10/100
69	450	20/120
71	-	20/120
96	449	1
6 647 01	443	10/100
02	-	10/100
04	-	10/100
05	-	1/100
08	-	10/100
09	-	10/100
09	-	10/100
10	-	10/100
11	445	10/100
13	443	1/20
14	-	1/20
15	-	10/100
16	-	10/100
21	-	10/100
25	-	10/100
26	-	10/100
31	445	10/100
32	-	10/100
34	-	10/100
35	446	10/100
45	-	10/50
46	445	10/50
47	-	10/100
48	446	10/100
50	447	10/100
51	-	10/100
60	-	10/100
63	-	10/100
68	446	10/100
69	-	10/100
70	-	10/100
75	-	10/100
77	-	10/100
79	447	10/100
91	445	10/100
93	-	1/20
95	446	10/50
98	447	10/50
99	-	5/30
6 648 01	443	10/100
02	-	10/100
04	-	10/100
05	-	1/100
08	-	10/100
09	-	10/100
09	-	10/100
10	-	10/100
11	445	10/100
13	443	1/20
14	-	1/20
16	-	1/100
21	-	10/100
25	-	10/100
31	445	10/100
32	-	10/100
34	-	10/100
35	446	10/100
45	-	10/50
46	445	10/50
47	-	10/100
48	446	10/100
50	447	10/100
51	-	10/100
60	-	10/100
63	-	10/100
68	446	10/100
69	-	10/100
70	-	10/100
75	-	10/100
77	-	10/100
79	447	10/100
91	445	10/100
93	-	1/20
95	446	10/50
98	447	10/50
99	-	5/30

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
6 650 00	447	10/100
01	451	20/200
02	-	10/100
03	-	5/50
04	-	1/40
05	-	1/40
10	447	10/100
11	451	20/200
12	-	10/100
13	-	5/50
14	-	1/40
15	-	1/40
21	-	10/200
22	-	10/100
23	-	5/50
24	-	1/40
25	-	1/40
31	-	10/200
32	-	10/100
33	-	5/50
34	-	1/40
35	-	1/40
90	447	10/400
91	-	10/400
92	-	10/400
98	450	100
99	447	100/2000
6 651 01	444	1/20
02	-	1/20
03	-	1/20
11	-	1/20
12	-	1/20
14	-	1/20
17	-	1/20
18	-	1/20
19	-	1
95	446	10/100
96	-	10/100
6 652 14	444	1
17	-	1/20
18	-	1/20
95	446	10/100
6 771 37	798	10/100
38	-	10/100
6 805 30	490	10/50
31	-	10/50
41	-	10/50
42	-	10/50
43	-	10/50
44	-	10/30
49	-	10/20
6 806 01	489	1/10
02	-	1/10
03	-	1/10
04	-	1/5
06	-	5
08	-	5
09	-	5
11	-	1/10
12	-	1/10
13	-	1/10
14	-	1/5
19	-	1/5
32	-	1/20
33	-	1/20
34	-	1/7
35	-	1/7
6 826 01	490	10/50
16	-	10/40
31	-	5/20
46	-	5/20
70	489	1/2
71	-	1/5
73	491	1/5
76	-	5/25
78	-	5/15
6 827 21	485	1/24
22	-	1/24
23	-	1/12
26	488	1/12
27	485	1/24

Cat.Nos	Page N°	Pack
6 827 34	485	1/24
36	486	1/12
40	484	10/60
44	486	1/24
45	485	1/24
46	486	1/24
48	485	1/24
49	-	1/24
50	-	1/24
54	-	1/24
59	487	10/40
60	484	5/40
61	-	5/20
62	-	5/120
63	-	5/120
64	-	5/120
69	-	50/200
70	-	10/80
74	486	10/40
77	-	10/40
79	487	1/24
80	-	1/24
81	-	10/40
82	-	1/24
83	-	1/12
87	-	1/40
98	488	1/12
6 828 75	486	5/20
6 829 00	488	1/24
01	-	1/24
02	-	1/24
03	-	1/24
04	-	1/24
05	-	1/24
06	-	1/24
07	-	1/12
08	-	1/12
09	-	1/12
10	-	1/24
13	484	100/400
17	488	1/12
18	486	5/20
31	-	10/100
6 830 00	485	1/24
01	-	1/24
05	486	10/40
07	-	10/40
10	-	10/40
11	484	10/80
12	488	1
13	487	1/24
17	484	10/120
18	-	5/120
26	-	10/240
33	487	10/40
36	-	10/40
38	-	10/30
76	484	10/60
77	-	10/60
78	-	10/60
79	485	10/60
80	486	10/60
81	-	10/60
6 831 54	485	5/20
59	417	1
6 845 53	555	1/20
54	-	1/20
56	-	1/20
60	-	1/20
70	-	1/20
85	-	1/20
6 846 02	555	1/20
03	-	1/20
04	-	1/20
11	-	1/20
19	-	1/10
20	-	1/10
22	-	1/10
28	-	1/10
36	-	1/10
38	-	1/10
45	-	1/10

Cat.Nos	Page N°	Pack
6 856 00	490	1/36
01	-	10/40
02	-	1/28
03	-	1/28
15	-	1/36
16	-	1/36
17	-	1/28
18	-	1/28
20	491	1/36
21	-	1/36
22	-	1/28
23	-	1/28
30	-	1/36
31	-	1/36
32	-	1/28
33	-	1/28
35	-	1/36
36	-	1/36
37	-	1/28
38	-	1/28
40	490	10/50
41	-	10/40
42	-	5/20
43	-	5/20
50	-	1/36
51	-	10/40
52	-	1/28
53	-	1/28
55	-	1/36
56	-	10/40
57	-	1/28
58	-	1/28
65	491	1/36
66	-	10/40
67	-	1/28
68	-	1/28
95	-	1/36
96	-	10/40
97	-	1/28
98	-	1/28
6 857 15	491	1/36
16	-	10/40
17	-	1/28
18	-	1/28
20	-	1/36
21	-	10/40
22	-	1/28
23	-	1/28
45	-	1/36
46	-	10/40
47	-	1/28
48	-	1/28
55	-	1/36
56	-	10/40
57	-	1/28
58	-	1/28
70	-	1/36
71	-	10/40
72	-	1/28
73	-	1/28
75	490	1/36
76	-	1/36
77	-	1/28
82	-	1/28
99	-	1/36
6 858 00	490	10/40
01	-	1/28
02	-	1/28
04	-	1/36
05	-	10/40
06	-	1/28
07	-	1/28
14	-	10/50
15	-	10/40
16	-	5/20
17	-	5/20
18	-	1/36
19	-	1/36
20	-	1/28
21	-	1/28
26	-	1/36
27	-	1/36
28	-	1/28
29	-	1/28
30	491	1/36
31	-	1/36

Cat.Nos	Page N°	Pack
6 858 32	491	1/28
33	-	1/28
34	-	1/36
35	-	1/36
36	-	1/28
37	-	1/28
38	-	1/36
39	-	1/36
40	-	1/28
41	-	1/28
46	-	1/36
47	-	1/36
48	-	1/28
49	-	1/28
6 870 01	484	10/60
02	-	10/60
03	-	10/60
04	-	10/60
05	485	10/60
06	-	1/24
07	486	1/24
08	485	1/24
09	-	1/24
10	-	1/24
11	-	1/24
12	-	1/24
13	486	10/60
14	485	1/24
15	486	1/24
16	-	10/40
17	-	1/12
18	485	1/24
24	488	1/8
25	487	1/40
30	-	10/40
31	-	1/24
32	-	1/24
33	-	1/24
34	-	1/12
35	-	1/24
36	-	10/40
40	486	10/40
41	-	10/40
42	488	1/24
43	-	1/24
44	-	1/24
45	-	1/24
46	-	1/12
48	-	1/24
50	484	50/200
51	488	1/24
52	-	1/24
53	484	10/80
54	488	1/24
55	-	1/12
56	-	1/12
57	-	1/12
58	484	10/120
59	-	100/400
60	-	5/120
61	-	5/120
62	-	5/120
63	-	5/120
67	-	5/40
68	-	5/20
69	486	10/40
72	491	1/5
73	-	5/25
74	-	5/15
80	486	10/60
82	487	10/40
85	-	10/40
87	-	10/30
6 873 17	488	1/12
21	485	1/24
22	-	1/24
23	-	1/12
27	-	1/24
6 890 28	384	1/10
36	-	1/20
38	-	1/20
6 896 30	774	5
31	-	5
34	-	1

Cat.Nos	Page N°	Pack
6 896 39	774	1
40	-	5
41	-	5
45	-	1
49	-	1
51	775	1
52	-	1
55	-	1
56	-	1
60	774	4/20
73	-	12/48
74	-	12/48
77	-	12/48
78	-	4/16
6 915 06	580	1/10
6 946 14	577	1/5
21	578	5
22	-	5
24	576	5
26	578	5
27	-	5
29	576	5
34	-	5
36	578	5
37	-	5
39	576	5
41	578	5
43	-	5
46	-	5
47	-	5
48	-	5
51	-	5
56	-	5
64	577	1/**5**
66	-	1/**5**
70	574	1/8
71	-	1/**8**
6 950 01	578	10
02	-	10
03	-	10
04	576	10
06	578	10
07	-	10
08	-	10
09	576	10
14	-	10
16	578	10
17	-	10
18	-	10
19	576	10
6 998 11	076	1/10
12	-	1/10

7 000 00

Cat.Nos	Page N°	Pack
7 300 00	517	10/60
01	-	10/60
02	-	10/60
03	-	10/60
04	-	5/30
05	-	10/60
06	-	5/30
07	-	5/60
08	-	10/60
09	-	10/60
10	518	10/60
11	517	5/60
12	518	10/60
19	521	10/60
20	518	5/30
21	-	5/30
22	-	10/60
23	-	10/60
24	517	10/60
26	521	5/30
28	-	5/30
29	-	5/30
32	-	10/60
33	-	10/60
36	-	10/60
37	-	10/60
40	518	10/60
41	-	1/40

Cat.Nos	Page N°	Pack
7 300 42	518	10/60
43	-	1/40
49	517	1/22
50	518	10/60
51	-	10/60
53	521	10/120
54	518	10/60
56	-	1/40
57	-	1/40
58	521	10/400
59	520	10/60
60	519	10/60
61	-	10/60
64	-	10/60
65	-	10/60
66	-	10/60
67	-	10/60
68	520	10/60
69	-	10/60
70	519	5/30
71	-	5/30
74	-	5/30
75	-	5/30
76	-	5/30
77	-	5/30
80	520	10/60
81	-	10/60
82	-	10/60
83	-	10/60
84	-	10/60
85	-	5/60
86	-	5/30
88	-	10/60
89	-	10/60
90	-	1/22
91	516	10/120
92	-	10/120
93	-	10/60
94	-	10/60
95	521	10/120
96	-	10/60
99	518	10/150
7 301 00	518	10/90
07	517	5/60
10	518	10/60
12	-	10/60
20	-	5/30
22	-	10/60
24	517	10/60
30	-	10/60
31	-	10/60
32	-	10/60
33	-	10/60
34	-	10/60
35	-	10/60
40	518	10/60
44	-	10/60
45	-	10/60
50	517	1/20
56	-	1/40
57	-	1/40
58	521	10/400
61	519	5/30
62	-	10/60
80	542	10/400
81	-	10/220
82	543	10/60
83	-	10/60
84	-	1/40
85	-	1/40
86	-	1/25
87	-	1/25
88	516	10/60
90	-	1/25
91	542	10/200
92	-	10/200
93	-	10/100
94	-	10/100
7 310 00	522	1/40
01	-	1/40
02	-	1/40
03	-	1/40
04	-	1/22
05	-	1/40
07	-	1/40
09	523	1/40

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
7 310 10	523	1/40
12	-	1/40
16	-	1/40
19	527	1/40
23	523	1/40
26	527	1/40
29	-	1/22
30	526	1/40
31	-	1/40
32	-	1/40
33	-	1/40
34	-	1/40
35	-	1/40
37	-	1/40
40	524	1/40
41	-	1/40
50	-	1/40
51	-	1/40
52	527	1/40
54	524	1/40
56	-	1/40
57	-	1/40
60	525	1/40
61	-	1/40
65	-	1/40
68	-	1/40
69	-	1/40
70	-	1/22
71	-	1/22
75	-	1/22
85	-	1/40
86	-	1/22
89	-	1/40
90	527	1/22
91	516	1/40
92	-	1/40
93	-	1/22
94	-	1/22
95	527	1/40
96	-	1/22
7 311 31	522	1/40
32	-	1/40
56	523	1/40
57	-	1/40
82	543	1/40
83	-	1/40
91	542	1/35
92	-	1/35
93	-	1/20
94	-	1/20
7 312 00	522	1/40
01	-	1/40
02	-	1/40
03	-	1/40
04	-	1/22
05	-	1/40
07	-	1/40
09	523	1/40
10	-	1/40
12	-	1/40
16	-	1/40
19	527	1/40
23	523	1/40
26	527	1/40
29	-	1/22
30	526	1/40
31	-	1/40
32	-	1/40
33	-	1/40
34	-	1/40
35	-	1/40
37	-	1/40
40	524	1/40
41	-	1/40
50	-	1/40
51	-	1/40
52	527	1/40
54	524	1/40
56	-	1/40
57	-	1/40
60	525	1/40
61	-	1/40
65	-	1/40
68	-	1/40
69	-	1/40
70	-	1/22

Cat.Nos	Page N°	Pack
7 312 71	525	1/22
75	-	1/22
85	-	1/40
86	-	1/22
89	-	1/40
90	527	1/22
91	516	1/40
92	-	1/40
93	-	1/22
94	-	1/22
95	527	1/40
96	-	1/22
7 313 31	522	1/40
32	-	1/40
56	523	1/40
57	-	1/40
82	543	1/40
83	-	1/40
91	542	1/35
92	-	1/35
93	-	1/20
94	-	1/20
7 330 00	528	1/40
01	-	1/40
02	-	1/40
03	-	1/40
04	-	1/40
05	-	1/40
07	-	1/40
09	-	1/40
10	529	1/40
12	-	1/40
16	-	1/40
19	533	1/40
21	529	1/22
22	-	1/40
23	-	1/40
26	533	1/40
29	532	1/22
30	-	1/40
31	-	1/40
32	-	1/40
33	-	1/40
34	-	1/40
35	-	1/40
37	-	1/40
40	530	1/40
41	-	1/40
43	-	1/40
50	-	1/40
51	-	1/40
52	533	1/40
54	530	1/40
56	-	1/40
57	-	1/40
59	531	1/40
60	-	1/40
61	-	1/40
65	-	1/40
68	-	1/40
69	-	1/40
70	-	1/22
71	-	1/22
74	-	1/22
75	-	1/22
85	-	1/40
86	-	1/22
89	-	1/40
90	533	1/22
91	516	1/40
92	-	1/40
93	-	1/22
94	-	1/22
95	533	1/40
96	-	1/22
97	532	1/22
98	-	1/22
7 331 31	528	1/40
32	-	1/40
33	-	1/40
56	-	1/40
57	-	1/40
80	542	1/35

Cat.Nos	Page N°	Pack
7331 81	542	1/20
82	543	1/40
83	-	1/40
84	-	1/40
85	-	1/40
86	-	1/25
87	-	1/25
88	516	1/40
90	-	1/25
91	542	1/35
92	-	1/35
93	-	1/20
94	-	1/20
7 332 00	528	1/40
01	-	1/40
02	-	1/40
03	-	1/40
04	-	1/22
05	-	1/40
07	-	1/40
09	-	1/40
10	529	1/40
12	-	1/40
16	-	1/40
19	533	1/40
21	529	1/22
22	-	1/40
23	-	1/40
26	533	1/40
29	532	1/22
30	-	1/40
31	-	1/40
32	-	1/40
33	-	1/40
34	-	1/40
35	-	1/40
37	-	1/40
40	530	1/40
41	-	1/40
42	-	1/40
43	-	1/40
50	-	1/40
51	-	1/40
52	533	1/40
54	530	1/40
56	-	1/40
57	-	1/40
59	531	1/40
60	-	1/40
61	-	1/40
65	-	1/40
68	-	1/40
69	-	1/40
70	-	1/22
71	-	1/22
74	-	1/22
75	-	1/22
85	-	1/40
86	-	1/22
89	-	1/40
90	533	1/22
91	516	1/40
92	-	1/40
93	-	1/22
94	-	1/22
95	533	1/40
96	-	1/22
97	532	1/22
98	-	1/22
7 333 31	528	1/40
32	-	1/40
56	-	1/40
57	-	1/40
80	542	1/35
81	-	1
82	543	1/40
83	-	1/40
84	-	1/40
85	-	1/40
86	-	1/25
87	-	1/25
91	542	1/35
92	-	1/35
93	-	1/20
94	-	1/20

Cat.Nos	Page N°	Pack
7 334 00	528	1/40
01	-	1/40
02	-	1/40
03	-	1/40
04	-	1/22
05	-	1/40
07	-	1/40
09	-	1
10	529	1/40
12	-	1/40
16	-	1/40
19	533	1/40
21	529	1/22
23	-	1/40
26	533	1/40
29	532	1/22
30	-	1/40
31	-	1/40
32	-	1/40
33	-	1/40
34	-	1/40
35	-	1/40
37	-	1/40
40	530	1/40
41	-	1/40
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50	-	1/40
51	-	1/40
52	533	1/40
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56	-	1/40
57	-	1/40
59	531	1/40
60	-	1/40
61	-	1/40
65	-	1/40
68	-	1
69	-	1/40
70	-	1/22
71	-	1/22
74	-	1/22
75	-	1/22
85	-	1/40
86	-	1/22
89	-	1/40
90	533	1/22
91	516	1/40
92	-	1/40
93	-	1/22
94	-	1/22
95	533	1/40
96	-	1/22
97	532	1/22
98	-	1/22
7 335 31	528	1/40
32	-	1/40
56	-	1/40
57	-	1/40
80	542	1
81	-	1
82	543	1/40
83	-	1/40
84	-	1/40
85	-	1/40
86	-	1/25
87	-	1/25
91	542	1/35
92	-	1/35
93	-	1/20
94	-	1/20
7 338 00	540	5/30
01	-	5/30
02	-	5/30
03	-	5/30
05	-	5/30
10	-	5/30
12	-	5/30
16	-	5/30
19	-	5/15
21	-	5/15
30	541	5/30
31	-	5/30
32	-	5/30
33	-	5/30
34	-	5/30
35	-	5/30

Cat.Nos	Page N°	Pack
7 338 36	541	5/30
37	-	5/30
40	540	5/30
41	-	1/40
50	-	5/30
51	-	5/30
56	-	1/40
57	-	1/40
60	541	5/30
61	-	5/30
65	-	5/30
70	-	5/30
71	-	5/30
75	-	5/30
88	-	5/30
89	-	5/30
91	516	5/30
92	-	5/30
93	-	5/30
94	-	5/30
95	540	5/100
96	-	5/110
97	541	1/22
98	-	1/22
7 339 82	543	1/40
83	-	1/40
84	-	1/40
85	-	1/40
86	-	1/25
87	-	1/25
91	542	1/35
92	-	1/35
93	-	1/20
94	-	1/20
7 341 90	539	1/40
98	-	1
99	-	1
7 342 07	535	1
10	-	1
12	-	1/40
16	-	1
19	538	1
23	535	1
26	538	1
29	-	1/22
32	-	1/40
34	-	1/40
37	-	1/40
40	536	1/40
41	-	1/40
43	-	1/40
46	535	1/40
47	-	1/40
50	536	1/40
51	-	1
52	539	1
54	536	1/40
56	-	1/40
57	-	1/40
59	537	1
60	-	1/40
61	-	1/40
65	-	1/40
69	-	1
70	-	1/22
71	-	1/22
75	-	1
89	-	1
90	538	1/10
91	516	1/40
92	-	1/40
93	-	1/22
94	-	1/22
95	539	1/40
96	-	1
7 343 31	535	1/40
32	-	1/40
33	-	1/40
34	-	1/22
82	543	1/20
83	-	1
91	542	1/16
92	-	1/16

Cat.Nos	Page N°	Pack
7 343 93	542	1/8
94	-	1/8
7 346 07	535	1/40
10	-	1/40
12	-	1/40
14	-	1/40
19	538	1/40
23	535	1/40
26	538	1
29	-	1/22
32	-	1
34	-	1/40
37	-	1/40
40	536	1/40
41	-	1/40
43	-	1/40
46	535	1/40
47	-	1/40
50	536	1/40
51	-	1/40
52	539	1/40
54	536	1/40
56	-	1/40
57	-	1/40
59	537	1/40
60	-	1/40
61	-	1/40
65	-	1/40
69	-	1/40
70	-	1/22
71	-	1/22
75	-	1/22
89	-	1/40
90	538	1/10
91	516	1/40
92	-	1/40
93	-	1/22
94	-	1/22
95	539	1/16
96	-	1/8
7 347 31	535	1/40
32	-	1/40
33	-	1/40
34	-	1/22
82	543	1/20
83	-	1/20
91	542	1/16
92	-	1/16
93	-	1/8
94	-	1/8
7 350 30	545	10/220
60	-	10/220
62	-	10/220
7 351 30	545	10/220
60	-	10/220
62	-	10/220
7 352 56	545	10/100
65	-	10/220
7 353 56	545	10/100
65	-	10/220
7 354 00	545	10/220
01	-	10/220
03	-	10/220
05	-	10/220
06	-	10/220
07	-	10/220
10	-	10/220
11	-	10/220
12	-	10/220
13	-	10/220
14	-	10/220
15	-	10/220
16	-	10/220
17	-	10/220
18	-	10/220
20	-	10/220
21	-	10/220
22	-	10/220
23	-	10/220
24	-	10/220
25	-	10/220

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
7 354 36	545	20/440
40	-	10/100
41	-	10/100
46	-	1/40
47	-	1/40
48	-	1/50
50	-	1/40
51	-	1/40
74	516	10/60
76	-	15/90
81	542	10/200
82	-	10/120
90	-	10/200
91	-	10/200
92	-	10/120
93	543	10/100
95	542	10/400
96	-	10/220
7 355 00	545	10/220
01	-	10/100
03	-	10/220
05	-	10/220
06	-	10/220
07	-	10/220
10	-	10/220
11	-	10/220
12	-	10/220
13	-	10/220
14	-	10/220
15	-	10/220
16	-	10/220
17	-	10/220
18	-	10/220
20	-	10/220
21	-	10/220
22	-	10/220
23	-	10/220
24	-	10/220
25	-	10/220
36	-	20/440
40	-	10/100
41	-	10/100
46	-	1/40
47	-	1/40
48	-	1/50
50	-	1/40
51	-	1/40
7 364 00	542	10/60
01	-	5/30
06	521	10/60
07	-	10/40
10	-	5/30
11	-	5/20
13	-	5/30
18	543	1/6
22	-	1/6
28	-	1/6
32	-	1/6
7 395 00	544	10/220
01	-	10/220
03	-	10/220
04	-	10/220
07	-	10/220
08	-	10/220
7 396 79	544	10/220
80	-	10/220
82	-	10/220
83	-	10/220
92	-	10/220
7 398 21	544	10/220
23	-	10/220
24	-	1
28	-	10/220
33	-	1
39	-	1
61	-	10/220
63	-	1
64	-	10/220
68	-	10/220
73	-	10/220
79	-	10/220

Cat.Nos	Page N°	Pack
7 700 20	465	1/100
60	454	1/10
61	-	1/10
62	-	1/10
65	461	1/10
66	-	1/10
67	-	1/10
68	-	1/10
69	-	1/10
70	-	1/10
71	-	1/10
74	454	1/10
80	456	10/100
82	457	1/10
83	-	1/10
84	-	1/10
85	-	1/10
89	454	1/10
90	458	10/100
91	454	1/10
92	452	10/100
93	454	1
97	452	10/100
98	-	10/100
99	453	10/100
7 701 00	460	5/30
01	452	10/100
02	-	10/100
03	453	10/100
04	454	1/10
05	452	10/100
06	-	10/100
07	-	10/100
08	-	10/100
10	-	10/100
11	453	10/100
12	-	10/100
13	-	10/100
14	454	1/10
15	453	10/100
16	458	10/100
19	453	1/10
20	458	10/100
21	-	10/100
22	-	10/100
23	-	10/100
24	457	10/100
25	452	10/100
26	-	10/100
27	460	5/30
28	452	10/100
29	455	10/100
30	-	10/100
31	-	10/100
32	-	10/100
33	-	10/100
34	-	10/100
35	-	10/100
36	-	10/100
37	-	10/100
38	456	10/100
39	-	10/100
41	-	1/10
42	455	10/100
45	452	10/100
46	460	10/100
47	-	10/100
48	452	10/100
49	-	10/100
50	460	10/100
51	465	10/100
52	-	10/100
53	-	2/40
54	-	1/20
55	-	1/20
56	-	10/100
57	-	2/40
80	460	10/100
91	-	5/30
94	458	5/50
96	-	10/100
97	-	10/100
7 702 03	453	10/100
04	-	10/100
05	-	10/100
10	455	10/100

Cat.Nos	Page N°	Pack
7 702 11	458	10/100
12	452	10/100
13	-	10/100
14	453	10/100
15	-	10/100
16	-	10/100
17	-	10/100
18	-	1/10
19	458	10/100
23	457	10/100
26	454	1/10
27	-	1/10
28	-	1/10
30	456	10/100
31	-	10/100
32	-	10/100
33	-	10/100
34	454	10/100
35	-	1/10
38	456	10/100
39	-	10/100
42	-	10/100
43	-	10/100
44	-	10/40
45	-	10/40
46	-	10/100
47	-	10/100
51	463	10/100
52	-	10/100
53	-	10/100
54	-	10/100
55	-	5/50
56	-	5/50
57	-	10/100
60	454	1/10
61	-	1/10
62	-	1/10
66	461	1/10
67	-	1/10
68	-	1/10
70	459	1/10
74	454	1/10
80	456	10/100
82	457	1/10
83	-	1/10
84	-	1/10
85	-	1/10
89	454	1/10
90	460	5/30
91	454	1/10
7 703 01	465	1/100
02	-	1/100
03	-	1
04	-	1/20
05	-	1/20
06	-	1/100
07	-	1
11	-	10/100
12	-	10/100
13	-	2/40
14	-	1/20
15	-	1/20
16	-	10/100
17	-	2/40
31	-	1/100
32	-	1/100
33	-	1/40
34	-	1/20
35	-	1/20
36	-	1/100
37	-	1/40
41	-	1/100
42	-	1/100
43	-	1/40
44	-	1/20
45	-	1/20
46	-	1/100
47	-	1/40
51	-	10/100
52	-	10/100
53	-	2/40
54	-	1/20
55	-	1/20
56	-	10/100
57	-	2/40
71	-	10/100
72	-	10/100

Cat.Nos	Page N°	Pack
7 703 73	465	2/40
74	-	1/20
75	-	1/20
76	-	10/100
77	-	2/40
91	-	10/100
92	-	10/100
93	-	2/40
94	-	1/20
95	-	1/20
96	-	10/100
97	-	2/40
7 704 10	455	10/100
20	465	10/100
70	459	1/10
71	465	10/100
72	-	10/100
73	-	2/40
74	-	1/20
75	-	1/20
76	-	10/100
77	-	2/40
91	-	10/100
92	-	10/100
93	-	2/40
94	-	1/20
95	-	1/20
96	-	10/100
97	-	2/40
7 710 01	482	10/100
02	-	10/100
03	-	2/20
04	483	1/20
05	-	1/20
06	482	10/100
07	-	2/20
08	483	1/20
09	-	1/20
10	476	10/100
11	-	10/100
12	-	10/100
13	482	5/50
14	-	2/20
15	-	2/20
20	474	10/100
21	-	10/100
22	-	10/100
23	-	10/100
24	472	10/100
26	474	1/10
27	-	10/100
28	-	1/10
29	472	10/100
30	-	5/50
31	-	5/50
33	-	5/50
34	475	10/100
39	472	10/100
40	-	10/100
44	-	10/100
45	-	10/100
46	-	10/100
47	481	10/100
48	472	10/100
62	-	10/100
63	-	10/100
64	-	10/100
68	477	1/40
72	480	10/100
73	-	10/100
74	478	10/100
79	476	10/100
86	477	1/40
87	-	1/40
88	-	1/40
96	474	10/50
97	-	5/25
98	-	1/10
7 711 50	474	10/100
51	-	10/100
52	-	10/100
53	-	10/100
54	-	10/100
66	477	1/40
67	-	1/40

Cat.Nos	Page N°	Pack
7 711 68	477	1/40
69	-	1/40
70	-	1/40
7 712 01	482	5/50
02	-	2/20
03	483	2/20
04	-	1/20
05	482	1/20
06	-	2/20
07	483	2/20
08	-	1/20
09	-	1/20
10	475	10/100
11	476	1/40
12	-	10/100
15	-	1/40
17	477	1/40
18	-	1/40
19	475	10/100
20	481	10/100
21	-	1/40
22	-	1/40
24	472	5/50
26	481	10/100
30	472	5/50
31	-	5/50
33	-	5/50
34	475	1/40
39	472	10/100
40	-	10/100
41	478	1/60
44	475	10/100
45	477	1/40
46	475	10/100
48	-	10/100
53	479	1/40
54	478	1/40
57	477	1/40
60	-	1/40
61	478	1/40
62	472	10/100
63	-	10/100
64	-	10/100
66	480	1/40
68	477	1/40
72	480	1/40
73	-	1/40
74	478	1/40
75	480	1/40
76	-	1/40
77	478	10/100
78	473	1/10
79	476	1/40
84	480	1/40
85	478	1/40
86	477	1/40
87	-	1/40
88	-	1/40
95	479	1/40
96	481	1/40
7 713 01	482	5/50
02	-	2/20
03	-	2/20
04	483	1/20
05	-	1/20
06	482	2/20
07	-	2/20
08	483	1/20
09	-	1/20
10	475	10/100
11	476	1/40
12	-	10/100
15	-	1/40
17	477	1/40
18	-	1/40
19	475	10/100
20	481	10/100
21	-	1/40
22	-	1/40
24	472	5/50
26	481	10/100
30	472	5/50
31	-	5/50
33	-	5/50
34	475	1/40
39	472	10/100
40	-	10/100
41	478	1/60
44	475	10/100
45	477	1/40
46	475	10/100
48	-	10/100
53	479	1/40
54	478	1/40
57	477	1/40
60	-	1/40
61	478	1/40
62	472	10/100
63	-	10/100
64	-	10/100
66	480	1/40
68	477	1/40
72	480	1/40
73	-	1/40
74	478	1/40
75	480	1/40
76	-	1/40
77	478	10/100
78	473	1/10
79	476	1/40
84	480	1/40
85	478	1/40
86	477	1/40
87	-	1/40
88	-	1/40
7 714 01	482	5/50
02	-	2/20
03	-	2/20
04	483	1/20
05	-	1/20
06	482	2/20
07	-	2/20
08	483	1/20
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10	475	10/100
11	476	1/40
12	-	10/100
15	-	1/40
17	477	1/40
18	-	1/40
19	475	10/100
20	481	10/100
21	-	1/40
22	-	1/40
24	472	5/50
26	481	10/100
30	472	5/50
31	-	5/50
33	-	5/50
34	475	1/40
39	472	10/100
40	-	10/100
41	478	1/60
44	475	10/100
45	477	1/40
46	475	10/100
48	-	10/100
53	479	1/40
54	478	1/40
57	477	1/40
60	-	1/40
61	478	1/40
62	472	10/100
63	-	10/100
64	-	10/100
66	480	1/40
68	477	1/40
72	480	1/40
73	-	1/40
74	478	1/40
75	480	1/40
76	-	1/40
77	478	10/100
78	473	1/10
79	476	1/40
84	480	1/40
85	478	1/40
86	477	1/40
87	-	1/40
88	-	1/40

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
7 714 95	479	1/40
96	481	1/40
7 715 01	482	5/50
02	-	2/20
03	-	2/20
04	483	1/20
05	-	1/20
06	482	2/20
07	-	2/20
08	483	1/20
09	-	1/20
10	475	10/100
11	476	1/40
12	-	10/100
15	-	1/40
17	477	1/40
18	-	1/40
19	475	10/100
20	481	10/100
21	-	1/40
22	-	1/40
24	472	5/50
26	481	10/100
30	472	5/50
31	-	5/50
33	-	5/50
34	475	1/40
39	472	10/100
40	-	10/100
41	478	1/40
44	475	10/100
45	477	1/40
46	475	10/100
48	-	10/100
53	479	1/40
54	478	1/40
57	477	1/40
60	-	1/40
61	478	1/40
62	472	10/100
63	-	10/100
64	-	10/100
66	480	1/40
68	477	1/40
72	480	1/40
73	-	1/40
74	478	1/40
75	480	1/40
76	-	1/40
77	478	10/100
78	473	1/10
79	476	1/40
84	480	1/40
85	478	1/40
86	477	1/40
87	-	1/40
88	-	1/40
95	479	1/40
96	481	1/40
7 719 01	482	1/25
02	-	1/20
03	-	1/15
04	483	1/20
05	-	1/20
06	482	1/20
07	-	1/15
08	483	1/20
09	-	1/20
11	482	1/25
12	-	1/20
13	-	1/15
14	483	1/20
15	-	1/20
16	482	1/20
17	-	1/15
18	483	1/20
19	-	1/20
21	482	1/25
22	-	1/20
23	-	1/15
24	483	1/20
25	-	1/20
26	482	1/20
27	-	1/15
28	483	1/20
29	-	1/20

Cat.Nos	Page N°	Pack
7 719 31	482	1/25
32	-	1/20
33	-	1/15
34	483	1/20
35	-	1/20
36	482	1/20
37	-	1/15
38	483	1/20
39	-	1/20
41	482	1/25
42	-	1/20
43	-	1/15
44	483	1/20
45	-	1/20
46	482	1/20
47	-	1/15
48	483	1/20
49	-	1/20
51	482	1/25
52	-	1/20
53	-	1/15
54	483	1/20
55	-	1/20
56	482	1/20
57	-	1/15
58	483	1/20
59	-	1/20
61	482	1/25
62	-	1/20
63	-	1/15
64	483	1/20
65	-	1/20
66	482	1/20
67	-	1/15
68	483	1/20
69	-	1/20
71	482	1/25
72	-	1/20
73	-	1/15
74	483	1/20
75	-	1/20
76	482	1/20
77	-	1/15
78	483	1/20
79	-	1/20
81	482	1/25
82	-	1/20
83	-	1/15
84	483	1/20
85	-	1/20
86	482	1/20
87	-	1/15
88	483	1/20
89	-	1/20
90	482	1/25
91	-	1/20
92	-	1/15
93	-	1/20
94	-	15
95	-	1/25
96	-	1/20
97	-	1/15
98	-	1/20
99	-	1/15
7 741 01	452	10/100
03	453	10/100
04	-	10/100
05	-	10/100
06	452	10/100
10	455	10/100
12	452	10/100
13	-	10/100
14	453	10/100
15	-	10/100
16	-	10/100
17	-	10/100
18	-	1/10
19	458	10/100
20	-	10/100
21	-	10/100
22	-	10/100
23	457	10/100
26	454	1/10
27	-	1/10
28	-	1/10
30	456	10/100
31	-	10/100

Cat.Nos	Page N°	Pack
7 741 32	456	10/100
33	-	10/100
34	454	10/100
35	-	1/10
38	456	10/100
39	-	10/100
42	-	10/100
43	-	10/100
44	-	10/40
45	-	10/40
46	-	10/100
47	-	10/100
51	465	10/100
52	-	10/100
53	-	2/40
54	-	1/20
55	-	1/20
56	-	10/100
57	-	2/40
60	454	1/10
61	-	1/10
62	-	1/10
65	461	1/10
66	-	1/10
67	-	1/10
68	-	1/10
70	459	1/10
74	454	1/10
80	456	10/100
82	457	1/10
83	-	1/10
84	-	1/10
85	-	1/10
89	454	1/10
91	-	1/10
92	452	10/100
97	-	10/100
98	-	10/100
99	453	10/100
7 742 01	452	10/100
02	460	5/50
03	453	10/100
04	-	10/100
05	-	10/100
06	452	10/100
07	460	5/50
10	-	10/100
12	452	10/100
13	-	10/100
14	453	10/100
15	-	10/100
16	-	10/100
17	-	10/100
18	-	1/10
19	458	10/100
20	-	10/100
21	-	10/100
22	-	10/100
23	-	10/100
26	454	1/10
27	-	1/10
28	-	1/10
30	456	10/100
31	-	10/100
32	-	10/100
33	-	10/100
34	454	10/100
35	-	1/10
38	456	10/100
39	-	10/100
42	-	10/100
43	-	10/100
44	-	10/40
45	-	10/40
46	-	10/100
47	-	10/100
48	460	5/50
60	458	1/10
7 743 01	452	10/100
02	-	10/100
03	453	10/100
04	454	1/10
05	452	10/100
06	-	10/100
07	-	10/100
08	-	10/100

Cat.Nos	Page N°	Pack
7 743 10	452	10/100
11	453	10/100
12	-	10/100
13	-	10/100
14	454	1/10
15	453	10/100
16	458	10/100
19	453	1/10
20	458	10/100
21	-	10/100
22	-	10/100
23	-	10/100
24	457	10/100
25	452	10/100
26	-	10/100
27	458	10/100
28	452	10/100
29	455	10/100
30	-	10/100
31	-	10/100
32	-	10/100
33	-	10/100
34	-	10/100
35	-	10/100
36	-	10/100
37	-	10/100
38	-	10/100
39	-	10/100
41	-	1/10
42	455	10/100
45	452	10/100
46	460	10/100
47	-	10/100
48	452	10/100
49	-	10/100
50	460	10/100
51	465	10/100
52	-	10/100
53	-	2/40
54	-	1/20
55	-	1/20
56	-	10/100
57	-	2/40
61	-	10/100
62	-	10/100
63	-	2/40
64	-	1/20
65	-	1/20
66	-	10/100
67	-	2/40
80	460	10/100
7 744 00	460	5/50
01	452	10/100
02	-	10/100
03	453	10/100
04	454	1/10
05	452	10/100
06	-	10/100
07	-	10/100
08	-	10/100
10	-	10/100
11	453	10/100
12	-	10/100
13	-	10/100
14	454	1/10
15	453	10/100
16	458	10/100
19	453	1/10
20	458	10/100
21	-	10/100
22	-	10/100
23	-	10/100
24	457	10/100
25	452	10/100
26	-	10/100
27	460	5/50
28	452	10/100
29	455	10/100
30	-	10/100
31	-	10/100

Cat.Nos	Page N°	Pack
7 744 32	455	10/100
33	-	10/100
34	-	10/100
35	-	10/100
36	-	10/100
37	-	10/100
38	456	10/100
39	-	10/100
41	-	1/10
42	455	10/100
45	452	10/100
46	460	10/100
47	-	10/100
48	452	10/100
49	-	10/100
50	460	10/100
51	465	10/100
52	-	10/100
53	-	2/40
54	-	1/20
55	-	1/20
56	-	10/100
57	-	2/40
61	-	10/100
62	-	10/100
63	-	2/40
64	-	1/20
65	-	1/20
66	-	10/100
67	-	2/40
80	460	10/100
7 756 00	466	10/100
01	-	10/100
02	-	10/100
04	-	10/100
05	-	10/100
06	-	10/100
08	-	10/100
09	-	10/100
52	468	1/10
53	-	1/10
54	-	1/10
55	466	1/10
56	-	1/10
57	-	1/10
61	467	1/10
62	-	1/10
80	471	10/100
81	466	10/100
83	467	1/20
84	469	1/10
85	-	1/10
86	-	1/10
87	-	1/10
88	-	1/10
89	-	1/10
90	-	1/10
91	-	1/10
92	-	1/10
93	-	1/10
94	-	1/10
95	-	1/10
96	467	1/10
97	-	1/10
98	-	1/10
99	-	1/10
7 757 09	469	1/10
10	-	1/10
11	-	1/10
12	-	1/10
17	-	1/10
18	-	1/10
46	467	1/10
49	-	1/10
50	-	1/**10**
61	470	10/100
62	-	10/100
65	-	10/100
66	-	10/100
67	-	10/40
68	-	10/40
81	-	10/100
86	471	10/100
87	-	10/100
88	-	10/100
89	-	10/100

Cat.Nos	Page N°	Pack
7 757 90	471	10/100
91	-	10/100
98	470	10/100
99	-	10/100
7 758 00	473	10/400
01	466	10/100
02	-	10/100
03	-	10/100
05	-	10/100
06	-	10/100
07	-	10/100
08	-	10/100
09	467	1/10
10	468	1/10
11	-	10/100
13	-	10/100
15	469	1/10
16	468	10/100
17	-	10/100
18	-	1/10
19	467	1/10
20	466	10/100
22	-	10/100
23	470	10/100
25	466	1/10
27	-	1/10
28	470	10/100
30	-	10/100
36	471	10/100
37	-	10/100
38	-	10/100
44	468	10/100
45	466	10/100
46	468	10/100
47	470	10/100
48	471	10/100
49	-	10/100
52	474	10/100
58	469	1/10
67	-	1/10
68	-	1/10
69	466	10/100
85	470	10/100
90	474	10/100
91	-	10/100
92	-	10/100
93	-	10/100
94	-	10/100
95	-	10/100
96	-	10/100
97	-	10/100
98	-	10/100
99	-	10/100
7 759 00	474	20/200
01	468	1/10
03	-	1/10
16	471	10/100
20	-	10/100
21	-	10/100
24	474	10/100
25	472	1/10
29	474	10/100
30	471	10/100
37	470	10/100
38	-	10/100
39	-	10/100
40	473	10/100
41	-	1/10
42	-	1/10
43	-	1/10
44	-	1/10
45	-	10/100
46	-	10/100
47	-	10/100
48	-	10/100
49	474	10/100
54	469	10/100
55	-	1/10
62	467	1/10
64	-	1/10
65	471	10/100
66	-	10/100
67	-	10/100
78	473	10/100
85	-	10/100
86	-	10/100

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Cat.Nos	Page N°	Pack
7 759 92	474	50/500
99	460	1/40
7 761 31	460	10/50
34	-	10/100
35	-	10/100
81	-	10/50
84	-	10/100
85	-	10/100
7 770 10	475	10/100
11	476	10/100
12	-	10/100
15	-	10/100
17	477	10/100
18	-	10/100
19	475	10/100
20	481	10/100
21	-	10/100
22	-	10/100
24	-	10/100
25	-	1
26	-	10/100
29	-	10/200
34	-	10/100
41	478	1/60
42	481	10/100
44	475	10/100
46	-	10/100
48	-	10/100
53	479	1/40
54	478	10/100
57	477	1/40
60	-	1/40

Cat.Nos	Page N°	Pack
7 770 61	478	1/40
66	480	10/100
75	-	10/100
76	-	10/100
78	473	10/100
79	481	10/100
84	480	10/100
85	478	10/100
95	479	10/100
96	481	10/100
7 810 45	476	10/100
50	467	1/10
59	477	1/40
7 812 25	481	1
45	476	1/40
50	467	1/10
59	477	1/40
7 813 25	481	1
45	476	1/40
50	467	1/10
59	477	1/40
7 814 25	481	1
45	476	1
50	467	1/10
59	477	1/40
7 815 25	481	1
45	476	1
50	467	1/10
59	477	1/40

Cat.Nos	Page N°	Pack
7 821 00	436	5/**50**
01	-	50
02	-	50
03	-	50
04	-	50
05	-	20/200
06	-	20/200
07	-	20/200
10	-	50
11	437	20/200
12	436	30
13	437	30
14	-	50
15	-	50
16	-	50
17	-	50
20	436	20/200
24	437	20/200
27	-	50/200
29	436	20/200
30	-	50
31	-	50
32	-	50
33	-	50
34	-	50
35	-	20/200
36	-	20/200
37	-	20/200
40	-	50
41	437	50
42	436	30
43	437	10/100
44	-	50
45	-	50

Cat.Nos	Page N°	Pack
7 821 46	437	50
47	-	50
50	436	20/200
54	437	20/200
57	-	20/200
59	436	20/200
7 823 60	441	10
61	-	1/**10**
62	-	1/**10**
63	-	1/**10**
64	-	10
65	-	1/**10**
66	-	10
71	-	5
72	-	1/**5**
73	-	10
74	-	5
75	-	1/**10**
76	-	5/50
77	-	1/**5**
79	-	5/50
80	-	10
81	-	1/**10**
82	-	1/**10**
83	-	10
84	-	1/**10**
85	-	10
86	-	10
91	-	1/**5**
92	-	5/50
93	-	1/**10**
94	-	5
95	-	10

Cat.Nos	Page N°	Pack
7 823 96	441	5
97	-	1/**5**
98	-	50
99	-	5/50
7 824 00	438	20/200
02	-	20/200
04	-	20/200
05	-	20/200
06	-	20
10	-	20/200
11	-	20/200
12	-	10/100
13	-	10/100
14	439	20/200
15	-	20/200
16	-	1/**20**
17	-	20/200
18	438	10/100
19	439	10/100
20	438	20/200
21	439	20/200
23	438	10/100
24	439	20/200
25	440	10/100
26	439	20/200
28	-	20/200
29	-	1/**10**
30	438	20/200
32	-	1/**20**
34	-	20/200
35	-	1/**20**
36	-	20
40	-	20

Cat.Nos	Page N°	Pack
7 824 41	438	1/**20**
42	-	10
43	-	10
44	439	20
45	-	20/200
46	-	20
47	-	20
48	438	10/100
49	439	10/100
50	438	20
51	439	20/200
53	438	10/100
54	439	20
57	-	5/50
94	440	1/**2**
95	-	20/200
96	-	2
97	-	2

9 000 00

9 000 28	087	1
9 003 86	248	1
87	-	1
88	-	1
89	-	1
90	-	1
91	-	1
92	-	1
93	-	1
94	-	1
95	-	1

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products

Alpes Technologies product

Cat.Nos	Page No	Pack
ALPTEC12B	103	1
ALPTEC4	-	1
ALPTEC6	-	1
B10040	97	1
B1040	-	1
B12540	-	1
B15040	-	1
B1540	-	1
B17540	-	1
B2040	-	1
B2540	-	1
B3040	-	1
B4040	-	1
B5040	-	1
B6040	-	1
B7540	-	1
B9040	-	1
BH10040	-	1
BH1040	-	1
BH12540	-	1
BH15040	-	1
BH1540	-	1
BH17540	-	1
BH2040	-	1
BH2540	-	1
BH3040	-	1
BH4040	-	1
BH5040	-	1
BH6040	-	1
BH7540	-	1
BH9040	-	1
M10040	100	1
M1040	-	1
M112.540	-	1
M12540	-	1
M15040	-	1
M1540	-	1
M17540	-	1
M20040	-	1
M2040	-	1
M22540	-	1
M25040	-	1
M2540	-	1
M27540	-	1
M30040	-	1
M3040	-	1
M35040	-	1
M3540	-	1
M40040	-	1
M4040	-	1
M45040	-	1

Cat.Nos	Page No	Pack
M50040	100	1
M5040	-	1
M52.540	-	1
M55040	-	1
M60040	-	1
M6040	-	1
M67.540	-	1
M67540	-	1
M75040	-	1
M7540	-	1
M82540	-	1
M87.540	-	1
M90040	-	1
MH10040	-	1
MH1040	-	1
MH112.540	-	1
MH12540	-	1
MH15040	-	1
MH1540	-	1
MH17540	-	1
MH20040	-	1
MH2040	-	1
MH22540	-	1
MH25040	-	1
MH2540	-	1
MH27540	-	1
MH30040	-	1
MH3040	-	1
MH35040	-	1
MH3540	-	1
MH40040	-	1
MH4040	-	1
MH45040	-	1
MH50040	-	1
MH5040	-	1
MH52.540	-	1
MH55040	-	1
MH60040	-	1
MH6040	-	1
MH67.540	-	1
MH67540	-	1
MH75040	-	1
MH7540	-	1
MH82540	-	1
MH87.540	-	1
MH90040	-	1
MS.R12040.189	101	1
MS.R16040.189	-	1
MS.R20040.189	-	1
MS.R24040.189	-	1
MS.R28040.189	-	1

Cat.Nos	Page No	Pack
MS.R32040.189	101	1
MS.R36040.189	-	1
MS.R40040.189	-	1
MS.R44040.189	-	1
MS.R48040.189	-	1
MS.R52040.189	-	1
MS.R56040.189	-	1
MS.R60040.189	-	1
MS.R64040.189	-	1
MS.R72040.189	-	1
MS.R80040.189	-	1
MS10040.189	-	1
MS12540.189	-	1
MS15040.189	-	1
MS20040.189	-	1
MS22540.189	-	1
MS25040.189	-	1
MS27540.189	-	1
MS30040.189	-	1
MS35040.189	-	1
MS37540.189	-	1
MS45040.189	-	1
MS52540.189	-	1
MS60040.189	-	1
MS67540.189	-	1
MS75040.189	-	1
MS7540.189	-	1
P12.512.540	98	1
P12.540	-	1
P252540	-	1
P2540	-	1
P255040	-	1
P5040	-	1
P7540	-	1
PH12.512.540	-	1
PH12.540	-	1
PH252540	-	1
PH2540	-	1
PH255040	-	1
PH5040	-	1
PH7540	-	1
R5.2540.189	99	1
R5.5040.189	-	1
R5.R4040.189	-	1
R7.5040.189	-	1
R7.7540.189	-	1
R7.R4040.189	-	1
R7.R8040.189	-	1
R9.RS7240.189	-	1
SAH-0.43-161.6	104	1
SAH-0.58-121.2	-	1

Cat.Nos	Page No	Pack
SAH-0.86-80.8	104	1
SAH-1.35-94.2	-	1
SAH-1.73-40.4	-	1
SAH-1-125.6	-	1
SAH-2.02-62.8	-	1
SAH-3.45 -20.2	-	1
SAH-4.05 -28.9	-	1
SAH-4.31-16.2	-	1
SAH-8.1-15.7	-	1
V10040CB	96	1
V1040CB	-	1
V12.540CB	-	1
V12540CB	-	1
V1540CB	-	1
V2.540CB	-	1
V2040CB	-	1
V2540CB	-	1
V3040CB	-	1
V3540CB	-	1
V4040CB	-	1
V5040CB	-	1
V540CB	-	1
V6040CB	-	1
V7.540CB	-	1
V7540CB	-	1
V9040CB	-	1
VH10040CB	-	1
VH1040CB	-	1
VH12.540CB	-	1
VH12540CB	-	1
VH1540CB	-	1
VH2.540CB	-	1
VH2040CB	-	1
VH2540CB	-	1
VH3040CB	-	1
VH3540CB	-	1
VH4040CB	-	1
VH5040CB	-	1
VH540CB	-	1
VH6040CB	-	1
VH7.540CB	-	1
VH7540CB	-	1
VH8040CB	-	1
VH9040CB	-	1

Bold pack quantities: minimum quantities to be ordered. Red catalogue number: new products



MCBs, RCDs & DIN RAIL EQUIPMENT

MCBs, RCDs, add-on modules & accessories



NEW
P. 40
RX³ MCBs ≤ 63 A
4500 & 6000
prong type busbar



NEW
P. 45
TX³ MCBs ≤ 63 A
6000 & 10000
prong & fork type busbar



P. 50
DX³ RCBOs ≤ 63 A
6000 / 10 kA
AC, A & Hpi type
prong & fork type busbar



P. 57
DX³ MCBs ≤ 63 A
50 kA

Voltage surge protectors & other control and signalling devices



P. 62
Voltage surge protectors

Time & light sensitive switches



P. 74
Programmable time switches with digital display

Dimmers, relays, transformers, power supplies & accessories



P. 78
Remote control dimmers

NEW PRODUCTS 2014



RX³ MCBs ≤ 63 A

6000 compatible with fork & prong type busbar

(p. 41)



TX³ MCBs ≤ 63 A

6000 compatible with prong type busbar

(p. 44)


NEW
P. 41
RX³ MCBs ≤ 63 A
6000 prong & fork type busbar


P. 42
RX³ RCCBs ≤ 80 A
AC & A type prong & fork type busbar


NEW
P. 44
TX³ MCBs ≤ 63 A
6000 prong type busbar


NEW
P. 44
TX³ RCCBs ≤ 63 A
AC & A type prong type busbar


NEW
P. 46
TX³ RCCBs ≤ 80 A
AC & A type prong & fork type busbar


P. 46
DX-E MCBs ≤ 63 A
6000 / 6 kA
prong & fork type busbar


NEW
P. 47
DX³-IS isolating switches


P. 48
DX³-ID RCCBs ≤ 100 A
AC, A, Hpi & B type


P. 52
DX³ MCBs ≤ 63 A
6000 / 10 kA
prong & fork type busbar


P. 54
DX³ MCBs ≤ 125 A
10000 / 16 kA
prong & fork type busbar


NEW
P. 55
DX³ MCBs ≤ 63 A
16 kA
direct current


P. 56
DX³ MCBs ≤ 125 A
25 kA


P. 58
DX³ add-on modules ≤ 125 A
AC, A & Hpi type


P. 60
DX³ signalling & remote tripping auxiliaries


NEW
P. 61
DX³ motorised controls


NEW
P. 61
DX³ manual supply invertor


P. 66
Domestic fuse carriers & cartridge fuses


P. 68
CX³ pulse operated latching relays


P. 70
CX³ DIN rail power contactors


P. 73
Push-buttons, indicators & changeover switches


P. 75
Programmable time switches with analog dial


NEW
P. 76
Microrex Plus 2 programmable time switches


P. 77
Electronic time-lug switches


P. 78
Light sensitive switches


P. 79
Time-delay relays


P. 80
Transformers buzzers and bells


P. 80
Socket outlets & special supports


P. 81
Single phase power supplies



DX³ MCBs ≤ 63 A
direct current
(p. 55)



Manual supply invertor
for DX³ and TX³
(p. 61)

MCBs RX³ 4500

thermal magnetic MCBs from 6 A to 63 A - C curve


4 196 62


4 196 64



Technical characteristics **see e-catalogue**
Cross reference list old range/new range **p. 43**

Conform to IEC 60898-1
Do not accept auxiliaries, and add-on modules
Compatible with prong-type supply busbars
Breaking capacity:
4500 - IEC 60898-1 - 230/400 V~
4.5 kA - IEC 60947-2 - 230/400 V~
6000 - IEC 60898-1 - 127/220 V~
6 kA - IEC 60947-2 - 127/220 V~

Single pole 230/400 V~

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
12	4 196 61		6	1
12	4 196 62		10	1
12	4 196 64		16	1
12	4 196 65		20	1
12	4 196 66		25	1
12	4 196 67		32	1
12	4 196 68		40	1
12	4 196 69		50	1
12	4 196 70		63	1

2-pole 230/400 V~

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
6	4 196 94		6	2
6	4 196 95		10	2
6	4 196 97		16	2
6	4 196 98		20	2
6	4 196 99		25	2
6	4 197 00		32	2
6	4 197 01		40	2
6	4 197 02		50	2
6	4 197 03		63	2

3-pole 400 V~

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
4	4 197 05		6	3
4	4 197 06		10	3
4	4 197 08		16	3
4	4 197 09		20	3
4	4 197 10		25	3
4	4 197 11		32	3
4	4 197 12		40	3
4	4 197 13		50	3
4	4 197 14		63	3

4-pole 400 V~

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
3	4 197 38		6	4
3	4 197 39		10	4
3	4 197 41		16	4
3	4 197 42		20	4
3	4 197 43		25	4
3	4 197 44		32	4
3	4 197 45		40	4
3	4 197 46		50	4
3	4 197 47		63	4

MCBs RX³ 6000

thermal magnetic MCBs from 6 A to 63 A - C curve


4 198 38


4 198 40



Technical characteristics **see e-catalogue**
Cross reference list old range/new range **p. 43**

Conform to IEC 60898-1
Do not accept auxiliaries, and add-on modules
Compatible with prong-type supply busbars
Breaking capacity:
6000 - IEC 60898-1 - 230/400 V~
6 kA - IEC 60947-2 - 230/400 V~
10000 - IEC 60898-1 - 127/220 V~
10 kA - IEC 60947-2 - 127/220 V~

Single pole 230/400 V~

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
12	4 198 37		6	1
12	4 198 38		10	1
12	4 198 40		16	1
12	4 198 41		20	1
12	4 198 42		25	1
12	4 198 43		32	1
12	4 198 44		40	1
12	4 198 45		50	1
12	4 198 46		63	1

2-pole 230/400 V~

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
6	4 198 70		6	2
6	4 198 71		10	2
6	4 198 73		16	2
6	4 198 74		20	2
6	4 198 75		25	2
6	4 198 76		32	2
6	4 198 77		40	2
6	4 198 78		50	2
6	4 198 79		63	2

3-pole 400 V~

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
4	4 198 81		6	3
4	4 198 82		10	3
4	4 198 84		16	3
4	4 198 85		20	3
4	4 198 86		25	3
4	4 198 87		32	3
4	4 198 88		40	3
4	4 198 89		50	3
4	4 198 90		63	3

4-pole 400 V~

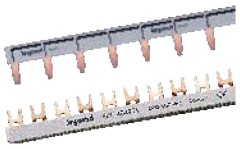
Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
3	4 199 14		6	4
3	4 199 15		10	4
3	4 199 17		16	4
3	4 199 18		20	4
3	4 199 19		25	4
3	4 199 20		32	4
3	4 199 21		40	4
3	4 199 22		50	4
3	4 199 23		63	4

MCBs RX³ 6000

thermal magnetic MCBs from 6 A to 63 A - B curve


4 191 34


4 191 36



Technical characteristics **see e-catalogue**

Conform to IEC 60898-1
Do not accept auxiliaries, and add-on modules
Compatible with prong-type and fork type supply busbars
Breaking capacity:
6000 - IEC 60898-1 - 230/400 V~
6 kA - IEC 60947-2 - 230/400 V~
10000 - IEC 60898-1 - 127/220 V~
10 kA - IEC 60947-2 - 127/220 V~

Pack	Cat.Nos	Single pole 230/400 V~	
	B curve	Nominal rating In (A)	Number of modules
12	4 191 33	6	1
12	4 191 34	10	1
12	4 191 35	13	1
12	4 191 36	16	1
12	4 191 37	20	1
12	4 191 38	25	1
12	4 191 39	32	1
12	4 191 40	40	1
12	4 191 41	50	1
12	4 191 42	63	1

		2-pole 230/400 V~	
	B curve	Nominal rating In (A)	Number of modules
6	4 191 55	6	2
6	4 191 56	10	2
6	4 191 57	13	2
6	4 191 58	16	2
6	4 191 59	20	2
6	4 191 60	25	2
6	4 191 61	32	2
6	4 191 62	40	2
6	4 191 63	50	2
6	4 191 64	63	2

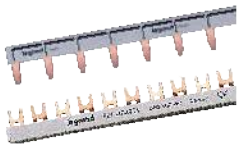
		3-pole 400 V~	
	B curve	Nominal rating In (A)	Number of modules
4	4 191 66	6	3
4	4 191 67	10	3
4	4 191 68	13	3
4	4 191 69	16	3
4	4 191 70	20	3
4	4 191 71	25	3
4	4 191 72	32	3
4	4 191 73	40	3
4	4 191 74	50	3
4	4 191 75	63	3

MCBs RX³ 6000

thermal magnetic MCBs from 6 A to 63 A - C curve


4 192 00


4 192 02



Technical characteristics **see e-catalogue**

Conform to IEC 60898-1
Do not accept auxiliaries, and add-on modules
Compatible with prong-type and fork type supply busbars
Breaking capacity:
6000 - IEC 60898-1 - 230/400 V~
6 kA - IEC 60947-2 - 230/400 V~
10000 - IEC 60898-1 - 127/220 V~
10 kA - IEC 60947-2 - 127/220 V~

Pack	Cat.Nos	Single pole 230/400 V~	
	C curve	Nominal rating In (A)	Number of modules
12	4 191 99	6	1
12	4 192 00	10	1
12	4 192 01	13	1
12	4 192 02	16	1
12	4 192 03	20	1
12	4 192 04	25	1
12	4 192 05	32	1
12	4 192 06	40	1
12	4 192 07	50	1
12	4 192 08	63	1

		2-pole 230/400 V~	
	C curve	Nominal rating In (A)	Number of modules
6	4 192 21	6	2
6	4 192 22	10	2
6	4 192 23	13	2
6	4 192 24	16	2
6	4 192 25	20	2
6	4 192 26	25	2
6	4 192 27	32	2
6	4 192 28	40	2
6	4 192 29	50	2
6	4 192 30	63	2

		3-pole 400 V~	
	C curve	Nominal rating In (A)	Number of modules
4	4 192 32	6	3
4	4 192 33	10	3
4	4 192 34	13	3
4	4 192 35	16	3
4	4 192 36	20	3
4	4 192 37	25	3
4	4 192 38	32	3
4	4 192 39	40	3
4	4 192 40	50	3
4	4 192 41	63	3

RCCBs RX³

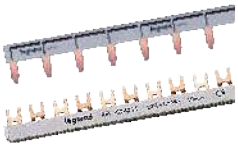
residual current circuit breakers from 25 A to 80 A - AC and A types



4 020 25



4 020 70



Dimensions **see e-catalogue**

Conform to IEC 61008-1
• AC type ⏦: detect AC component faults
• A type ⏦: detect AC and DC component faults
Compatible with prong-type and fork type supply busbars
Do not accept auxiliaries

Pack	Cat.Nos	Sensitivity (mA)	In (A)	Number of modules
		2-pole - 230 V∿		
		AC type ⏦		
1	4 020 24	30	25	2
1	4 020 25	30	40	2
1	4 020 26	30	63	2
1	4 020 27	30	80	2
1	4 020 28	100	25	2
1	4 020 29	100	40	2
1	4 020 30	100	63	2
1	4 020 32	300	25	2
1	4 020 33	300	40	2
1	4 020 34	300	63	2
		A type ⏦		
1	4 020 36	30	25	2
1	4 020 37	30	40	2
1	4 020 38	30	63	2
		4-pole - 400 V∿ neutral on right-hand side		
	N	**AC type** ⏦		
1	4 020 62	30	25	4
1	4 020 63	30	40	4
1	4 020 64	30	63	4
1	4 020 66	100	25	4
1	4 020 67	100	40	4
1	4 020 68	100	63	4
1	4 020 70	300	25	4
1	4 020 71	300	40	4
1	4 020 72	300	63	4
		A type ⏦		
1	4 020 74	30	25	4
1	4 020 75	30	40	4
1	4 020 76	30	63	4

For detailed dimensions,
see e-catalogue

RCCBs RX³

technical characteristics

AC type ⏦ - Standard applications

AC type RCCBs detect sinusoidal AC residual currents
In the majority of cases (standard applications), they are used for AC current detection at 50 Hz

A type ⏦ - Specific applications: dedicated lines

In addition to the characteristics of AC type RCCBs, A type RCCBs also detect pulsating DC residual currents
They are used whenever fault currents are not sinusoidal
They are particularly suitable for the following specific applications : hobs, washing machines or materials that may produce DC fault currents, speed drives with frequency inverters, etc.

Cross reference list old range/new range

		RX³ 4500 Prong type supply busbar C curve		RX³ 6000 Prong type supply busbar C curve	
		Old Cat.Nos	New Cat.Nos	Old Cat.Nos	New Cat.Nos
Single pole	3	4 021 51	-	4 023 09	-
	6	4 021 52	4 196 61	4 023 10	4 198 37
	10	4 021 53	4 196 62	4 023 11	4 198 38
	13	4 021 54	-	4 023 12	-
	16	4 021 55	4 196 64	4 023 13	4 198 40
	20	4 021 56	4 196 65	4 023 14	4 198 41
	25	4 021 57	4 196 66	4 023 15	4 198 42
	32	4 021 58	4 196 67	4 023 16	4 198 43
	40	4 021 59	4 196 68	4 023 17	4 198 44
	50	4 021 60	4 196 69	4 023 18	4 198 45
	63	4 021 61	4 196 70	4 023 19	4 198 46
2-pole	3	4 021 82	-	4 023 20	-
	6	4 021 83	4 196 94	4 023 21	4 198 70
	10	4 021 84	4 196 95	4 023 22	4 198 71
	13	4 021 85	-	4 023 23	-
	16	4 021 86	4 196 97	4 023 24	4 198 73
	20	4 021 87	4 196 98	4 023 25	4 198 74
	25	4 021 88	4 196 99	4 023 26	4 198 75
	32	4 021 89	4 197 00	4 023 27	4 198 76
	40	4 021 90	4 197 01	4 023 28	4 198 77
	50	4 021 91	4 197 02	4 023 29	4 198 78
	63	4 021 92	4 197 03	4 023 30	4 198 79
3-pole	3	4 021 93	-	4 023 31	-
	6	4 021 94	4 197 05	4 023 32	4 198 81
	10	4 021 95	4 197 06	4 023 33	4 198 82
	13	4 021 96	-	4 023 34	-
	16	4 021 97	4 197 08	4 023 35	4 198 84
	20	4 021 98	4 197 09	4 023 36	4 198 85
	25	4 021 99	4 197 10	4 023 37	4 198 86
	32	4 022 00	4 197 11	4 023 38	4 198 87
	40	4 022 01	4 197 12	4 023 39	4 198 88
	50	4 022 02	4 197 13	4 023 40	4 198 89
	63	4 022 03	4 197 14	4 023 41	4 198 90
4-pole	3	4 022 04	-	4 023 42	-
	6	4 022 05	4 197 38	4 023 43	4 199 14
	10	4 022 06	4 197 39	4 023 44	4 199 15
	13	4 022 07	-	4 023 45	-
	16	4 022 08	4 197 41	4 023 46	4 199 17
	20	4 022 09	4 197 42	4 023 47	4 199 18
	25	4 022 10	4 197 43	4 023 48	4 199 19
	32	4 022 11	4 197 44	4 023 49	4 199 20
	40	4 022 12	4 197 45	4 023 50	4 199 21
	50	4 022 13	4 197 46	4 023 51	4 199 22
	63	4 022 14	4 197 47	4 023 52	4 199 23

MCBs TX³ 6000

thermal magnetic MCBs from 6 A to 63 A - C curve


4 035 76


4 036 16



Technical characteristics **see e-catalogue**

Conform to IEC 60898-1
Compatible with prong-type supply busbars
Breaking capacity:
6000 - IEC 60898-1 - 230/400 V~
6 kA - IEC 60947-2 - 230/400 V~
Can be equipped with DX³ signalling and remote tripping auxiliaries and motorised controls (p. 60-61)
Do not accept add-on modules

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
Single pole 230/400 V~				
10	4 035 74		6	1
10	4 035 75		10	1
10	4 035 76		16	1
10	4 035 77		20	1
10	4 035 78		25	1
10	4 035 79		32	1
10	4 035 80		40	1
10	4 035 81		50	1
10	4 035 82		63	1
Single pole + neutral 230 V~				
Neutral on left-hand side				
5	4 035 84		6	2
5	4 035 85		10	2
5	4 035 86		16	2
5	4 035 87		20	2
5	4 035 88		25	2
5	4 035 89		32	2
5	4 035 90		40	2
2-pole 230/400 V~				
5	4 036 04		6	2
5	4 036 05		10	2
5	4 036 06		16	2
5	4 036 07		20	2
5	4 036 08		25	2
5	4 036 09		32	2
5	4 036 10		40	2
5	4 036 11		50	2
5	4 036 12		63	2
3-pole 400 V~				
1	4 036 14		6	3
1	4 036 15		10	3
1	4 036 16		16	3
1	4 036 17		20	3
1	4 036 18		25	3
1	4 036 19		32	3
1	4 036 20		40	3
1	4 036 21		50	3
1	4 036 22		63	3
4-pole 400 V~				
1	4 036 24		6	4
1	4 036 25		10	4
1	4 036 26		16	4
1	4 036 27		20	4
1	4 036 28		25	4
1	4 036 29		32	4
1	4 036 30		40	4
1	4 036 31		50	4
1	4 036 32		63	4

RCCBs TX³ - residual current circuit breakers

from 25 A to 63 A - AC and A types


4 030 00


4 030 10



Technical characteristics **see e-catalogue**

Conform to IEC 61008-1
Compatible with prong-type supply busbars
• AC type ~: detect AC component faults
• A type ⩙: detect AC and DC component faults
Do not accept auxiliaries

Pack	Cat.Nos	Sensitivity (mA)	In (A)	Number of modules
2-pole - 230 V~				
AC type ~				
1	4 030 00	30	25	2
1	4 030 01	30	40	2
1	4 030 02	30	63	2
1	4 030 38	300	25	2
1	4 030 39	300	40	2
1	4 030 40	300	63	2
A type ⩙				
1	4 030 35	30	25	2
1	4 030 36	30	40	2
4-pole - 400 V~				
Neutral on left-hand side				
AC type ~				
1	4 030 04	30	25	4
1	4 030 05	30	40	4
1	4 030 06	30	63	4
4-pole - 400 V~				
Neutral on right-hand side				
AC type ~				
1	4 030 08	30	25	4
1	4 030 09	30	40	4
1	4 030 10	30	63	4
1	4 030 42	300	25	4
1	4 030 43	300	40	4
1	4 030 44	300	63	4

MCBs TX³ 6000

thermal magnetic MCBs from 2 A to 63 A - B & C curve



4 034 34 4 035 33 4 035 49

Technical characteristics **see e-catalogue**

Conform to IEC 60898-1
Compatible with prong-type and fork type supply busbars
Breaking capacity:
6000 - IEC 60898-1 - 230/400 V~
6 kA - IEC 60947-2 - 230/400 V~
Can be equipped with DX³ signalling and remote tripping auxiliaries and motorised controls (p. 60-61)
Do not accept add-on modules

Single pole 230/400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
	AVAILABLE NOV 2014			
10	4 033 50	4 034 27	2	1
10	4 033 53	4 034 30	6	1
10	4 033 55	4 034 32	10	1
10	4 033 56	4 034 33	13	1
10	4 033 57	4 034 34	16	1
10	4 033 58	4 034 35	20	1
10	4 033 59	4 034 36	25	1
10	4 033 60	4 034 37	32	1
10	4 033 61	4 034 38	40	1
10	4 033 62	4 034 39	50	1
10	4 033 63	4 034 40	63	1

2-pole 230/400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
	AVAILABLE NOV 2014			
5	4 033 80	4 035 21	2	2
5	4 033 83	4 035 24	6	2
5	4 033 85	4 035 26	10	2
5	4 033 86	4 035 27	13	2
5	4 033 87	4 035 28	16	2
5	4 033 88	4 035 29	20	2
5	4 033 89	4 035 30	25	2
5	4 033 90	4 035 31	32	2
5	4 033 91	4 035 32	40	2
5	4 033 92	4 035 33	50	2
5	4 033 93	4 035 34	63	2

3-pole 400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
	AVAILABLE NOV 2014			
1	4 033 95	4 035 38	2	3
1	4 033 98	4 035 41	6	3
1	4 034 00	4 035 43	10	3
1	4 034 01	4 035 44	13	3
1	4 034 02	4 035 45	16	3
1	4 034 03	4 035 46	20	3
1	4 034 04	4 035 47	25	3
1	4 034 05	4 035 48	32	3
1	4 034 06	4 035 49	40	3
1	4 034 07	4 035 50	50	3
1	4 034 08	4 035 51	63	3

4-pole 400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
	AVAILABLE NOV 2014			
1	4 034 10	4 035 55	2	4
1	4 034 13	4 035 58	6	4
1	4 034 15	4 035 60	10	4
1	4 034 16	4 035 61	13	4
1	4 034 17	4 035 62	16	4
1	4 034 18	4 035 63	20	4
1	4 034 19	4 035 64	25	4
1	4 034 20	4 035 65	32	4
1	4 034 21	4 035 66	40	4
1	4 034 22	4 035 67	50	4
1	4 034 23	4 035 68	63	4

MCBs TX³ 10000

thermal magnetic MCBs from 2 A to 63 A - B & C curve



4 041 71 4 042 11 4 042 26

Technical characteristics **see e-catalogue**

Conform to IEC 60898-1
Compatible with prong-type and fork type supply busbars
Breaking capacity:
10000 - IEC 60898-1 - 230/400 V~
10 kA - IEC 60947-2 - 230/400 V~
Can be equipped with DX³ signalling and remote tripping auxiliaries and motorised controls (p. 60-61)
Do not accept add-on modules

Single pole 230/400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
	AVAILABLE NOV 2014			
10	4 040 78	4 041 64	2	1
10	4 040 81	4 041 67	6	1
10	4 040 82	4 041 69	10	1
10	4 040 83	4 041 70	13	1
10	4 040 84	4 041 71	16	1
10	4 040 85	4 041 72	20	1
10	4 040 86	4 041 73	25	1
10	4 040 87	4 041 74	32	1
10	4 040 88	4 041 75	40	1
10	4 040 89	4 041 76	50	1
10	4 040 90	4 041 77	63	1

2-pole 230/400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
	AVAILABLE NOV 2014			
5	4 041 06	4 041 98	2	2
5	4 041 09	4 042 01	6	2
5	4 041 10	4 042 03	10	2
5	4 041 11	4 042 04	13	2
5	4 041 12	4 042 05	16	2
5	4 041 13	4 042 06	20	2
5	4 041 14	4 042 07	25	2
5	4 041 15	4 042 08	32	2
5	4 041 16	4 042 09	40	2
5	4 041 17	4 042 10	50	2
5	4 041 18	4 042 11	63	2

3-pole 400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
	AVAILABLE NOV 2014			
1	4 041 20	4 042 15	2	3
1	4 041 23	4 042 18	6	3
1	4 041 24	4 042 20	10	3
1	4 041 25	4 042 21	13	3
1	4 041 26	4 042 22	16	3
1	4 041 27	4 042 23	20	3
1	4 041 28	4 042 24	25	3
1	4 041 29	4 042 25	32	3
1	4 041 30	4 042 26	40	3
1	4 041 31	4 042 27	50	3
1	4 041 32	4 042 28	63	3

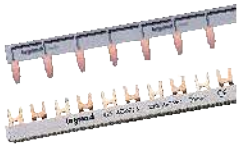
4-pole 400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
	AVAILABLE NOV 2014			
1	4 041 48	4 042 49	6	4
1	4 041 51	4 042 52	6	4
1	4 041 52	4 042 54	10	4
1	4 041 53	4 042 55	13	4
1	4 041 54	4 042 56	16	4
1	4 041 55	4 042 57	20	4
1	4 041 56	4 042 58	25	4
1	4 041 57	4 042 59	32	4
1	4 041 58	4 042 60	40	4
1	4 041 59	4 042 61	50	4
1	4 041 60	4 042 62	63	4

RCCBs TX³ residual current circuit breakers

from 16 A to 80 A - AC and A types





4 115 10 4 117 09

Technical characteristics **see e-catalogue**

Conform to IEC 61008-1
Compatible with prong-type and fork type supply busbars
• AC type ~: detect AC component faults
• A type ⩙: detect AC and DC component faults

2-pole - 230 V~

AC type ~

Pack	Cat.Nos	Sensitivity (mA)	In (A)	Number of modules
	AVAILABLE NOV 2014			
1	4 115 02	10	16	2
1	4 115 09	30	25	2
1	4 115 10	30	40	2
1	4 115 11	30	63	2
1	4 115 12	30	80	2
1	4 115 19	100	25	2
1	4 115 20	100	40	2
1	4 115 21	100	63	2
1	4 115 22	100	80	2
1	4 115 29	300	25	2
1	4 115 30	300	40	2
1	4 115 31	300	63	2
1	4 115 32	300	80	2

A type ⩙

1	4 115 52	10	16	2
1	4 115 59	30	25	2
1	4 115 60	30	40	2
1	4 115 61	30	63	2
1	4 115 62	30	80	2
1	4 115 64	100	25	2
1	4 115 65	100	40	2
1	4 115 66	100	63	2
1	4 115 67	100	80	2
1	4 115 74	300	25	2
1	4 115 75	300	40	2
1	4 115 76	300	63	2
1	4 115 77	300	80	2

4-pole 400 V~

Neutral on right-hand side

AC type ~

	AVAILABLE NOV 2014	Sensitivity (mA)	In (A)	Number of modules
1	4 117 07	30	25	2
1	4 117 08	30	40	2
1	4 117 09	30	63	2
1	4 117 10	30	80	2
1	4 117 17	100	25	2
1	4 117 18	100	40	2
1	4 117 19	100	63	2
1	4 117 20	100	80	2
1	4 117 27	300	25	2
1	4 117 28	300	40	2
1	4 117 29	300	63	2
1	4 117 30	300	80	2

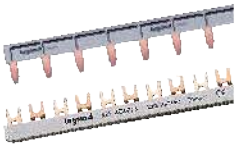
A type ⩙

1	4 117 64	30	25	2
1	4 117 65	30	40	2
1	4 117 66	30	63	2
1	4 117 67	30	80	2
1	4 117 74	100	25	2
1	4 117 75	100	40	2
1	4 117 76	100	63	2
1	4 117 77	100	80	2
1	4 117 84	300	25	2
1	4 117 85	300	40	2
1	4 117 86	300	63	2
1	4 117 87	300	80	2

MCBs DX-E 6000

thermal magnetic MCBs from 6 A to 63 A - B and C curves



0 032 70 0 033 28 0 034 33

Technical characteristics **see e-catalogue**

Conform to IEC 60898-1
Compatible with prong-type and fork type supply busbars
Breaking capacity
6000 - IEC 60898-1 - 400 V~
6 kA - IEC 60947-2 - 400 V~
Do not accept add-on modules
For auxiliaries, please consult us

Single pole 230/400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
10	0 032 66	0 033 82	6	1
10	0 032 68	0 033 84	10	1
10	0 032 69	0 033 85	13	1
10	0 032 70	0 033 86	16	1
10	0 032 71	0 033 87	20	1
10	0 032 72	0 033 88	25	1
10	0 032 73	0 033 89	32	1
10	0 032 74	0 033 90	40	1
10	0 032 75	0 033 91	50	1
10	0 032 76	0 033 92	63	1

2-pole 230/400 V~

	B curve	C curve	Nominal rating In (A)	Number of modules
5	0 033 08	0 034 29	6	2
5	0 033 10	0 034 31	10	2
5	0 033 11	0 034 32	13	2
5	0 033 12	0 034 33	16	2
5	0 033 13	0 034 34	20	2
5	0 033 14	0 034 35	25	2
5	0 033 15	0 034 36	32	2
5	0 033 16	0 034 37	40	2
5	0 033 17	0 034 38	50	2
5	0 033 18	0 034 39	63	2

3-pole 400 V~

	B curve	C curve	Nominal rating In (A)	Number of modules
1	0 033 22	0 034 47	6	3
1	0 033 24	0 034 49	10	3
1	0 033 25	0 034 50	13	3
1	0 033 26	0 034 51	16	3
1	0 033 27	0 034 52	20	3
1	0 033 28	0 034 53	25	3
1	0 033 29	0 034 54	32	3
1	0 033 30	0 034 55	40	3
1	0 033 31	0 034 56	50	3
1	0 033 32	0 034 57	63	3

4-pole 400 V~

	B curve	C curve	Nominal rating In (A)	Number of modules
1	0 033 68	0 034 89	6	4
1	0 033 70	0 034 91	10	4
1	0 033 71	0 034 92	13	4
1	0 033 72	0 034 93	16	4
1	0 033 73	0 034 94	20	4
1	0 033 74	0 034 95	25	4
1	0 033 75	0 034 96	32	4
1	0 033 76	0 034 97	40	4
1	0 033 77	0 034 98	50	4
1	0 033 78	0 034 99	63	4

Isolating switches DX³-IS

from 16 A to 125 A


4 065 27


4 065 44


4 064 06


4 064 59


4 064 81

Dimensions **see e-catalogue**
Technical characteristics **p. 49**

AC 23 A according to IEC 60947 - 3, AC 22 A for 125 A
Double break contacts

Remote trip head isolating switches

Red handle
Visible contact indication
Remote tripping with associated control auxiliary (p. 60)
Can be fitted with motorised controls (p. 61)
Visual indication of the actual status of the contacts:
- Closed position (red indicator)
- Open position (green indicator)

2P - 400 V~

Pack	Cat.Nos	Nominal rating In (A)	Number of modules
1	4 065 27	40	2
1	4 065 28	63	2

3P - 400 V~

Pack	Cat.Nos	Nominal rating In (A)	Number of modules
1	4 065 35	40	3
1	4 065 36	63	3
1	4 065 38[1]	100	4.5
1	4 065 39[1]	125	4.5

4P - 400 V~

Pack	Cat.Nos	Nominal rating In (A)	Number of modules
1	4 065 43	40	4
1	4 065 44	63	4
1	4 065 46[1]	100	6
1	4 065 47[1]	125	6

1: Can be equipped with add-on modules

Isolating switches

Grey handle
Can be equipped with 1 DX³ signalling auxiliary (p. 60)

1P - 250 V~

Pack	Cat.Nos	Nominal rating In (A)	Number of modules
10	4 064 00	16	1
10	4 064 01	20	1
10	4 064 03	32	1
10	4 064 11	40	1
10	4 064 12	63	1
10	4 064 23	100	1

1P with indicator - 250 V~

Supplied with lamp

Pack	Cat.Nos	Nominal rating In (A)	Number of modules
10	4 064 04	20	1
10	4 064 06	32	1

2P - 400 V~

Pack	Cat.Nos	Nominal rating In (A)	Number of modules
10	4 064 31	16	1
10	4 064 32	20	1
10	4 064 34	32	1
5	4 064 40	40	2
5	4 064 41	63	2
5	4 064 49	100	2
5	4 064 50	125	2

2P with indicator - 400 V~

Supplied with lamp
Do not accept auxiliaries

Pack	Cat.Nos	Nominal rating In (A)	Number of modules
10	4 064 36	20	1
10	4 064 38	32	1
10	4 064 39	40	1

3P - 400 V~

Pack	Cat.Nos	Nominal rating In (A)	Number of modules
5	4 064 57	20	2
5	4 064 59	32	2
1	4 064 60	40	3
1	4 064 61	63	3
1	4 064 69	100	3
1	4 064 70	125	3

4P - 400 V~

Pack	Cat.Nos	Nominal rating In (A)	Number of modules
5	4 064 77	20	2
5	4 064 79	32	2
1	4 064 80	40	4
1	4 064 81	63	4
1	4 064 89	100	4
1	4 064 90	125	4

RCCBs - DX³-ID

residual current circuit breakers 16 A to 100 A - AC, A, Hpi and B types


4 115 25


4 117 05


4 117 60

Technical characteristics **see e-catalogue**

Conform to IEC 61008 - 1
- AC type ~: detect sinusoidal AC residual currents
- A type ⩙: detect sinusoidal AC and pulsating DC residual currents
- Hpi type (High immunity) ⩙ Hpi: detect AC and pulsating DC residual currents
  Enhanced immunity to unwanted tripping in disturbed environments
- B type ⩙ ⩦: detect sinusoidal AC, pulsating DC and smooth DC residual currents

Can be equipped with DX³ signalling and remote tripping auxiliaries, except for B type (p. 60) and motorised controls (p. 61)

2-pole 230 V~

Pack	Cat.Nos	Sensitivity (mA)	Nominal Rating In (A)	Number of modules
		AC type ~		
1	4 115 00	10	16	2
1	4 115 04	30	25	2
1	4 115 05	30	40	2
1	4 115 06	30	63	2
1	4 115 07	30	80	2
1	4 115 08	30	100	2
1	4 115 14	100	25	2
1	4 115 15	100	40	2
1	4 115 16	100	63	2
1	4 115 17	100	80	2
1	4 115 24	300	25	2
1	4 115 25	300	40	2
1	4 115 26	300	63	2
1	4 115 27	300	80	2
1	4 115 28	300	100	2
1	4 115 37	100 selective	100	2
1	4 115 43	300 selective	63	2
		A type ⩙		
1	4 115 50	10	16	2
1	4 115 54	30	25	2
1	4 115 55	30	40	2
1	4 115 56	30	63	2
1	4 115 57	30	80	2
1	4 115 69	300	25	2
1	4 115 70	300	40	2
1	4 115 71	300	63	2
1	4 115 72	300	80	2
		Hpi type ⩙ Hpi		
1	4 115 90	30	25	2
1	4 115 91	30	40	2
1	4 115 92	30	63	2
	N	**B type** ⩙ ⩦		
		Do not accept auxiliaries		
1	4 118 42	30	40	4
1	4 118 43	30	63	4
1	4 118 44	300	40	4
1	4 118 45	300	63	4

4-pole - 400 V~ - neutral on right-hand side

Pack	Cat.Nos	Vis/vis	Sensitivity (mA)	In (A)	Number of modules
			AC type ~		
1	4 117 02		30	25	4
1	4 117 03		30	40	4
1	4 117 04		30	63	4
1	4 117 05		30	80	4
1	4 117 12		100	25	4
1	4 117 13		100	40	4
1	4 117 14		100	63	4
1	4 117 15		100	80	4
1	4 117 22		300	25	4
1	4 117 23		300	40	4
1	4 117 24		300	63	4
1	4 117 25		300	80	4
1	4 117 45		300 selective	40	4
1	4 117 46		300 selective	63	4
1	4 117 32		500	25	4
1	4 117 33		500	40	4
1	4 117 34		500	63	4
1	4 117 35		500	80	4
			A type ⩙		
1	4 117 59		30	25	4
1	4 117 60		30	40	4
1	4 117 61		30	63	4
1	4 117 62		30	80	4
1	4 117 63		30	100	4
1	4 117 69		100	25	4
1	4 117 70		100	40	4
1	4 117 71		100	63	4
1	4 117 72		100	80	4
1	4 117 73		100	100	4
1	4 117 79		300	25	4
1	4 117 80		300	40	4
1	4 117 81		300	63	4
1	4 117 82		300	80	4
1	4 117 83		300	100	4
1	4 118 00		300 selective	40	4
1	4 118 01		300 selective	63	4
1	4 117 89		500	25	4
1	4 117 90		500	40	4
1	4 117 91		500	63	4
1	4 117 92		500	80	4
1	4 117 93		500	100	4

4-pole - 400 V~ - neutral on left-hand side

Pack	Cat.Nos		Sensitivity (mA)	In (A)	Number of modules
	N		**B type** ⩙ ⩦		
			Do not accept auxiliaries		
1	4 118 46		30	40	4
1	4 118 47		30	63	4
1	4 118 48		300	40	4
1	4 118 49		300	63	4

Auxiliaries, accessories and remote control **p. 60-61**



Isolating switches DX³-IS

technical characteristics

DX³-IS remote trip head isolating switches

Electrical characteristics

Thermal rating (Ith)		40 - 63 A 1 module/pole	100 - 125 A 1.5 module/pole
Terminals		Cage	Cage
Connection	flexible	1.5 to 25 mm² 1.5 to 35 mm²	6 to 50 mm² 6 to 70 mm²
	rigid		
Insulation voltage (Hi)		500 V ∿	500 V ∿
Impulse withstand voltage (Uimp)		6 kV	6 kV
Category of use(1)		AC 22A / AC 23A	100 A = AC 22A / AC 23A 125 A = AC 22A
Short time withstand current (Icw)		1000 A during 1 s 1700 A during 0.5 s	1000 A during 1 s 1500 A during 0.5 s
Short-circuit making capacity (Icm)		3000 A	1500 A
No. of electrical operations		15000	10000
Protection index		IP 2X wired	IP 2X wired

(1) test conditions according to IEC 60947-3
AC 22 A: combined motor/resistor breaking with frequent operations
AC 23 A: inductive motor breaking at In/2 with frequent operations

DX³-IS isolating switches

Electrical characteristics

Thermal rating (Ith)		16 - 40 A 0.5 module/pole	40 - 63 A 1 module/pole	100 - 125 A 1 module/pole
Terminals		Cage	Cage	Cage
Connection	flexible	1.5 to 10 mm² 1.5 to 16 mm²	1.5 to 25 mm² 1.5 to 35 mm²	4 to 35 mm² 4 to 50 mm²
	rigid			
Insulation voltage (Hi)		500 V∿	500 V∿	500 V∿
Impulse withstand voltage (Uimp)		6 kV	6 kV	6 kV
Category of use(1)		AC 22 A	AC 22 A	AC 22 A
Short time withstand current (Icw)		750 A	2000 A	2500 A
Short-circuit making capacity (Icm)		1500 A	3000 A	3700 A
No. of electrical operations		30000	20000	5000
Protection index		IP 2X wired	IP 2X wired	IP 2X wired

(1) test conditions according to IEC 60947-3
AC 22 A: combined motor/resistor breaking with frequent operations

RCCBs DX³-ID

technical characteristics

DX³-ID - RCCBs (residual current circuit breakers)

Connection cross-section

RCCBs	Cable (mm²)	
	Rigid	Flexible
Connection at top and bottom	50	35

AC type ∿ - Standard applications

AC type RCCBs detect sinusoidal AC residual currents
In the majority of cases (standard applications), they are used for AC current detection at 50 Hz

A type ∿ - Specific applications: dedicated lines

In addition to the characteristics of AC type RCCBs, A type RCCBs also detect pulsating DC residual currents
They are used whenever fault currents are not sinusoidal
They are particularly suitable for the following specific applications : hobs, washing machines or materials that may produce DC fault currents, speed drives with frequency inverters, etc.

B type ∿ ⎓ - Specific applications: dedicated lines

In addition to the characteristics of A type RCCBs, B type RCCBs also detect smooth DC residual currents
They are used whenever fault currents are not sinusoidal
They are particularly suitable for the following specific applications : speed drives and inverters for supplying motors for pumps, lifts, textile machines, machine tools, photovoltaic installations, call centres, medical equipment, etc.

Hpi type ∿ Hpi - Special applications

Type Hpi RCCBs are devices which offer additional immunity to unwanted tripping which significantly exceeds the level required by the standard
They are also able to detect AC and DC residual currents (A type)
Operation between - 25 °C and + 40 °C
They are used in special applications where:
• Loss of information is potentially damaging, e.g. power supply lines for computer equipment (banks, equipment on military bases, flight reservation centres, etc.)
• Loss of operation is potentially damaging (automated machinery, medical equipment, freezer cable, etc.)
They are also used:
• On sites where there is an increased risk of lightning strikes (see p. 63)
• On sites where cables are subject to high levels of interference (use of fluorescents, etc.)
• On sites where very long cables are used

RCBOs DX™ 10000

residual current circuit breakers from 10 A to 45 A - AC type



6 064 15

Technical characteristics **see e-catalogue**

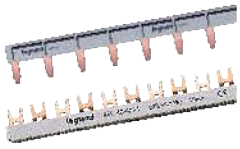
Breaking capacity:
10000 - IEC 61009-1
• AC type ~: detect AC component faults

Pack	Cat.Nos	Single pole - 230 V~	
		Blue neutral leads	
		AC Type ~ 30 mA	
	C curve	Nominal rating In (A)	Number of modules
1	6 064 10	10	1
1	6 064 11	16	1
1	6 064 12	20	1
1	6 064 13	25	1
1	6 064 14	32	1
1	6 064 15	45	1

RCBOs DX³ 6000 - 10 kA - residual current circuit breakers from 3 A to 63 A - AC, A and Hpi types



4 110 02



Technical characteristics **see e-catalogue**

Conform to IEC 61009-1
Compatible with prong-type and fork type supply busbars
Breaking capacity:
6000 - IEC 61009-1 - 10 kA / IEC 60947-2 for single pole + neutral, 2 and 4-pole
• AC type ~: detect AC component faults
• A type ~: detect AC and DC component faults
• Hpi type (High immunity) ~ Hpi: detect AC and DC component faults
Enhanced immunity to unwanted tripping in disturbed environments
Can be equipped with DX³ signalling and remote tripping auxiliaries and motorised controls (p. 60-61)

Pack	Cat.Nos	Single pole + neutral - 230 V~	
		Neutral on right-hand side	
		AC Type ~ 10 mA	
	C curve	Nominal rating In (A)	Number of modules
1	4 109 93	16	2
		AC Type ~ 30 mA	
1	4 109 97	3	2
1	4 109 99	6	2
1	4 110 00	10	2
1	4 110 02	16	2
1	4 110 03	20	2
1	4 110 04	25	2
1	4 110 05	32	2
1	4 110 06	40	2
		AC Type ~ 300 mA	
1	4 110 21	6	2
1	4 110 22	10	2
1	4 110 24	16	2
1	4 110 25	20	2
1	4 110 26	25	2
1	4 110 27	32	2
1	4 110 28	40	2
		A Type ~ 10 mA	
1	4 110 41	16	2
		A Type ~ 30 mA	
1	4 110 47	6	2
1	4 110 48	10	2
1	4 110 50	16	2
1	4 110 51	20	2
1	4 110 52	25	2
1	4 110 53	32	2
1	4 110 54	40	2
		Hpi Type ~ Hpi 30 mA	
1	4 110 91	6	2
1	4 110 92	10	2
1	4 110 94	16	2
1	4 110 95	20	2
1	4 110 96	25	2
1	4 110 97	32	2
1	4 110 98	40	2

RCBOs DX³ 6000 - 10 kA

residual current circuit breakers from 10 A to 63 A - AC, A and Hpi types (continued)



4 111 49



4 111 92



4 112 41

Technical characteristics **see e-catalogue**

Conform to IEC 61009-1
Breaking capacity:
6000 - IEC 61009-1 - 10 kA / IEC 60947-2 for single pole + neutral, 2 and 4-pole
• AC type ~: detect AC component faults
• A type ~: detect AC and DC component faults
• Hpi type (High immunity) ~ Hpi: detect AC and DC component faults
Enhanced immunity to unwanted tripping in disturbed environments
Can be equipped with DX³ signalling and remote tripping auxiliaries and motorised controls (p. 60-61)

2-pole - 230 V~

Compatible with prong-type supply busbars

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
			AC Type ~ 10 mA	
1	4 111 49		10	4
1	4 111 50		16	4
1	4 111 51		20	4
			AC Type ~ 30 mA	
1	4 111 57		10	4
1	4 111 58		16	4
1	4 111 59		20	4
1	4 111 60		25	4
1	4 111 61		32	4
1	4 111 62		40	4
1	4 111 63		50	4
1	4 111 64		63	4
			AC Type ~ 300 mA	
1	4 111 71		10	4
1	4 111 72		16	4
1	4 111 73		20	4
1	4 111 74		25	4
1	4 111 75		32	4
1	4 111 76		40	4
1	4 111 77		50	4
1	4 111 78		63	4

4-pole - 400 V~

4-module RCBOs are compatible with prong-type and fork type supply busbars
7-module RCBOs are compatible with prong-type supply busbars only

Pack	Cat.Nos	C curve	Nominal rating In (A)	Number of modules
			AC Type ~ 30 mA	
1	4 111 85		10	4
1	4 111 86		16	4
1	4 111 87		20	4
1	4 111 88		25	4
1	4 111 89		32	4
1	4 111 90		40	7
1	4 111 91		50	7
1	4 111 92		63	7
			AC Type ~ 300 mA	
1	4 112 04		10	4
1	4 112 05		16	4
1	4 112 06		20	4
1	4 112 07		25	4
1	4 112 08		32	4
1	4 112 09		40	7
1	4 112 10		50	7
1	4 112 11		63	7
			A Type ~ 30 mA	
1	4 112 33		10	4
1	4 112 34		16	4
1	4 112 35		20	4
1	4 112 36		25	4
1	4 112 37		32	4
			A Type ~ 300 mA	
1	4 112 38		10	4
1	4 112 39		16	4
1	4 112 40		20	4
1	4 112 41		25	4
1	4 112 42		32	4
		N	**Hpi Type ~ Hpi 30 mA**	
1	4 112 44		16	4
1	4 112 45		20	4
1	4 112 46		25	4
1	4 112 47		32	4

For detailed dimensions, **see e-catalogue**

MCBs DX³ 6000 - 10 kA

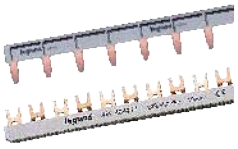
thermal magnetic circuit breakers from 1 A to 63 A - B and C curves


4 074 35


4 078 02


4 075 65


4 079 34



Technical characteristics **see e-catalogue**

Conform to IEC 60898-1
Compatible with both, prong-type and fork type supply busbars
Breaking capacity
6000 - IEC 60898-1 - 400 V~
10 kA - IEC 60947-2 - 400 V~
Can be equipped with DX³ signalling and remote tripping auxiliaries, motorised controls (p. 60-61) and add-on modules (p. 58)

Single pole 230/400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
1	4 074 25	4 076 62	1	1
1	4 074 26	4 076 63	2	1
1	4 074 27	4 076 64	3	1
1	4 074 29	4 076 66	6	1
10	4 074 30	4 076 68	10	1
10	4 074 32	4 076 70	16	1
1	4 074 33	4 076 71	20	1
1	4 074 34	4 076 72	25	1
1	4 074 35	4 076 73	32	1
1	4 074 36	4 076 74	40	1
1	4 074 37	4 076 75	50	1
1	4 074 38	4 076 76	63	1

Single pole + neutral 230 V~

Neutral on right-hand side

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
1	4 074 68	4 077 34	1	1
1	4 074 69	4 077 35	2	1
1	4 074 70	4 077 36	3	1
1	4 074 72	4 077 38	6	1
1	4 074 73	4 077 40	10	1
10	4 074 75	4 077 42	16	1
1	4 074 76	4 077 43	20	1
1	4 074 77	4 077 44	25	1
1	4 074 78	4 077 45	32	1
1	4 074 79	4 077 46	40	1

2-pole 230/400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
1	4 075 02	4 077 92	1	2
1	4 075 03	4 077 93	2	2
1	4 075 04	4 077 94	3	2
1	4 075 06	4 077 96	6	2
1 I 5	4 075 07	4 077 98	10	2
1 I 5	4 075 09	4 078 00	16	2
1	4 075 10	4 078 01	20	2
1	4 075 11	4 078 02	25	2
1	4 075 12	4 078 03	32	2
1	4 075 13	4 078 04	40	2
1	4 075 14	4 078 05	50	2
1	4 075 15	4 078 06	63	2

3-pole 400 V~

Pack	Cat.Nos B curve	Cat.Nos C curve	Nominal rating In (A)	Number of modules
1	4 075 54	4 078 51	1	3
1	4 075 55	4 078 52	2	3
1	4 075 56	4 078 53	3	3
1	4 075 58	4 078 55	6	3
1	4 075 59	4 078 57	10	3
1	4 075 61	4 078 59	16	3
1	4 075 62	4 078 60	20	3
1	4 075 63	4 078 61	25	3
1	4 075 64	4 078 62	32	3
1	4 075 65	4 078 63	40	3
1	4 075 66	4 078 64	50	3
1	4 075 67	4 078 65	63	3

4-pole 400 V~

B curve	C curve	Nominal rating In (A)	Number of modules
4 076 17	4 079 20	1	4
4 076 18	4 079 21	2	4
4 076 19	4 079 22	3	4
4 076 21	4 079 24	6	4
4 076 22	4 079 26	10	4
4 076 24	4 079 28	16	4
4 076 25	4 079 29	20	4
4 076 26	4 079 30	25	4
4 076 27	4 079 31	32	4
4 076 28	4 079 32	40	4
4 076 29	4 079 33	50	4
4 076 30	4 079 34	63	4

MCBs DX³ 6000 - 10 kA

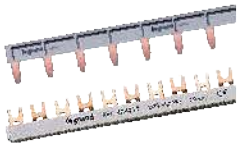
thermal magnetic circuit breakers from 1 A to 63 A - D curve



4 079 67



4 080 33



Technical characteristics **see e-catalogue**

Conform to IEC 60898-1
Compatible with both, prong-type and fork type supply busbars
Breaking capacity
6000 - IEC 60898-1 - 400 V~
10 kA - IEC 60947-2 - 400 V~
Can be equipped with DX³ signalling and remote tripping auxiliaries, motorised controls (p. 60-61) and add-on modules (p. 58)

Pack	Cat.Nos	Single pole 230/400 V~	
	D curve	Nominal rating In (A)	Number of modules
1	4 079 63	1	1
1	4 079 64	2	1
1	4 079 65	3	1
1	4 079 67	6	1
1	4 079 69	10	1
1	4 079 71	16	1
1	4 079 72	20	1
1	4 079 73	25	1
1	4 079 74	32	1
1	4 079 75	40	1
1	4 079 76	50	1
1	4 079 77	63	1

		2-pole 230/400 V~	
	D curve	Nominal rating In (A)	Number of modules
1	4 080 23	1	2
1	4 080 24	2	2
1	4 080 25	3	2
1	4 080 27	6	2
1	4 080 29	10	2
1	4 080 31	16	2
1	4 080 32	20	2
1	4 080 33	25	2
1	4 080 34	32	2
1	4 080 35	40	2
1	4 080 36	50	2
1	4 080 37	63	2

		3-pole 400 V~	
	D curve	Nominal rating In (A)	Number of modules
1	4 080 81	1	3
1	4 080 82	2	3
1	4 080 83	3	3
1	4 080 85	6	3
1	4 080 87	10	3
1	4 080 89	16	3
1	4 080 90	20	3
1	4 080 91	25	3
1	4 080 92	32	3
1	4 080 93	40	3
1	4 080 94	50	3
1	4 080 95	63	3

		4-pole 400 V~	
	D curve	Nominal rating In (A)	Number of modules
1	4 081 43	6	4
1	4 081 45	10	4
1	4 081 47	16	4
1	4 081 48	20	4
1	4 081 49	25	4
1	4 081 50	32	4
1	4 081 51	40	4
1	4 081 52	50	4
1	4 081 53	63	4

Common auxiliaries & remote control

The signalling and remote tripping auxiliaries and the motorised controls are common for DX³ MCBs, RCBOs and RCCBs and TX³ MCBs.
Signalling auxiliaries are available in two versions, adapted to the pin or fork type supply busbars.



1 module motorised controls p. 61

COMPACT SIZE

1 module motorised controls for remote tripping of 1-pole to 4-pole modular devices.



Auxiliaries p. 61

EASY TO INSTALL

Perfect fitting to protection devices
Easy access and visible terminals
Allow insertion of supply busbars



Power overvoltage protection p. 60
Motorised control with automatic resetting p. 61

AVAILABLE FUNCTIONS

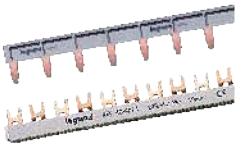
- auxiliary or fault signal contact
- current shunt trips
- undervoltage releases
- power overvoltage protection
- motorised controls with or without automatic resetting

MCBs DX³ 10000 - 16 kA

thermal magnetic circuit breakers from 1 A to 125 A - B, C and D curves


4 088 69


4 089 43




4 087 71

Technical characteristics **see e-catalogue**

Conform to IEC 60898-1
Compatible with prong-type and fork type supply busbars (except 80 A, 100 A and 125 A MCBs)
Breaking capacity
10000 - IEC 60898-1 - 400 V~
16 kA - IEC 60947-2 - 400 V~
Can be equipped with DX³ signalling and remote tripping auxiliaries, motorised controls (p. 60-61) and add-on modules (p. 58-59)

Single pole 230/400 V~

Pack	Cat.Nos		Nominal rating In (A)	Number of modules
	B curve	C curve		
1	4 088 65	4 091 07	1	1
1	4 088 66	4 091 08	2	1
1	4 088 67	4 091 09	3	1
1	4 088 69	4 091 11	6	1
1 I 10	4 088 70	4 091 12	10	1
1	4 088 71	4 091 13	13	1
1 I 10	4 088 72	4 091 14	16	1
1	4 088 73	4 091 15	20	1
1	4 088 74	4 091 16	25	1
1	4 088 75	4 091 17	32	1
1	4 088 76	4 091 18	40	1
1	4 088 77	4 091 19	50	1
1	4 088 78	4 091 20	63	1
1		4 085 99	80	1.5
1		4 086 00	100	1.5
1		4 086 01	125	1.5

2-pole 230/400 V~

	B curve	C curve	Nominal rating In (A)	Number of modules
1	4 089 35	4 091 95	1	2
1	4 089 36	4 091 96	2	2
1	4 089 37	4 091 97	3	2
1	4 089 39	4 091 99	6	2
1	4 089 40	4 092 00	10	2
1	4 089 41	4 092 01	13	2
1	4 089 42	4 092 02	16	2
1	4 089 43	4 092 03	20	2
1	4 089 44	4 092 04	25	2
1	4 089 45	4 092 05	32	2
1	4 089 46	4 092 06	40	2
1	4 089 47	4 092 07	50	2
1	4 089 48	4 092 08	63	2
1		4 086 40	80	3
1		4 086 41	100	3
1		4 086 42	125	

3-pole 400 V~

	B curve	C curve	Nominal rating In (A)	Number of modules
1	4 089 84	4 092 47	1	3
1	4 089 85	4 092 48	2	3
1	4 089 86	4 092 49	3	3
1	4 089 88	4 092 51	6	3
1	4 089 89	4 092 52	10	3
1	4 089 90	4 092 53	13	3
1	4 089 91	4 092 54	16	3
1	4 089 92	4 092 55	20	3
1	4 089 93	4 092 56	25	3
1	4 089 94	4 092 57	32	3
1	4 089 95	4 092 58	40	3
1	4 089 96	4 092 59	50	3
1	4 089 97	4 092 60	63	3
1		4 086 62	80	4.5
1		4 086 63	100	4.5
1		4 086 64	125	4.5

4-pole 400 V~

Pack	Cat.Nos		Nominal rating In (A)	Number of modules
	B curve	C curve		
1	4 090 58	4 093 29	1	4
1	4 090 59	4 093 30	2	4
1	4 090 60	4 093 31	3	4
1	4 090 62	4 093 33	6	4
1	4 090 63	4 093 34	10	4
1	4 090 64	4 093 35	13	4
1	4 090 65	4 093 36	16	4
1	4 090 66	4 093 37	20	4
1	4 090 67	4 093 38	25	4
1	4 090 68	4 093 39	32	4
1	4 090 69	4 093 40	40	4
1	4 090 70	4 093 41	50	4
1	4 090 71	4 093 42	63	4
1		4 087 03	80	6
1		4 087 04	100	6
1		4 087 05	125	6

3-pole 400 V~ - D curve

	D curve	Nominal rating In (A)	Number of modules
1	4 087 69	80	4.5
1	4 087 70	100	4.5
1	4 087 71	125	4.5

Supply busbars and modular distribution blocks **p. 178**

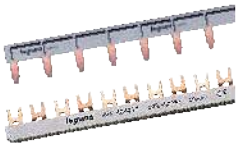


MCBs DX³ - 16 kA - direct current

thermal magnetic circuit breakers from 0.5 A to 63 A



4 095 69



Technical characteristics **see e-catalogue**

Operating voltage from 12 V⎓ to 500 V⎓
Breaking capacity
16 kA - IEC 60947-2 - 230 V⎓
10 kA - IEC 60947-2 - 440 V⎓
6 kA - IEC 60947-2 - 500 V⎓
Magnetic threshold from 5 to 7 In
Can be equipped with DX³ signalling and remote tripping auxiliaries and motorised controls (p. 60-61)

Direct current circuit breakers

Pack	Cat.Nos	Nominal rating In (A)	Number of poles protected	Number of modules
1	4 095 59	0.5	2	2
1	4 095 60	1	2	2
1	4 095 61	1,6	2	2
1	4 095 62	2	2	2
1	4 095 63	3	2	2
1	4 095 64	4	2	2
1	4 095 65	6	2	2
1	4 095 66	8	2	2
1	4 095 67	10	2	2
1	4 095 68	16	2	2
1	4 095 69	20	2	2
1	4 095 70	25	2	2
1	4 095 71	32	2	2
1	4 095 72	40	2	2
1	4 095 73	50	2	2
1	4 095 74	63	2	2

For detailed dimensions, **see e-catalogue**

MANUAL SUPPLY INVERTORS, FRONT EXTERNAL HANDLES

Discover the new products

Thanks to the new manual supply invertors you can improve the continuity of service of your installation.
The front external rotary handles allow a better control of the modular devices without opening the door of the enclosure.



Manual supply invertor p. 61

MANUAL SUPPLY INVERTOR (MSI)

For 2P, 3P and 4P DX³ and MCBs and remote trip isolating switches
For manually switching between mains and an alternative power supply



Front external rotary handle p. 61

EXTERNAL HANDLE

For all DX³, TX³ and RX³ devices from 2P upwards.
Allow the manual control of the modular devices without opening the enclosure
Available in two versions : with black or yellow & red handle

Other new products:
DX³ add-on modules with integrated measuring unit **p. 59**



Installation principle **see e-catalogue**

MCBs DX³ - 25 kA

thermal magnetic MCBs from 2 A to 125 A - C and D curves



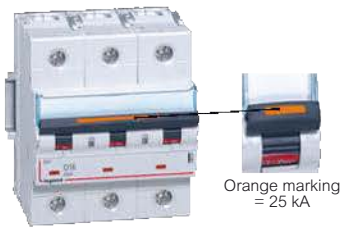
4 097 72



4 098 24



4 098 03



4 098 33

Technical characteristics **see e-catalogue**

Breaking capacity:
25 kA - IEC 60947-2 - 400 V~
Can be equipped with DX³ signalling and remote tripping auxiliaries and motorised controls (p. 60-61)

Single pole 230/400 V~

Pack	Cat.Nos		Nominal rating In (A)	Number of modules
	C curve	D curve		
1	4 097 52	4 098 04	2	1
1	4 097 53	4 098 05	6	1
1	4 097 54	4 098 06	10	1
1	4 097 55	4 098 07	16	1/1.5
1	4 097 56	4 098 08	20	1/1.5
1	4 097 57	4 098 09	25	1/1.5
1	4 097 58	4 098 10	32	1.5
1	4 097 59	4 098 11	40	1.5
1	4 097 60	4 098 12	50	1.5
1	4 097 61	4 098 13	63	1.5
1	4 097 62	4 098 14	80	1.5
1	4 097 63	4 098 15	100	1.5
1	4 097 64	4 098 16	125	1.5

2-pole - 230/400 V~

Pack	Cat.Nos		Nominal rating In (A)	Number of modules
	C curve	D curve		
1	4 097 65	4 098 17	2	2
1	4 097 66	4 098 18	6	2
1	4 097 67	4 098 19	10	2
1	4 097 68	4 098 20	16	2
1	4 097 69	4 098 21	20	2
1	4 097 70	4 098 22	25	2
1	4 097 71	4 098 23	32	2/3
1	4 097 72	4 098 24	40	3
1	4 097 73		50	3
1	4 097 74		63	3
1	4 097 75		80	3
1	4 097 76		100	3
1	4 097 77		125	3

3-pole - 400 V~

Pack	Cat.Nos		Nominal rating In (A)	Number of modules
	C curve	D curve		
1	4 097 78	4 098 30	2	3
1	4 097 79	4 098 31	6	3
1	4 097 80	4 098 32	10	3
1	4 097 81	4 098 33	16	3/4.5
1	4 097 82	4 098 34	20	3/4.5
1	4 097 83	4 098 35	25	3/4.5
1	4 097 84	4 098 36	32	4.5
1	4 097 85	4 098 37	40	4.5
1	4 097 86	4 098 38	50	4.5
1	4 097 87	4 098 39	63	4.5
1	4 097 88	4 098 40	80	4.5
1	4 097 89	4 098 41	100	4.5
1	4 097 90	4 098 42	125	4.5

4-pole - 400 V~

			Nominal rating In (A)	Number of modules
	C curve	D curve		
1	4 097 91	4 098 43	2	4
1	4 097 92	4 098 44	6	4
1	4 097 93	4 098 45	10	4
1	4 097 94	4 098 46	16	4/6
1	4 097 95	4 098 47	20	4/6
1	4 097 96	4 098 48	25	4/6
1	4 097 97	4 098 49	32	6
1	4 097 98	4 098 50	40	6
1	4 097 99	4 098 51	50	6
1	4 098 00	4 098 52	63	6
1	4 098 01	4 098 53	80	6
1	4 098 02	4 098 54	100	6
1	4 098 03	4 098 55	125	6

DX³ - 25 kA Z curve and DX³ - 36 kA MCBs
Please, consult us

MCBs DX³ - 50 kA

thermal magnetic MCBs from 10 A to 63 A - C and D curves



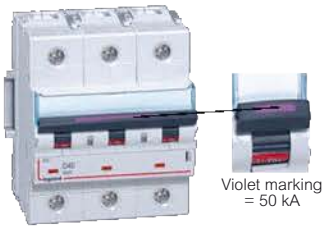
4 101 51



4 102 00



4 101 80



Violet marking
= 50 kA

4 102 17

Technical characteristics **see e-catalogue**

Breaking capacity:
50 kA - IEC 60947-2 - 400 V∿
Can be equipped with DX³ signalling and remote tripping auxiliaries and motorised controls (p. 60-61)

Single pole 230/400 V∿

Pack	Cat.Nos		Nominal rating In (A)	Number of modules
	C curve	D curve		
1	4 101 34	4 101 86	10	1.5
1	4 101 35	4 101 87	16	1.5
1	4 101 36	4 101 88	20	1.5
1	4 101 37	4 101 89	25	1.5
1	4 101 38	4 101 90	32	1.5
1	4 101 39	4 101 91	40	1.5
1	4 101 40	4 101 92	50	1.5
1	4 101 41	4 101 93	63	1.5

2-pole - 230/400 V∿

Pack	Cat.Nos		Nominal rating In (A)	Number of modules
	C curve	D curve		
1	4 101 47	4 101 99	10	3
1	4 101 48	4 102 00	16	3
1	4 101 49	4 102 01	20	3
1	4 101 50	4 102 02	25	3
1	4 101 51	4 102 03	32	3
1	4 101 52	4 102 04	40	3
1	4 101 53		50	3
1	4 101 54		63	3

3-pole - 400 V∿

Pack	Cat.Nos		Nominal rating In (A)	Number of modules
	C curve	D curve		
1	4 101 60	4 102 12	10	4.5
1	4 101 61	4 102 13	16	4.5
1	4 101 62	4 102 14	20	4.5
1	4 101 63	4 102 15	25	4.5
1	4 101 64	4 102 16	32	4.5
1	4 101 65	4 102 17	40	4.5
1	4 101 66	4 102 18	50	4.5
1	4 101 67	4 102 19	63	4.5

4-pole - 400 V∿

Pack	Cat.Nos		Nominal rating In (A)	Number of modules
	C curve	D curve		
1	4 101 73	4 102 25	10	6
1	4 101 74	4 102 26	16	6
1	4 101 75	4 102 27	20	6
1	4 101 76	4 102 28	25	6
1	4 101 77	4 102 29	32	6
1	4 101 78	4 102 30	40	6
1	4 101 79	4 102 31	50	6
1	4 101 80	4 102 32	63	6

For detailed dimensions,
see e-catalogue

Add-on modules DX³

for 1 module/pole DX³ MCBs


4 104 01


4 104 71


4 105 55

Technical characteristics **see e-catalogue**

Conform to IEC 61009-1
- AC type : detect AC components faults
- A type : detect AC and DC component faults
- Hpi type Hpi: detect faults with AC and DC components, increased immunity to false tripping

For mounting on the right-hand side of 1 module per pole DX³ MCBs

2-pole - 230 V~

Pack	Cat.Nos	Sensitivity (mA)	Nominal rating In (A)	Number of modules
		AC Type		
1	4 104 01	30	40	2
1	4 104 02	30	63	2
1	4 104 13	300	40	2
1	4 104 14	300	63	2
1	4 104 24	300 selective	63	2
1	4 104 26	1000 selective	63	2
		A Type		
1	4 104 28	30	40	2
1	4 104 29	30	63	2
1	4 104 31	300	40	2
1	4 104 32	300	63	2
		Hpi Type Hpi		
1	4 104 35	30	63	2

3-pole - 400 V~

Pack	Cat.Nos	Sensitivity (mA)	Nominal rating In (A)	Number of modules
		AC Type		
1	4 104 71	30	40	3
1	4 104 72	30	63	3
1	4 104 74	300	40	3
1	4 104 75	300	63	3
1	4 104 77	300 selective	63	3
		A Type		
1	4 104 80	30	63	3
1	4 104 83	300	63	3
		Hpi Type Hpi		
1	4 104 86	30	63	3

4-pole - 400 V~

Pack	Cat.Nos	Sensitivity (mA)	Nominal rating In (A)	Number of modules
		AC Type		
1	4 104 99	30	40	3
1	4 105 00	30	63	3
1	4 105 11	300	40	3
1	4 105 12	300	63	3
1	4 105 21	300 selective	63	3
1	4 105 23	1000 selective	63	3
		A Type		
1	4 105 25	30	40	3
1	4 105 26	30	63	3
1	4 105 28	300	40	3
1	4 105 29	300	63	3
1	4 105 31	300 selective	63	3
		Hpi Type Hpi		
1	4 105 34	30	63	3
1	4 105 55	300 selective	63	3

Add-on modules DX³

for 1.5 module/pole DX³ MCBs



4 106 43



4 106 59

Technical characteristics **see e-catalogue**

Conform to IEC 61009-1
• AC type ~: detect AC components faults
• Hpi type ~ Hpi: detect faults with AC and DC components, increased immunity to false tripping
For mounting on the right-hand side of 1.5 module per pole DX³ MCBs

Pack	Cat.Nos			
		2-pole - 230 V~		
		AC Type ~ 30 mA		
		Sensitivity (mA)	Nominal rating In (A)	Number of modules
1	4 105 68	30	125	4
1	4 105 71	300	125	4
		Hpi Type ~ Hpi		
1	4 105 76	30	63	2
1	4 105 78	30	125	4
1	4 105 82	300	125	4
		Hpi Type ~ Hpi adjustable		
1	4 105 83	from 300 to 1000	63	4
		3-pole - 400 V~		
		Hpi Type ~ Hpi		
		Sensitivity (mA)	Nominal rating In (A)	Number of modules
1	4 106 05	30	63	3
1	4 106 08	300	63	3
		Hpi Type ~ Hpi adjustable		
1	4 106 11	from 300 to 1000	63	6
		4-pole - 400 V~		
		AC Type ~		
		Sensitivity (mA)	Nominal rating In (A)	Number of modules
1	4 106 25	30	125	6
1	4 106 29	300	125	6
		Hpi Type ~ Hpi		
1	4 106 36	30	63	3
1	4 106 38	30	125	6
1	4 106 40	300	63	3
1	4 106 42	300	125	6
		Hpi Type ~ Hpi adjustable		
1	4 106 43	from 300 to 1000	63	6
		4-pole 400 V~ - Metering		
		LCD display For displaying active energy, instantaneous power and current per phase (A) consumption		
	N	**Hpi type ~ Hpi with integrated energy meter**		
		Sensitivity (mA)	Nominal rating (A)	Number of modules
1	4 106 57	30 à 3000	63	7.5
1	4 106 58	30 à 3000	125	7.5
		4-pole 400 V~ - Measurement		
		LCD display For displaying current per phase, voltage, frequency, active and reactive power, power factor, active and reactive energy consumption and harmonics		
	N	**Hpi type ~ Hpi with integrated measurement control unit**		
		Sensitivity (mA)	Nominal rating (A)	Number of modules
1	4 106 59	30 à 3000	125	7.5

Add-on modules DX³

Compatibility MCBs/add-on modules

Breaking capacity	Curve	Number of poles	Add-on module for 1 module/pole MCBs	Add-on module for 1.5 module/pole MCBs
6000 / 10 kA	B, C, D	2P, 3P, 4P	All range	-
10000 / 16 kA	B, C, D	2P, 3P, 4P	In ≤ 63 A	In ≥ 80 A
25 kA	B, C, Z	3P, 4P	In ≤ 25 A	In ≥ 32 A
		2P	In ≤ 32 A	In ≥ 40 A
	D	3P, 4P	In ≤ 10 A	In ≥ 12,5 A
		2P	In ≤ 25 A	In ≥ 32 A
50 kA	B, C, D	2P, 3P, 4P	-	All range

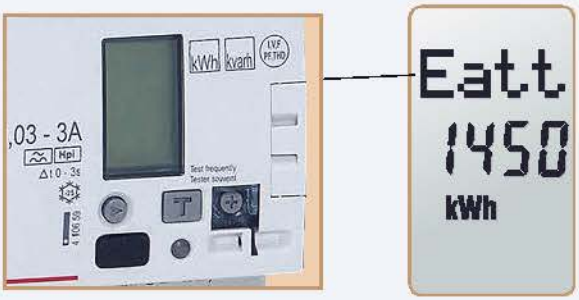
Adjustable add-on modules, Hpi type

Easy to access settings on front panel with sealable transparent cover
Sensitivity: 300, 500 and 1000 mA
Time delay: instantaneous, selective (60 ms) or delayed (150 ms)



Hpi add-on modules with integrated metering unit or measurement control unit

Conform to standards EN 61009-1, EN 60947-2 and 61557-12 (PMD/DD/K55)
Electronic settings on the front panel
Sensitivity: 30, 300, 1000, 3000 mA
Time delay: instantaneous, or delayed (300 ms, 1 s, 3 s)
For integration in the EDMX³ display and supervision system with interface Cat.No 4 210 75 (p. 85), to feed back information and the status of the remote MCB.
Precision: EN 61557-12 Class 1



For detailed dimensions, **see e-catalogue**

Signalling and remote tripping auxiliaries DX³


4 062 58


4 062 60


4 062 62


4 062 66


4 062 78


4 062 82


4 062 86

Signalling auxiliaries prong busbar adapted

To fit on the left-hand side of DX³ and TX³ devices
Maximum number of auxiliaries per device:
- 3 signalling auxiliaries or
- 2 signalling auxiliaries + 1 remote tripping auxiliary
Allow insertion of the supply busbar, top side
No tool required for joining together the auxiliary and the main device.

Pack	Cat.Nos		Number of modules
		Auxiliary contact	
1	4 062 58	6 A - 250 V~ (changeover switch) For MCBs, RCBOs, RCCBs, isolating switches or remote trip isolating switches Indicates the position of the contacts of its associated device.	0.5
		Fault signalling contact	
1	4 062 60	6 A - 250 V~ (changeover switch) For MCBs, RCBOs, RCCBs, Indicates the fault tripping of its associated device	0.5
		Auxiliary or fault signalling contact	
1	4 062 62	6 A - 250 V~ (changeover switch) For MCBs, RCBOs, RCCBs Allows the choice between the two functions	0.5
		Auxiliary + fault signalling contact or auxiliary contact + auxiliary contact	
1	4 062 66	6 A - 250 V~ (changeover switch) For MCBs, RCBOs, RCCBs	1

Signalling auxiliaries fork busbar adapted

To fit on the left-hand side of DX³ and TX³ devices
Maximum number of auxiliaries per device:
- 3 signalling auxiliaries or
- 2 signalling auxiliaries + 1 remote tripping auxiliary
Allow insertion of supply busbar, bottom side
No tool required for joining together the auxiliary and the main device.

Pack	Cat.Nos		Number of modules
		Auxiliary contact	
1	4 062 50	6 A - 250 V~(changeover switch) For MCBs, RCBOs, RCCBs, isolating switch or remote trip isolating switch Indicates the position of the contacts of its associated device	0.5
		Fault signalling contact	
1	4 062 52	6 A - 250 V~ (changeover switch) For MCBs, RCBOs, RCCBs, Indicates the fault tripping of its associated device	0.5
		Auxiliary or fault signalling contact	
1	4 062 56	6 A - 250 V~ (changeover switch) For MCBs, RCBOs, RCCBs Allows the choice between the two functions	0.5
		Auxiliary + fault signalling contact or auxiliary contact + auxiliary contact	
1	4 062 64	6 A - 250 V~ (changeover switch) For MCB, RCBOs, RCCBs	1

Remote tripping auxiliaries

To fit on the left-hand side of DX³ and TX³ devices
Maximum 1 remote tripping auxiliary per device
Allow insertion of the supply busbar
No tool required for joining together the auxiliary and the main device.
For MCBs, RCBOs, RCCBs and remote trip isolating switches

Pack	Cat.Nos		Number of modules
		Current shunt trips	
		For remote tripping of its associated device via a N/O push button	
1	4 062 76	12 to 48 V~/ ⎓	1
1	4 062 78	110 to 415 V~	1
		Undervoltage releases	
		For remote tripping of its associated device in case of mains voltage drop down or with the help of a N/C push button	
1	4 062 80	24 to 48 V~/ ⎓	1
1	4 062 82	230 V~	1
		Power overvoltage protection (POP)	
1	4 062 86	Protects the circuit by tripping its associated device in case of overvoltage between phase and neutral. Tripping threshold : 275 V (eg. in case of neutral failure)	1
		Autonomous shunt trip for N/C push-button	
1	4 062 87	230 V~ For remote tripping with positive security on a control circuit via a N/C push-button or emergency stop. Does not trigger its associated device in case of mains power failure (the trigger occurs only after a deliberate action of a N/C push-button). Supplied with battery Mimimum working reserve : 60 hours (for remote tripping even if there is no supply voltage)	1.5
1	4 062 85	Spare battery for autonomous shunt trip Cat.No 4 062 87	

Motorised controls DX³, STOP&GO automatic resseting


4 062 91


4 062 92


4 062 88

Pack	Cat.Nos	Motorised controls		
		For remote control (opening and closing) of their associated device. To fit on the left-hand side of DX³ and TX³ devices For MCBs, RCBOs, RCCBs and remote trip isolating switches (from 1P to 4P) Can take one control auxiliary and one signalling auxiliary. No tool required for joining together the motorised control and the main device		
		ON/OFF function - for 1 module / pole devices (In up to 63 A)	Control voltage	Number of modules
1	4 062 90		24-48 V~/⎓	1
1	4 062 91		230 V~	1
		ON/OFF function - for 1.5 module / pole devices (In up to 125 A)		
1	4 062 92		230 V~	1
		ON/OFF + automatic resetting function - for 1 module / pole devices (In up to 63 A)		
		Automatically resets the device to which it is associated, thus ensuring continuity of service		
1	4 062 93		24-48 V~/⎓	2
1	4 062 95		230 V~	2
		STOP&GO automatic resetting		
		For automatic resetting of 1 module per pole RCCBs and RCBOs up to 63 A STOP&GO is used in the event of unwanted tripping generated by temporarily electrical disturbances or other external events. Can take one control auxiliary and one signalling auxiliary. The signalling auxiliary must be placed between the STOP&GO and the control auxiliary. No tool required for assembling		
		Automatic resetting function	Control voltage	No. of modules
1	4 062 88		230 V~	2
		Automatic resetting + periodic self-test function		
1	4 062 89		230 V~	2

Manual supply invertor DX³ and accessories

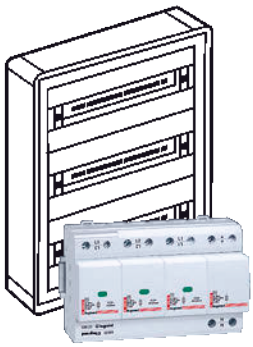

4 063 14


4 063 19

Pack	Cat.Nos	Manual supply invertor (MSI)
		For manually switching between the mains and an alternative power supply. Allow to restore power on pre-designated and/or critical circuits in case of a power failure of the main supply. For DX³ MCBs and remote trip isolating switches Installation principle - see e-catalogue
1	4 063 14	For 2P 2-module devices
1	4 063 15	For 3P 3-module devices
1	4 063 16	For 4P 4-module devices
		Front external rotary handles
		Allow the manual control (open/close) of a modular device without opening the enclosure For all DX³, TX³ and RX³ devices from 2P upwards Supplied with bracket, connection rod, handle, self-adhesive drilling template and connection accessories Installation principle - see e-catalogue
1	4 063 19	Black handle
1	4 063 20	Yellow and red handle
		Wiring management accessories
		Insulating shields
		For 1 module per pole MCBs
1	4 063 05	For separation between the terminals of the MCB, when using high cross section cables
		Spacing unit with feedthrough
10	4 063 07	0.5 module Allows cables to run between two modular devices and creates an air channel in order to limit temperature rise
		Terminals for aluminium cables
1	4 063 10	For 1.5 module/pole MCBs up to 63 A
1	4 063 11	For 1.5 module/pole MCBs and remote trip isolating switches from 80 A to 125 A
		Safety and maintenance accessories
		Sealable screw covers
2	4 063 04	For 1 module per pole MCBs (set of 4)
1	4 063 12	For 1.5 module per pole MCBs (set of 4)
		Terminal shield
1	4 063 06	For 1.5 module/pole MCBs (set of 2)
		Padlocking
		To lock the handle of a modular device during maintenance
1	0 227 97	Large padlock, Ø6 mm, 50 mm length Supplied with two keys and labels
3	4 063 13	Small padlock, Ø5 mm
2	4 063 03	Support for one padlock (for small or large model) For locking the handle of the modular devices (MCBs, RCCBs, RCBOs or isolating switches) in OFF position

Voltage surge protectors
p. 64

Select your Voltage Surge Protector and its corresponding protection

STEP 1 Define the type of building	STEP 2 Define the risk level and the network type		STEP 3 + 4 Optimize protection against lightning effects (V.S.P. cascading[1]) and Protect the installation against short-circuits and overloads		
			LEVEL 1 MAIN BOARD		LEVEL 2 DISTRIBUTION BOARD
					
RESIDENTIAL BUILDINGS AND SMALL OFFICES	**RISK LEVEL**	**NETWORK TYPE**	**V.S.P. + CORRESPONDING PROTECTION** **Icc ≤ 6 kA**		**V.S.P. + CORRESPONDING PROTECTION** **Icc ≤ 6 kA**
INDIVIDUAL HOUSES AND BLOCKS OF FLATS AND SMALL OFFICES	Very high	2P	2 x 0 039 10 + 0 034 37	+	0 039 41 + 0 034 34
		3P	3 x 0 039 10 + 0 034 55		3 x 0 039 40 + 0 034 52
		4P	4 x 0 039 10 + 0 034 97		0 039 43 + 0 034 94
	High	2P	0 039 31 + 0 034 34	+	0 039 41 + 0 034 34
		3P	0 039 32 + 0 034 52		3 x 0 039 40 + 0 034 52
		4P	0 039 33 + 0 034 94		0 039 43 + 0 034 94
	Medium	2P	0 039 41 + 0 034 34	+	0 039 41 + 0 034 34
		3P	3 x 0 039 40 + 0 034 52		3 x 0 039 40 + 0 034 52
		4P	0 039 43 + 0 034 94		0 039 43 + 0 034 94
OFFICES AND INDUSTRIAL BUILDINGS	**RISK LEVEL**	**NETWORK TYPE**	**V.S.P. + ASSOCIATED PROTECTION** **Icc ≤ 50 kA**		**V.S.P. + ASSOCIATED PROTECTION** **Icc ≤ 25 kA**
OFFICE BUILDINGS AND INDUSTRIAL BUILDINGS	Very high	2P	2 x 0 030 00 + 2 x 0 173 65 (T1)	+	0 039 31 + 4 097 69
		3P	0 030 22 + 3 x 0 173 65 (T1) (IT earthing system: 3 x 0 030 00 + 3 x 0 173 65 (T1))		0 039 32 + 4 097 82
		4P	0 030 23 + 3 x 0 173 65 (T1) (IT+N earthing system: 4 x 0 030 00 + 4 x 0 173 65 (T1))		0 039 33 + 4 097 95
	High	2P	0 039 21 + 4 101 52	+	0 039 31 + 4 097 69
		3P	0 039 22 + 4 101 65		0 039 32 + 4 097 82
		4P	0 039 23 + 4 101 78		0 039 33 + 4 097 95
	Medium	2P	0 039 21 + 4 101 52	+	0 039 31 + 4 097 69
		3P	0 039 22 + 4 101 65		0 039 32 + 4 097 82
		4P	0 039 23 + 4 101 78		0 039 33 + 4 097 95

1: A correct protection can not be achieved with level 1 V.S.P. only (at least two levels are needed)

Select your Voltage Surge Protector and its corresponding protection

		LEVEL 3 PROXIMITY	COMMUNICATION LINES
		 Cat.No 0 775 40	
		PROXIMITY V.S.P.	**INSIDE COMMUNICATION DISTRIBUTION BOX**
	+	Mosaic Programme Cat.No 0 775 40 (p. 794) or Multioutlet extensions Cat.Nos 6 946 51/56 (p. 578)	Protection of all the lines entering the building is strongly recommended (including communication lines: telephone, data, etc.)
		PROXIMITY V.S.P.	**INSIDE COMMUNICATION DISTRIBUTION BOX**
	+	Mosaic Programme Cat.No 0 775 40 (p. 794) or Multioutlet extensions Cat.Nos 6 946 51/56 (p. 578)	Protection of all the lines entering the building is strongly recommended (including communication lines: telephone, data, etc.)

For a complete protection all incoming lines (entering into the buildings) should be protected with V.S.Ps (including telephone and data lines)

Define the risk level (STEP 2)

Irrespective of the requirements in the standards, the use of a voltage surge protector is strongly recommended in most cases (production losses, safety services, cost of equipment, etc.). Voltage surge protectors can be chosen for any type of installation based on the risk levels, which are defined as follows:

Risk level:



- Very high risk: installation equipped with external lightning conductors (L.P.S.), with a metallic structure higher than surrounding buildings (or any object that can act as a lightning conductor), an installation that is isolated and located at a high point (top of mountains), or an installation that has been subject to previous lightning strikes

IEC 60364: V.S.P. compulsory at the origin of the installation (main board) with L.P.S. (lightning protection system)



- High risk: installation with overhead power supply, in a mountainous area, isolated, at the end of a line, near a body of water, trees, etc.

IEC 60364: V.S.P. compulsory with overhead lines in AQ2 areas (see p. 65)



- Medium risk: other types of installation (installations in urban areas, in low, flat areas and low and medium height mountainous areas, underground power supplies, etc.)

Optimize protection (STEP 3)

Protection of an installation against transient overvoltages can only generally be guaranteed with several levels of voltage surge protectors used together in cascade (see e-catalogue). In addition to the energy aspect explained below, 2 or 3 levels of voltage surge protectors are in fact usually necessary in order to limit overvoltages connected with the fact that lightning is a high frequency phenomenon

In order to limit overvoltages as much as possible, a voltage surge protector must always be installed as close as possible to the equipment to be protected. However, proximity protection (Level 3) on its own can only protect the equipment connected to it downstream, and above all, it cannot adequately limit the energy. To do this, a voltage surge protector is necessary at the head of the installation (Level 1) to shunt the majority of the energy to earth

Likewise, a voltage surge protector on its own at the head of the installation (Level 1) cannot protect the whole installation and the equipment connected to it, due to the fact that it allows residual energy to pass and that lightning is a high frequency phenomenon (see e-catalogue)

For these reasons, depending on the scale of the installation and the types of risk (exposure and sensitivity of equipment, criticality of continuity of service), circuit protection (Level 2) is necessary in addition to protection of the head of the installation

Protect the installation against short-circuit and overloads (STEP 3)

The supply circuit of the VSP must always be protected against short-circuits and overloads by its associated protection device in accordance with discrimination rules

Select the corresponding MCB with the short-circuit rating adapted to your installation requirements

V.S.P. Cat.No	0 039 10/20/21/22/23			0 039 30/31/32/33/40/41/43		
Type	**2P**	**3P**	**4P**	**2P**	**3P**	**4P**
Caliber	**40 A**	**40 A**	**40 A**	**20 A**	**20 A**	**20 A**
≤ 6 kA	0 034 37	0 034 55	0 034 97	0 034 34	0 034 52	0 034 94
≤ 10 kA	4 078 04	4 078 63	4 079 32	4 078 01	4 078 60	4 079 29
≤ 16 kA	4 092 06	4 092 58	4 093 40	4 092 03	4 092 55	4 093 37
≤ 25 kA	4 097 72	4 097 85	4 097 98	4 097 69	4 097 82	4 097 95
≤ 50 kA	4 101 52	4 101 65	4 101 78	not allowed	not allowed	not allowed

Associated protection possible with all types of modular MCBs (DX-E and DX³) if rated 20A or 40A as above stated

For association with 36kA MCBs, please consult us

Protection of VSPs can not be done with ACBs or MCCBs (DPX³ or DMX³ for example) and an extra protection

Voltage surge protectors low voltage type 1 (class I / B)



0 030 23



0 030 28

Technical characteristics and dimensions **see e-catalogue**

Type 1 voltage surge protectors (V.S.P.) for main distribution boards
Conform to standards IEC 61643-1 and EN 61643-11
3 different impulse discharge ratings
For 230/400 V~ - 50/60 Hz networks
Especially for use in installations at very high risk and/or with external lightning protection of the building

Pack	Cat.Nos	Main board protection	Number of poles	Corresponding protection	Number of modules
		High lightning protection - H - Iimp = 50 kA For power installations Earthing system: TT, TN, IT No plug-in module			
1	0 030 00		1P	gG type - max. 250 A	2
		Increased lightning protection - E - Iimp = 25 kA For power installations Consist of a base and a plug-in replacement module provided with a status indicator • Green: surge protector operational • Red: module needs replacing Fitted with built-in thermal protection Equipped with auxiliary contacts for remote monitoring Reversible product, allowing connexion from the top or bottom			
1	0 030 22		3P TNC earthing system	gG type - max. 250 A	6
1	0 030 23		4P TT, TNS earthing system	gG type - max. 250 A	8
		Standard lightning protection - S - Iimp = 12.5 kA For all types of installations Equipped with status indicator: • Green: surge protector operational • Orange: needs replacing No plug-in module			
1	0 039 10[1]		1P TT, TN, IT earthing system	40 A - C curve	2

Pack	Cat.Nos	Replacement modules for type 1 V.S.P.
1	0 030 28	For V.S.P. Cat.Nos 0 030 20/22/23
1	0 030 29	For V.S.P. Cat.No 0 039 23 (N-PE module)

1: Corresponding protection: DX and DX³ MCBs or equivalent ranges according to required breaking capacity

Voltage surge protectors low voltage type 2 (class II / C)



0 039 21

Technical characteristics and dimensions **see e-catalogue**

Type 2 voltage surge protectors (V.S.P.) for main boards, distribution boards and consumer units
Conform to standards IEC 61643-1 and EN 61643-11
3 different impulse discharge ratings
For 230/400 V~ - 50/60 Hz networks

Pack	Cat.Nos	Main board protection	Number of poles	Corresponding protection	Number of modules
		High protection - H - Class I + II Imax = 70 kA Earthing systems: TT, TN, IT Consist of a base and a plug-in replacement module provided with a status indicator • Green: surge protector operational • Orange: module needs replacing Can be equipped with auxiliary contacts for remote monitoring purpose (p. 65)			
1	0 039 20[1]		1P	40A - C curve	1
1	0 039 21[1]		2P	40A - C curve	2
1	0 039 22[1]		3P	40A - C curve	3
1	0 039 23[1]		4P	40A - C curve	4
		Distribution board protection For electrical equipments located at more than 10 m from the main distribution board Consist of a base and a plug-in replacement module provided with a status indicator • Green: surge protector operational • Orange: module needs replacing Can be equipped with auxiliary contacts for remote monitoring purpose (p. 65)			
		Increased protection - E - Class II - Imax= 40 kA Earthing systems: TT, TN, IT			
1	0 039 30[1]		1P	20A - C curve	1
1	0 039 31[1]		2P	20A - C curve	2
1	0 039 32[1]		3P	20A - C curve	3
1	0 039 33[1]		4P	20A - C curve	4
		Increased protection - S - Class II - Imax= 15 kA Earthing systems: TT, TN			
1	0 039 40[1]		1P	20A - C curve	1
1	0 039 41[1]		2P	20A - C curve	2
1	0 039 43[1]		4P	20A - C curve	4

Pack	Cat.Nos	Replacement modules for type 2 V.S.P.
5	0 039 28	For V.S.P. Cat.Nos 0 039 20/21/22/23
5	0 039 34	For V.S.P. Cat.Nos 0 039 30/31/32/33
5	0 039 44	For V.S.P. Cat.Nos 0 039 40/41/43
5	0 039 39	For V.S.P. Cat.Nos 0 039 35/36/38 (old model voltage surge protector)

1: Corresponding protection: DX and DX³ MCBs or equivalent ranges according to required breaking capacity

Voltage Surge protector type 2 (Uc 320 VA) - 40 kA, **Please, consult us**

Voltage surge protectors for telephone lines and accessories for low voltage V.S.P.



0 038 28

Technical characteristics and dimensions **see e-catalogue**

Voltage surge protector for telephone and data lines

Reccommended for complete protection of installations already equipped with low voltage V.S.P. on power lines (standard IEC 60364)
For protection of: telephone, fax, modem, etc., connected to the incoming telephone line, against overvoltages of atmospheric origin
Installed in a distribution cabinet, especially the ELV/signal cabinet Cat.No 0 011 95 (please consult us), or terminal shield boxes 1 module (p. 190)
Connected in series with the telephone line
Provided with a status indicator
• green: surge protector operational
• orange: surge protector needs replacing
Conform to standards EN 61643-21 and IEC 61643-21
Imax: 10 kA and In: 5 kA (8/20)

Pack	Cat.Nos		Un (V)	Up (V)
1	0 038 28	Analogue (RTC and ADSL)	170	260
1	0 038 29	Digital (signal lines, current loops)	48	100

Signalling auxiliaries for low voltage V.S.P.

With changeover microswitch 2 A - 250 V~
Mounted on the backside of the surge protector (except Cat.No 0 039 10)

Pack	Cat.Nos	
1	0 039 56	For 2-pole module V.S.P.
1	0 039 57	For 3-pole module V.S.P.
1	0 039 58	For 4-pole module V.S.P.

Decoupling inductors

Enable coordination between 2 V.S.P. in the same board, when minimum distance to insure proper V.S.P. coordination can not be respected
For multipole voltage surge protectors, each conductor (including the neutral conductor) must be equipped with one decoupling inductor

Pack	Cat.Nos		Number of modules
1	0 039 62	Module for circuit 35 A - 500 V~	2
1	0 039 63	Module for circuit 63 A - 500 V~	4

Proximity protection
p. 578 and 794



Voltage surge protectors

Protection against lightning effects

Lightning directly or indirectly generates the following effects:
• thermal (blow-outs, fire)
• electrodynamic (loosening of terminals)
• rise in earth voltage (risk of electrocution)
• overvoltages of several thousand volts and destructive induced currents (damage to electrical and electronic equipment, interruption of operation)

Protection against the effects of lightning is based essentially on:
• catching and discharging the current to earth
• the use of voltage surge protectors
• the passive protection of the installation

Passive protection (poor, good) designates the part of the protection provided by the structure and the configuration of the installation itself (neutral earthing system, area, level of equipotentiality, etc.)

Voltage surge protectors and regulation

Voltage surge protector enable:
• protect sensitive devices against direct and indirect effects of lighning
• to limit harmful consequences on person security
• to insure the continuity of work

1 - Product standarts EN 61643-11 and IEC 61643-1

Voltage surge protectors are mainly classified in two levels (types):

EN 61643-11	Type 1 (T1)	Type 2 (T2)
IEC 61643-1	Class I (T1)	Class II (T2)
VDE 0675-6(1)	Class B	Class C
Type of wave	10/350 µs	8/20 µs
Main characteristics	Iimp (10/350) In (8/20)	In, Imax

1: German standard VDE replaced by European standard EN 61643-11

The V.S.P. Cat.No 0 039 20/21/22/23 are classified in both levels, also called T1+T2 or B+C

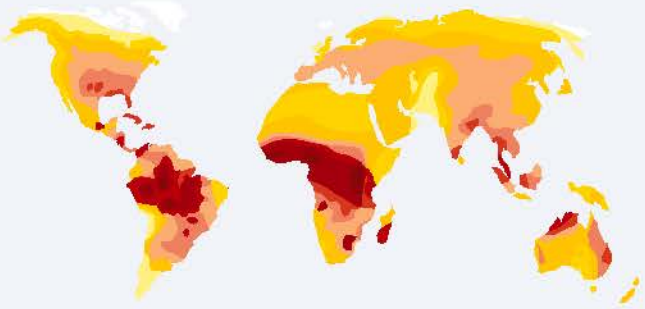
2 - Installation standards: IEC 60364 (or equivalent electric national standards)

According to articles 443 and 534, the use of VSPs is required in new or renovated buildings in the following cases:
• buildings equipped with lightning conductors: type 1 VSPs with In ≥ 12.5 kA
• buildings with overhead power supply in class AQ2 geographic zones (see map below: red zones): type 2 VSPs with In ≥ 5 kA
• buildings with medical services or equipped with safety systems (fire, etc.) in class AQ2 geographic zones: type 2 VSPs with In ≥ 5 kA

The use of VSPs is also strongly recommended in mountain areas, close to reaches of water or dominating structures (buildings, trees, etc.), in the cases of line end installations or installations located less than 50 m from buildings equipped with lightning conductors(2)
When VSPs are present on the power circuit, it is strongly advised to install a VSP on the communication circuits (telephone or data lines…)

2: Lightning conductors: external protection of buildings against direct lightning impacts

Choice of the level lightning protection



The annual average of stormy days (Nk)
0 - 1
2 - 4
5 - 9
10 - 19
20 - 39
40 - 59
60 - 79
80 - 99
100 - 139
140 - 200 +

AQ2 areas : Nk > 25
IEC 60364 : V.S.P. mandatory for installations supplied with overhead low voltage lines and located in AQ2 areas

Domestic fuse carriers


0 058 11


0 058 14


0 058 21


0 058 24

Dimensions **see e-catalogue**

With label-holders
With insulated carrier class II, padlockable
Coupling via supply busbars
Shielded terminals capacity 2 x 10 mm²
Possibilty to signal indicator blown fuse
Fuse not supplied

For domestic cylindrical cartridge fuses

Conform to EN 60269-1 and IEC 60269-1,3

Single pole

Pack	Cat.Nos	For domestic cartridges	Cartridge dimensions (mm)	Number of modules
10	0 058 10	10 A - 230 V~	8.5 x 23	1
10	0 058 11	16 A	10.3 x 25.8	1
10	0 058 12	20 A - 400 V~	8.5 x 31.5	1
10	0 058 13	25 A	10.3 x 31.5	1
10	0 058 14	32 A	10.3 x 38	1

Single pole + neutral

10	0 058 20	10 A - 230 V~	8.5 x 23	1
10	0 058 21	16 A	10.3 x 25.8	1
10	0 058 22	20 A - 400 V~	8.5 x 31.5	1
10	0 058 23	25 A	10.3 x 31.5	1
10	0 058 24	32 A	10.3 x 38	1

For miniature cylindrical cartridge fuses

Conform to EN 60127-6 and IEC 60127-6
To protect sensitive equipment:
transformers, electronic equipment, etc.

Single pole

		Cartridge dimensions (mm)	Voltage	Number of modules
5	0 058 00	5 x 20	250 V~	1

Single pole + neutral

5	0 058 02	5 x 20	250 V~	1

Domestic cartridge fuses


0 102 63


0 103 06


0 113 10


0 117 16


0 124 20


0 126 25


0 134 32

Miniature type 5 x 20

Instant reaction fuse - Ceramic body
Conform to EN/IEC 60127-2
High rupture capacity (A)
For use with dimmers, Viking terminal blocks and emergency lightning units, transformers

Pack	Cat.Nos	Rating (Amps)	Voltage ~ (Volts)	Rupture capacity (Amps)
10	0 102 02	0.2		
10	0 102 05	0.5		
10	0 102 06	0.63		
10	0 102 10	1		
10	0 102 20	2	250	1500
10	0 102 30	3.15		
10	0 102 50	5		
10	0 102 63	6.3		
10	0 102 96[1]	10	250	500

Cylindrical

Pack	Cat.Nos Without indicator	Cat.Nos With indicator	Rating (Amps)	Voltage ~ (Volts)	Rupture capacity (Amps) Copper	Protected section (mm²)	Color Indication
6.3 x 23							
10	0 103 06[2]		6	230	6000	1.5	
8.5 x 23							
10		0 114 06	6	230	6000		
10|100	0 113 10	0 114 10	10			1.5	
10.3 x 25.8							
10	0 116 10[2]		10	230	6000		
10	0 116 16[2]	0 117 16[2]	16			2.5	
8.5 x 31.5							
10|100	0 123 20	0 124 20	20	400	20000	2.5	
10.3 x 31.5							
10	0 126 16		16				
10	0 126 20		20	400	20000		
10	0 126 25	0 127 25	25			4	
10.3 x 38							
10|100	0 133 32		32	400	20000		
10		0 134 32	32			6	

Neutral links

Pack	Cat.Nos	
10	0 123 00	8 x 32 (previously 8.5 x 31.5)
10	0 133 00	10 x 38

1: Overrating not described by standarts
2: Conform to BS 1361 (1971)

Isolating fuse carriers


0 058 06


0 058 28


0 058 48

Dimensions **see e-catalogue**

Pack	Cat.Nos	For industrial cylindrical cartridge fuses type aM or gG		
		Conform to standard IEC 60269-2 Isolators conform to IEC 60947-3 Icc: - 20 kA with 8.5 x 31.5 cartridge fuse - 100 kA with 10 x 38 cartridge fuse Fuse not supplied (p. 159)		
		Single pole		
		Cartridge dimensions (mm)	Voltage	Number of modules
10	0 058 06[1]	8.5 x 32	400 V~	1
10	0 058 08	10 x 38	500 V~	1
		Single pole + neutral		
10	0 058 16[1]	8.5 x 32	400 V~	1
10	0 058 18	10 x 38	500 V~	1
		2-pole		
5	0 058 26[1]	8.5 x 32	400 V~	2
5	0 058 28	10 x 38	500 V~	2
		3-pole		
3	0 058 36[1]	8.5 x 32	400 V~	3
3	0 058 38	10 x 38	500 V~	3
		3-pole + neutral		
2	0 058 46[1]	8.5 x 32	400 V~	4
2	0 058 48	10 x 38	500 V~	4
		Accessoires		
10	0 057 90	Blow-out indicator 250 V~		
1	0 057 96	Early break N/O + N/C contact auxiliary 5 A - 250 V~ (0.5 module)		
2	0 044 44	Sealable screw cover (4 separable poles)		


Blow-out indicator


Sealable screw cover

1: Previously 8.5 x 31.5 mm

Photovoltaic installations
Please, consult us

LEGRAND PACKAGING

practical & eco-friendly

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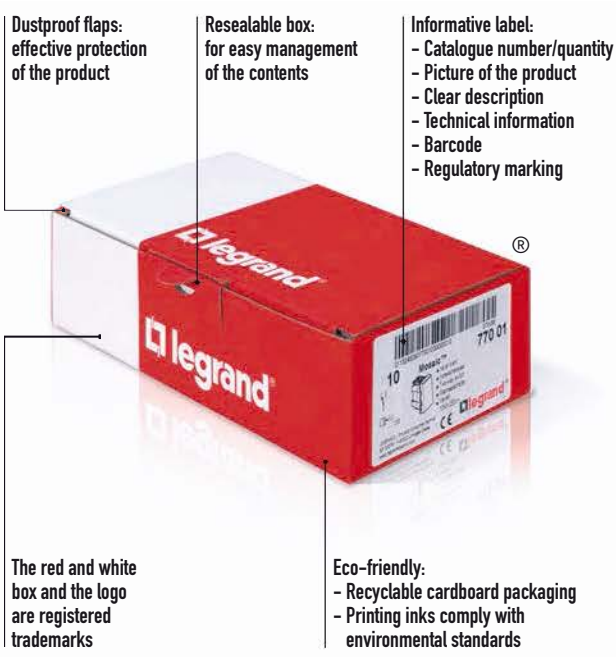

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Pulse operated latching relays CX³


4 124 01


4 124 12


0 491 20


4 124 29


4 124 36

Dimensions **see e-catalogue**

Noiseless pulse operated latching relay

Conform to standard EN 60669-2-2

Single pole - 16 A - 250 V~

Pack	Cat.Nos	Control voltage	Type of contact	Connection	Number of modules
1	4 124 00	230 V	1 N/O		1

Delayed noiseless pulse operated latching relay

Switch-off, pre-warning function
Conform to standard EN 60669-2-2

Single pole - 16 A - 250 V~

Pack	Cat.Nos	Control voltage	Type of contact	Connection	Number of modules
1	4 124 01	230 V	1 N/O		1

Standard pulse operated latching relays

Conform to standard EN 60669-2-2
Maximum 2 auxiliary devices per latching relay

Single pole - 16 A - 250 V~

Pack	Cat.Nos	Control voltage	Type of contact	Connection	Number of modules
1	4 124 04	12 V	1 N/O		1
1	4 124 05	24 V	1 N/O		1
10	4 124 08	230 V	1 N/O		1

2-pole - 16 A - 250 V~

1	4 124 10	24 V	2 N/O		1
1	4 124 11	48 V	2 N/O		1
10	4 124 12	230 V	2 N/O		1

4-pole - 16 A - 250 V~

Can be used for 3-pole assembly

1	4 124 14	24 V	4 N/O		2
1	4 124 16	230 V	4 N/O		2

Surface mounting pulse operated latching relays

10 A - 230 V~ - 50/60 Hz
Suitable for new installations or retrofitting of existing ones
Compatible with electronic ballasts and fluocompact lamps
Mounting on plate or in flush-mounting boxes Ø 67 mm
Equipped with automatic terminals for flexible or rigid wires (max. 2.5 mm)
Power : min. 7 W / max. 2300 W
IP 20 - IK 04
Dimensions: 49 x 46 x 26 mm
Maximum current when used with illuminated push-buttons : 50 mA

Noiseless

Pack	Cat.Nos	
10	0 491 20	Single pole
10	0 491 21	Single pole with timer Enables energy savings by switching off lighting after a specified period Time delay adjustment from 1 to 60 min. Switch-off pre-warning function (can be disabled)

Signalling auxiliary

Fitted on left-hand side of latching relay (equipped or not with control auxiliary)
Maximum 2 auxiliaries per latching relay
Used to signal the status of the contacts on the associated product

Auxiliary changeover switch

Pack	Cat.Nos	I max.	Voltage	Contact	Number of modules
1	4 124 29	5 A	250 V~	N/C + N/O	0.5

Control auxiliary

Fitted on left-hand side of latching relay
Maximum 1 control auxiliary per latching relay
Compatible with signalling auxiliary Cat.No 4 124 29

Auxiliary device for centralized control

For a centralized control of different latching relays from one single point

Pack	Cat.Nos		Number of modules
1	4 124 33	For latching relays 24 V~ to 48 V~	0.5
1	4 124 34	For latching relays 230 V~	0.5

Auxiliary device for general centralized control

1	4 124 36	For simultanous control of different groups of latching relays, already fitted with auxiliary device for centralised control 230 V~ Cat.No 4 124 34	1

Auxiliary device for maintained contact

1	4 124 37	Allows the control of a latching relay via one maintained contact (i.e. time switches)	0.5

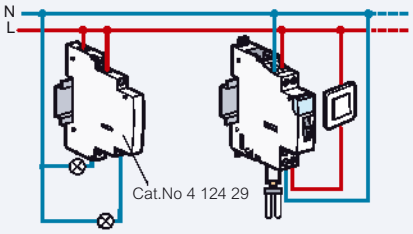
Compensator module

Used to control 230 V~ - 50 Hz pulse operated latching relays via illuminated push-buttons without malfunctions
Connects to the terminals of the pulse operated latching relay coil
Compensation:
- 1 compensator module for a total consumption of 3 to 6 mA (example: 6 to 11 illuminated push-buttons consuming 0.55 mA each)
- 2 compensators modules for a total consumption of 6 to 9 mA (example: 12 to 17 illuminated push-buttons with consuming 0.5 mA each)

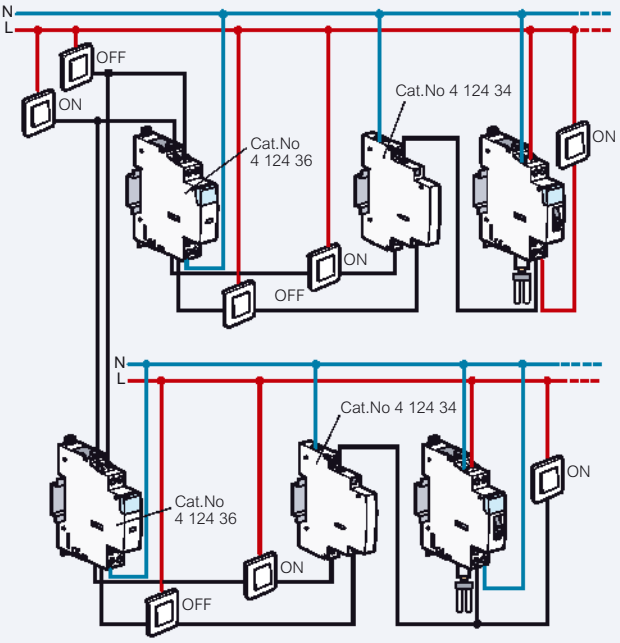
Pack	Cat.Nos		Number of modules
1	4 124 39	Impedance compensator for 230 V~ pulse operated latching relays	1

Wiring diagrams

Signalling with auxiliary Cat.No 4 124 29

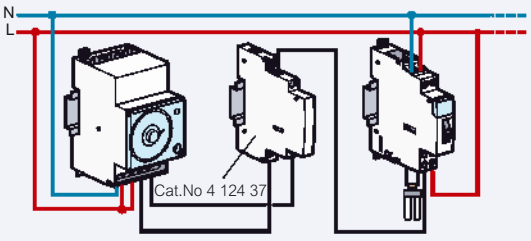


Centralized control at one point using auxiliary devices Cat.Nos 4 124 34 and 4 124 36



Use only non illuminated push-buttons

Control via maintained contact using auxiliary device Cat.No 4 124 37 and time switch



Technical characteristics

Power consumption

Cat.Nos	4 124 00 4 124 01	4 124 04	4 124 05 4 124 10	4 124 14	4 124 11	4 124 08 4 124 12	4 124 16
Control voltage	230 V~	12 V~	24 V~	24 V~	48 V~	230 V~	230 V~
Nominal current	16 A	16 A	16 A	16 A	16 A	16 A	16 A
Connection	1 N/O	1 N/O	1 N/O 2 N/O	4 N/O	2 N/O	1 N/O 2 N/O	4 N/O
Number of modules	1	1	1	1	1	1	2
Holding	-	670 mA	280 mA	570 mA	170 mA	30 mA	50 mA
Inrush	-	2500 mA	1200 mA	2500 mA	700 mA	130 mA	250 mA

Connection cross section mm²

Type of conductors	Cross section
Rigid	1 x 6 mm² or 2 x 2.5 mm²
Flexible	1 x 6 mm² or 2 x 2.5 mm²
Flexible with single ferrule	6 mm²
Flexible with double ferrule	2 x 4 mm²

Power contactors with handle CX³

from 16 A to 63 A



4 125 44



4 125 56

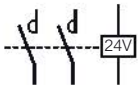
Dimensions **see e-catalogue**
Technical charcteristics **p. 72**

Conform to IEC/EN 61095
Space for power supply busbar on top (up to 25 A)

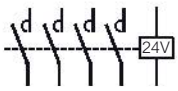
Power contactors with 24 V~ coil and handle

Manual override for test and repair function, carried out via the handle
Permanent “ON” or “OFF” without automatic reset

2-pole - 250 V~

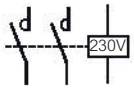
Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
1	4 125 14	25 A		2 N/O	1
1	4 125 15[1]	40 A		2 N/O	2
1	4 125 16[1]	63 A		2 N/O	2

4-pole - 400 V~

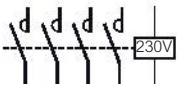
Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
1	4 125 17	25 A		4 N/O	2
1	4 125 18[1]	40 A		4 N/O	3
1	4 125 19[1]	63 A		4 N/O	3

Low noise power contactors with 230 V~ coil and handle

2-pole - 250 V~

Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
1	4 125 58	25 A		2 N/O	1
1	4 125 59[1]	40 A		2 N/O	2
1	4 125 60[1]	63 A		2 N/O	2

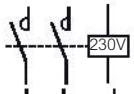
4-pole - 400 V~

Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
1	4 125 61	25 A		4 N/O	1
1	4 125 62[1]	40 A		4 N/O	2
1	4 125 63[1]	63 A		4 N/O	2

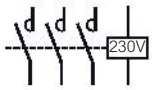
Power contactors with 230 V~ coil and handle

Manual override for test and repair function, carried out via the handle
Permanent “ON” or “OFF” without automatic closing of the contactor

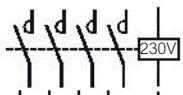
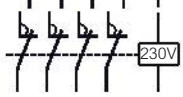
2-pole - 250 V~

Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
4	4 125 44	25 A		2 N/O	1
1	4 125 45[1]	40 A		2 N/O	2
1	4 125 47[1]	63 A		2 N/O	2
1	4 125 48[1]	63 A		2 N/C	2

3-pole - 400 V~

Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
1	4 125 49[1]	40 A		3 N/O	3
1	4 125 50[1]	63 A		3 N/O	3

4-pole - 400 V~

Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
2	4 125 51	25 A		4 N/O	2
1	4 125 53[1]	40 A		4 N/O	3
1	4 125 56[1]	63 A		4 N/O	3
1	4 125 57[1]	63 A		4 N/C	3

1: Handle can be accessed after removing blanking plate

Power contactors without handle CX³

from 16 A to 63 A



4 125 05



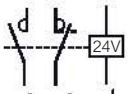
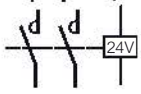
4 125 35

Dimensions **see e-catalogue**
Technical charcteristics **p. 72**

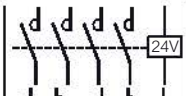
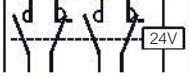
Conform to IEC/EN 61095
Space for power supply busbar on top (up to 25 A)

Power contactors with 24 V~ coil

2-pole - 250 V~

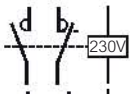
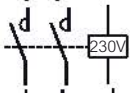
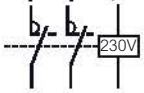
Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
1	4 125 03	16 A		N/C + N/O	1
1	4 125 05	25 A		2 N/O	1

4-pole - 400 V~

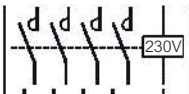
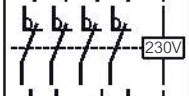
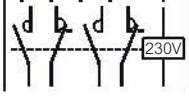
Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
1	4 125 10	25 A		4 N/O	2
1	4 125 09	25 A		2 N/C + 2 N/O	2

Power contactors with 230 V~ coil

2-pole - 250 V~

Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
4	4 125 21	16 A		N/C + N/O	1
10	4 125 23	25 A		2 N/O	1
1	4 125 27	63 A		2 N/O	2
1	4 125 24	25 A		2 N/C	1

4-pole - 400 V~

Pack	Cat.Nos	I max	Connection	Type of contact	Number of modules
5	4 125 35	25 A		4 N/O	2
1	4 125 41	63 A		4 N/O	3
1	4 125 36	25 A		4 N/C	2
1	4 125 33	25 A		2 N/C + 2 N/O	2

Auxiliaries for contactors CX³



4 124 29



4 124 31

Signalling auxiliaries for contactors

Auxiliary changeover switch for all CX³ contactors
Used to signal the position status of the contacts on the product to which it is connected

For 1 module contactors 16 A to 25 A
Maximum 2 auxiliary devices per contactor
Fitted on left-hand side of contactor

Pack	Cat.Nos	I max	Voltage	Contact	Number of modules
1	4 124 29	5 A	250 V~	N/C + N/O	0.5

For 2 module contactors 25 A
Maximum 2 auxiliary devices per contactor
Fitted on left-hand side of contactor

Pack	Cat.Nos	I max	Voltage	Contact	Number of modules
1	4 124 30	5 A	250 V~	N/C + N/O	0.5

For 40 and 63 A contactors
Maximum 1 auxiliary device per contactor
Fitted on left-hand side of contactor

Pack	Cat.Nos	I max	Voltage	Contact	Number of modules
1	4 124 31	5 A	250 V~	N/C + N/O	0.5

For detailed dimensions,
see e-catalogue

Technical characteristics

- Rated impulse withstand voltage (Uimp): 4 kV
- Mechanical endurance (no. of operating cycles): 10^6 cycles
- Operating temperatures: - 25 °C to + 40 °C
- Storage temperatures: - 40 °C to + 70 °C

Contactor protection against short circuits according to standard EN 61095, conditional short-circuit current:

- Iq = 6 kA for 16 to 25 A contactors
- Iq = 3 kA for 40 to 63 A contactors

Circuit breaker or gG fuse rated:

- ≤ 16 A for 16 A rating
- ≤ 25 A for 25 A rating
- ≤ 40 A for 40 A rating
- ≤ 63 A for 63 A rating

• Consumption of a contactor control coil

	16 A and 25 A power contactors				
Coil voltage	24 V∿		230 V∿ low noise	230 V∿	
Current	16 A and 25 A	25 A	25 A	16 A and 25 A	16 A and 25 A
Type of contact	NC + NO 2 NO	4 NO	2 NO	NC + NO 2 NO 2 NC	2 NC + 2 NO 4 NO 4 NC
Dimensions	1 mod.	2 mod.	1 mod.	1 mod.	2 mod.
Holding current	200 mA	300 mA	12 mA	20 mA	20 mA
Inrush current	970 mA	2500 mA	60 mA	90 mA	200 mA

	40 A and 63 A power contactors			
Coil voltage	24 V∿		230 V∿	
Current	40 A and 63 A	40 A and 63 A	40 A and 63 A	40 A and 63 A
Type of contact	2 NO	4 NO	2 NO 2 NC	3 NO 4 NO 4 NC
Dimensions	2 mod.	3 mod.	2 mod.	3 mod.
Holding current	250 mA	270 mA	15 mA	30 mA
Inrush current	1750 mA	1500 mA	150 mA	200 mA

• Recommendations

Insert a spacing module (Cat.No 4 063 07 p. 61):
- every two contactors when the ambient temperature is below 40 °C
- every contactor when the ambient temperature is between 40 and 60 °C

Contactor rating	40 °C	50 °C	60 °C
Ie = 16 A	16 A	14 A	12 A
Ie = 25 A	25 A	22 A	20 A
Ie = 40 A	40 A	36 A	32 A
Ie = 63 A	63 A	57 A	50 A

• Max. connection cross-section in mm²

Conductor type	Ratings ≤ 25 A	Ratings 40 & 63 A
Rigid	6^2 or 2 x 2.5^2	25^2 or 2 x 10^2
Flexible	6^2 or 2 x 2.5^2	25^2 or 2 x 10^2
Flexible with single end cap	6^2	16^2
Flexible with double end cap	2 x 4^2	2 x 16^2

Contactor selection charts

• Incandescent lamps

	Tungsten and halogen filaments 230 V∿							
Nominal wattage	**40 W**	**60 W**	**75 W**	**100 W**	**150 W**	**200 W**	**500 W**	**1000 W**
16 A	45	30	24	19	13	10	4	2
25 A	60	48	38	30	20	15	6	3
40 A	96	77	61	48	32	24	10	5
63 A	154	123	97	77	51	38	15	8

	ELV halogen bulbs with ferromagnetic ballast						ELV halogen bulbs with electronic ballast					
Nominal wattage	**20 W**	**35 W**	**50 W**	**75 W**	**100 W**	**150 W**	**20 W**	**35 W**	**50 W**	**75 W**	**100 W**	**150 W**
16 A	32	20	15	12	9	6	60	40	28	18	14	9
25 A	52	30	24	16	12	8	80	50	40	26	20	13
40 A	68	39	31	21	16	10	112	70	56	36	28	18
63 A	88	51	41	27	20	14	157	98	78	51	39	25

Contactor selection charts (continued)

• Fluorescent tubes with ferromagnetic ballast

	Single parallel compensated fluorescent					Double series compensated fluorescent				
Nominal wattage	**18 W**	**20 W**	**36 W**	**58 W**	**115 W**	**2 x 20 W**	**2 x 36 W**	**2 x 40 W**	**2 x 58 W**	**2 x 140 W**
16 A	24	24	16	11	5	30	24	22	15	6
25 A	33	30	25	17	9	45	38	35	24	10
40 A	43	39	33	22	12	68	57	53	36	15
63 A	56	51	42	29	15	101	86	79	54	23

	Quadruple series compensated fluorescent	Compact fluorescent with built-in starter			
Nominal wattage	**4 x 18 W**	**7 W**	**10 W**	**18 W**	**26 W**
16 A	16	50	40	28	19
25 A	24	60	50	42	28
40 A	36	78	65	55	36
63 A	54	101	85	71	47

• Fluorescent tubes with electronic ballast

	Single fluorescent				Double fluorescent		
Nominal wattage	**18 W**	**30 W**	**36 W**	**58 W**	**2 x 18 W**	**2 x 36 W**	**2 x 58 W**
16 A	72	42	36	22	36	20	12
25 A	110	68	58	36	56	30	19
40 A	165	102	87	54	84	45	29
63 A	248	153	131	81	126	68	43

	Triple fluorescent (series compensated)		Quadruple fluorescent (series compensated)	
Nominal wattage	**3 x 14 W**	**3 x 18 W**	**4 x 14 W**	**4 x 18 W**
16 A	34	26	26	20
25 A	46	38	37	28
40 A	62	51	52	39
63 A	84	69	73	55

	Compact fluorescent with built-in electronic power supply				
Nominal wattage	**7 W**	**11 W**	**15 W**	**20 W**	**23 W**
16 A	120	80	64	50	43
25 A	200	125	90	70	60
40 A	280	175	126	98	84
63 A	392	245	176	137	118

• Discharge lamps with compensation

	Metal halogenide						Low pressure sodium vapour					
Nominal wattage	**35 W**	**70 W**	**100 W**	**150 W**	**250 W**	**400 W**	**18 W**	**35 W**	**55 W**	**90 W**	**135 W**	**180 W**
16 A	10	6	5	3	2	1	12	6	5	3	2	2
25 A	15	9	7	5	3	2	20	10	7	5	3	3
40 A	23	14	11	8	5	3	30	15	11	8	5	5
63 A	34	20	16	11	7	5	45	23	16	11	7	7

	High pressure sodium vapour					High pressure mercury vapour				
Nominal wattage	**70 W**	**150 W**	**250 W**	**400 W**	**1000 W**	**50 W**	**80 W**	**125 W**	**250 W**	**400 W**
16 A	8	7	5	3	1	11	8	6	3	2
25 A	10	9	6	4	2	15	10	8	4	3
40 A	15	14	9	6	3	21	14	11	6	4
63 A	23	20	14	9	5	29	20	16	8	6

	High pressure mixed			
Nominal wattage	**100 W**	**160 W**	**250 W**	**400 W**
16 A	9	6	4	2
25 A	11	7	5	3
40 A	14	9	7	4
63 A	19	12	8	5

Push-buttons, control switches and indicators


0 044 68


6 040 78


0 044 88



Push-buttons can be converted to control switches


0 031 43

Changeover switches


0 043 83

Technical charcteristics **see e-catalogue**

Technical charcteristics **see e-catalogue**

Push-buttons and control switches 20 A - 250 V~

Compatible with prong-type supply busbars
Conform to IEC 60669-1
Category of use AC 12 A according to IEC 60947-5-1
Supplied in push-button position
Can be converted to control switches

Single function

Pack	Cat.Nos		Number of modules
10	0 044 53	1 N/O	1
10	0 044 54	1 N/C	1
10	0 044 55	2 N/O	1
10	0 044 58	1 N/O + N/C	1

Dual functions

10	0 044 63[1]	1 N/O + green indicator	1
10	0 044 64[1]	1 N/C + red indicator	1
10	0 044 68	1 N/O (green) + 1 N/C (red)	1

Indicators

Single indicator

Supplied with 230 V~
non replaceable LED lamps
(100000 hours life time)

			Number of modules
12	6 040 77	Green	1
12	6 040 78	Red	1
12	6 040 79	Orange	1

Double indicator

Supplied with diffuser and replaceable lamp
E 10 - 230 V~

10	0 044 88	Green + red	1

Three-phase voltage indicator

Supplied with lamps 230/400 V~
non replaceable

2	0 031 43	3 neon lamps colourless	0.5

Accessories

Replacement lamps E 10 - 1.2 W

10	0 044 33	24 V incandescent
10	0 044 36	230 V neon
10	0 044 37	230 V fluo for blue and green diffusers

1: Supplied with E 10 lamps 230 V~

Conform to standard IEC 60669-1
Category of use AC 22 A according to IEC 60947-3

Changeover switches

Two-way - 250 V~

Pack	Cat.Nos	Nominal rating (A)	Connection	Number of modules
10	0 043 82	20		1

Double two-way - 400 V~

5	0 043 83	20		2

Two-way with centre point - 250 V~

10	0 043 85	20		1

Double two-way with centre point - 400 V~

5	0 043 86	20		2

Programmable time switches

with digital display


0 037 05


4 126 31


4 126 30


0 047 70

Dimensions **see e-catalogue**

For switching an electric circuit (lighting, heating) ON or OFF at selected times during a pre-programmed time period
Temporary (automatic return) or permanent (forced switching ON or OFF) override on output

Pack	Cat.Nos	Standard - daily or weekly programme with 6 years clock working reserve	Number of modules
		Compatible with alternative renewable energy systems such as photovoltaic panels Automatic summer/winter changeover Clock precision: ± 1 sec per day Minimum programme setting: 1 min 28 programmes	
		Power supply 120/230 V∿ - 50/60 Hz	
1	0 037 05	1 output 16 A - 250 V∿ μ cos φ = 1 per 1 inverter contact Low consumption: 0.1 W	1

Pack	Cat.Nos	Multiple functions - daily or weekly programme - 5 years clock working reserve	Number of modules
		Programme settings: on daily or weekly basis 15 languages A programme consists of a on and off time and their assignement to certain days Option to suspend the programme for a specific period to set-up with start and date Minimum programme setting: 1 s. High precision clock: ± 0.1 sec per day Particularly suited to irregular cycles: - security installations (access point, alarms, etc.), - industrial installations (pump stations, etc.) Programmed directly on keypad, or using program transfer key Cat.No 4 128 72 Additional functions including random (irregular cycles), hour counters	
		Power supply 230 V∿ - 50/60 Hz	
1	4 126 31	1 output 16 A - 250 V∿ 56 programmes μ cos φ = 1 per 1 inverter contact	2
1	4 126 41	2 output 16 A - 250 V∿ 2 x 28 programmes μ cos φ = 1 per 2 inverters contacts	2
1	4 126 54	1 output 16 A - 250 V∿ Astronomical function 56 programmes μ cos φ = 1 per 1 inverter contact	2
1	4 126 57	2 outputs 16 A - 250 V∿ Astronomical function 2 x 28 programmes μ cos φ = 1 per 2 inverter contacts	
1	4 126 32	1 output 16 A - 120 V∿ 56 programmes μ cos φ = 1 per 1 inverter contact	2
		Power supply 24 V∿ - 50/60 Hz and ⎓	
1	4 126 33	1 output 16 A - 24 V∿ 56 programmes μ cos φ = 1 per 1 inverter contact	2

Pack	Cat.Nos	2 outputs multiple functions annual programme - 5 years clock working reserve	Number of modules
		Programme settings: on daily, weekly or yearly basis 15 languages A programme consists of a on and off time and their assignement to certain days Option to suspend the programme for a specific period to set-up with start and date Minimum programme setting: 1 s. High precision clock: ± 0.1 sec per day Programmed directly on keypad, or using program transfer key Cat.No 4 128 72	
		Power supply 230 V∿ - 50/60 Hz	
1	4 126 30	2 outputs - 230 V∿ - 50/60 Hz Astronomical function 2 x 3 x 28 = 168 programmes	2

Pack	Cat.Nos	4 outputs multiple functions annual programme - 5 years clock working reserve	Number of modules
		15 languages High precision clock: ± 0.2 sec per day For programming periods throughout the year 28 programmes per channel possible: - daily - weekly / astronomical programmes - yearly programmes - exceptional programmes Manual override (switch on and off) for every channel on the front of the switch Programmed directly on keypad, or using programme transfer key supplied	
		Annual programme	
1	0 047 70	4 outputs - 120/230 V∿ - 50/60 Hz Astronomical function	6
		Battery	
1	0 047 82	Working reserve 5 years for Cat.No 0 047 70	

Pack	Cat.Nos	Programming transfer key
1	4 128 72	Can be used to store programme settings made: - Directly on a multifunction and multi-programme time switch Cat.Nos 4 126 30/31/32/33/41/54/57 (loading on device) - with the programming software installe d on a PC running Windows (loading on data loader)

Pack	Cat.Nos	Programming software
1	4 128 73	Can be used to create, save and transfer program settings for multifunction and multi-program time switches, Cat.Nos 0 047 70, 4 126 30/31/32/33/41/54/57 Data is transferred to the program transfer key Cat.No 4 128 72, using the data loader connected to the USB port of the PC Kit comprising software on CD-ROM, data loader and transfer key Windows XP, Windows 7, Windows 8 compatible

Programmable time switches

with analogue dial



4 127 90



4 127 95

Dimensions **see e-catalogue**

Programmed via captive segment
Power supply: 230 V∿ - 50/60 Hz
3-position override switch "ON-AUTO-OFF" on front panel
Manual changeover to summer/winter time
1 outlet 16 A - 250 V∿ - μ cos φ = 1

Pack	Cat.Nos	Daily programme	Number of modules
		1 segment = 15 minutes Accuracy: ± 5 minutes	
		Vertical dial	
		Minimum switching time: 15 minutes N/O contact	
1	4 127 80	Without working reserve	1
1	4 127 90	With 100 h working reserve	1
		Horizontal dial	
		Minimum switching time: 15 minutes Changeover switch	
1	4 128 12	Without working reserve	3
1	4 128 13	With 100 h working reserve	3

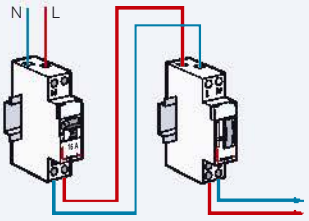
Pack	Cat.Nos	Weekly programme	Number of modules
		1 segment = 2 hours Accuracy: ± 30 minutes	
		Vertical dial	
		Minimum switching time: 2 hours N/O contact	
1	4 127 94	With 100 h working reserve	1
		Horizontal dial	
		Minimum switching time: 4 hours Changeover switch	
1	4 127 95	With 100 h working reserve	3

Programmable time switches

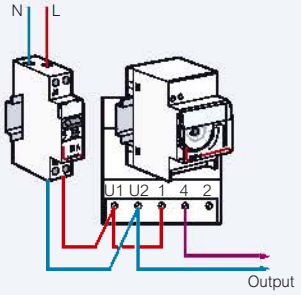
with analogue and digital dial

Diagrams

Cat.Nos 4 127 80/90/94



Cat.Nos 4 128 12/13, 4 127 95



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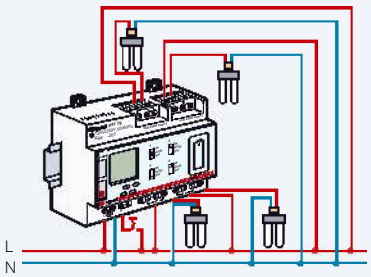
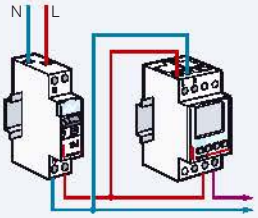
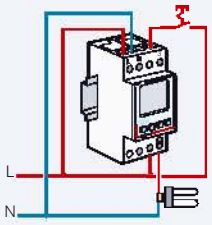


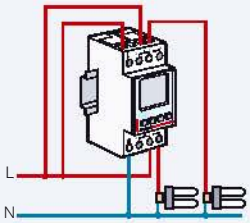
Cat.Nos 4 126 31/32/33



Cat.No 4 126 54



Cat.No 4 126 57



Output closing and breaking times are calculated based on the date, the actual time when the device was switched and on geographical coordinates of the actual location

Technical characteristics

Cat.Nos	Prog. time	Min. programme settings	Working reserve	Summer/ winter time	Outputs 16 A	Nb of prog.	Nb of modules
0 037 05	7 d	1 min	5 years	auto	1	28	1
0 047 70	24 h/7 d/1 y	1 s	5 years	auto	4	4 x 3 x 28	6
4 126 30	1 year	1 s	5 years	auto	2	2 x 3 x 28	2
4 126 31	24 h/7 d	1 s	5 years	auto	1	56	2
4 126 32	24 h/7 d	1 s	5 years	auto	1	56	2
4 126 33	24 h/7 d	1 s	5 years	auto	1	56	2
4 126 41	24 h/7 d	1 s	5 years	auto	2	2 x 28	2
4 126 54	24 h/7 d	1 s	5 years	auto	1	56	2
4 126 57	24 h/7 d	1 s	5 years	auto	2	2 x 28	2

Cat.Nos	Programme	Segment	Min. switching time	Working reserve	16 A output via contact		Nb of modules
					N/O	Chang. S.	
4 128 12	24 h	15 min	30 min	without	-	1	3
4 128 13	24 h	15 min	30 min	100 h	-	1	3
4 127 80	24 h	15 min	15 min	without	1	-	1
4 127 90	24 h	15 min	15 min	100 h	1	-	1
4 127 94	7 d	2 h	2 h	100 h	1	-	1
4 127 95	7 d	2 h	4 h	100 h	-	1	3

Analogue time switches


6 499 14


0 499 26


6 998 11

Power supply 230 V∿
Override switching "ON" or "OFF" in front face
1 output via changeover contact
(2 changeover contacts for Cat.No 0 499 26)

Pack	Cat.Nos	Daily programme
		20 A - 250 V∿ - μ cos φ = 1
1	6 499 14	Shortest switching time: 30 minutes (1 segment = 10 minutes) Switching accuracy: + 5 minutes

		Weekly programme
		16 A - 250 V∿ - μ cos φ = 1
1	0 497 56	Shortest switching time: 3 hours (1 segment = 1 hour) Switching accuracy: + 20 minutes Working reserve: 500 h with quartz controlled motor
1	0 044 09	Adaptor for fixing time switch on rail EN 50022 ⎵

		Defrosting time switch
		Time switch for short periods for control of defrosting, regularly repeated switching of pumps, feed conveyors, sprinkler systems, periodic lubrication of machines 16 A - 250 V∿ μ cos φ = 1 IP 30 Daily programme The timer can repeat one or two settable short programmes within 24 hours Shortest switching sequence 2.5 hours - up to 9 times 1 switching step = 1 segment = 30 min. 50 Hz
1	0 499 26	Defrosting time from 1 to 60 minutes per contact

		OmniRex - Plug-in time switches
		Manuel switch ON - Auto With 2P+⏚ plug and 10/16 A socket base and 16 A socket With child protection Override/manual switch Mains hold accuracy Synchronous motor, 230 V, 50 Hz 1 contact NO 250 V/50 Hz, 16 A∿ cos φ = 1
		OmniRex T - 24-hour programme
1	6 998 11	German standard - With child protection Switching step 15 min Mini switching time 15 min Switching accuracy ± 5 min
		OmniRex W - 7-day programme
1	6 998 12	German standard - With child protection Switching step 2 hours Mini switching time 2 hours Switching accuracy ± 30 min

MicroRex Plus 2 - programmable time switches - with digital display


6 037 70


6 037 71

Conform to EN 60730-1 and EN 60730-2-7

Digital daily weekly DIN rail mounting time switches
A programme consists of a ON and OFF time and their assignment to certain days of the week (or a combination of days) and a selected channel (for the 2-channel version).

Additional features:
- manual override (permanent ON or OFF)
- automatic override (ON/OFF): actual program will be inversed (ON->OFF, OFF->ON) till next programmed ON time
- working reserve : 3 years
- replaceable battery

Pack	Cat.Nos	MicroRex D21 Plus
		1 channel 230 V∿ , 50/60 Hz
		Language
1	6 037 70	English
1	6 037 78	French
1	6 037 72	Spanish

		MicroRex D22 Plus
		2 channels 230 V∿ , 50/60 Hz
		Language
1	6 037 71	English
1	6 037 79	French
1	6 037 73	Spanish

Electronic time-lag switches

Electronic time-lag switches


4 126 02


Space for supply busbar


0 047 04

Dimensions **see e-catalogue**

Designed for supply busbar compatibility
Power supply: 230 V∿ - 50/60 Hz
Switches a lighting circuit for a specific time
Self-protection in the event of blocked pushbutton

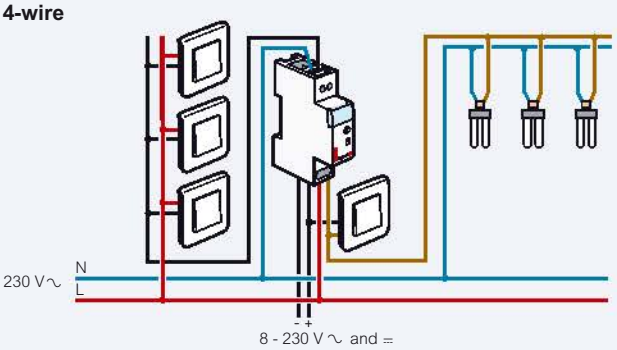
Pack	Cat.Nos	Time-lag switch	Number of modules
10	4 126 02	Resettable 230 V∿ - 50/60 Hz Timing adjustable from 0.5 sec to 10 min Manual override contact Output 16 A - 250 V∿ - μ cos φ = 1 2000 W incandescent/halogen 2000 W halogen - 230 V∿ 1000 VA fluo - series compensated 120 VA fluo - parallel compensated 14 μF 100 VA compact fluorescent 1000 W energy saving lamp automatic 3-wire or 4-wire connection	1

Pack	Cat.Nos	Multi-function time-lag switch	Number of modules
10	0 047 04	Resettable 230 V∿ - 50/60 Hz Timing adjustable from 0.5 sec to 12 min Operation with 3 or 4 wires a utomatically recognised by the time-lag switch - Inputs for separate control 8-230 V (presence detection, lighting control by door entry system etc.) - Switch-off pre-warning function, - Long duration function (1 hour) and manual switch-off Output 16 A - 250 V∿ - μ cos φ = 1 3680 W incandescent/halogen 2000 W halogen 230 VA 1000 VA fluo - parallel compensated ≤ 100 μF 2000 VA compact fluorescent 500 W halogen lamp + ferromagnetic transformer 2000 W halogen lamp + electronic transformer - Specially suited to energy saving lamps 1000 W	1

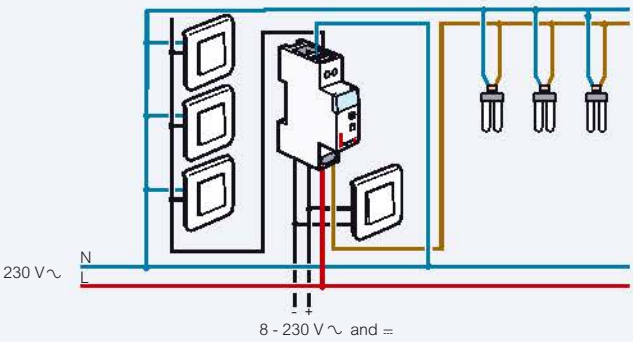
Pack	Cat.Nos	Automatic staircase time-lag switch for wall mounting 230 V - 50 Hz	Type of delay adjustable	Type
1	0 497 83	Switches a lighting circuit during a determined period Controlled by illuminated push-button 50 mA max 3 wire connection Output : 1 contact Contact rating 10 A - 250 V∿ - cos φ = 1	Electronic 0.5 to 10 min.	Resettable

Multi-function time-lag switch

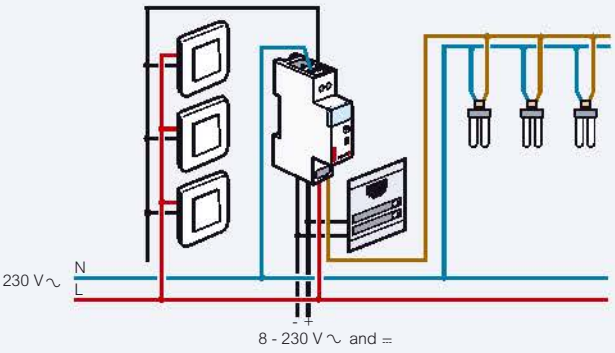
4-wire



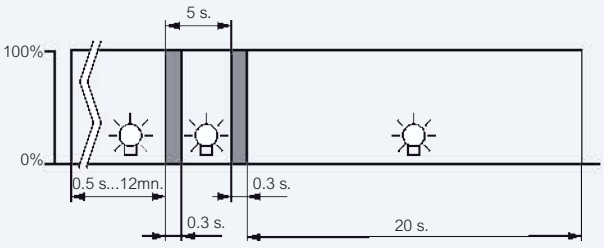
3-wire



Multi-function time-lag switch: lighting control by door entry system



Switch-off pre-warning function



For fluorescent and energy saving lamps the switch-off period is longer than 0.3 s, because of re-starting time required by the lamps

Light sensitive switches


4 126 23


4 126 26


4 128 58

Dimensions **see e-catalogue**

Can be used to switch a lighting circuit "ON" and "OFF" based on light conditions (nightfall, daybreak)
Supplied with IP 65 weatherproof photoelectric cell
Power supply: 230 V~ - 50/60 Hz

Pack	Cat.Nos	**Standard**
1	4 126 23	Output 16 A - 250 V~ - μ cos φ = 1 2000 W incandescent 2000 W series compensated fluorescent 1000 W parallel compensated fluorescent 70 μF 1000 W energy-saving bulb 2000 W halogen bulb + ferromagnetic transformer 2000 W halogen bulb + electronic transformer Automatic timer response Adjustable from 1 to 100 000 lux Number of modules: 1 Supplied with IP 65 photoelectric cell Cat.No 4 128 58
		Programmable
1	4 126 26	56 programmes possible : daily, weekly or yearly programmes Output 16 A - 250 V~ - μ cos φ = 1 2000 W incandescent 2000 VA series compensated fluorescent 1000 W energy-saving bulb Integrated hour counter High precision clock : ± 0.1 sec per day at 25°C Working reserve : 5 years Adjustable from 3 to 100 000 lux Automatic changeover between summer/winter time Number of modules: 2 Programmed directly on keypad, or using programme transfer key Cat.No 4 128 72 (p. 74) Supplied with IP 65 photoelectric cell Cat.No 4 128 58
		Replacement IP 65 photoelectric cell
1	4 128 58	IP 65 - IK 07 For use with standard or programmable light sensitive switches Cat.Nos 4 126 23/26

Lighting management remote control dimmers


0 036 59


0 036 58


0 036 60

Pack	Cat.Nos	**Remote control dimmers 100 - 240 V~ - 50/60 Hz**	Number of modules
		Controlled via non-illuminated push-buttons	
		DIN rail mounting The last lighting level is stored into memory, in case of power cut or switch-off Direct or remote control (switching and dimming) with non-illuminated push-buttons	
1	0 036 59	For incandescent and halogen lamps 230 V~ and ELV halogen lamps with ferromagnetic transformers Load: 60 to 600 W (for 230 V~ 50/60 Hz)	2
1	0 036 58	For fluorescent lamps with 1-10 V dimmable ballast (fluorescent tubes and compact fluorescent lamps with separated dimmable ballast) Ballast power: maximum 800 VA (for 230 V~ 50/60 Hz) Control current: 50 mA	2
		Controlled via BUS line	
		DIN rail mounting Direct or remote control (switching and dimming) with non-illuminated double push-buttons or bus peripherals (Mosaic Programme and Céliane Programme) Equipped with illuminated scale indicating the light level of controlled lamps	
1	0 036 71	For incandescent and halogen lamps 230 V~, ELV halogen lamps with ferromagnetic or electronic transformers Load: 1000 W (for 230 V~ 50/60 Hz)	6
1	0 036 60	For fluorescent lamps with 1-10 V ballast (fluorescent tubes and compact fluorescent lamps with separated ballast) Ballast power: maximum 1000 VA (for 230 V~ 50/60 Hz) Control current: 50 mA	4
		Power supply for BUS line	Number of modules
1	0 036 80	BUS power supply for remote controlled dimmers Cat.Nos 036 60/71 For maximum 8 peripherals	2

Time delay relays

12 to 230 VA and ⎓


0 047 40


0 047 41


0 047 42

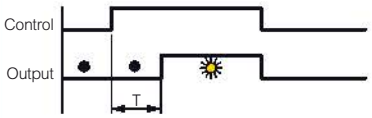
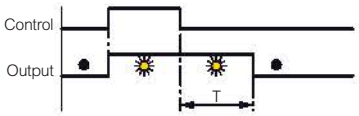
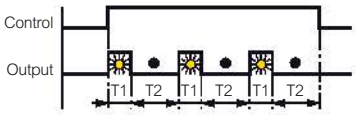

0 047 43

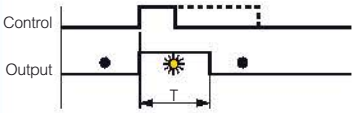
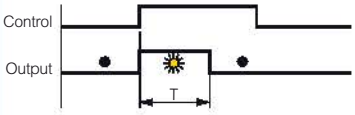

0 047 45


0 047 44

Dimensions **see e-catalogue**

For controlling the switching ON or OFF of a circuit (lighting, ventilation, automation, signalling) in operation for a specific time from 0.1 sec to 100 hrs
Supply voltage: 12 to 230 V∿ (50/60 Hz) and ⎓
Output: 8 A - 250 V∿ - μ cos φ = 1 per inverter contact

Pack	Cat.Nos	Time delay relays	Number of modules
		ON delay	
1	0 047 40	Delays load switch-on (alarm, lighting, contactor)  The time period starts when the relay is switched ON. At the end of the time period (T), the load is switched ON	1
		OFF delay	
1	0 047 41	Delays load switch-off (ventilation, etc.)  The time period (T) starts with the opening of the non-illuminated switch or pushbutton At the end of the time period, the load is switched OFF	1
		Flashing	
1	0 047 42	For switching ON and OFF a load (lighting, sounder) for different times and cyclically  	1

Pack	Cat.Nos	Time delay relays (continued)	Number of modules
		Timer (pulse)	
1	0 047 43	For switching a load ON for a specific time (contactor)  The time period (T) starts with the closing of the non-illuminated switch or pushbutton At the end of the time period, the load is switched OFF	1
		Wipe contact flick contactor	
1	0 047 45	For switching a load ON for a specific time  The time period (T) starts when the relay is switched ON At the end of the time period (T), the load is switched OFF	1
		Multifunction	
1	0 047 44	• ON delay • OFF delay • ON/OFF delay • Timer (pulse) • Timer and passing contact • Flashing • Totalizer on delay • Totalizer delay on power-up	1

For detailed dimensions, **see e-catalogue**

Transformers, buzzers and bells


4 130 91


4 130 98


0 041 07

Dimensions **see e-catalogue**

Bell transformers

Conform to IEC / EN 61558-2-8
Protected against overloads and short circuits.
In the event of an overload, switch "OFF" the power supply and allow the transformer to cool down before switching on again
With label holders
Wall or rail ⎓ mounting (for 4 modules)
Possibility for supply busbars to run through (Cat.No 4 130 91)

230 V/12 V - 8 V

Pack	Cat.Nos	Secondary (V)	Rating (A)	Power (VA)	Number of modules
1	4 130 91	12/8	0.66/1	8	2
1	4 130 92	12/8	2/3	24	4
230 V/24 V - 12 V					
1	4 130 93	24/12	1/1.5	24 - 18	4

Safety transformers

Conform to IEC / EN 61558-2-6
Protected against overloads and short circuits.
In the event of an overload, switch "OFF" the power supply and allow the transformer to cool down before switching on again
Wall or rail ⎓ mounting (for 4 modules)

230 V/12 or 24 V

(per coupling 2 x 12 V for Cat.No 4 130 98)
Supplied with strip

Pack	Cat.Nos	P (VA)	No-load loss (W)	Voltage % drop Cos φ = 1	Efficiency % Cos φ = 1	Ucc (%)	I (A) primary loaded	Number of modules
1	4 130 96	25	2.5	29	66	23.3	0.142	4
1	4 130 98	63	4	15.7	75	13.6	0.33	5

Buzzers and bells

50 Hz AC - Connection by screw terminals, with label holder
Allow insertion of supply busbars
Caution: remove lamps from illuminated push-buttons when used with Cat.Nos 0 041 01

Bells

Pack	Cat.Nos	Voltage (V~)	Power (VA)	Consum. (mA)	Acoustic power[1](dB)	Number of modules
10	0 041 01	8/12	4/5	360/420	80/84	1
10	0 041 07	230	6	27	83	1
Buzzers						
10	0 041 13	230	6	27	73	1

1: Acoustic power at 1 m

Socket outlets and special supports


0 042 80


0 042 85


0 044 05
Equipment model: auxiliary control


0 044 06
Equipment model: bulbs, switch


0 802 99
Equipped with RJ45 socket

Dimensions **see e-catalogue**

Allow insertion of supply busbars

10-16 A - 250 V~

Pack	Cat.Nos		Number of modules
		French standard	
10	0 042 80	2P + ⏚ shuttered	2.5
		German standard	
10	0 042 85	2P + ⏚ shuttered	2.5

20 A - 400 V~

Pack	Cat.Nos		Number of modules
		French standard	
5	0 042 91	3P + ⏚ shuttered	3.5
5	0 042 92	3P + N + ⏚ shuttered	3.5

Special supports

Pack	Cat.Nos		Number of modules
10	0 044 05	Pre-drilled support For mounting Ø22.5 mm control and signalling units	3
10	0 044 06	Support or blanking cover For other equipment (ex. switch, bulbs, printed-circuits...)	3
10	0 802 99	For mounting Mosaic 2-module mechanisms Support width 46.3 mm 2.5 modules	



Wiring management accessories

Pack	Cat.Nos	
		Spacing unit with feedthrough
10	4 063 07	0.5 module Allows cables to run between two modular devices and creates an air channel in order to limit temperature rise



Single phase power supplies



4 131 05



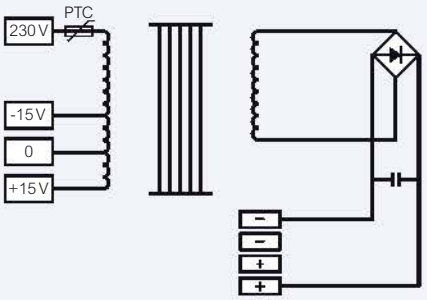
0 047 93

Dimensions **see e-catalogue**

For supplying PLCs and their peripherals or any use requiring a voltage of 5 V, 12 V, 15 V or 24 V⎓
Fixing on rail ⊔

Pack	Cat.Nos	**Filtered rectified power supplies**		
		Conform to standards IEC EN 61558-2-6 For equipment conforming to standards EN 61131-2, EN 60204 and EN 61439-1 Comprising: - A safety transformer with interference filtration - A filter capacitor - Protection by PTC integrated in the primary - Double operating terminals Terminal capacity: 6 mm² flexible Class II after addition of faceplate Ripple factor < 3% Ambient temperature without derating: 60 °C Power supply 230 V ± 15 V∿		
		12 V⎓		
		Power (W)	Current (A)	Number of modules
1	4 131 05	15	1.3	5
		15 V⎓		
1	4 131 06	15	1	5
		24 V⎓		
1	4 131 07	12	0.5	5
1	4 131 08	21.5	0.9	5
		Stabilised power supplies		
		Conform to standards NF EN 61204, NF EN 60950 (Low Voltage Directive), EN 55022 (class B), EN 61000-4-2, EN 61000-3-26, ENV 50204 Switching mode Galvanic isolation 4000 V (input/output) With: - Electronic protection (overloads and short-circuits) - Integral fuse protection on input - A green voltage present indicator on output Power supply 115 - 230 V∿		
		5 V⎓		
		Power (W)	Current (A)	Number of modules
1	0 047 91	12.5	2.5	6
		12 V⎓		
1	0 047 92	30	2.5	6
		24 V⎓		
1	0 047 93	24	1	4
		Power supplies with battery back-up		
		Conform to standards IEC/EN 61558-2-6, EN 55022 (class B), EN 61000-4-2 With "ON"/"OFF" button, operation indicator, fuse protection Power supply 230 V∿		
		12 V⎓ Capacity 280 mA/h		
		Power (W)	Current (A)	Number of modules
1	0 042 10	6	0.5	6

Filtered rectified power supplies



Cat.Nos	Voltage (V)	Current (A)	Weight (Kg)	I Prim. on load (A) at 230 V
4 131 05	12	1.3	0.95	0.15
4 131 06	15	1	0.95	0.15
4 131 07	24	0.5	0.95	0.13
4 131 08	24	0.9	0.95	0.17

Cat.Nos	Voltage of use				No load losses (W)	Total losses at 100% load (W)	Voltage drop cos φ = 1
	A no load (V)	On load (V)	With 100 kA load and prim. voltage + 10%	With nominal load and prim. voltage - 15%			
4 131 05	15.1	11.8	16.3	10.4	3.4	8.7	28.5
4 131 06	18.5	14.6	19.9	12.9	3.4	8.9	26.7
4 131 07	28.9	23.6	30.6	20.7	3.4	7.1	22.3
4 131 08	29.9	22.8	32.0	20.3	3.4	10.4	31.0

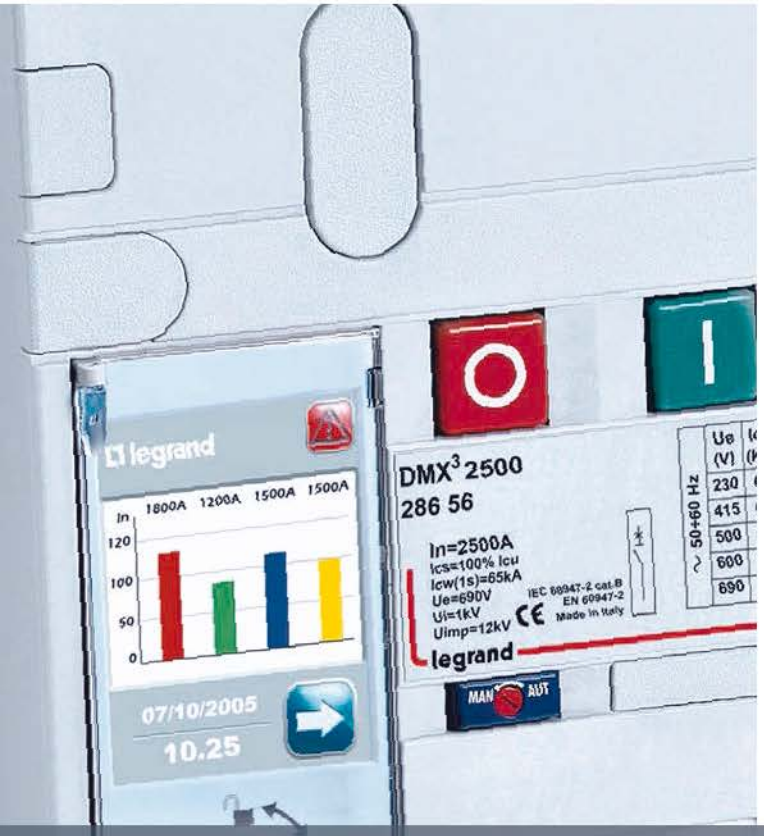
Stabilised power supplies

Cat.Nos	Secondary		Primary			Max. out current (A)	Power consumption at max. temp. (W)	Efficiency
	Voltage (V)	Current (A)	Voltage (V)	Current consump. max. (A)	Inrush current max. (A)			
0 047 91	5	2.5	109-264	0.15/0.35	16	2.5	12.5	58
0 047 92	12	2.5	109-264	0.3/0.55	11	2.5	30	
0 047 93	24	1	109-264	0.25/0.45	13	1	24	73

Cat.Nos	Starting time on energisation (s) 230 V/115 V	Hold time (at 230 V) (ms)	Operating temperature	Residual ripple peak to peak (mVpp)	Line protection		Dim.	Max. weight	Max. operating temperature with derating (°C)
					With fuse (A)	With MCB (A) + type			
0 047 91	2.4/0.8	90	-10/+50	35	1A aM	2A/C	6 modules	0.32	50
0 047 92	10/3.7	115	-10/+50	20	1A aM	2A/C	6 modules	0.32	50
0 047 93	2.6/1	124	-10/+50	80	2A aM	6A/C	4 modules	0.25	50

PTC protection

PTC: Positive temperature coefficient (limitation of overloads and temperature). In the event of an overload switch "off" the power supply and allow the power supplies to cool down before switching on again



ACBs, MCCBs, HEAD EQUIPMENT & ENERGY COMPENSATION

Energy measurement



P. 84
EMDX³ electrical energy meters
⊔ rail mounting

Reactive energy compensation



NEW
P. 94
Alpican capacitors

Head equipment



P. 106
DRX 125 thermal magnetic MCCBs ≤ 125 A



NEW
P. 123
DPX³ 250 electronic release MCCBs ≤ 250 A



NEW
P. 134
DPX³ 1600 thermal magnetic MCCBs ≤ 1250 A



P. 140
DMX³ 2500/4000 ACBs ≤ 4000 A



P. 147
DPX-IS isolating switches ≤ 1600 A



P. 159
HRC cartridge fuses

Supply busbars, distribution blocks & copper busbars



P. 179
Supply busbars

NEW PRODUCTS 2014



DRX 630
thermal magnetic MCCBs up to 630 A
(p. 114)



DPX³
MCCBs up to 1600 A
(p. 120)


P. 84
EMDX³ multi-function measuring units
⌙ rail mounting


P. 85
EMDX³ multi-function measuring units on door


P. 92
Ammeters & voltmeters
⌙ rail mounting


P. 93
Ammeters & voltmeters on door


P. 96
Alpivar capacitors


P. 97
Alpibloc fixed capacitor banks


P. 100
Alpimatic automatic capacitor banks


P. 103
Alptec power factor controllers


P. 110
DRX 250 thermal magnetic MCCBs ≤ 250 A


NEW
P. 114
DRX 630 thermal magnetic MCCBs ≤ 630 A


NEW
P. 120
DPX³ 160 thermal magnetic MCCBs ≤ 160 A


NEW
P. 122
DPX³ 250 thermal magnetic MCCBs ≤ 250 A


NEW
P. 126
Auxiliaries & accessories for DPX³ 160/250


NEW
P. 128
DPX³ 630 thermal magnetic MCCBs ≤ 630 A


NEW
P. 129
DPX³ 630 electronic release MCCBs ≤ 630 A


P. 132
DPX³ 630 earth leakage modules


P. 134
DPX³ 1600 electronic release MCCBs ≤ 1600 A


P. 138
Auxiliaries & accessories for DPX³ 630/1600


P. 138
Supervision system


P. 139
Residual current relays and coils


P. 141
DMX³ 6300 ACBs ≤ 4000 A


P. 142
DMX³ - I trip free switches ≤ 6300 A


P. 143
Auxiliaries & accessories for DMX³


NEW
P. 146
Vistop isolating switches ≤ 160 A


NEW
P. 151
DPX³-I trip free switches ≤ 1600 A


NEW
P. 152
DCX-M changeover switches ≤ 1600 A


P. 156
Proximity switches


P. 158
SP fuse carriers


P. 160
Blade type cartridge fuses


NEW
P. 164
MPX³ MPCBs 0.16 A ≤ 22 A


NEW
P. 170
CTX³ industrial contactors 9 A ≤ 800 A


NEW
P. 172
RTX³ thermal relays


P. 180
Modular distribution blocks ≤ 250 A


P. 182
Power distribution blocks ≤ 400 A


P. 185
Flat copper busbars & accessories


P. 187
Isolating supports for busbars ≤ 6300 A



DCX-M

changeover switches
up to 1600 A
(p. 152)

EMDX³ electrical energy meters

rail mounting



0 046 70



0 046 74



0 046 87

Technical characteristics **p. 89**

Measure the electricity consumed by a single-phase or three-phase circuit downstream of the electricity distribution metering
Display electricity consumption in kWh, as well as other values such as current, active energy, reactive energy and power (depending on the catalogue number)
Conform to standards IEC 62053-21/23, IEC 62052-11 and IEC 61010-1
MID compliance ensures accuracy of the metering with a view to recharging for the electricity used

Pack	Cat.Nos		
	Non-MID	MID compliant	**Single-phase meters**
			Direct connection
1	0 046 70		32 A - 1 module Pulse output
1	0 046 81		36 A - 2 modules Pulse output
1	0 046 72	0 046 78	63 A - 2 modules Pulse output
1	0 046 77	0 046 79	63 A - 2 modules RS 485 output
			Three-phase meters
	Non-MID	MID compliant	**Direct connection**
1	0 046 73	0 046 82	63 A - 4 modules Pulse output
1	0 046 80	0 046 83	63 A - 4 modules RS 485 output
			Connection with CT
1	0 046 74	0 046 85	5 A - 4 modules pulse output
1	0 046 84	0 046 86	5 A - 4 modules RS 485 and pulse output
1	0 046 87		**Pulse concentrator** For collecting and transmitting measurements taken by 7 universal pulse electricity meters Also collects data from other meters (gas meters, water meters, etc.) RS485 output 4 modules
1	4 120 00		**Measurement concentrator** Full or partial electricity metering for 5 uses: heating, cooling, domestic hot water, and power sockets + "other" 5 inputs for current transformers (up to 2 current transformers per input) 2 pulse inputs for water and gas metering LCD screen and 6-button keypad RJ45 IP output Power supply 110/230 VAC - 50/60 Hz 6 modules
1	4 120 02		**Split core current transformer** 90 A max. for the measurement concentrator Cat.No 4 120 00 Accepts : 10 x 1.5 mm² cables, or 7 x 2.5 mm² cables, or 2 x 6 mm² cables, or 1 x 10 or 16 mm² cable

EMDX³ multi-function measuring units

rail mounting



0 046 76

Technical characteristics **p. 90**

Conform to standards:
- IEC 61557-12
- IEC 62053-22 class 0.5 S
- IEC 62053-23 class 2

Pack	Cat.Nos	**EMDX³ modular**
		For mounting on ⌙ rail Width: 4 modules • LCD display • Measurement of currents, voltages, active, reactive and apparent power and internal temperature • Dual tariff metering: - Active energy consumed - Reactive energy consumed - Operating time - Power factor • THD voltages and currents up to order 51 • Programmable alarms on all functions • Outputs for controlling wiring devices, alarm feedback and pulse feedback
		EMDX³ pulse unit
1	0 046 75	Data transmission via pulses
		EMDX³ RS 485 unit
1	0 046 76	Data transmission via RS 485 communication interface and pulses

EMDX³ multi-function measuring units

for mounting on door or solid faceplate



0 146 68



0 146 69



0 146 73

Technical characteristics **p. 90**

Conform to standards:
- IEC 61557-12
- IEC 62053-22 class 0.5 S
- IEC 62053-23 class 2

Pack	Cat.Nos	EMDX³ - Access
		Multi-function measuring unit
1	0 146 68	For mounting on door or solid faceplate Dimensions: 96 x 96 x 60 mm • LCD display • Measurement of currents, voltages, active, reactive and apparent power, internal temperature and power factor • Metering: - Active energy consumed or produced - Reactive energy consumed or produced - Operating time - Pulses • THD voltages and currents up to order 51 • Programmable alarms on all functions Can take 2 optional modules
		Modules for EMDX³ - Access multi-function measuring unit
1	0 146 71	RS485 communication module MODBUS link
1	0 146 72	1-output module Can be assigned to pulse feedback, alarm feedback or control of wiring devices
		EMDX³ - Premium
		Multi-function measuring units
1	0 146 69	For mounting on door or solid faceplate Dimensions: 96 x 96 x 60 mm • LCD display • Measurement of currents, voltages, active, reactive and apparent power, internal temperature and power factor • Metering: - Active energy consumed or produced - Reactive energy consumed or produced - Operating time - Pulses • Individual harmonics up to order 63 • Programmable alarms on all functions Can take 4 optional modules

Pack	Cat.Nos	EMDX³ - Premium (continued)
		Modules for EMDX³ - Premium multi-function measuring units
1	0 146 73	RS 485 communication module MODBUS link
1	0 146 74	Storage module Storage of active and reactive power over 62 days, the last 10 alarms and the average voltage and frequency values over 60 days max.
1	0 146 75	Module with 2 inputs/2 outputs Up to 3 modules, i.e. 6 inputs/6 outputs, can be installed Outputs can be assigned to monitoring mode, remote control or timed remote control
1	0 146 77	Temperature module Indication of the internal temperature and possibility of connecting 3 sensors for measuring the external temperature
		Communication and supervision
		Web servers
1	0 261 78	Enable remote viewing, via a web browser on PCs, smartphones, web viewers, tablet computers such as iPads, Archos, etc., of values collected on electricity meters and multi-function measuring units For 32 metering points (meters or multi-function measuring units)
1	0 261 79	For an unlimited number of metering points (meters or multi-function measuring units)
		Legrand software dedicated to measurement
1	0 261 88	For displaying the values collected from electricity meters or multi-function measuring units on a PC connected to the network For 32 metering points (supplied on CD)
1	0 261 89	For an unlimited number of metering points (supplied on CD)
		Accessories
		IP converter
1	0 046 89	For RS485/Ethernet conversion for connecting electricity meters and multi-function measuring units to an IP network Supply voltage: 90-260 V~ 50/60 Hz Dimension: 2 modules

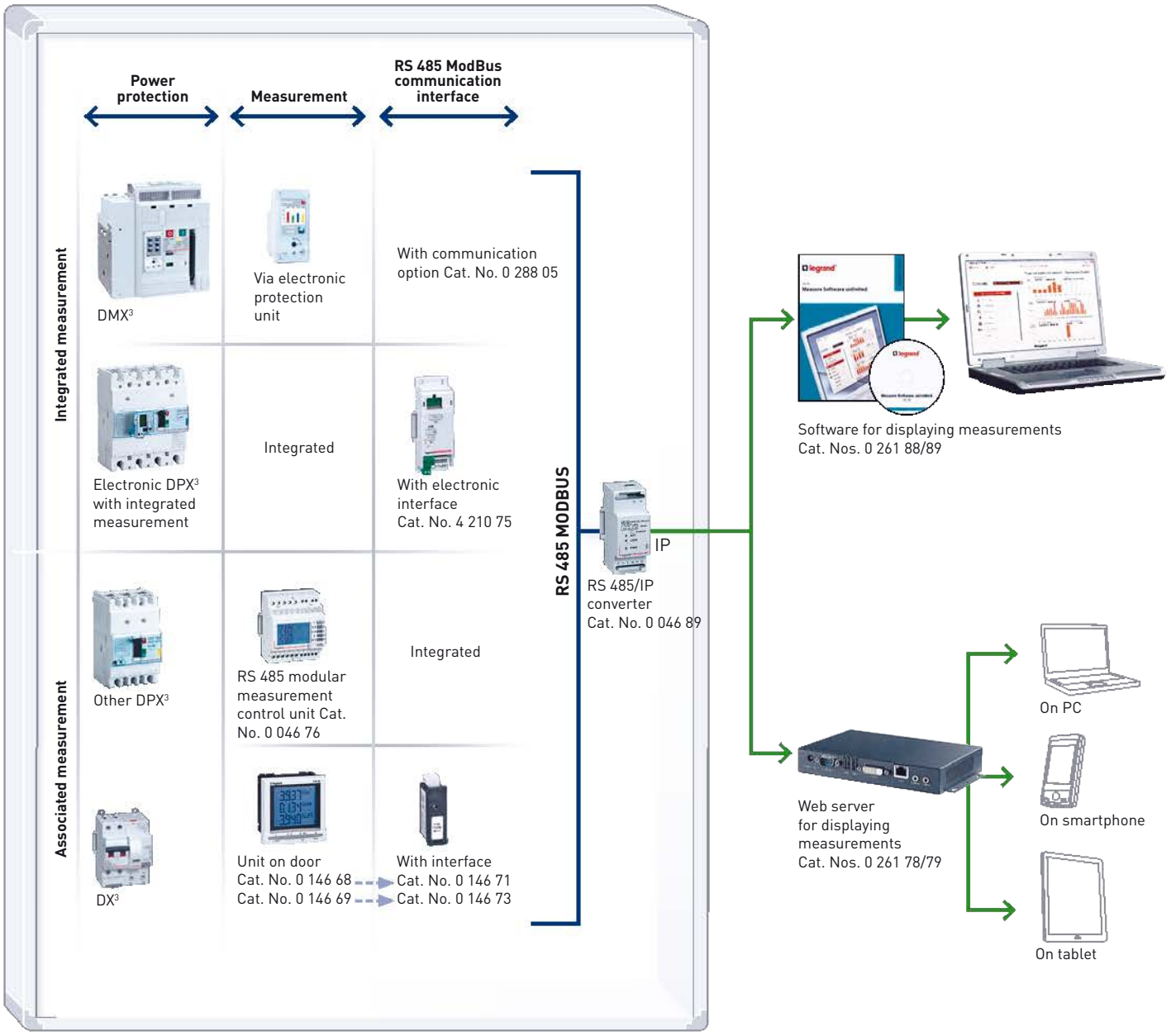
Current transformers (CT)
p. 88



Incorporate measurement via e.communication in protection devices

Legrand is bringing a new dimension to protection devices, with measurement via e.communication directly integrated in the new DMX³ and DPX³ electronic circuit breakers. Measurement can be associated with DPX and DX³ circuit breakers using EMDX³ meters and measurement control units.

MAIN LV DISTRIBUTION BOARD
or secondary distribution board



RS 485 - Fieldbus

IP protocol - Ethernet bus

Power supervision system

remote control, monitoring and measurement


0 261 94


0 261 37


0 261 36


0 261 45

With the Legrand Power supervision system, circuit breakers are integrated in a supervision system
You can therefore check the status of the circuit breakers, measure the electrical values and control the circuit breakers remotely
MODBUS protocol

Pack	Cat.Nos	Automation control unit
		Can control supply inversion between two cricuit breakers, manage generator start / stop, control single-phase, two-phase and three-phase networks, control phase-phase voltages For DPX, DPX³ and DMX³ circuit breakers Power supply : 230 V~ or 12/24/48 V= Plug-in terminals
1	0 261 94	Communicating unit, enabling data transmission (RS 485 port)

Pack	Cat.Nos	RS485 Modbus communication interfaces
		DPX electronic interface
1	0 261 37	For reading information from an electronic DPX : phase 1, 2 and 3 currents, the currents in the neutral, the temperature (electronic card), the nominal current and the DPX settings Dimension: 2 modules Power supply: 24 V~ / ⎓ . RS 485 link (2-wire) Address, speed and coding can be modified with configurator kit
		DPX³ electronic interface
1	4 210 75	For connecting thermal-magnetic DPX³ with residual current protection and electronic DPX³ to an RS485 Modbus communication network All the information managed by the circuit breaker's electronic card will be shared on the Modbus network Dimension: 2 modules Power supply: 24 V~ / ⎓ . RS 485 link (2-wire) Address, speed and coding can be modified with configurator kit
		RS 485 Modbus communication option for DMX³
1	0 288 05[1]	Option making the DMX³ capable of communicating for supervision

Pack	Cat.Nos	Modular power supply
1	0 035 67	230 V~ - 27 V⎓ - 0.6 A 2 modules

Pack	Cat.Nos	DPX and DX³ signalling and control interface
1	0 261 36	Signalling and control interface between the power supervision system and the thermal magnetic and electronic circuit breakers. Equipped with analogue / digital inputs and relay outputs. Can handle multiple circuit breakers. - 24 inputs for collecting information from the signalling auxiliaries on the DPX and DX³ circuit breakers: auxiliary contact NO position (1 input) or NO+NC position (2 inputs), fault signal (1 input) - 6 outputs for: the remote control of the motor driven circuit breakers (2 outputs) and for tripping the circuit breakers for testing purposes (1 output) Dimension: 6 modules Power supply: 24 V~ /= RS 485 link (2-wire) Address, speed and coding can be modified with configuration kit.

1: Factory fitted

Pack	Cat.Nos	Accessories
		Configurator kit For configuring the DPX and DPX³ I/O card and interface
1	0 261 45	Kit with configurators 0 to 9 (10 configurators for each digit)
		Single phase stabilised power supply For supplying communication devices Primary 115-230 V 24 V⎓

		Power (W)	Current (A)	Flexible cable terminal capacity	
				Input (mm²)	Output (mm²)
1	0 466 23	120	5	6	2 x 6

		IP converter
1	0 046 89	For RS 485/Ethernet conversion for connecting electricity meters and measurement control units to an IP network Supply voltage 90-260 V~ 80/60 HZ Dimension: 2 modules

Pack	Cat.Nos	Communication and supervision
		Web servers Enable remote viewing, via a web browser on PCs, smartphones, web viewers, tablet computers such as iPads, Archos, etc., of values collected on electricity meters and multi-function measuring units
1	0 261 78	For 32 metering points (meters or multi-function measuring units)
1	0 261 79	For an unlimited number of metering points (meters or multi-function measuring units)
		Legrand software dedicated to measurement For displaying the values collected from electricity meters or multi-function measuring units on a PC connected to the network
1	0 261 88	For 32 metering points (supplied on CD)
1	0 261 89	For an unlimited number of metering points (supplied on CD)

Electronic DPX³ 250 with integrated measurement unit **p. 124**

EMDX³ measurement control units **p. 85**



Current transformers CT



0 047 79

Pack	Cat.Nos	Single-phase current transformers (CT)	
		Used with ammeters, electricity meters or multi-function measuring units Provide a 0 to 5 A current at the secondary, proportional to the primary current For fixing on plates, EN 60715 ⊔ rail Cat.Nos 0 046 31/34/36, or bars Secondary connected by terminals or lugs Precision class 1%	
		For 16 x 12.5 mm bar and ∅21 mm cable	
		Transformation ratio	Output (VA)
1	0 046 31	50/5	1.25
1	0 046 34	100/5	2.5
1	0 046 36	200/5	5.5
		For 20.5 x 12.5 and 30 x 10.5 mm bar and ∅23 mm cable	
1	0 047 75	300/5	11
		For 40.5 x 10.5 mm bar and ∅35 mm cable	
1	0 046 38	400/5	12
		For 65 x 32 mm bar	
1	0 047 76	600/5	12
1	0 047 77	800/5	15
1	0 047 78	1000/5	20
		For 84 x 34 mm bar	
1	0 047 79	1250/5	15
		For 127 x 38 mm bar	
1	0 046 45	1500/5	15
1	0 046 46	2000/5	20
		For 127 x 54 mm bar	
1	0 047 80	2500/5	50
1	0 046 48	4000/5	50

Pack	Cat.Nos	Three-phase current transformers (CT)	
		Used with ammeters, electricity meters or multi-function measuring units Provide a 0 to 5 A current at the secondary, proportional to the primary current For fixing directly on bars Secondary connected by terminals or lugs Precision class 1%	
		For three 20.5 x 5.5 mm bars	
		Transformation ratio	Output (VA)
1	0 046 98	250/5	3
		For three 30.5 x 5.5 mm bars	
1	0 046 99	400/5	4

Pack	Cat.Nos	Viking 3 disconnector block for measurement 1 connection				
		With its accessories, allows intervention (measurement, maintenance, etc) on a current, voltage and power measuring circuit by keeping the current transformer secondary circuit closed				
		Colour	Nominal cross section (mm^2)	Capacity: Rigid wire (mm^2)	Capacity: Flexible wire (mm^2)	Pitch (mm^2)
25	0 371 92	Grey	4	0.25 to 4	0.25 to 4	8

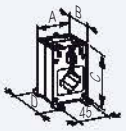
Current transformers (CT)

Technical characteristics
Degree of protection: IP 20
Operating frequency: 50/60 Hz

Dimensions
• Single-phase CTs
Cat.Nos 0 046 31/34/36 for 16 x 12.5 mm bar and Ø21 mm cable
Fixing on EN 60715 rail

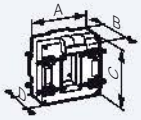


Cat.No 0 047 75 for 20.5 x 12.5 and 30 x 10.5 mm bar and Ø23 mm cable
Cat.No 0 046 38 for 40.5 x 10.5 mm bar and Ø35 mm cable
Fixing on EN 60715 rail or on plate



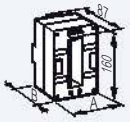
Cat.Nos	A	B	C	D	Ø	Fixing centres on plate
0 047 75	56	42	94	50	23	50 x 45
0 046 38	77	46	107	54	35	54 x 45

Cat.Nos 0 047 76/77/78 for 65 x 32 mm bar
Cat.No 0 047 79 for 84 x 34 mm bar
Fixing on bar



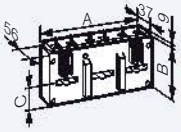
Cat.Nos	A	B	C	D
0 047 76/77/78	90	90	94	40
0 047 79	96	87	116	58

Cat.Nos 0 046 45/46 for 127 x 38 mm bar
Cat.Nos 0 047 80 and 0 046 48 for 127 x 54 mm bar
Fixing on bar



Cat.Nos	A	B
0 046 45/46	99	58
0 046 48/0 047 80	125	40

• Three-phase CT
Cat.No 0 046 98 for three 20.5 x 5.5 mm bars
Cat.No 0 046 99 for three 30.5 x 5.5 mm bars
Fixing on bar



Cat.Nos	A	B	C
0 046 98	107	58.5	25
0 046 99	135	66.5	30

Determination of the max. distance between CT and meter

Cat.Nos	Max. power of CT	Meter consump. (W)	Max. loss in capac. (VA)	Max. distance bet. CT & meter (m)		
				Wiring 2.5 mm^2	Wiring 4 mm^2	Wiring 6 mm^2
0 046 31	1.25	0.5	0.75	1.8	2.7	3.9
0 046 34	2.5	0.5	2	4.9	7.1	10.4
0 046 98	3	0.5	2.5	6.1	8.9	13
0 046 99	4	0.5	3.5	8.5	12.4	18.1
0 046 36	5.5	0.5	5	12.2	17.8	25.9
0 047 75	11	0.5	10.5	25.5	37.3	54.4
0 046 38 0 047 76	12	0.5	11.5	28	40.8	59.6
0 047 77/79 0 046 45	15	0.5	14.5	35.3	51.5	75.2
0 046 46 0 047 78	20	0.5	19.5	47.4	69.3	101.1
0 047 80 0 046 48	50	0.5	49.5	120.4	175.8	256.7

EMDX³ electrical energy meters

rail mounting

Technical characteristics

Single-phase meters Cat.Nos 0 046 70/72/77/78/79/81

LCD display: 7 digits
Resolution: 0.1 kWh
Maximum indication: 99999.9 kWh
Metrological LED: 1 Wh/pulse (Cat.No 0 046 70 : 0.5 Wh/pulse)
Accuracy (EN 62053-21): class 1
Reference voltage Un: 230 V-240 V
Reference frequency: 50-60 Hz

Three-phase meters Cat.Nos 0 046 73/74/80/82/83/84/85/86

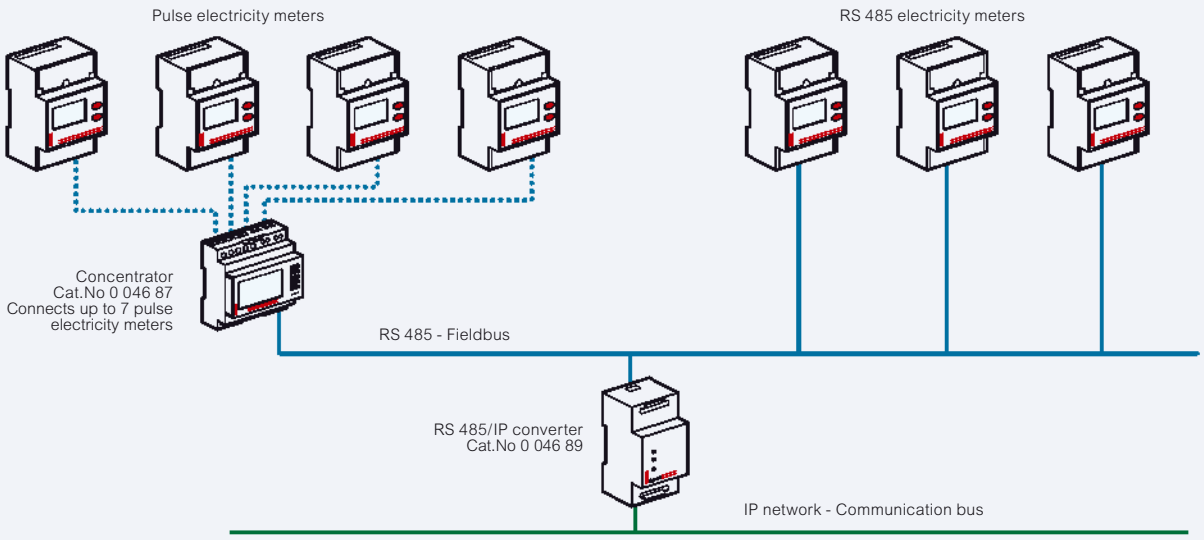
LCD display: 8 digits
Resolution: 0.01 kWh(1)
Maximum indication: 99999.99 kWh(1)
Metrological LED: 0.1 Wh/pulse or 1 Wh/pulse
Active energy accuracy (EN 62053-21): class 1
Reactive energy accuracy (EN 62053-23): class 2
Reference voltage Un:
- Single-phase: 230-240 V
- Three-phase: 230(400)-240(415) V

Operating limit range (EN 62053-21, EN 62053-23):
- Single-phase: 110 to 254 V
- Three-phase: 110(190) to 254(440) V

Pulse output: 1 pulse/10 Wh

Cat.Nos		0 046 70	0 046 81	0 046 72	0 046 77	0 046 78	0 046 79	0 046 73	0 046 80	0 046 82	0 046 83	0 046 74	0 046 84	0 046 85	0 046 86
Number of modules		1	2	2	2	2	2	4	4	4	4	4	4	4	4
Connection	Direct	●	●	●	●	●	●	●	●	●	●				
	Via a current transformer											●	●	●	●
	Single-phase	●	●	●	●	●	●					●	●		
	Three-phase							●	●	●	●	●	●	●	●
Max. current		32 A	36 A	63 A	63 A	63 A	63 A	63 A	63 A	63 A	63 A	5 A (CT)	5 A (CT)	5 A (CT)	5 A (CT)
Metering and measurement	Total active energy	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Total reactive energy							●	●	●	●	●	●	●	●
	Partial active energy (reset)		●	●	●	●	●	●	●	●	●	●	●		
	Partial reactive energy (reset)							●	●	●	●	●	●		
	Active power			●	●	●	●	●	●	●	●	●	●	●	●
	Reactive power							●	●	●	●	●	●	●	●
	Apparent power							●	●	●	●	●	●	●	●
	Current			●	●	●	●	●	●	●	●	●	●	●	●
	Voltage			●	●	●	●	●	●	●	●	●	●	●	●
	Frequency			●	●			●	●	●	●	●	●	●	●
	Power factor			●	●			●	●	●	●	●	●	●	●
	Time-of-use			●	●										
	Average active power							●	●	●	●	●	●	●	●
	Max. average active power value							●	●	●	●	●	●	●	●
	Dual tariff							●							
Communication	Pulse output	●	●	●		●		●		●		●	●	●	●
	RS 485 interface				●		●		●		●		●		●
MID compliant						●	●			●	●			●	●
Operating conditions	Reference temperature	23 °C ± 2 °C													
	Operating temperature	-20 to +55 °C	-10 to +45 °C					-5 to +55 °C							
	Storage temperature	-40 to +70 °C	-25 to +70 °C					-25 to +70 °C							
	Consumption	≤ 8 VA						≤ 4 VA per phase				≤ 1 VA per phase			
	Heat dissipation	≤ 6.5 W						≤ 6 W				≤ 4 W			

Interfacing with IP communication network



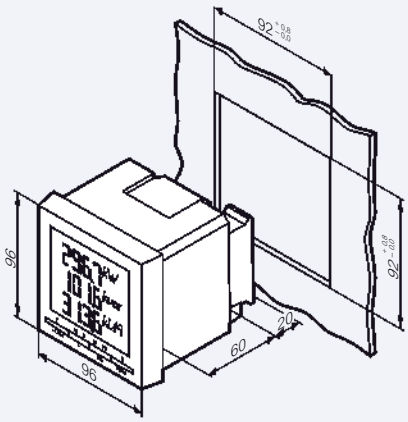
1: For direct connection meters
If connected via transformers, the resolution and maximum indication depend on the transformation ratios of these transformers

EMDX³ multi-function measuring units

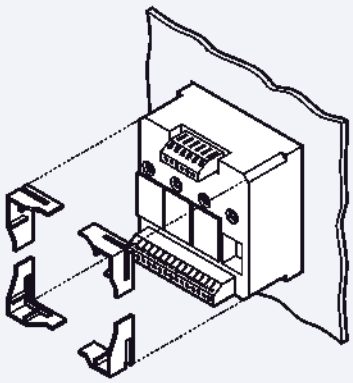
Technical characteristics

Cat.Nos			0 046 75/76	0 146 68	0 146 69
Connection	Current measurement terminals		4 mm²	6 mm²	6 mm²
	Other terminals		2.5 mm²	2.5 mm²	2.5 mm²
Protection index	Front cover		IP 51	IP 52	IP 52
	Casing		IP 20	IP 30	IP 30
Weight			205/215 g	400 g	400 g
Display			Backlit LCD	Backlit LCD	Backlit LCD
Measurements			3P+N, 3P, 2P, 1P+N	3P+N, 3P, 2P, 1P+N	3P+N, 3P, 2P, 1P+N
Voltage measurement	Direct	Phase/phase	50 to 520 V~	50 to 500 V~	18 to 700 V~
		Phase/neutral	28 to 300 V~	28 to 289 V~	11 to 404 V~
	From a PT	Primary	-	-	≤ 500 kV
		Secondary	-	-	60, 100, 110, 115, 120, 173, 190 V~
	Permanent overload between phases		760 V~	800 V~	760 V~
	Update period		1 s	1 s	1 s
Current measurement	From a CT	Primary	5 to 9999 A	≤ 9999 A	≤ 9995 A
		Secondary	5 A	5 A	1 or 5 A
	Minimum measurement		5 mA	5 mA	10 mA
	Input consumption		< 0.6 VA	< 0.6 VA	< 0.3 VA
	Display		0 to 9999 A	1 to 11 kA	0 to 11 kA
	Permanent overload		6 A	6 A	10 A
	Intermittent overload		60 A/1 s - 120 A/0.5 s	10 In/1 s	10 In/1 s
	Update period		1 s	1 s	1 s
	Max. CT x PT ratio		-	-	10000000
Power measurement	Total		0 to 9999 kW/kvar/kVA	0 to 11 MW/Mvar/MVA	0 to 8000 MW/Mvar/MVA
	Update period		1 s	1 s	1 s
Frequency measurement	Measurement range		45.0 to 65.0 Hz	45.0 to 65.0 Hz	45.0 to 65.0 Hz
	Update period		1 s	1 s	1 s
Auxiliary power supply	50/60 Hz		200 to 277 V~ ±15%	110 to 400 V~ ±10%	110 to 400 V~ ±10%
	DC		-	120 to 350 V⎓ ±20%	120 to 350 V⎓ ±20%
	Consumption		< 5 VA	< 10 VA	< 10 VA
Operating temperature			-10 °C to +55 °C	-10 °C to +55 °C	-10 °C to +55 °C
Storage temperature			-20 °C to +70 °C	-20 °C to +85 °C	-20 °C to +85 °C

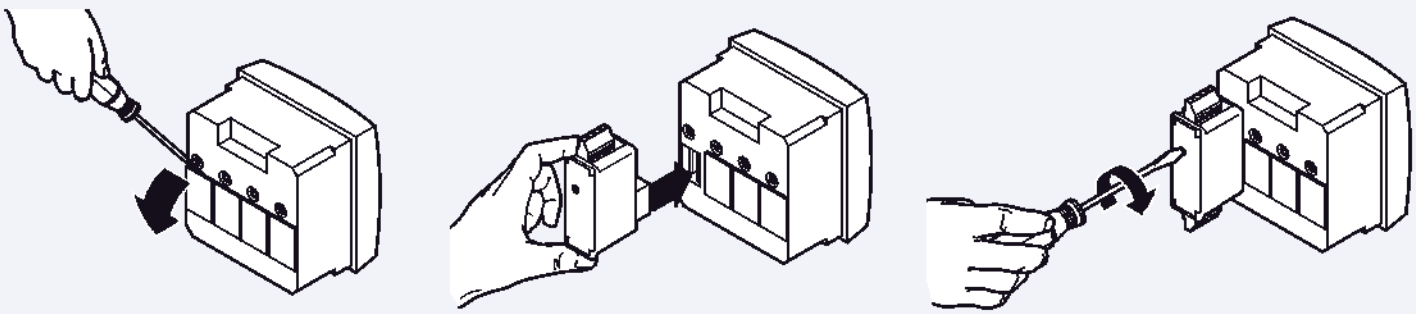
Flush-mounting dimensions Cat.Nos 0 146 68/69



Fixing on door Cat.Nos 0 146 68/69

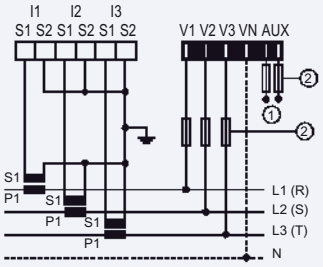


Fitting modules Cat.Nos 0 146 68/69

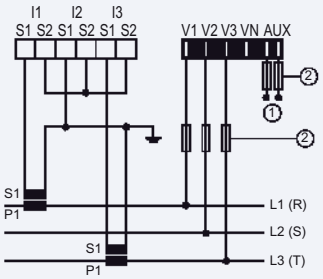


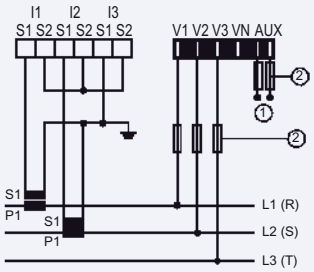
Connection solutions

Unbalanced three-phase network (3 or 4-wire)

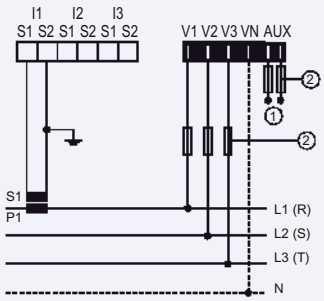


(3-wire)

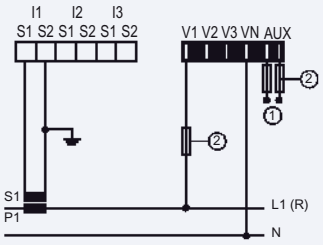




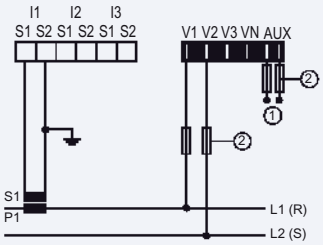
Balanced three-phase network (3 or 4-wire)



Single-phase network (2-wire)

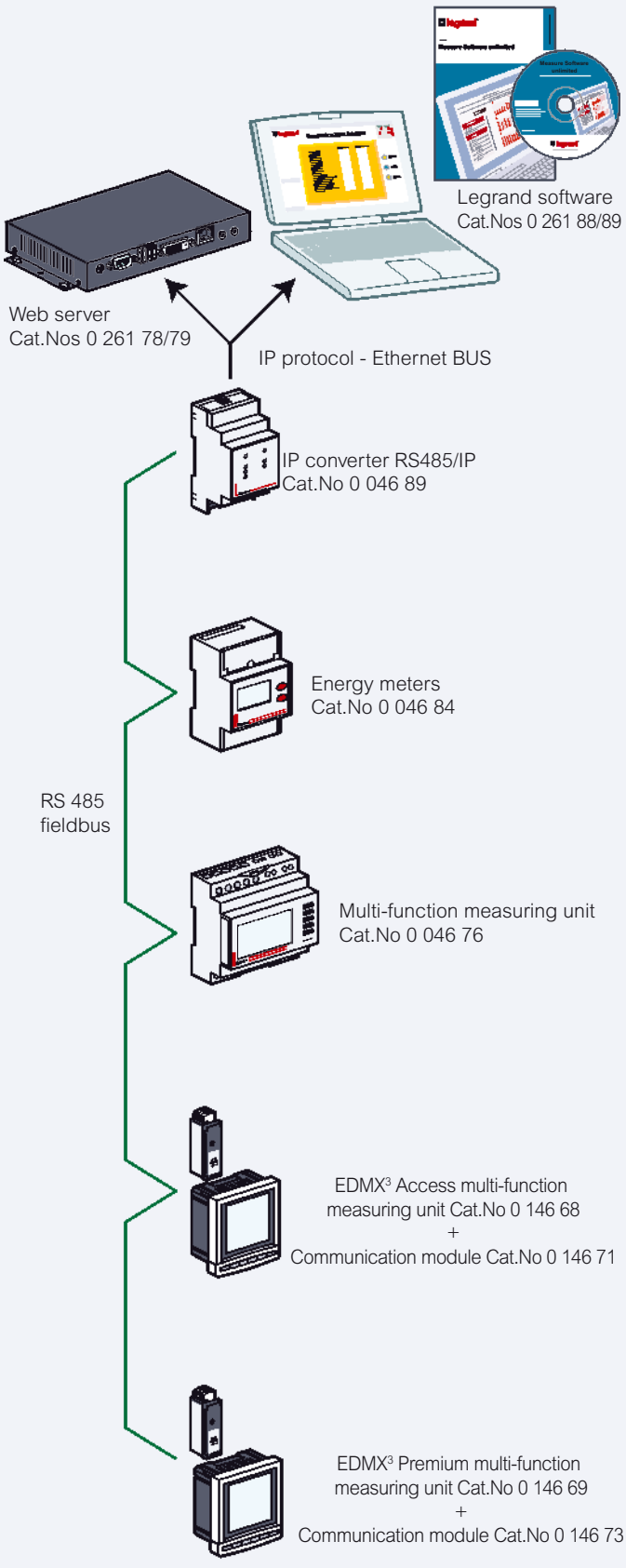


Two-phase network (2-wire)



① Auxiliary power supply: 110 … 400 VAC/120 … 350 VDC
② Fuse: 0.5 A gG/BS 88 2A gG/0.5 A class CC

Wiring example of communication network




0 046 02


0 046 00


0 046 63

Dimensions **see e-catalogue**

Analogue metering devices

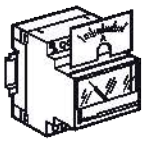
Ammeters

Measure the intensity in Amperes (A) of the current circulating in an electrical circuit

Pack	Cat.Nos		Number of modules
1	0 046 02	Direct connection AC or DC Scale: 0 - 30 A - supplied with dial	4
1	0 046 00	Connected via a 0 - 5 A output current transformer (CT)	4

Measuring dials for ammeter Cat.No 0 046 00

2	0 046 10	0-50 A
2	0 046 13	0-100 A
2	0 046 15	0-200 A
2	0 046 16	0-250 A
2	0 046 17	0-300 A
2	0 046 18	0-400 A
2	0 046 20	0-600 A
2	0 046 21	0-800 A
2	0 046 22	0-1000 A
2	0 046 66	0-1250 A
2	0 046 24	0-1500 A
2	0 046 25	0-2000 A



Voltmeter

Measure the AC or DC voltage in a circuit in volts (V)

Pack	Cat.Nos		Number of modules
1	0 046 60	Scale: 0-500 V	4

Digital ammeter / voltmeter

Connection:
- Ammeter mode: connected via a 0 - 5 A current transformer (CT)
Reading range adjusted according to CT used
- Voltmeter mode: measures the AC or DC voltage of an electrical circuit; scale 0 - 600 V

Pack	Cat.Nos		Number of modules
1	0 046 63	Voltage: 230 V∿ - 50/60 Hz Reading: I - 0 to 8000 A U - 0 to 500 V	4

Selective measurement switches

For manual selection of the circuits to be measured

Ammeter cam switch

For measuring the current in a circuit with one ammeter, connected via a current transformer (CT)

Pack	Cat.Nos		Number of modules
1	0 046 50	3-phase, 4-position cam switch	3

Voltmeter cam switches

For measuring the voltages in a circuit with one voltmeter

Pack	Cat.Nos		Number of modules
1	0 046 52	3-phase, 4-position cam switch	3
1	0 046 53	3-phase with neutral, 7-position cam switch	3

Digital frequency meter

For measuring the frequency of a 230 V∿ electrical circuit in hertz (Hz)
Supply voltage 230 V∿ (connected to circuit to be measured)

Pack	Cat.Nos		Number of modules
1	0 046 64	Green LED 3 digit display - 40-80 Hz display	4

Totalising hour counters

Count the operating hours of a machine or an electrical device to determine its exact operating time
Counter with numerical display
Capacity: 5 digits + 2 decimal places (1 unit = 1 hour)
Precision: 1/100th hour
Consumption: 0.2 VA

Pack	Cat.Nos		Number of modules
1	0 046 94	230 V∿ - 50 Hz	2
1	0 046 91	24 V∿ - 50 Hz	2

Current transformers (CT)
p. 88





0 146 00 + 0 146 16



0 146 61



0 495 55

Ammeters, voltmeters, totalising, can be mounted on XL³ 800 and XL³ 4000 curved doors

Pack	Cat.Nos	Analogue metering devices
		Ammeters
		Measure the intensity in amperes (A) of the current Connected via a 0 - 5 A output current transformer (CT) To be fitted with a measuring dial appropriate for the current to be measured
1	0 146 00	Round barrel Ø56 mm
1	0 146 01	Square barrel 68 x 68 mm
		Measuring dial for ammeters
		Supplied by set of 2 (1 for round barrel, 1 for square barrel)
1	0 146 10	0 - 50 A
1	0 146 13	0 - 100 A
1	0 146 15	0 - 200 A
1	0 146 16	0 - 250 A
1	0 146 17	0 - 300 A
1	0 146 18	0 - 400 A
1	0 146 20	0 - 600 A
1	0 146 21	0 - 800 A
1	0 146 22	0 - 1000 A
1	0 146 66	0 - 1250 A
1	0 146 24	0 - 1500 A
1	0 146 25	0 - 2000 A
1	0 146 26	0 - 2500 A
1	0 146 28	0 - 4000 A
		Voltmeters
		Measure the voltage in volts (V) AC ou DC Scale: 0 - 500 V
1	0 146 60	Round barrel Ø56 mm
1	0 146 61	Square barrel 68 x 68 mm
		Totalising hour counters (48 x 48)
		One-piece device - IP 40 Front mounting on enclosure or cabinet doors Synchronous motor operation (operation indicator) For counting the operating hours of an electrical machine or device, with no reset Supplied with cover frame (55 x 55 mm) (for round cut-out) and fixing accessories Connection: 2 x 1.5 mm²
1	0 495 52	24 V∿ - 50 Hz
1	0 495 53	110 to 120 V∿ - 50 Hz
1	0 495 54	110 to 120 V∿ - 60 Hz
1	0 495 55	200 to 240 V∿ - 50 Hz
1	0 495 58	48 V∿ - 50 Hz
1	0 495 59	400 V∿ - 50 Hz
1	0 495 60	12 to 36 V⎓
100	0 495 97	Frame 55 x 55 mm

Metering devices on rail

Technical characteristics

Analogue ammeters

Type of measurement	Analogue Ferromagnetic	
Frequency	50 to 60 Hz	
Precision	1.5 %	
Operating temperature	- 10 °C to + 40 °C	
Storage temperature	- 20 °C to + 80 °C	
Consumption: • voltage circuit • measurement circuit	- 1.1 VA	
Connection capacity	Direct	Par TI
	6 mm²	4 mm²
Conformity to standards	NF EN 61010-1	

Analogue Voltmeters

Type of measurement	Analogue Ferromagnetic integration
Frequency Precision	50 to 60 Hz 1.5 %
Operating temperature	- 10°C to + 40°C
Storage temperature	- 20°C to + 80°C
Consumption	3 VA
Connection capacity	2 x 2.5 mm²
Conformity to standards	NF EN 61010-1

Digital frequency meter

Type of measurement	Quartz electronic
Precision	± 0.2 % for ± 1 digit
Operating temperature	- 10°C to + 40°C
Storage temperature	- 20°C to + 70°C
Consumption	4.5 VA
Connection capacity	2 x 2.5 mm²
Conformity to standards	NF EN 61010-1

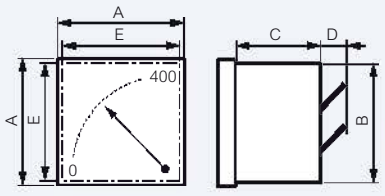
Analogue metering devices on door

Technical characteristics

Frequency: 50/60 Hz
Precision class: 1.5 %
Operating temperature: - 10 °C to + 40 °C
Storage temperature: - 20 °C to + 80 °C
Consumption:
- ammeter: 1.1 VA
- voltmeter: 3 VA
Connection capacity: 2 x 2.5 mm² with screws or
Conform to IEC 60051, VDE 0410, BS 89,
EN 60051-1, cenelec HD 223

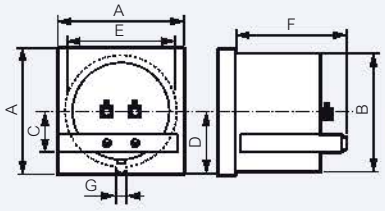
Dimensions

Cat.Nos 0 146 01/61



Dimensions (mm)				
A	B	C	D	E
72	66.5	44	12	68±0,7

Cat.Nos 0 146 00/60



Dimensions (mm)						
A	B	C	D	E	F	G
72	Ø55	21.4	28.5	56	46	3.2

Alpican capacitors



4 151 80 4 151 83 4 151 84 4 151 86

Compact design in cylindrical aluminium can
Biodegradable soft resin impregnant
Dual safety with self healing and overpressure disconnector
Conforming to standard IEC 60831-1 and 2

Three-phase 400 V - 50 Hz

440 V max.

Pack	Cat.Nos	Nominal power (kVAr) 50 Hz	60 Hz
1	4 151 60	2.5	3
1	4 151 61	5	6
1	4 151 62	6.3	7.6
1	4 151 63	7.5	9
1	4 151 64	10	12
1	4 151 65	12.5	15
1	4 151 66	15	18
1	4 151 67	20	24
1	4 151 68	25	30

Three-phase 415 V - 50 Hz

456 V max.

Pack	Cat.Nos	Nominal power (kVAr) 50 Hz	60 Hz
1	4 151 69	2.5	3
1	4 151 70	5	6
1	4 151 71	6.3	7.6
1	4 151 72	7.5	9
1	4 151 73	10	12
1	4 151 74	12.5	15
1	4 151 75	15	18
1	4 151 76	20	24
1	4 151 77	25	30

Three-phase 440 V - 50 Hz

484 V max.

Pack	Cat.Nos	Nominal power (kVAr) 50 Hz	60 Hz
1	4 151 78	2.5	3
1	4 151 79	5	6
1	4 151 80	6.3	7.6
1	4 151 81	7.5	9
1	4 151 82	10	12
1	4 151 83	12.5	15
1	4 151 84	15	18
1	4 151 85	20	24
1	4 151 86	25	30
1	4 151 87	30	36

Three-phase 480 V - 50 Hz

528 V max.

Pack	Cat.Nos	Nominal power (kVAr) 50 Hz	60 Hz
1	4 151 88	5	6
1	4 151 89	10.4	12.5
1	4 151 90	12.5	15
1	4 151 91	15	18
1	4 151 92	20.8	25
1	4 151 93	25	30
1	4 151 94	30	36

Alpican capacitors

technical characteristics

Technical specifications

Discharge resistors:
Fitted inside, they discharge the unit in accordance with current standards (discharge time, 3 minutes)

Loss factor:
Alpican capacitors have a loss factor of less than 0.2 x 10-3
This value leads to a power consumption of less than 0.45 W per kVAr, excluding the discharge resistors

Rated frequency: 50/60 Hz

Capacitance: tolerance on the capacitance value: - 5 % / 10 %

Max. permissible voltage:
1.1 Un up to 8 hours daily (according to IEC 60831-1 and 2)

Max. permissible current:
Up to 1.5 Ir including combined effects of harmonics (according to IEC 60831-1 and 2)

Inrush current: up to 200 Ir

Insulation class: 3/15 kV

Standards:
Alpican capacitors comply with:
• International standard: IEC 60831-1 and 2

Temperature class:
Alpican capacitors are designed for a standard -25D temperature class
• Maximum temperature: 55 °C
• Average over 24 hours: 45 °C
• Annual average: 35 °C
• Lowest temperature class: - 25 °C

Cooling: natural or forced

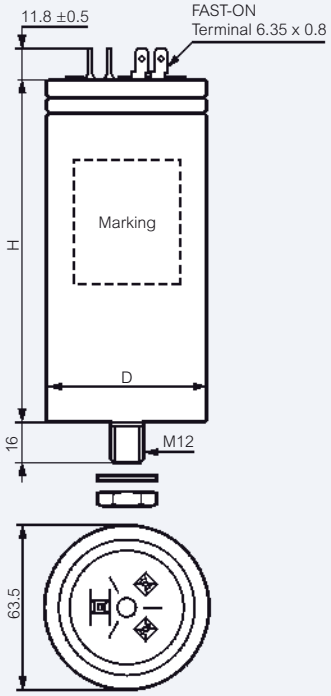
Humidity: max. 95 %

Altitude: max. 4000 m above the sea level

Mounting position: vertical

Dimensions

For capacitors from 2.5 to 5 kVAr - 400 V, 415 V and 440 V



Creepage distance:
• Ø63.5: 10.0 mm

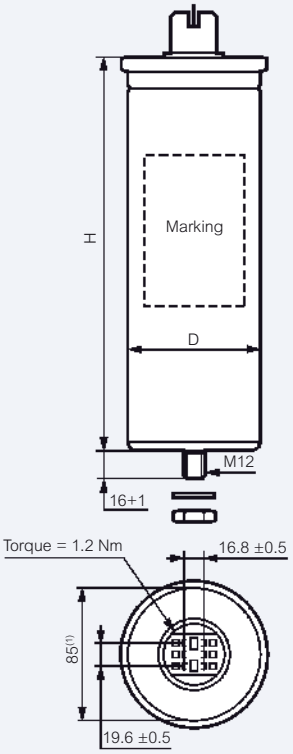
Clearance:
• Ø63.5: 16.5 mm

Mounting:
• Ø63.5:
M 12, torque 10 Nm
Totheed washer J 12.5 DIN 6797
Hex nut BM 12 DIN 439

Cat.No	Nominal power at 50 Hz (kVAr)	Dimensions (mm)			Weight (kg)
		D	H	max. A	
4 151 60	2.5	63.5	129	12	0.4
4 151 61	5	63.5	129	12	0.4
4 151 69	2.5	63.5	129	13	0.4
4 151 70	5	63.5	129	12	0.4
4 151 78	2.5	63.5	129	12	0.3
4 151 79	5	63.5	154	12	0.5

Dimensions (continued)

For capacitors from 6.3 to 30 kVAr - 400 V, 415 V, 440 V and full range of 480 V capacitors



(1) Seaming adds 4 mm in diameter

Creepage distance:
• Ø75 / Ø85: 9.6 mm

Clearance:
• Ø75 / Ø85: 12.7 mm

Mounting:
• Ø75 / Ø85:
M 12, torque 10 Nm
Totheed washer J 12.5 DIN 6797
Hex nut BM 12 DIN 439

Cat.No	Nominal power at 50 Hz (kVAr)	Dimensions (mm)			Weight (kg)
		D	H	max. A	
4 151 62	6.3	75	160	13	0.5
4 151 63	7.5	75	160	13	0.5
4 151 64	10	75	198	13	0.6
4 151 65	12.5	85	198	13	0.8
4 151 66	15	85	198	13	0.8
4 151 67	20	85	273	13	1.1
4 151 68	25	85	273	13	1.5
4 151 71	6.3	75	160	13	0.5
4 151 72	7.5	75	198	13	0.6
4 151 73	10	75	198	13	0.6
4 151 74	12.5	85	198	13	0.8
4 151 75	15	85	273	13	1.2
4 151 76	20	85	273	13	1.2
4 151 77	25	85	348	13	1.5
4 151 80	6.3	75	160	13	0.5
4 151 81	7.5	75	160	13	0.5
4 151 82	10	75	198	13	0.6
4 151 83	12.5	85	198	13	0.8
4 151 84	15	85	273	13	1.2
4 151 85	20	85	273	13	1.2
4 151 86	25	85	348	13	1.5
4 151 87	30	85	348	13	1.6
4 151 88	5	75	160	13	0.5
4 151 89	10.4	85	198	13	0.8
4 151 90	12.5	85	198	13	0.8
4 151 91	15	85	273	13	1.2
4 151 92	20.8	85	273	13	1.2
4 151 93	25	85	348	13	1.5
4 151 94	30	90	348	13	1.5

Capacitors Alpivar

400 V network



V2540CB

Double or class II insulation. Totally dry
Self-extinguishing polyurethane resin casing. Internal protection for each winding using:
- A self-healing metallised polypropylene film
- An electric fuse
- A disconnection device in case of overpressure

Colour: Casing RAL 7035 Cover RAL 7001
Conforming to standards EN and IEC 60831-1 and 2

Pack	Cat.Nos	**Standard type three-phase 400 V - 50 Hz** **470 V max.** Harmonic pollution SH/ST ≤ 15% Nominal power (kVAr)
1	V2.540CB	2.5
1	V540CB	5
1	V7.540CB	7.5
1	V1040CB	10
1	V12.540CB	12.5
1	V1540CB	15
1	V2040CB	20
1	V2540CB	25
1	V3040CB	30
1	V3540CB	35
1	V4040CB	40
1	V5040CB	50
1	V6040CB	60
1	V7540CB	75
1	V9040CB	90
1	V10040CB	100
1	V12540CB	125

Pack	Cat.Nos	**H type three-phase 400 V - 50 Hz** **520 V max.** Harmonic pollution 15% < SH/ST ≤ 25% Nominal power (kVAr)
1	VH2.540CB	2.5
1	VH540CB	5
1	VH7.540CB	7.5
1	VH1040CB	10
1	VH12.540CB	12.5
1	VH1540CB	15
1	VH2040CB	20
1	VH2540CB	25
1	VH3040CB	30
1	VH3540CB	35
1	VH4040CB	40
1	VH5040CB	50
1	VH6040CB	60
1	VH7540CB	75
1	VH8040CB	80
1	VH9040CB	90
1	VH10040CB	100
1	VH12540CB	125

Capacitors Alpivar

Technical specifications

Discharge resistors

Fitted inside (except by special request), these discharge the unit in accordance with current standards (discharge time, 3 minutes)

Loss factor

Alpivar² capacitors have a loss factor of less than 0.1 x 10-3
This value leads to a power consumption of less than 0.3 W per kVAr, including the discharge resistors.

Capacitance

Tolerance on the capacitance value: ± 5%
Our manufacturing process, which avoids any inclusion of air in the coils, ensures excellent stability of the capacitance throughout the service life of the Alpivar² capacitor.

Max. permissible voltage: 1.18 Un rated

Max. permissible current:

- Standard type: 1.3 In
- H type: 1.5 In

Insulation class

- Withstand at 50 Hz for 1 min: 6 kV
- 1.2/50 µs impulse withstand: 25 kV

Standards

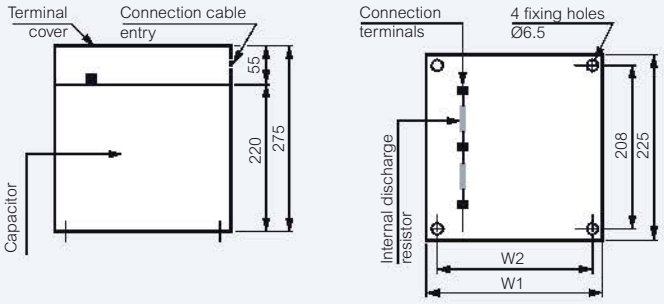
Alpivar² capacitors comply with:
- French standard: NF EN 60831-1 and 2
- European standard: EN 60831-1 and 2
- International standard: IEC 60831-1 and 2
- End of life performance tests performed successfully in EDF and LCIE laboratories

Temperature class

Alpivar² capacitors are designed for a standard temperature class -25/+55°C
- Maximum temperature: 55°C
- Average over 24 hours: 45°C
- Annual average: 35°C
- Other temperature classes on request

Dimensions

Standard type / H type - Three-phase



Standard type	H type	Dimensions (mm)			Weight (kg)
		W1	W2	H	
V2.540CB	VH2.540CB	90	70	275	3.5
V540CB	VH540CB	90	70	275	3.5
V7.540CB	VH7.540CB	90	70	275	3.5
V1040CB	VH1040CB	90	70	275	3.5
V12.540CB	VH12.540CB	90	70	275	3.5
V1540CB	VH1540CB	90	70	275	3.5
V2040CB	VH2040CB	90	70	275	3.5
V2540CB	VH2540CB	90	70	275	3.5
V3040CB	VH3040CB	180	156	275	7
V3540CB	VH3540CB	180	156	275	7
V4040CB	VH4040CB	180	156	275	7
V5040CB	VH5040CB	180	156	275	7
V6040CB	VH6040CB	270	244	275	10.5
V7540CB	VH7540CB	270	244	275	10.5
	VH8040CB	360	332	275	14
V9040CB	VH9040CB	360	332	275	14
V10040CB	VH10040CB	360	332	275	14
V12540CB	VH12540CB	450	419	275	17.5

Fixed capacitor banks Alpibloc

400 V network



B6040

Alpibloc is an Alpivar² capacitor with built-in circuit breaker
Assembly fitted and wired in an IP 31 - IK 05 box or cabinet
Equipment supplied ready for connection, for fixed compensation of low and medium power electrical devices
For certain applications (remote control, etc.) the circuit breaker can be replaced by a contactor and HRC fuses (on request)
Conforming to standards EN and IEC 60831-1 and 2

Standard type three-phase 400 V - 50 Hz

470 V max.

Harmonic pollution 15% ≤ SH/ST

Pack	Cat.Nos	Nominal power (kVAr)	Circuit breaker Isc (kA)
1	B1040	10	50
1	B1540	15	50
1	B2040	20	50
1	B2540	25	50
1	B3040	30	50
1	B4040	40	25
1	B5040	50	25
1	B6040	60	25
1	B7540	75	25
1	B9040	90	36
1	B10040	100	36
1	B12540	125	36
1	B15040	150	36
1	B17540	175	36

H type three-phase 400 V - 50 Hz

520 V max.

Harmonic pollution 15% < SH/ST ≤ 25%

Pack	Cat.Nos	Nominal power (kVAr)	Circuit breaker Isc (kA)
1	BH1040	10	50
1	BH1540	15	50
1	BH2040	20	50
1	BH2540	25	50
1	BH3040	30	50
1	BH4040	40	25
1	BH5040	50	25
1	BH6040	60	25
1	BH7540	75	25
1	BH9040	90	36
1	BH10040	100	36
1	BH12540	125	36
1	BH15040	150	36
1	BH17540	175	36

Fixed capacitor banks Alpibloc

Dimensions

Standard type - Three-phase

Cat.Nos	Dimensions (mm)			Weight (kg)
	Height	Width	Depth	
B1040	380	190	230	5
B1540	380	190	230	5
B2040	380	190	230	5
B2540	380	190	230	7.5
B3040	380	190	230	10
B4040	380	365	230	10
B5040	380	365	230	12.5
B6040	380	365	230	15
B7540	380	365	230	15
B9040	380	540	230	25
B10040	380	540	230	25
B12540	380	540	230	30
B15040	770	520	320	50
B17540	770	520	320	55

H type - Three-phase

Cat.Nos	Dimensions (mm)			Weight (kg)
	Height	Width	Depth	
BH1040	380	190	230	5
BH1540	380	190	230	5
BH2040	380	190	230	5
BH2540	380	190	230	7.5
BH3040	380	190	230	10
BH4040	380	365	230	10
BH5040	380	365	230	12.5
BH6040	380	365	230	15
BH7540	380	365	230	15
BH9040	380	540	230	25
BH10040	380	540	230	25
BH12540	380	540	230	30
BH15040	770	520	320	50
BH17540	770	520	320	55

Racks Alpimatic

400 V network



P7540

Factory connected units for integration in universal cabinets for automatic compensation systems
Standard and H versions:
- 1 Alpivar² capacitor
- 1 contactor suitable for the capacitive currents
- 1 set of 3 HRC fuses
- 1 set of modular copper busbars with junction bars for connecting several racks
- 1 steel frame on which the components are assembled and wired

Pack	Cat.Nos	**Standard type three-phase 400 V - 50 Hz** **470 V max.** Harmonic pollution SH/ST ≤ 15% Nominal power (kVAr)
1	P12.540	12.5
1	P12.512.540	12.5+12.5
1	P2540	25
1	P252540	25+25
1	P255040	25+50
1	P5040	50
1	P7540	75

Pack	Cat.Nos	**H type three-phase 400 V - 50 Hz** **520 V max.** Harmonic pollution 15% < SH/ST ≤ 25% Nominal power (kVAr)
1	PH12.540	12.5
1	PH12.512.540	12.5+12.5
1	PH2540	25
1	PH252540	25+25
1	PH255040	25+50
1	PH5040	50
1	PH7540	75

Racks Alpimatic

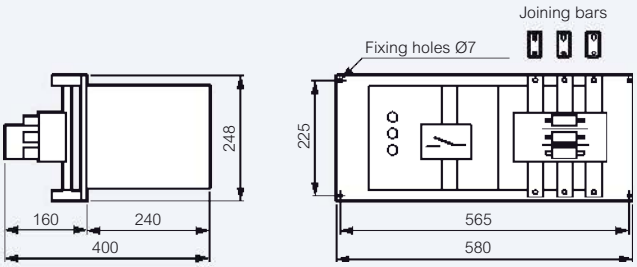
Technical specifications

Loss factor
Standard and H type Alpimatic racks have a loss factor of 2 W/kVAr, while that of SAH type racks is 6 W/kVAr

Standards
- International standard: IEC 61433-1
- European standard: EN 61439-1
- French standard: NF EN 61439-1

Temperature class
- Operation: -10 to +45°C (average over 24 hours: 40°C)
- Storage: -30 to +60°C

Dimensions



Standard type

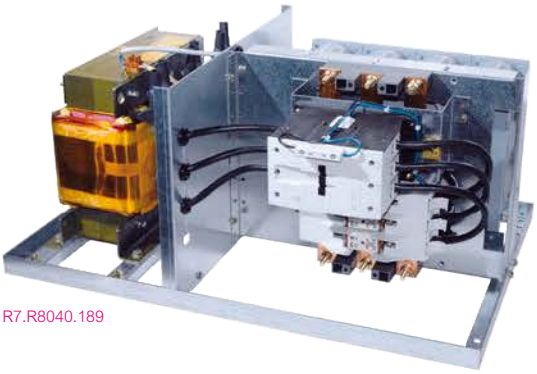
	Weight (kg)
P12.540	6
P12.512.540	11
P2540	9
P252540	16
P255040	22
P5040	16
P7540	22

H type

	Weight (kg)
PH12.540	7
PH12.512.540	14
PH2540	10
PH252540	17
PH255040	23
PH5040	17
PH7540	23

Racks Alpimatic with detuned reactors

400 V network



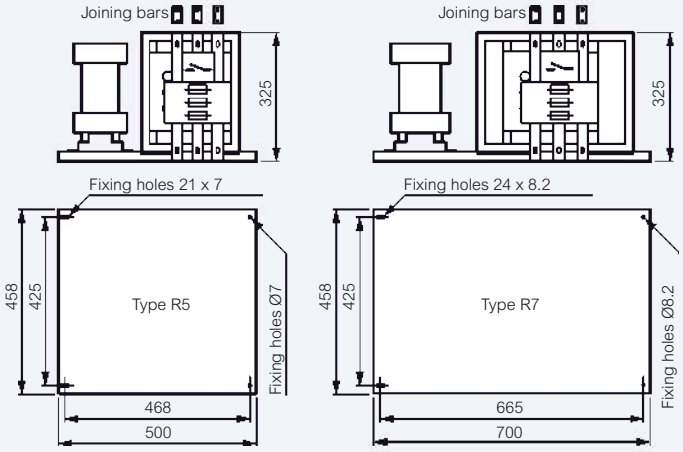
R7.R8040.189

Factory connected units for integration in universal cabinets for automatic compensation systems
SAH versions (detuned reactors):
- 1 Alpivar² capacitor
- 1 contactor suitable for the capacitive currents
- 1 detuned reactor with thermal protection
- 1 set of 3 HRC fuses
- 1 set of modular copper busbars with junction bars for connecting several racks
- 1 steel frame on which the components are assembled and wired

Pack	Cat.Nos	SAH type three-phase 400 V - 50 Hz
		Standard class - Max. 470 V
		Harmonic pollution 25% < SH/ST ≤ 35%
	N	Nominal power (kVAr)
1	R5.2540.189	25
1	R5.5040.189	50
1	R7.5040.189	50
1	R7.7540.189	75
		Reinforced class - Max. 520 V
		Harmonic pollution 35% < SH/ST ≤ 50%
	N	Nominal power (kVAr)
1	R5.R4040.189	40
1	R7.R4040.189	40
1	R7.R8040.189	80
		Extra-reinforced class - Max. 620 V
		Harmonic pollution SH/ST > 50%
	N	Nominal power (kVAr)
1	R9.RS7240.189	72

Racks Alpimatic with detuned reactors

Dimensions

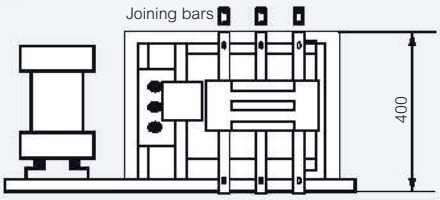


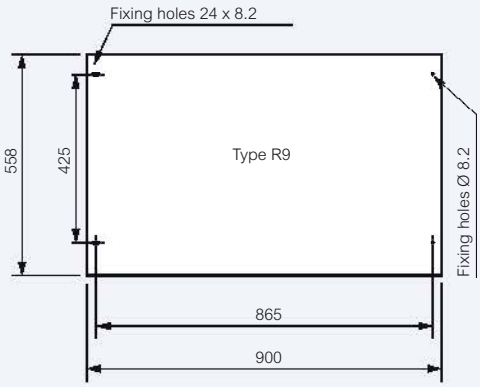
Standard class

	Weight (kg)
R5.2540.189	45
R5.5040.189	50
R7.5040.189	55
R7.7540.189	60

Reinforced class

	Weight (kg)
R5.R4040.189	50
R7.R4040.189	52
R7.R8040.189	65





Extra-reinforced class

	Weight (kg)
R9.RS7240.189	80

Automatic capacitor banks Alpimatic

400 V network



M6040



M20040

Dimensions **p. 102**

IP 31 - IK 05 cabinet
Fully modular design for easy extension and maintenance
Alpimatic is made up of one or several cabinets according to the capacitor bank model and the nominal current
The electromechanical contactors are controlled by the Alptec power controller with a simple commissioning procedure
Cable entry at the bottom (at the top on request)
Electrical parts protected against direct contact: IP 2 X (door open)
Grey cabinet (RAL 7035) with black base Conforming to standards IEC 60439-1 and 2 and EN 60439-1

Standard type three-phase 400 V - 50 Hz

470 V max.

Harmonic pollution SH/ST ≤ 15%

Pack	Cat.Nos	Nominal power (kVAr)	Steps (kVAr)
1	M1040	10	2x2.5+5
1	M1540	15	2.5+5+7.5
1	M2040	20	2.5+5+12.5
1	M2540	25	5+10+10
1	M3040	30	5+10+15
1	M3540	35	5+10+20
1	M4040	40	5+10+25
1	M5040	50	10+15+25
1	M52.540	52.5	7.5+15+30
1	M6040	60	10+25+25
1	M67.540	67.5	7.5+15+2x22.5
1	M7540	75	7.5+15+22.5+30
1	M87.540	87.5	12.5+3x25
1	M10040	100	12.5+2x25+37.5
1	M112.540	112.5	12.5+2x25+50
1	M12540	125	25+2x50
1	M15040	150	25+50+75
1	M17540	175	2x25+50+75
1	M20040	200	50+2x75
1	M22540	225	25+50+2x75
1	M25040	250	2x50+2x75
1	M27540	275	25+2x50+2x75
1	M30040	300	25+50+3x75
1	M35040	350	50+4x75
1	M40040	400	2x50+4x75
1	M45040	450	6x75
1	M50040	500	50+6x75
1	M55040	550	2x50+6x75
1	M60040	600	8x75
1	M67540	675	9x75
1	M75040	750	10x75
1	M82540	825	11x75
1	M90040	900	12x75

H type three-phase 400 V - 50 Hz

520 V max.

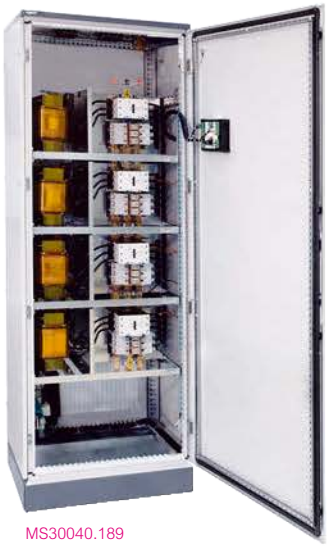
Harmonic pollution 15% < SH/ST ≤ 25%

Pack	Cat.Nos	Nominal power (kVAr)	Steps (kVAr)
1	MH1040	10	2x2.5+5
1	MH1540	15	2.5+5+7.5
1	MH2040	20	2.5+5+12.5
1	MH2540	25	5+10+10
1	MH3040	30	5+10+15
1	MH3540	35	5+10+20
1	MH4040	40	5+10+25
1	MH5040	50	10+15+25
1	MH52.540	52.5	7.5+15+2+22.5
1	MH6040	60	10+25+25
1	MH67.540	67.5	7.5+15+2+22.5
1	MH7540	75	7.5+15+22.5+30
1	MH87.540	87.5	12.5+3x25
1	MH10040	100	12.5+2x25+37.5
1	MH112.540	112.5	12.5+2x25+50
1	MH12540	125	25+2x50
1	MH15040	150	25+50+75
1	MH17540	175	2x25+50+75
1	MH20040	200	50+2x75
1	MH22540	225	25+50+2x75
1	MH25040	250	2x50+2x75
1	MH27540	275	25+2x50+2x75
1	MH30040	300	25+50+3x75
1	MH35040	350	50+4x75
1	MH40040	400	2x50+4x75
1	MH45040	450	6x75
1	MH50040	500	50+6x75
1	MH55040	550	2x50+6x75
1	MH60040	600	8x75
1	MH67540	675	9x75
1	MH75040	750	10x75
1	MH82540	825	11x75
1	MH90040	900	12x75

Other powers, voltages, frequencies on request
Please, consult us

Automatic capacitor banks Alpimatic

400 V network (continued)



MS30040.189



MS.R40040.189

Dimensions **p. 102**

IP 31 - IK 05 cabinet
Fully modular design for easy extension and maintenance
Alpimatic is made up of one or several cabinets according to the capacitor bank model and the nominal current
The electromechanical contactors are controlled by the Alptec power controller with a simple commissioning procedure
Cable entry at the bottom (at the top on request)
Electrical parts protected against direct contact: IP 2 X (door open)
Grey cabinet (RAL 7035) with black base Conforming to standards IEC 60439-1 and 2 and EN 60439-1

SAH type three-phase 400 V - 50 Hz

Standard class - Max. 470 V

Harmonic pollution 25% < SH/ST ≤ 35%

Pack	Cat.Nos	Nominal power (kVAr)	Steps (kVAr)
1	MS7540.189	75	25+50
1	MS10040.189	100	2x25+50
1	MS12540.189	125	25+2x50
1	MS15040.189	150	3x50
1	MS20040.189	200	50+2x75
1	MS22540.189	225	3x75
1	MS25040.189	250	2x50+2x75
1	MS27540.189	275	50+3x75
1	MS30040.189	300	4x75
1	MS35040.189	350	50+4x75
1	MS37540.189	375	5x75
1	MS45040.189	450	6x75
1	MS52540.189	525	7x75
1	MS60040.189	600	8x75
1	MS67540.189	675	9x75
1	MS75040.189	750	10x75

SAH type three-phase 400 V - 50 Hz (continued)

Reinforced class - Max. 520 V

Harmonic pollution 35% < SH/ST ≤ 50%

Pack	Cat.Nos	Nominal power (kVAr)	Steps (kVAr)
1	MS.R12040.189	120	3x40
1	MS.R16040.189	160	2x40+80
1	MS.R20040.189	200	40+2x80
1	MS.R24040.189	240	2x40+2x80
1	MS.R28040.189	280	40+3x80
1	MS.R32040.189	320	4x80
1	MS.R36040.189	360	40+4x80
1	MS.R40040.189	400	5x80
1	MS.R44040.189	440	40+5x80
1	MS.R48040.189	480	6x80
1	MS.R52040.189	520	40+6x80
1	MS.R56040.189	560	7x80
1	MS.R60040.189	600	40+7x80
1	MS.R64040.189	640	8x80
1	MS.R72040.189	720	9x80
1	MS.R80040.189	800	10x80

Other powers, voltages, frequencies on request
Please, consult us

Automatic capacitor banks Alpimatic

400 V network

Dimensions

Standard type - Three-phase

Cat.Nos	Dimensions (mm)			Weight (kg)
	Height	Width	Depth	
M1040	770	260	320	30
M1540	770	260	320	30
M2040	770	260	320	30
M2540	770	260	320	30
M3040	770	260	320	30
M3540	770	260	320	30
M4040	770	260	320	30
M5040	770	260	320	30
M52.540	770	260	320	30
M6040	770	260	320	30
M67.540	770	520	320	40
M7540	770	520	320	45
M87.540	770	520	320	45
M10040	770	520	320	45
M112.540	770	520	320	50
M12540	770	520	320	50
M15040	770	520	320	50
M17540	1400	600	500	110
M20040	1400	600	500	110
M22540	1400	600	500	120
M25040	1400	600	500	120
M27540	1400	600	500	125
M30040	1400	600	500	130
M35040	1900	600	500	165
M40040	1900	600	500	175
M45040	1900	600	500	190
M50040	1400	1200	500	230
M55040	1400	1200	500	245
M60040	1400	1200	500	250
M67540	1900	1200	500	315
M75040	1900	1200	500	330
M82540	1900	1200	500	360
M90040	1900	1200	500	390

H type - Three-phase

Cat.Nos	Dimensions (mm)			Weight (kg)
	Height	Width	Depth	
MH1040	770	260	320	30
MH1540	770	260	320	30
MH2040	770	260	320	30
MH2540	770	260	320	30
MH3040	770	260	320	30
MH3540	770	260	320	30
MH4040	770	260	320	30
MH5040	770	260	320	30
MH52.540	770	260	320	30
MH6040	770	260	320	30
MH67.540	770	520	320	40
MH7540	770	520	320	45
MH87.540	770	520	320	45
MH10040	770	520	320	45
MH112.540	770	520	320	50
MH12540	770	520	320	50
MH15040	770	520	320	50
MH17540	1400	600	500	110
MH20040	1400	600	500	110
MH22540	1400	600	500	120
MH25040	1400	600	500	120
MH27540	1400	600	500	125
MH30040	1400	600	500	130
MH35040	1900	600	500	165
MH40040	1900	600	500	175
MH45040	1900	600	500	190
MH50040	1400	1200	500	230
MH55040	1400	1200	500	245
MH60040	1400	1200	500	250
MH67540	1900	1200	500	315
MH75040	1900	1200	500	330
MH82540	1900	1200	500	360
MH 90040	1900	1200	500	390

Dimensions

SAH type standard class - Three-phase

Cat.Nos	Dimensions (mm)			Weight (kg)
	Height	Width	Depth	
MS7540.189	1400	600	500	150
MS10040.189	1400	600	500	155
MS12540.189	1400	600	500	175
MS15040.189	1400	600	500	180
MS20040.189	1900	800	500	270
MS22540.189	1900	800	500	275
MS25040.189	1900	800	500	280
MS27540.189	1900	800	500	320
MS30040.189	1900	800	500	325
MS35040.189	2100	800	500	390
MS37540.189	2100	800	500	400
MS45040.189	1900	1600	500	550
MS52540.189	1900	1600	500	610
MS60040.189	1900	1600	500	670
MS67540.189	2100	1600	500	730
MS75040.189	2100	1600	500	790

SAH type reinforced class - Three-phase

Cat.Nos	Dimensions (mm)			Weight (kg)
	Height	Width	Depth	
MS.R12040.189	1400	600	500	200
MS.R16040.189	1900	800	500	275
MS.R20040.189	1900	800	500	335
MS.R24040.189	1900	800	500	350
MS.R28040.189	1900	800	500	410
MS.R32040.189	1900	800	500	440
MS.R36040.189	2100	800	500	505
MS.R40040.189	2100	800	500	535
MS.R44040.189	1900	1600	500	570
MS.R48040.189	1900	1600	500	600
MS.R52040.189	1900	1600	500	630
MS.R56040.189	1900	1600	500	660
MS.R60040.189	1900	1600	500	690
MS.R64040.189	1900	1600	500	720
MS.R72040.189	2100	1600	500	840
MS.R80040.189	2100	1600	500	900

Power factor controllers Alptec

Power factor controllers Alptec



ALPTEC6

The Alptec power factor controller controls the connection and disconnection of the steps in order to maintain the target power factor Digital operation ensures the accuracy and reliability of the measurements and values read, even on supplies subject to high levels of interference Conforming to standards IEC/EN 55022, IEC/EN 61000-4-2, IEC/EN 61000-4-3, IEC/EN 61000-4-4, IEC/EN 61000-4-5, IEC/EN 61000-4-6, IEC/EN 61000-4-11

Pack	Cat.Nos	**Power factor controllers**
		Power supply 230-415 V~ - 50/60 Hz
		Number of steps controlled
1	ALPTEC4	4
1	ALPTEC6	6
1	ALPTEC12B	12

Technical specifications

Versions
- Digital power factor controller
- Flush-mounting
- LED screen: 3 digits, 7 segments
- 4, 6 and 12 controlled steps
- IP 41 front cover / IP 20 terminal block connections
- Relative humidity without condensation: 95 %
- RJ 11 connector
- TTL standard serial interface
- Owner / ModBus RTU communication protocol

Measurements
- Cos Φ inductive and capacitive
- Phase to phase voltage and currents
- Reactive power needed
- Cos Φ desired
- Total harmonic distorsion
- Sensitivity
- Ambient temperature
- Measuring values: True real effective values (TRMS)

Temperature class
- Operation: - 10 to + 50 °C
- Storage: - 30 to + 70 °C

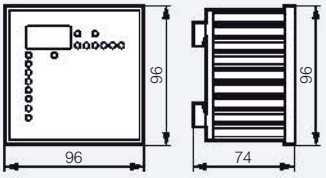
Electrical characteristics
- Supply voltage: 230 to 415 VAC
- Operating limits (Ue): - 15 to + 10 %
- Power consumption L/L - 400 VAC:
  5.8 VA (for Alptec4 and Alptec6)
  6.1 VA (for Alptec12B)
- Immunity time for microbreakings: <6 ms
- Rated current (CT): 5 A
- Rated reading limits (CT): 0.125 A to 5.5 A
- Voltage current limits (Lx/Lx):
  180 to 485 VAC (for Alptec4 and Alptec6)
  195 to 460 VAC (for Alptec12B)
- Electrical insulation: 4 kV
- FFT - Harmonic spectrum (THD %): 64 st

Frequency
50 Hz/60 Hz

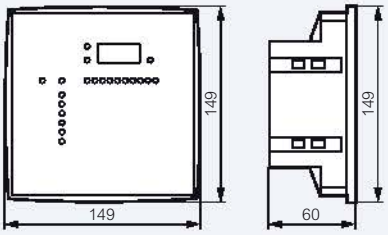
Parameters
Power factor: 0.85 inductive to 0.95 capacitive
Autorecognized capacitor bank
Anti-hunting function
Fixed step programmable
Function and alarm relay programmable
Fan relay programmable

Cat.Nos	Height x Width x Depth (mm)	Weight (g)
ALPTEC4	96 x 96 x 74	350
ALPTEC6	96 x 96 x 74	370
ALPTEC12B	149 x 149 x 60	700

ALPTEC4 / ALPTEC6



ALPTEC12B



Detuned reactors



SAH-3.45-20.2

The Alptec detuned reactors are designed to protect the capacitors against harmonics and avoid parallel resonance and amplification of harmonics flowing on the network
The connection of these reactors in series with capacitors causes a shift of the resonance frequency of the circuit composed by feeding transformer-reactors- capacitors so that the resulting self-resonance frequency is well below the line harmonics
The blocking factor p% is expressed by the ratio between inductive reactance and capacitive reactance it corresponds to the increase of voltage applied to capacitors, with respect to line voltage, due to circulation of capacitive current in the reactor
Conforming to standards IEC/EN 60289

Detuned reactors three-phase 50 Hz

Tuning frequency 189 Hz

P% = 7 / n = 3.78
Designed for harmonic level
25 % < SH/ST(1) < 50 %
To be associated with 440 V / 480 V capacitors

Pack	Cat.Nos	Q (kVar)	Associated capacitor
1	SAH-4.31-16.2	10	4 151 82/90
1	SAH-3.45-20.2	12.5	4 151 83/91
1	SAH-1.73-40.4	25	4 151 86/94
1	SAH-0.86-80.8	50	2 x 4 151 86/94
1	SAH-0.58-121.2	75	3 x 4 151 86/94
1	SAH-0.43-161.6	100	4 x 4 151 86/94

Tuning frequency 135 Hz

P% = 14 / n = 2.7
Designed for harmonic level
25 % < SH/ST(1) < 50 %
To be associated with 480 V capacitors

Pack	Cat.Nos	Q (kVar)	Associated capacitor
1	SAH-8.1-15.7	12.5	4 151 90
1	SAH-4.05-28.9	25	4 151 93
1	SAH-2.02-62.8	50	2 x 4 151 93
1	SAH-1.35-94.2	75	3 x 4 151 93
1	SAH-1-125.6	100	4 x 4 151 93

1: SH = Power (kW) of loads generating harmonics
ST = Power (kVA) of transformer

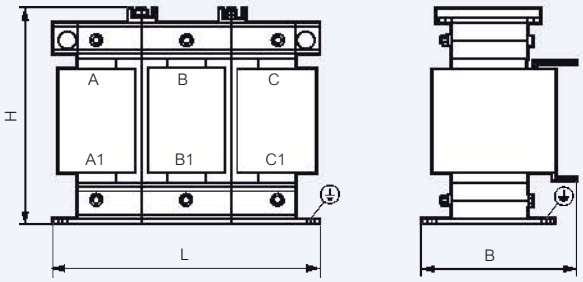
Technical specifications

- Rated line voltage: 400 V / 440 V
- Rated frequency: 50 Hz
- Tolerance on inductance: 0 / + 6 %
- Dielectric test 50 Hz, 3 kV, 60 s, protection class: IP 00
- Cooling method: natural air (AN)
- Ambient temperature: - 5 to + 40 °C
- Elevation above sea level: 1000 m a.s.l
- Conform to: IEC 60289 - EN 602 89
- Insulation class H
- Insulation level 1.1 kV
- Blocking factor p% = 7 - Tuning order = 3.78 / p% = 13.7 - Tuning order = 2.7
- Thermal protection switch (250 V, 2.5 A) wired on terminal block

Installation and requirements

- Operation and storage temperature: - 25 to + 70 °C
- Selection of the right type according to harmonic pollution
- In operation an adequate air circulation must be guaranteed
- Windings must be installed vertically for better heat dissipation
- The reactor must be protected against overloads and short-circuits by fuses and/or circuit breakers
- Suitable protection against undesired contacts (IP00) must be provided by means of enclosures or boxes protecting the power system where the reactor is installed
- It is imperative to that the thermal N.C dry contact be connected in series with the contactor coil, in order to disconnect the step in case of overheating

Dimensions



Aluminium bars

Cat.Nos	Q (kVar)	Ln (mH)	I RMS (A)	Ptot (W)	Dimensions (mm)			Weight (kg)
					L	W	H	
SAH-4.31-16.2	10	4.31	16.2	85	180	140	190	11
SAH-3.45-20.2	12.5	3.45	20.2	105	180	140	190	11
SAH-1.73-40.4	25	1.73	40.4	210	240	140	255	17
SAH-0.86-80.8	50	0.86	80.8	270	240	165	280	28
SAH-0.58-121.2	75	0.58	121.2	400	300	190	315	40
SAH-0.43-161.6	100	0.43	161.6	425	320	210	315	50
SAH-8.1-15.7	12.5	8.1	15.7	130	240	140	220	14.5
SAH-4.05-28.9	25	4.05	28.9	225	240	160	240	22
SAH-2.02-62.8	50	2.02	62.8	395	300	180	315	38
SAH-1.35-94.2	75	1.35	94.2	475	320	210	325	51
SAH-1-125.6	100	1	125.6	615	360	210	375	65

DRX
now up to 630 A

THREE SIZES OF MCCBs, 3-POLE AND 4-POLE

The new DRX 630 MCCBs enhance the DRX range to fit to installations up to 630 A.



DRX 125 from 15 to 125 A
mounting on rail ⊔
or on plate



DRX 250 from 125 to 250 A
mounting on rail ⊔
or on plate



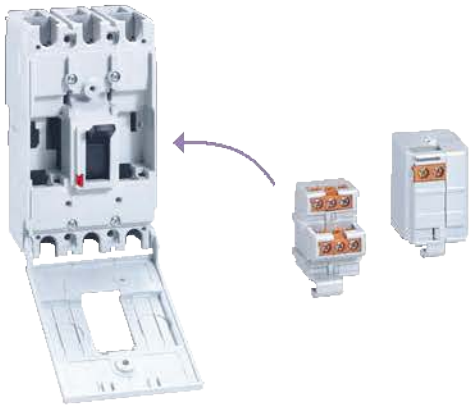
NEW DRX 630 from 320 to 630 A
mounting on plate

BREAKING CAPACITIES FROM 10 TO 50 kA

The wide range of breaking capacities allows the use of DRX of all levels of the installations.

	10 kA	18 kA	20 kA	25 kA	36 kA	50 kA
DRX 125	•		•		•	
DRX 250		•		•	•	
DRX 630					•	•

■ Easy mounting control and signalling auxiliaries common for DRX 125 and DRX 250 and specific for DRX 630.



■ A complete range of accessories : rotary handles, insulating shields, connection accessories, locking accessories...



DRX™ 125

thermal magnetic MCCBs from 15 to 125 A


0 270 10


0 270 46


0 270 58


0 270 68


0 271 83


0 271 70

Technical characteristics and curves **p. 107 to 109**

For switching, control, isolation and protection of low-voltage electrical lines
Can be fitted with auxiliaries (p. 110)
Supplied with:
- M5 terminal for In ≤ 50 A and M8 range for In > 50 A
- Fixing screws
- Insulating shields (2 for 3P and 3 for 4P)

Fixed thermal and magnetic
Conform to IEC 60947-2, in compliance with NEMA

DRX 125

Pack	Cat.Nos 3P	Cat.Nos 4P	In
			Breaking capacity Icu 10 kA (415 V~)
1	0 270 00	0 270 10	15 A
1	0 270 01	0 270 11	20 A
1	0 270 02	0 270 12	25 A
1	0 270 03	0 270 13	30 A
1	0 270 04	0 270 14	40 A
1	0 270 05	0 270 15	50 A
1	0 270 06	0 270 16	60 A
1	0 270 39	0 270 29	63 A
1	0 270 07	0 270 17	75 A
1	0 270 08	0 270 18	100 A
1	0 270 09	0 270 19	125 A
			Breaking capacity Icu 20 kA (415 V~)
1	0 270 20	0 270 30	15 A
1	0 270 21	0 270 31	20 A
1	0 270 22	0 270 32	25 A
1	0 270 23	0 270 33	30 A
1	0 270 24	0 270 34	40 A
1	0 270 25	0 270 35	50 A
1	0 270 26	0 270 36	60 A
1	0 272 20	0 272 22	63 A
1	0 270 27	0 270 37	75 A
1	0 270 28	0 270 38	100 A
1	0 272 21	0 272 23	125 A
			Breaking capacity Icu 36 kA (415 V~)
	1P	2P	In
1	0 270 40[1]	0 270 50	15 A
1	0 270 41[1]	0 270 51	20 A
1	0 270 42[1]	0 270 52	25 A
1	0 270 43[1]	0 270 53	30 A
1	0 270 44[1]	0 270 54	40 A
1	0 270 45[1]	0 270 55	50 A
1	0 270 46[1]	0 270 56	60 A
1	0 270 47[1]	0 270 57	75 A
1	0 270 48[1]	0 270 58	100 A
	3P	4P	In
1	0 270 60	0 270 70	15 A
1	0 270 61	0 270 71	20 A
1	0 270 62	0 270 72	25 A
1	0 270 63	0 270 73	30 A
1	0 270 64	0 270 74	40 A
1	0 270 65	0 270 75	50 A
1	0 270 66	0 270 76	60 A
1	0 272 24	0 272 26	63 A
1	0 270 67	0 270 77	75 A
1	0 270 68	0 270 78	100 A
1	0 272 25	0 272 27	125 A

Mounting on rail

Pack	Cat.Nos	
		Plates for fixing DRX 125 on DIN rail
20	0 271 89	For 1P
12	0 271 90	For 2P
6	0 271 87	For 3P and 4P

Rotary handles

Direct on DRX

1	0 271 76	Standard (grey)

Vari-depth handle

1	0 271 77	Comprising: connecting rod, bracket, drilling template, mounting accessories, door locking mechanism Standard (grey)

Connection accessories

Insulating shields

Used to isolate the connection between each pole

	3P	4P	
1	0 271 81		Set of 2
1		0 271 82	Set of 3

Sealable terminal shields

	2P		
1	0 271 91		Set of 2
	3P	4P	
	0 271 83	0 271 84	Set of 2

Cage terminals

	3P	4P	
1	0 271 70	0 271 72	Up to 50 A (inclusive)
1	0 271 71	0 271 73	From 60 to 100 A
1	0 272 52	0 272 53	For 125 A
1	0 271 92		Set of 60 pieces up to 50 A (inclusive)
1	0 271 93		Set of 60 pieces from 60 to 100 A
1	0 272 54		Set of 60 pieces 125 A

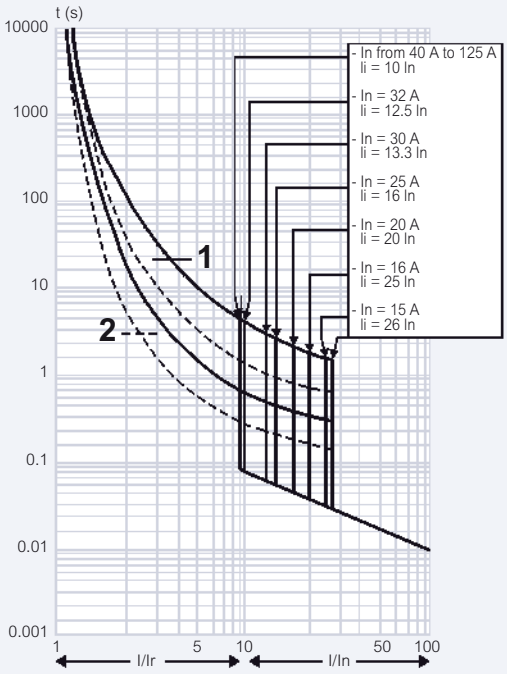
Padlock for DRX 125 and 250

1	0 271 80	For locking on "OFF" position (up to 3 locks)

1: Icu 25 kA (240 V~) for 1P

Curves

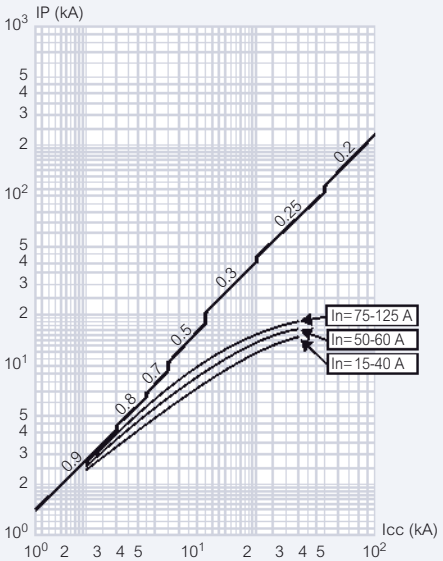
DRX 125 Imax = 125 A from 10 kA to 36 kA 3P - 4P at 415 V~



t = time
I = rated current
Ir = setting current
1 = characteristic with cold start
2 = characteristic with hot start

Current limitation

DRX 125 Imax = 125 A from 10 kA to 36 kA 3P - 4P at 415 V~



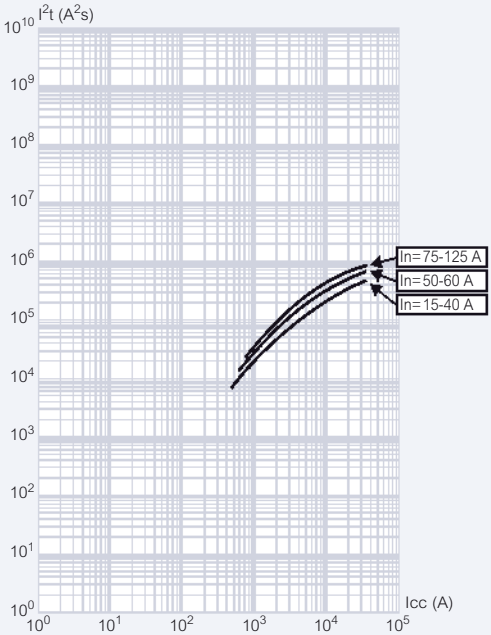
Icc = estimated short circuit symmetrical current (RMS value)
Ip = maximum short circuit peak current

maximum prospective short circuit peak current corresponding at the power factor

maximum real peak short circuit current

Pass-through specific energy characterictics

DRX 125 Imax = 125 A from 10 kA to 36 kA 3P - 4P at 415 V~



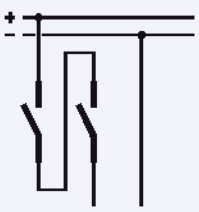
Icc = estimated short circuit symmetrical current (RMS value)
I^2t (A^2s) = pass-throught specific energy

Technical characteristics

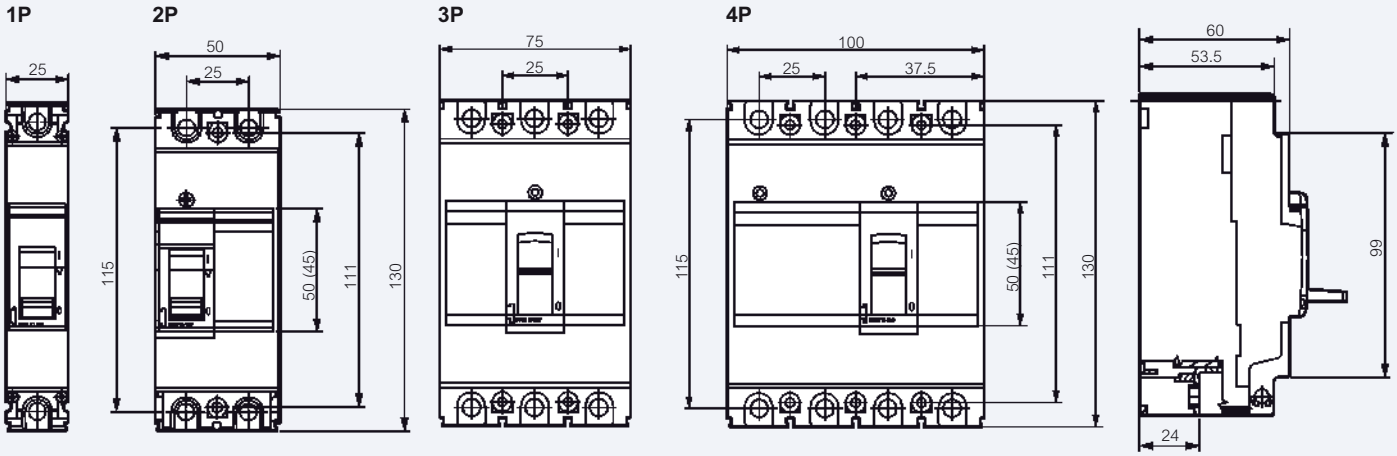
		DRX 10 kA	DRX 20 kA	DRX 36 kA(1)	DRX 36 kA	DRX 36 kA
Number of poles		3P - 4P	3P - 4P	1P	2P	3P - 4P
Nominal current In (A)		15-125	15-125	15-100	15-100	15-125
Neutral protection for 4P version (%)		100	100	100	100	100
Rated insulation voltage Ui (V)		690	690	690	690	690
Rated impulse withstand current Uimp (kV)		6	6	6	6	6
Rated operating voltage (50/60 Hz) Ue (V)		550	550	550	550	550
Ultimate breaking capacity Icu (kA) IEC 60947-2	110/130 V~	50	75	50	75	100
	220/240 V~	25	40	25	60	100
	277 V~	-	-	15	50	-
	380/415 V~	10	20	10	36	36
	440/460 V~	10	15	-	30	30
	480/550 V~	7,5	10	-	20	20
	600 V~	5	5	-	10	10
	125 V⎓	10(2)	10(2)	10	20(2)	20(2)
	250 V⎓	5(2)	5(2)	5	10(2)	10(2)
Ultimate breaking capacity Icu (kA) NEMA AB-1	240 V~	25	40	25	100	100
	480 V~	7.5	10	-	20	20
	600 V~	5	5	-	10	10
Standard breaking capacity Ics (% Icu)		50	50	50	50	50
Category of use		A	A	A	A	A
Suitable for isolation		YES	YES	YES	YES	YES
Endurance (cycles)	mechanical	25000	25000	25000	25000	25000
	electrical at In	8000	8000	8000	8000	8000
	electrical at 0.5 In	10000	10000	10000	10000	10000

1: 1P - Icu 25 kA (220/240 V~)
2: 2 poles in series

2 poles in series

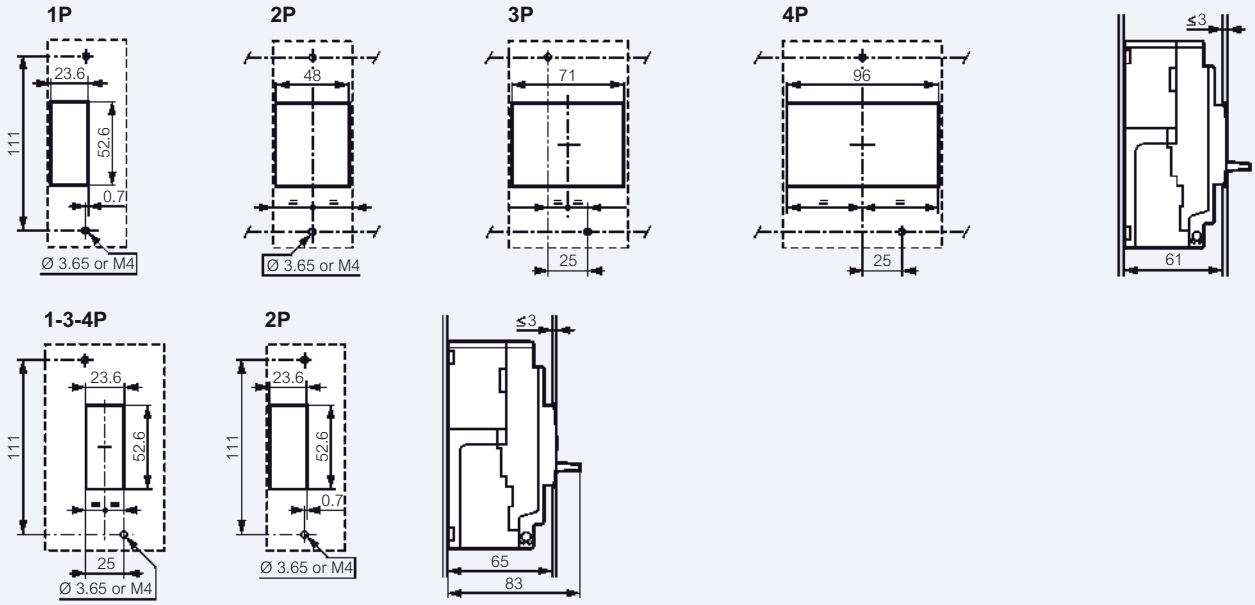


Dimensions



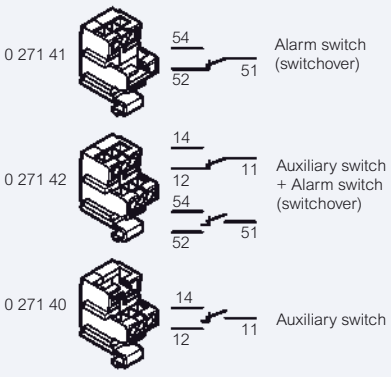
Mounting principle

Door cut-out

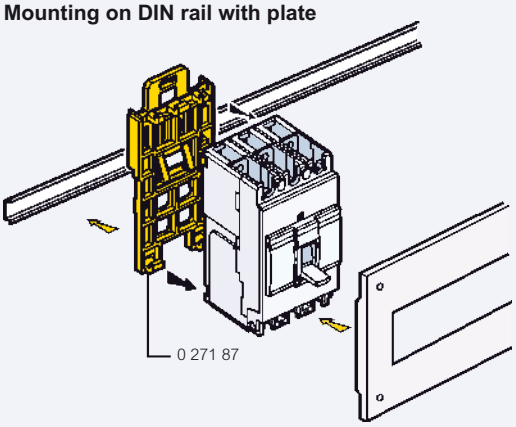


Auxiliary contacts

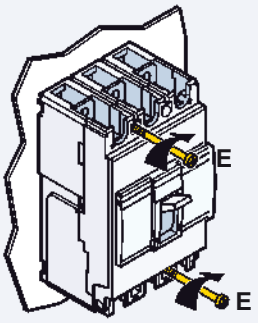
	Voltage (V)	Resistive load (A)
Vac	125	5
	250	5
Vdc	30	5
	50	1
	75	0.75
	125	0.5
	250	0.25
Mechanical endurance (No. of operations)		5 x 10^6
Temperature (°C)		- 40 to 85 °C

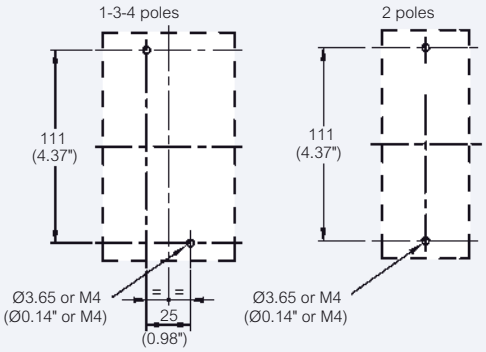


Mounting on DIN rail with plate



Fixing on plate

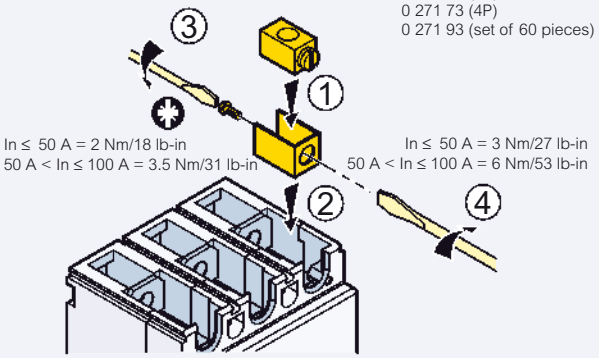




Connection

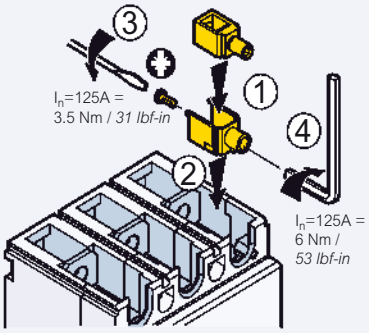
Connection via cable In ≤ 100 A

In ≤ 50 A = 0 271 70 (3P)
0 271 72 (4P)
0 271 92 (set of 60 pieces)
50 A < In ≤ 100 A = 0 271 71 (3P)
0 271 73 (4P)
0 271 93 (set of 60 pieces)

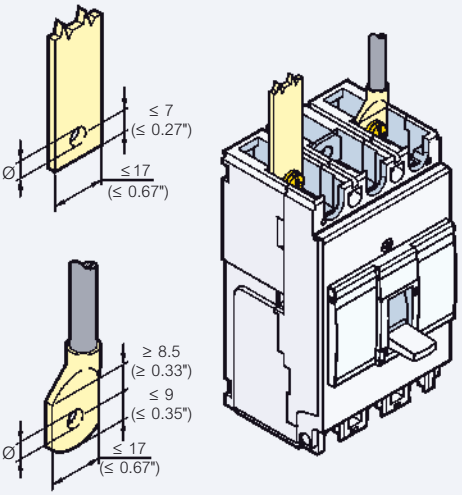


DRX ≤ 50 A	50 A < In ≤ 100 A	In = 125 A
Flexible 2.5 ➡ 10 mm² #14 ➡ #8 AWG or Solid 2.5 ➡ 16 mm² #14 ➡ #6 AWG 12 0.47"	Flexible 10 ➡ 35 mm² #8 ➡ #3/2 AWG Solid 10 ➡ 50 mm² #8 ➡ #1/0 AWG 14 0.55"	Flexible 35 ➡ 50 mm² #3/2 ➡ #1/0AWG Solid 35 ➡ 50 mm² #3/2 ➡ #1/0AWG 14 0.55"
2,5 to 4 mm² (#14 to #10 AWG) flexible cables connection via crimped end-barrels		

Connection via cable In = 125 A



Connection via busbar



In ≤ 50 A	50 A < In ≤ 125 A
Ø 5.5 mm / 0.21"	Ø 8.5 mm / 0.32"

In ≤ 50 A	50 A < In ≤ 125 A	In = 125 A
		

DRX™ 250

thermal magnetic MCCBs from 125 to 250 A


0 271 06


0 271 04


0 271 12 (captive cover)


0 271 88


0 271 74


0 271 80

Technical characteristics and curves **p. 111 to 113**

For switching, control, isolation and protection of low-voltage electrical lines
Can be fitted with auxiliaries
Supplied with:
- M8 terminals
- Fixing screws
- Insulating shields (2 for 3P and 3 for 4P)

Fixed thermal and magnetic
Conform to IEC 60947-2

DRX 250

Pack	Cat.Nos 3P	Cat.Nos 4P	
			Breaking capacity Icu 18 kA (415 V~)
			In
1	0 271 00	0 271 06	125 A
1	0 271 01	0 271 07	150 A
1	0 272 28	0 272 29	160 A
1	0 271 02	0 271 08	175 A
1	0 271 03	0 271 09	200 A
1	0 271 04	0 271 10	225 A
1	0 271 05	0 271 11	250 A
			Breaking capacity Icu 25 kA (415 V~)
			In
1	0 271 12	0 271 18	125 A
1	0 271 13	0 271 19	150 A
1	0 272 30	0 272 31	160 A
1	0 271 14	0 271 20	175 A
1	0 271 15	0 271 21	200 A
1	0 271 16	0 271 22	225 A
1	0 271 17	0 271 23	250 A
			Breaking capacity Icu 36 kA (415 V~)
			In
1	0 271 24	0 271 30	125 A
1	0 271 25	0 271 31	150 A
1	0 272 32	0 272 33	160 A
1	0 271 26	0 271 32	175 A
1	0 271 27	0 271 33	200 A
1	0 271 28	0 271 34	225 A
1	0 271 29	0 271 35	250 A

Mounting on rail

Pack	Cat.Nos	
1	0 271 88	Plate for fixing DRX 250 on DIN rail

Rotary handles

Pack	Cat.Nos	
		Direct on DRX
1	0 271 78	Standard (grey)
		Vari-depth handle
		Comprising: connecting rod, bracket, drilling template, mounting accessories, door locking mechanism
1	0 271 79	Standard (grey)

Connection accessories

Insulating shields

Used to isolate the connection between each pole

Pack	Cat.Nos 3P	Cat.Nos 4P	
1	0 271 81		Set of 2
1		0 271 82	Set of 3

Sealable terminal shields

Pack	Cat.Nos		
1	0 271 85	0 271 86	Set of 2

Cage terminals

Pack	Cat.Nos		
1	0 271 74	0 271 75	Up to 250 A
1	0 271 94		Set of 60 pieces

Padlock for DRX 125 and 250

Pack	Cat.Nos	
1	0 271 80	For locking on "OFF" position (up to 3 locks)

Control and signalling auxiliaries for DRX 125 and 250

Auxiliary contact blocks

For left-hand side mounting
Up to 250 V~ and ⎓

Pack	Cat.Nos	
1	0 271 40	Block with 1 auxiliary
1	0 271 41	Block with 1 alarm
1	0 271 42	Block with 1 auxiliary + 1 alarm

Shunt trips

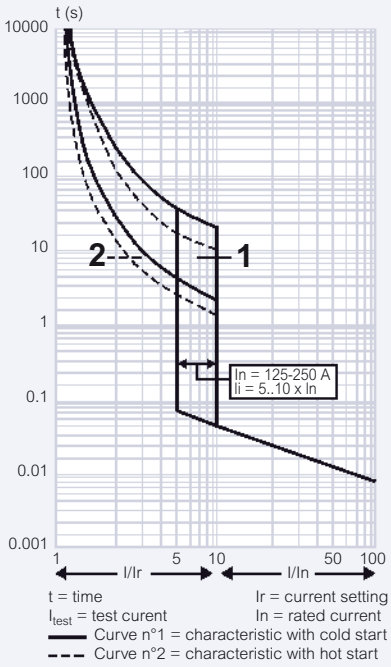
Pack	Cat.Nos	
1	0 271 50	12 V~ and ⎓
1	0 271 51	24 V~ and ⎓
1	0 271 52	48 V~ and ⎓
1	0 271 53	100/130 V~
1	0 271 54	200/277 V~
1	0 271 55	380/480 V~

Undervoltage releases

Pack	Cat.Nos	
1	0 271 60	12 V~ and ⎓
1	0 271 61	24 V~ and ⎓
1	0 271 62	48 V~ and ⎓
1	0 271 68	110 V⎓
1	0 271 63	110/130 V~
1	0 271 64	200/240 V~
1	0 271 67	277 V~
1	0 271 65	380/415 V~
1	0 271 66	440/480 V~

Curves

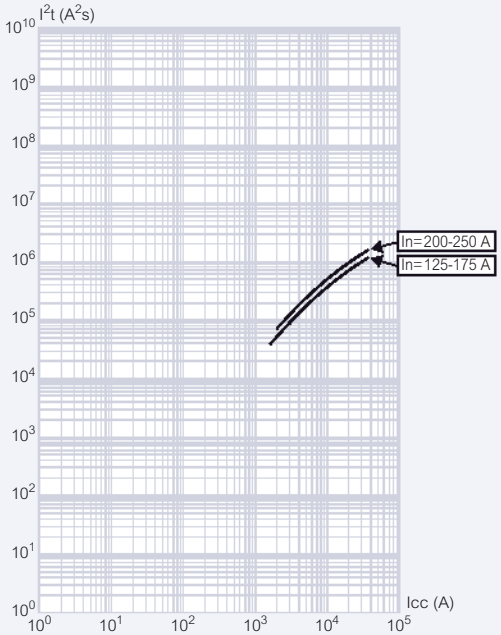
DRX 250 Imax = 250 A from 18 kA to 36 kA 3P - 4P at 415 V~



t = time
I_{test} = test curent
Ir = current setting
In = rated current
Curve n°1 = characteristic with cold start
Curve n°2 = characteristic with hot start

Pass-through specific energy characterictics

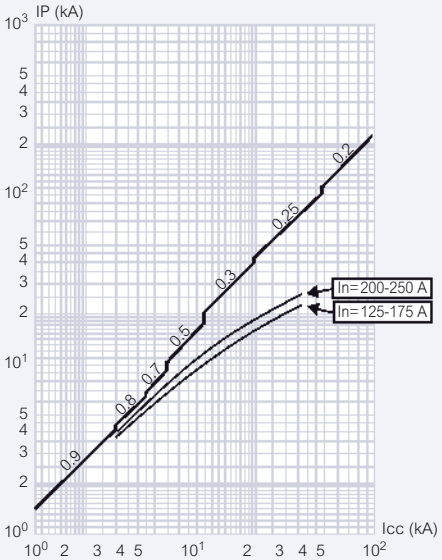
DRX 250 Imax = 250 A from 18 kA to 36 kA 3P - 4P at 415 V~



Icc = estimated short circuit symmetrical current (RMS value)
I^2t (A^2s) = pass-throught specific energy

Current limitation

DRX 250 Imax = 250 A from 18 kA to 36 kA 3P - 4P at 415 V~



Icc = estimated short circuit symmetrical current (RMS value)
Ip = maximum short circuit peak current

maximum prospective short circuit peak current corresponding at the power factor

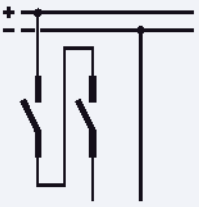
maximum real peak short circuit current

Technical characteristics

		DRX - 18 kA	DRX - 25 kA	DRX - 36 kA
Number of poles		3P - 4P	3P - 4P	3P - 4P
Nominal current In (A)		125-250	125-250	125-250
Neutral protection for 4P version (%)		100	100	100
Rated insulation voltage Ui (V)		690	690	690
Rated impulse withstand current Uimp (kV)		6	6	6
Rated operating voltage (50/60 Hz) Ue (V)		600	600	600
Ultimate breaking capacity Icu (kA) IEC 60947-2	**110/130 V~**	35	60	85
	220/240 V~	35	50	65
	380/415 V~	18	25	36
	440/460 V~	15	25	30
	480/550 V~	10	15	20
	600 V~	7,5	10	12
	125 V⎓	10(1)	20(1)	30(1)
	250 V⎓	5(1)	10(1)	15(1)
Ultimate breaking capacity Icu (kA) NEMA AB-1	**240 V~**	35	50	65
	480 V~	10	15	20
	600 V~	7.5	10	15
Standard breaking capacity Ics (% Icu)		50	50	50
Category of use		A	A	A
Suitable for isolation		YES	YES	YES
Endurance (cycles)	**mechanical**	25000	25000	25000
	electrical at In	8000	8000	8000
	electrical at 0.5 In	10000	10000	10000

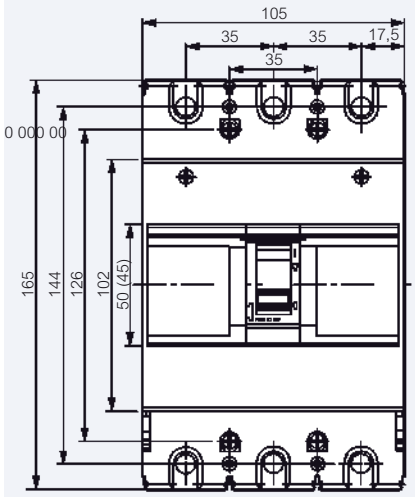
1: 2 poles in series

2 poles in series

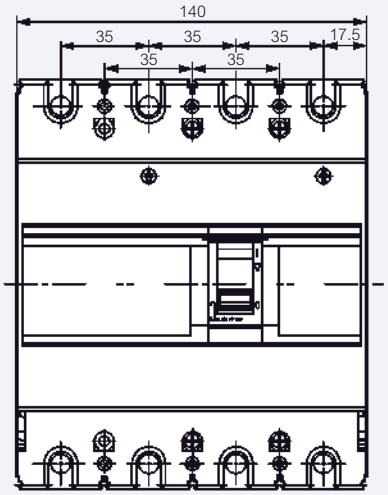


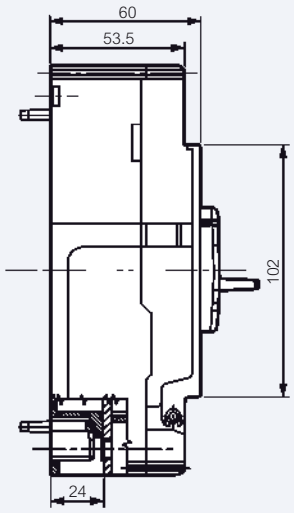
Dimensions

3P



4P

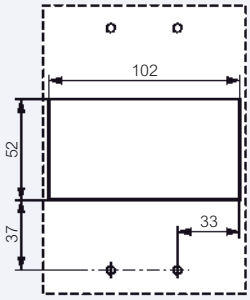




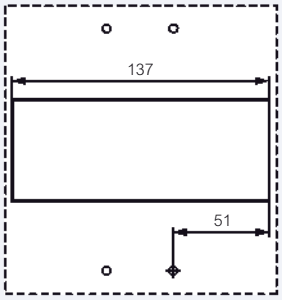
Mounting principle

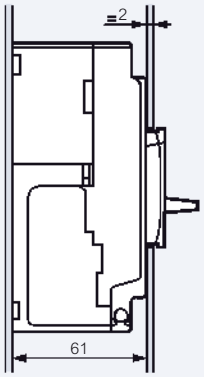
Door cut-out

3P

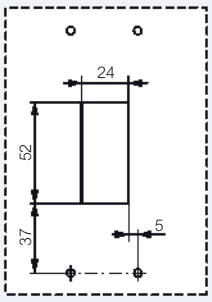


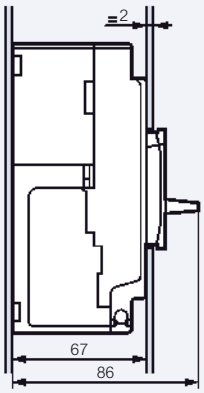
4P



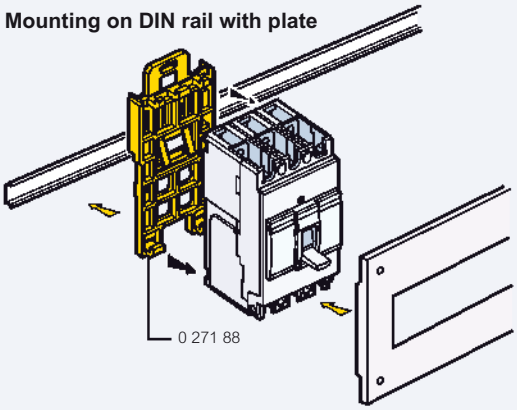


3-4P

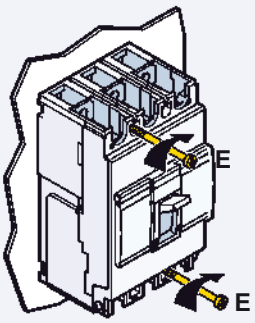


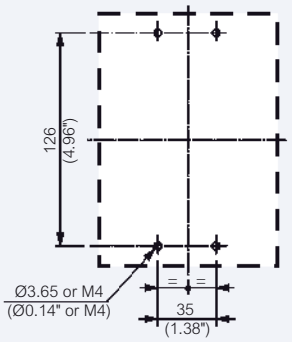


Mounting on DIN rail with plate



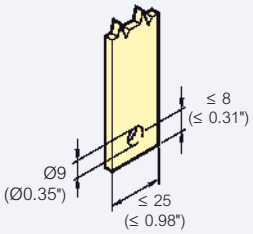
Fixing on plate

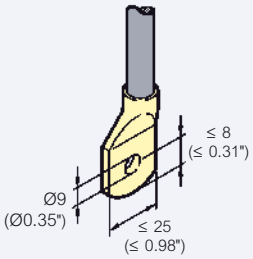


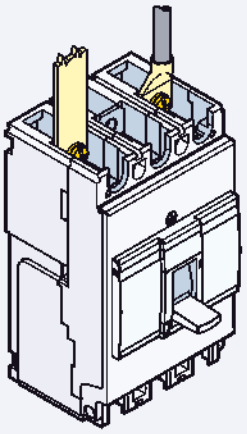


Connection

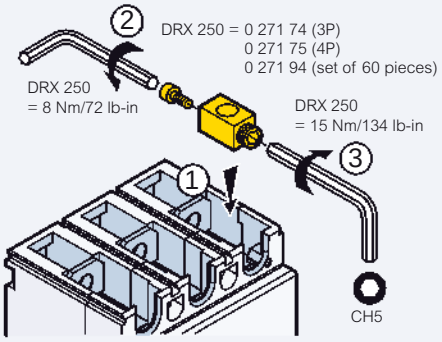
Connection via busbar







Connection via cable



DRX 250 - 125 to 250 A

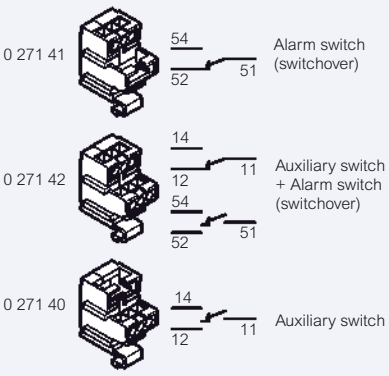
Flexible
35 mm² ➡ 120 mm²
#2 ➡ #250 MCM

or

Solid
35 mm² ➡ 150 mm²
#2 ➡ #300 MCM

Auxiliary contacts

	Voltage (V)	Resistive load (A)
Vac	125	5
	250	5
Vdc	30	5
	50	1
	75	0.75
	125	0.5
	250	0.25
Mechanical endurance (No. of operations)		5 x 10^6
Temperature (°C)		- 40 to 85 °C



DRX™ 630

thermal magnetic MCCBs from 320 to 630 A


0 272 45


0 272 49


0 262 50


0 262 51


0 262 48


0 263 52

Technical characteristics and curves **p. 115 to 117**

For switching, control, isolation and protection of low-voltage electrical lines
Can be fitted with auxiliaries
Supplied with:
- M8 terminals
- Fixing screws
- Insulating shields (2 for 3P and 3 for 4P)

Fixed thermal and magnetic
Conform to IEC 60947-2

DRX 630

Pack	Cat.Nos 3P	Cat.Nos 4P	
			Breaking capacity Icu 36 kA (415 V~)
			In
1	0 272 34	0 272 38	320 A
1	0 272 35	0 272 39	400 A
1	0 272 36	0 272 40	500 A
1	0 272 37	0 272 41	630 A
			Breaking capacity Icu 50 kA (415 V~)
			In
1	0 272 42	0 272 46	320 A
1	0 272 43	0 272 47	400 A
1	0 272 44	0 272 48	500 A
1	0 272 45	0 272 49	630 A

Rotary handles



Direct on DRX

Pack	Cat.Nos	
1	0 272 50	Standard (grey)

Vari-depth handle
Comprising: connecting rod, bracket, drilling template, mounting accessories, door locking mechanism

Pack	Cat.Nos	
1	0 272 51	Standard (grey)

Connection accessories

Insulating shields



Used to isolate the connection between each pole

Pack	Cat.Nos	
1	0 262 30	Set of 2 pieces

Sealable terminal shields



Pack	Cat.Nos 3P	Cat.Nos 4P	
1	0 262 44	0 262 45	Set of 2

IP 20 terminal cover

Pack	Cat.Nos 3P	Cat.Nos 4P	
1	4 222 34	4 222 35	Set of two terminal covers

Cage terminals



Pack	Cat.Nos	
1	0 262 50	Set of 4 cage terminals for cables
1	0 262 51	Set of 4 high capacity cage terminals for cables

Extended front terminals



Pack	Cat.Nos	
1	0 262 47	Set of 4 extended front terminals

Connection accessories (continued)

Spreaders



Pack	Cat.Nos 3P	Cat.Nos 4P	
1	0 262 48	0 262 49	Set of incoming or outgoing spreaders

Swivel terminals



Pack	Cat.Nos		
1	0 263 50	0 263 51	Set of incoming or outgoing swivel terminals

Flat terminals



Pack	Cat.Nos		
1	0 263 52	0 263 53	Set of incoming or outgoing flat terminals

Padlock for DRX 630



Pack	Cat.Nos	
1	0 262 40	For locking on "OFF" position (up to 3 locks)

Control and signalling auxiliaries for DRX 630

For DPX³, DPX³-I and DRX

Auxiliary contact or fault signal

Pack	Cat.Nos	
1	4 210 11	For signalling the state of the contacts or opening of the MCCB on a fault Changeover switch 3 A - 240 V~

Shunt releases
Shunt inrush power 300 V~

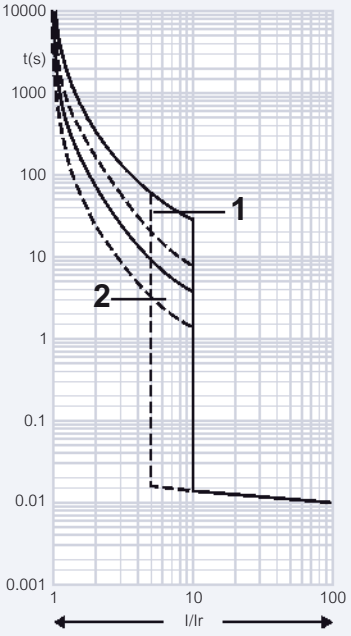
Pack	Cat.Nos	Coil voltage
1	4 222 39	24 V~ and ⎓
1	4 222 40	48 V~ and ⎓
1	4 222 41	110 V~ and ⎓
1	4 222 42	230 V~ and ⎓
1	4 222 43	400 V~ and ⎓

Undervoltage releases
Undervoltage power consumption 5 V~

Pack	Cat.Nos	Coil voltage
1	4 222 44	24 V⎓
1	4 222 45	24 V~
1	4 222 46	48 V~ and ⎓
1	4 222 47	110 V~ and ⎓
1	4 222 48	230 V~ and ⎓
1	4 222 49	400 V~ and ⎓

Curves

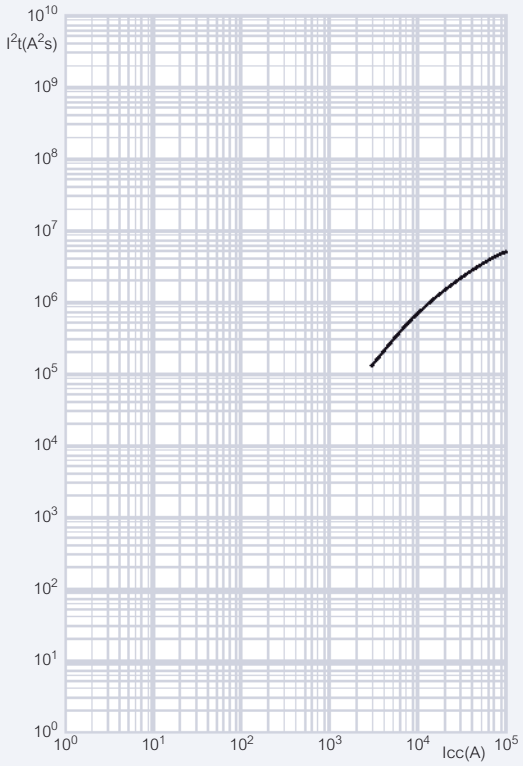
DRX 630 Imax = 630 A from 36kA to 50 kA 3P - 4P



t = time
I = rated current
Ir = setting current
curve number 1 = characteristic with cold start
curve number 2 = characteristic with hot start

Pass-through specific energy characterictics

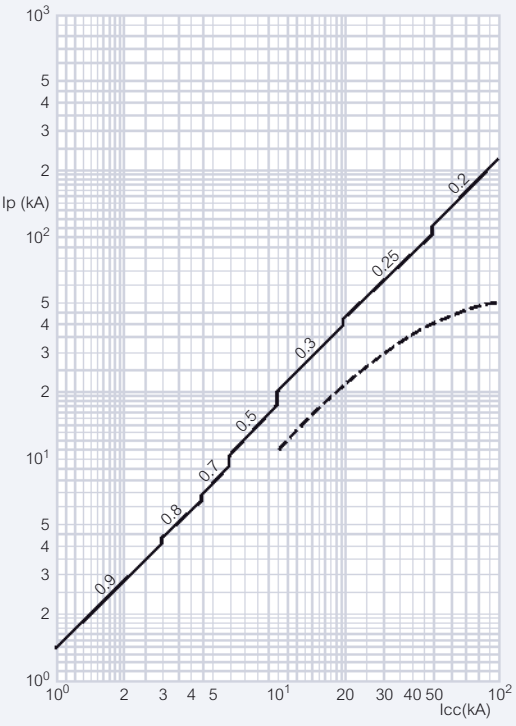
DRX 630 Imax = 630 A from 36kA to 50 kA 3P - 4P at 415 V~



Icc = estimated short circuit symmetrical current (RMS value)
$I^2t(A^2s)$ = pass-through specific energy

Current limitation

DRX 630 Imax = 630 A from 36kA to 50 kA 3P - 4P



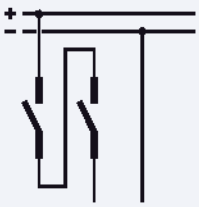
Icc = estimated short circuit symmetrical current (RMS value)
Ip = maximum short circuit peak current
maximum prospective short circuit peak current corresponding at the power factor
maximum real peak short circuit current

Technical characteristics

		DRX - 36 kA	DRX - 50 kA
Number of poles		3P - 4P	3P - 4P
Nominal current In (A)		320-630	320-630
Neutral protection for 4P version (%)		100	100
Rated insulation voltage Ui (V)		690	690
Rated impulse withstand current Uimp (kV)		6	6
Rated operating voltage (50/60 Hz) Ue (V)		600	600
Ultimate breaking capacity Icu (kA) IEC 60947-2	220/240 V~	65	100
	380/415 V~	36	50
	440/460 V~	30	40
	480/550 V~	25	30
	125 V⎓	40	42
	250 V⎓	36	38
Ultimate breaking capacity Icu (kA) NEMA AB-1	240 V~	60	80
	480 V~	25	30
	550 V~	25	30
Standard breaking capacity Ics (% Icu)		50	50
Category of use		A	A
Suitable for isolation		YES	YES
Endurance (cycles)	mechanical	25000	25000
	electrical at In	8000	8000
	electrical at 0.5 In	10000	10000

1: 2 poles in series

2 poles in series

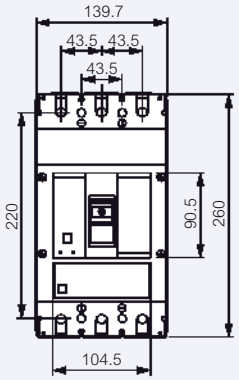


DRX™ 630

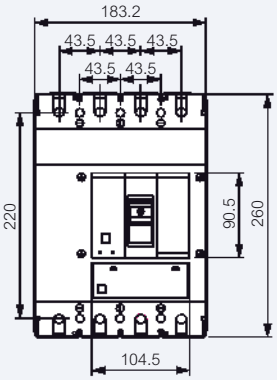
dimensions, mounting principle and connection

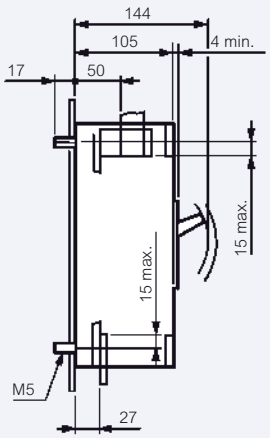
Dimensions

3P

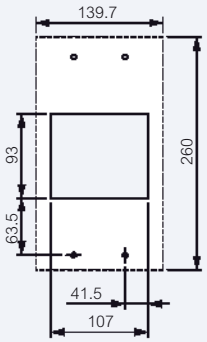


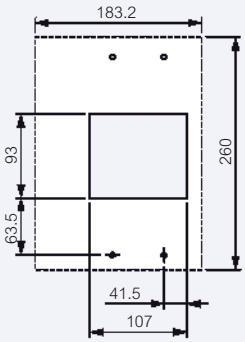
4P

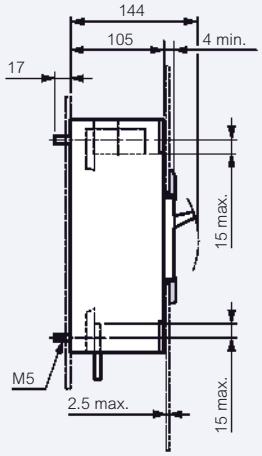




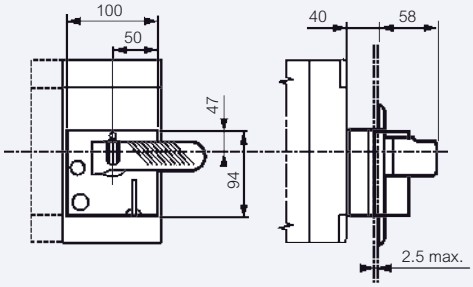
Door cut



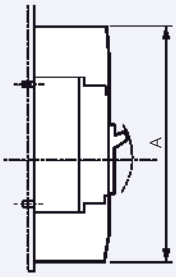




Rotary handle-direct on DPX

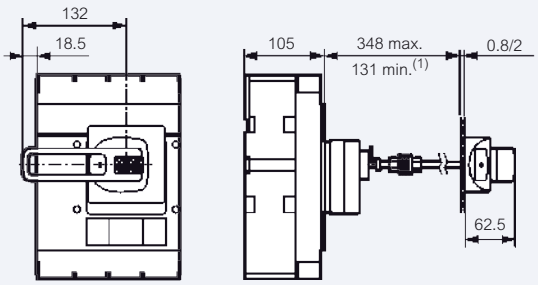


Terminal shields



Rotary handle-vari-depth handle on door

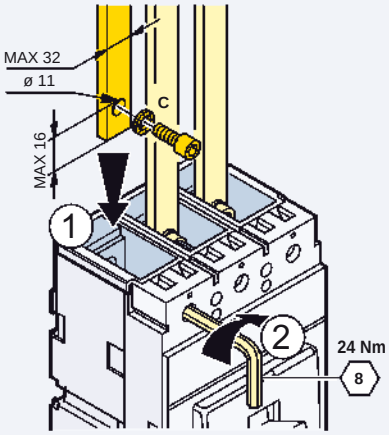
Mounting with flexible seal



1: 75 mm without mechanical system

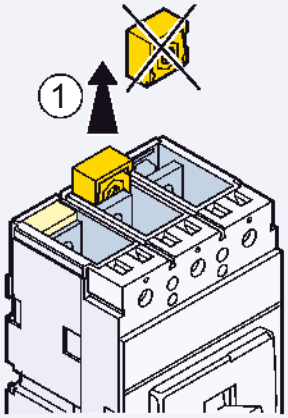
Connection

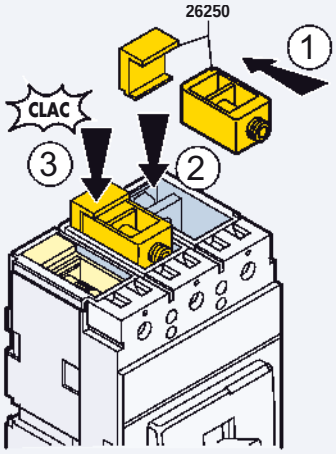
Connection via busbar

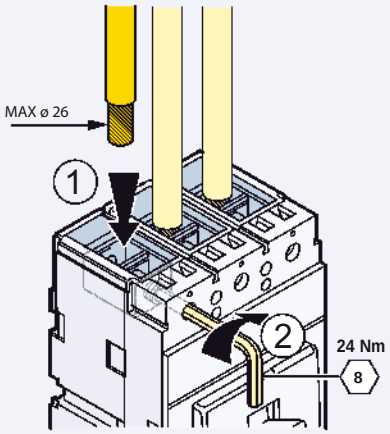


Connection via cable

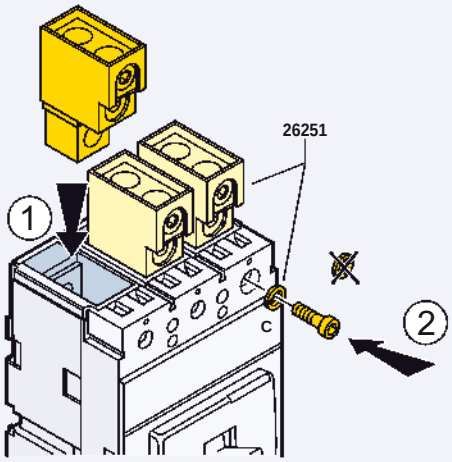
With cage terminals Cat.No 0 262 50

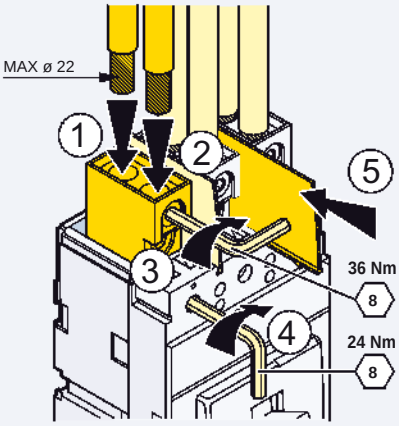






With high capacity cage terminals Cat.No 0 262 51



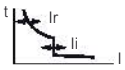
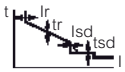
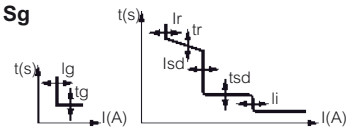


DPX³

electrical characteristics





DEVICES	DPX³ 160 thermal magnetic				DPX³ 250 thermal magnetic				DPX³ 250 electronic release			
Mounting	On rail ⎍ or on plate				On rail ⎍ or on plate				On rail ⎍ or on plate			
Breaking capacity (kA) (EN 60947-2 and IEC 60947-2)	**16 kA**	**25 kA**	**36 kA**	**50 kA**	**25 kA**	**36 kA**	**50 kA**	**70 kA**	**25 kA**	**36 kA**	**50 kA**	**70 kA**
380/415 V∿	16	25	36	50	25	36	50	70	25	36	50	70
220/240 V∿	25	35	50	65	40	60	100	100	40	60	100	100
Breaking capacity (% Icu)	100	100	100	100	100	100	100	100	100	100	100	100
Characteristic of use												
Nominal frequency	50/60 Hz											
Maximum rated operating voltage Ue	690 V (500 V with integrated e.l.c.bs)				690 V (500 V with integrated e.l.c.bs)				690 V (500 V with integrated e.l.c.bs)			
Category of use	A				A				A			
Thermal magnetic adjustment												
 **Thermal**	0,8 to 1 In				0,8 to 1 In				-			
Magnetic	10 In (400 A for 16 A and 25 A sizes)				5 to 10 In				-			
Electronic protection adjustment												
S2 	-				-				Ir : 0,4 to 1 In Isd : 1,5 to 10 Ir			
Sg 												
Maximum cable cross-section												
Rigid cable	120 mm²				185 mm²				185 mm²			
Flexible cable	95 mm²				150 mm²				150 mm²			
Copper bar and lug width	18 mm				25 mm(1)				25 mm(1)			
Tightening torque	8 Nm				10 Nm				10 Nm			
Nominal current (In) at 40 °C (A)												
In (A)	16	25	40	63	80	100	125	160	100	160	200	250	40	100	160	250
Phase	16	25	40	63	80	100	125	160	100	160	200	250	40	100	160	250
N	16	25	40	63	80	100	125	160	100	160	200	250	40	100	160	250
N/2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnetic threshold (Im) (A)(2) of DPX³ thermal magnetic	Fixed								Adjustable				Adjustable			
In (A)	16	25	40	63	80	100	125	160	100	160	200	250	-			
Phase	400	400	400	630	800	1000	1250	1600	125-250	200-400	315-630	500-1000	-			
N	400	400	400	630	800	1000	1250	1600	125-250	200-400	315-630	500-1000	-			
N/2	-	-	-	-	-	-	-	-	-	-	-	-	-			
Endurance (cycles)												
Electrical	8000				8000				8000			
Mechanical	25000				20000				20000			
Electronic earth leakage module												
Type	without or integrated				without or integrated				without or integrated			

1: Copper bars only
2: Trip current for 50/60 Hz. For direct current, multiply by 1.5

	DPX³ 630 thermal magnetic				DPX³ 630 electronic release				DPX³ 1600 thermal magnetic				DPX³ 1600 electronic release			
																
	On plate				On plate				On plate				On plate			
	36 kA	50 kA	70 kA	100 kA	36 kA	50 kA	70 kA	100 kA	36 kA	50 kA	70 kA	100 kA	36 kA	50 kA	70 kA	100 kA
	36	50	70	100	36	50	70	100	36	50	70	100	36	50	70	100
	70	100	120	170	70	100	120	170	70	100	120	170	70	100	120	170
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	50/60 Hz															
	690 V~				690 V~				690 V~				690 V~			
	A				A: In 630 A - B: In 200 to 400 A				A				B			
	0.8 to 1 In				-				0.8 to 1 In				-			
	5 to 10 In				-				5 to 10 In				-			
	-					S2	Sg		-					S2	Sg	
					Ir = 0.4 - 1 x In	•	•						Ir = 0.4 - 1 x In	•	•	
					tr = 3-30 s	•	•						tr = 3-30 s	•	•	
					Isd = 1.5 - 10 Ir	•	•						Isd = 1.5 - 10 Ir	•	•	
					tsd (I=K) = 0-500 ms	•	•						tsd (I=K) = 0-500 ms	•	•	
					tsd(I²t=K) = 0-500 ms	•	•						tsd(I²t=K) = 0-500 ms	•	•	
					Ig = 0.2 - 1 x In		•						Ig = 0.2 - 1 x In		•	
					tg = 0.1 - 1 s		•						tg = 0.1 - 1 s		•	
	300 mm² or 2 x 240 mm²				300 mm² or 2 x 240 mm²				2 or 4 x 240 mm²				2 or 4 x 240 mm²			
	240 mm² or 2 x 185 mm²				240 mm² or 2 x 185 mm²				2 or 4 x 185 mm²				2 or 4 x 185 mm²			
	32 mm				32 mm				50 mm				50 mm			
	15 Nm								20 Nm							
	250	320	400	500	630	250	320	400	500	630	500	630	800	1000	1250	500	630	800	1000	1250	1600
	250	320	400	500	630	250	320	400	500	630	500	630	800	1000	1250	500	630	800	1000	1250	1600
	250	320	400	500	630	0 - 50 - 100 % of phase value					500	630	800	1000	1250	0 - 50 - 100 % of phase value					
	-	250	250	250	320	-					-	-	-	500	630	-					
	Adjustable																				
	250	320	400	500	630	-					500	630	800	1000	1250	-					
	1250-2500	1600-3200	2000-4000	2500-5000	3150-6300	-					2500-5000	3150-6300	4000-8000	5000-10000	6250-12500	-					
	1250-2500	1600-3200	2000-4000	2500-5000	3150-6300	-					2500-5000	3150-6300	4000-8000	5000-10000	6250-12500	-					
	-	1000-2000	1250-2500	1600-2500	2000-4000	-					-	-	-	?	?	-					
	5000				5000				4000				4000			
	10000				20000				10000				10000			
	downstream e.l.c.bs.				downstream e.l.c.bs.				-				-			

DPX³ 160 thermal magnetic

MCCBs from 16 to 160 A


4 200 00


4 200 10


4 200 37


4 201 57

Electrical characteristics **see e-catalogue**
Dimensions **see e-catalogue**

Can be mounted on rail ⊔ or on plate in XL³ cabinets and enclosures
MCCBs for switching, control isolation and protection of low voltage electrical lines
Supplied with cage terminals 70 mm² max. (flexible cable) or 95 mm² max. rigid cable with accessories
Can be fitted with accessories and DPX³ common auxiliaires (p. 126)
Conform to IEC 60947-2

MCCBs - fixed version

Thermal adjustable from 0,8 to 1 In
Magnetic fixed at 10 In (fixed at 400 A for In 16 A and 25 A)

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 16 kA (400 V~)
1	4 200 00	4 200 10	16
1	4 200 01	4 200 11	25
1	4 200 02	4 200 12	40
1	4 200 03	4 200 13	63
1	4 200 04	4 200 14	80
1	4 200 05	4 200 15	100
1	4 200 06	4 200 16	125
1	4 200 07	4 200 17	160
			Breaking capacity Icu 25 kA (400 V~)
1	4 200 40	4 200 50	16
1	4 200 41	4 200 51	25
1	4 200 42	4 200 52	40
1	4 200 43	4 200 53	63
1	4 200 44	4 200 54	80
1	4 200 45	4 200 55	100
1	4 200 46	4 200 56	125
1	4 200 47	4 200 57	160
			Breaking capacity Icu 36 kA (400 V~)
1	4 200 80	4 200 90	16
1	4 200 81	4 200 91	25
1	4 200 82	4 200 92	40
1	4 200 83	4 200 93	63
1	4 200 84	4 200 94	80
1	4 200 85	4 200 95	100
1	4 200 86	4 200 96	125
1	4 200 87	4 200 97	160
			Breaking capacity Icu 50 kA (400 V~)
1	4 201 20	4 201 30	16
1	4 201 21	4 201 31	25
1	4 201 22	4 201 32	40
1	4 201 23	4 201 33	63
1	4 201 24	4 201 34	80
1	4 201 25	4 201 35	100
1	4 201 26	4 201 36	125
1	4 201 27	4 201 37	160

MCCBs with electronic earth leakage module - fixed version

Thermal adjustable from 0,8 to 1 In
Magnetic fixed at 10 In (fixed at 400 A for In 16 A and 25 A)
Equipped with earth leakage module with LCD screen
Adjustable sensitivity: 0.03 - 0.3 - 1 - 3 A
Adjustable tripping: 0 - 0.3 - 1 - 3s (with 0.03 A possible only 0 s)

Pack	Cat.Nos 4P	In (A)
		Breaking capacity Icu 16 kA (400 V~)
1	4 200 30	16
1	4 200 31	25
1	4 200 32	40
1	4 200 33	63
1	4 200 34	80
1	4 200 35	100
1	4 200 36	125
1	4 200 37	160
		Breaking capacity Icu 25 kA (400 V~)
1	4 200 70	16
1	4 200 71	25
1	4 200 72	40
1	4 200 73	63
1	4 200 74	80
1	4 200 75	100
1	4 200 76	125
1	4 200 77	160
		Breaking capacity Icu 36 kA (400 V~)
1	4 201 10	16
1	4 201 11	25
1	4 201 12	40
1	4 201 13	63
1	4 201 14	80
1	4 201 15	100
1	4 201 16	125
1	4 201 17	160
		Breaking capacity Icu 50 kA (400 V~)
1	4 201 50	16
1	4 201 51	25
1	4 201 52	40
1	4 201 53	63
1	4 201 54	80
1	4 201 55	100
1	4 201 56	125
1	4 201 57	160

DPX³ 160 equipment and mounting accessories



4 210 40

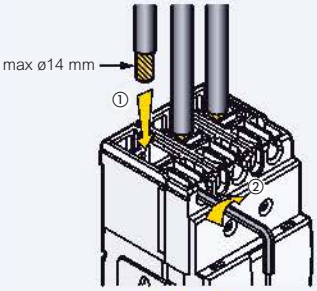


4 210 36

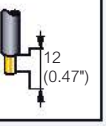
Pack	Cat.Nos	Equipment for plug-in version
		A plug-in version DPX³ is a fixed version DPX³ mounted on a plug-in base
		Plug-in bases for DPX³ 160
		Front or rear terminal mounting base
1	4 210 40	For DPX³ 160 - 3P
1	4 210 41	For DPX³ 160 - 4P with or without earth leakage module
		Connectors for auxiliary contacts
1	4 210 44	Set of connectors
		Padlocks for plug-in base
1	4 210 45	Key barrel and flat key N° ABA90GEL6149
1	4 210 46	Key barrel and star key N° HBA90GPS6149
1	4 210 47	Padlock accessory
		Connection accessories
		High capacity cage terminals
		For Cu/Al cables, 1 x 120 mm² for flexible cables and 1 x 150 mm² for rigid cable and 18 mm bars
1	4 210 26	Set of 3 terminals
1	4 210 27	Set of 4 terminals
		Cage terminals
		For Cu/Al cables, 1 x 70 mm² for flexible cables and 1 x 95 mm² for rigid cables and 14 mm bars
1	4 210 93	Set of 3 terminals
1	4 210 94	Set of 4 terminals
		Insulated shields
1	4 210 70	Set of 3 insulated shields
		Screw terminals for bars connection
		For copper bars
1	4 210 28	Set of 3 terminals
1	4 210 29	Set of 4 terminals
		Spreaders
		For incoming bars or cable lugs
1	4 210 32	Set of 3 spreaders for DPX³ 160 3P
1	4 210 33	Set of 4 spreaders for DPX³ 160 4P
		Rear terminals
		Flat swivel terminals Used to convert a fixed version with front terminals to a fixed version with rear terminals
1	4 210 36	Set of 3 rear terminals for DPX³ 160 3P
1	4 210 37	Set of 4 rear terminals for DPX³ 160 4P
		Sealable terminal shields
		For front terminals
1	4 210 54	For DPX³ 160 3P
1	4 210 55	For DPX³ 160 3P
		For rear terminals
1	4 210 50	For DPX³ 160 3P
1	4 210 51	For DPX³ 160 4P
		Fixing plates
		For fixing DPX³ 160 on ⊔ rail or on plate
1	4 210 71	For DPX³ 160 3P/4P without earth leakage module
1	4 210 73	For DPX³ 160 4P with earth leakage module
1	4 210 68	For DPX³ 160 3P/4P with side mounting motor operator

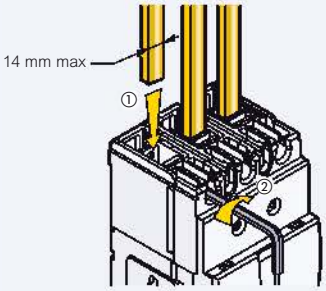
Connection

Direct connection

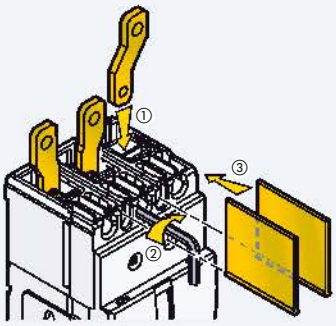


Flexible
1,5 ➡ 70 mm²
#16 ➡ #2/0 AWG
or
Solid
1,5 ➡ 95 mm²
#16 ➡ #4/0 AWG

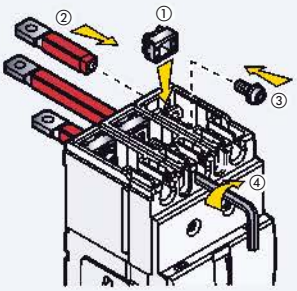




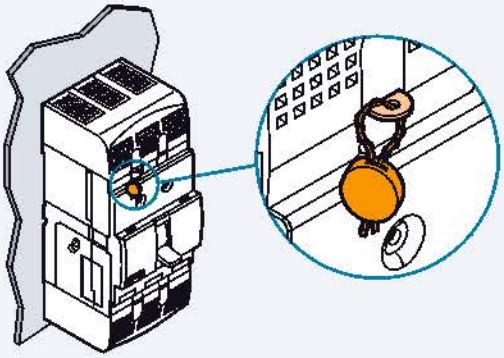
Spreaders



Rear terminals



Sealable terminal shield



DPX³ 250 thermal magnetic

MCCBs from 100 to 250 A



4 202 05



4 202 25

Electrical characteristics **see e-catalogue**
Dimensions **see e-catalogue**

Can be mounted on rail ⊔ or on plate in XL³ cabinets and enclosures
MCCBs for switching, control isolation and protection of low voltage electrical lines
Supplied with insulated shileds, cage terminals 120 mm² max. (flexible cable) or 150 mm² max. rigid cable with accessories
Can be fitted with accessories and DPX³ common auxiliaires (p. 126)
Conform to IEC 60947-2

MCCBs - fixed version

Thermal adjustable from 0,8 to 1 In
Magnetic adjustable from 5 to 10 In

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 25 kA (400 V~)
1	4 202 05	4 202 15	100
1	4 202 07	4 202 17	160
1	4 202 08	4 202 18	200
1	4 202 09	4 202 19	250
			Breaking capacity Icu 36 kA (400 V~)
1	4 202 35	4 202 45	100
1	4 202 37	4 202 47	160
1	4 202 38	4 202 48	200
1	4 202 39	4 202 49	250
			Breaking capacity Icu 50 kA (400 V~)
1	4 202 65	4 202 75	100
1	4 202 67	4 202 77	160
1	4 202 68	4 202 78	200
1	4 202 69	4 202 79	250
			Breaking capacity Icu 70 kA (400 V~)
1	4 206 05	4 206 15	100
1	4 206 07	4 206 17	160
1	4 206 08	4 206 18	200
1	4 206 09	4 206 19	250

MCCBs with electronic earth leakage module - fixed version

Thermal adjustable from 0,8 to 1 In
Magnetic adjustable from 5 to 10 In
Equipped with earth leakage module with LCD screen
Adjustable sensitivity: 0.03 - 0.3 - 1 - 3 A
Adjustable tripping: 0 - 0.3 - 1 - 3s (with 0.03 A possible only 0s)

Pack	Cat.Nos 4P	In (A)
		Breaking capacity Icu 25 kA (400 V~)
1	4 202 25	100
1	4 202 27	160
1	4 202 28	200
1	4 202 29	250
		Breaking capacity Icu 36 kA (400 V~)
1	4 202 55	100
1	4 202 57	160
1	4 202 58	200
1	4 202 59	250
		Breaking capacity Icu 50 kA (400 V~)
1	4 202 85	100
1	4 202 87	160
1	4 202 88	200
1	4 202 89	250
		Breaking capacity Icu 70 kA (400 V~)
1	4 206 25	100
1	4 206 27	160
1	4 206 28	200
1	4 206 29	250

DPX³ 250 electronic release

MCCBs from 40 to 250 A



4 203 69



4 203 25

Electrical characteristics **see e-catalogue**
Dimensions **see e-catalogue**

Can be mounted on rail ⊔ or on plate in XL³ cabinets and enclosures
MCCBs for switching, control isolation and protection of low voltage electrical lines
Supplied with insulated shileds, cage terminals 120 mm² max. (flexible cable) or 150 mm² max. rigid cable with accessories
Can be fitted with accessories and DPX³ common auxiliaires (p. 126)
Conform to IEC 60947-2

MCCBs - fixed version

Pack	Cat.Nos 3P	Cat.Nos 4P	
			Protection against overloads: Ir adjustable from 0.4 to 1 x In tr adjustable from 3 to 15s Protection against short circuits: Isd adjustable from 1.5 to 10 x Ir tsd adjustable from 0 to 0.5s
			Breaking capacity Icu 25 kA (400 V∿)
	3P	4P	In (A)
1	4 203 02	4 203 12	40
1	4 203 05	4 203 15	100
1	4 203 07	4 203 17	160
1	4 203 09	4 203 19	250
			Breaking capacity Icu 36 kA (400 V∿)
1	4 203 32	4 203 42	40
1	4 203 35	4 203 45	100
1	4 203 37	4 203 47	160
1	4 203 39	4 203 49	250
			Breaking capacity Icu 50 kA (400 V∿)
1	4 203 62	4 203 72	40
1	4 203 65	4 203 75	100
1	4 203 67	4 203 77	160
1	4 203 69	4 203 79	250
			Breaking capacity Icu 70 kA (400 V∿)
1	4 206 35	4 206 45	40
1	4 206 37	4 206 47	100
1	4 206 38	4 206 48	160
1	4 206 39	4 206 49	250

MCCBs with electronic earth leakage module - fixed version

Pack	Cat.Nos 4P	
		Protection against overloads: Ir adjustable from 0.4 to 1 x In tr adjustable from 3 to 15s Protection against short circuits: Isd adjustable from 1.5 to 10 x Ir tsd adjustable from 0 to 0.5s Equipped with earth leakage module with LCD screen Adjustable sensitivity: 0.03 - 0.3 - 1 - 3 A Adjustable tripping: 0 - 0.3 - 1 - 3s (with 0.03 A possible only 0s)
		Breaking capacity Icu 25 kA (400 V∿)
	4P	In (A)
1	4 203 22	40
1	4 203 25	100
1	4 203 27	160
1	4 203 29	250
		Breaking capacity Icu 36 kA (400 V∿)
1	4 203 52	40
1	4 203 55	100
1	4 203 57	160
1	4 203 59	250
		Breaking capacity Icu 50 kA (400 V∿)
1	4 203 82	40
1	4 203 85	100
1	4 203 87	160
1	4 203 89	250
		Breaking capacity Icu 70 kA (400 V∿)
1	4 206 55	40
1	4 206 57	100
1	4 206 58	160
1	4 206 59	250

DPX³ 250 electronic release

MCCBs from 40 to 250 A (continued)



4 206 79



4 204 25

Electrical characteristics **see e-catalogue**
Dimensions **see e-catalogue**

Can be mounted on rail ⊔ or on plate in XL³ cabinets and enclosures
MCCBs for switching, control isolation and protection of low voltage electrical lines
Supplied with insulated shileds, cage terminals 120 mm² max. (flexible cable) or 150 mm² max. rigid cable with accessories
Can be fitted with accessories and DPX³ common auxiliaires (p. 126)
Conform to IEC 60947-2

Pack	Cat.Nos 3P	Cat.Nos 4P	MCCBs with energy metering central unit - fixed version Protection against overloads: Ir adjustable from 0.4 to 1 x In tr adjustable from 3 to 15s Protection against short circuits: Isd adjustable from 1.5 to 10 x Ir tsd adjustable from 0 to 0.5s Integrated energy metering central unit with LCD screen; currents, voltage, frequency, power, energy and harmonics
			Breaking capacity Icu 25 kA (400 V~)
	3P	4P	In (A)
1	4 204 02	4 204 12	40
1	4 204 05	4 204 15	100
1	4 204 07	4 204 17	160
1	4 204 09	4 204 19	250
			Breaking capacity Icu 36 kA (400 V~)
1	4 204 32	4 204 42	40
1	4 204 35	4 204 45	100
1	4 204 37	4 204 47	160
1	4 204 39	4 204 49	250
			Breaking capacity Icu 50 kA (400 V~)
1	4 204 62	4 204 72	40
1	4 204 65	4 204 75	100
1	4 204 67	4 204 77	160
1	4 204 69	4 204 79	250
			Breaking capacity Icu 70 kA (400 V~)
1	4 206 65	4 206 75	40
1	4 206 67	4 206 77	100
1	4 206 68	4 206 78	160
1	4 206 69	4 206 79	250

Pack	Cat.Nos 4P	MCCBs with energy metering central unit and electronic earth leakage module - fixed version Protection against overloads: Ir adjustable from 0.4 to 1 x In tr adjustable from 3 to 15s Protection against short circuits: Isd adjustable from 1.5 to 10 x Ir tsd adjustable from 0 to 0.5s Equipped with earth leakage module with LCD screen Adjustable sensitivity: 0.03 - 0.3 - 1 - 3 A Adjustable tripping: 0 - 0.3 - 1 - 3s (with 0.03 A possible only 0s) Integrated energy metering central unit with LCD screen; currents, voltage, frequency, power, energy and harmonics
		Breaking capacity Icu 25 kA (400 V~)
	4P	In (A)
1	4 204 22	40
1	4 204 25	100
1	4 204 27	160
1	4 204 29	250
		Breaking capacity Icu 36 kA (400 V~)
1	4 204 52	40
1	4 204 55	100
1	4 204 57	160
1	4 204 59	250
		Breaking capacity Icu 50 kA (400 V~)
1	4 204 82	40
1	4 204 85	100
1	4 204 87	160
1	4 204 89	250
		Breaking capacity Icu 70 kA (400 V~)
1	4 206 85	40
1	4 206 87	100
1	4 206 88	160
1	4 206 89	250

DPX³ 250 electronic release

MCCBs from 40 to 250 A (continued)



4 205 49

Electrical characteristics **see e-catalogue**
Dimensions **see e-catalogue**

Can be mounted on rail ⊔ or on plate in XL³ cabinets and enclosures
MCCBs for switching, control isolation and protection of low voltage electrical lines
Supplied with insulated shileds, cage terminals 120 mm² max. (flexible cable) or 150 mm² max. rigid cable with accessories
Can be fitted with accessories and DPX³ common auxiliaires (p. 126)
Conform to IEC 60947-2

Pack	Cat.Nos 3P	Cat.Nos 4P	Electronic release Sg MCCBs - fixed version Protection against averloads: Ir adjustable from 0.4 to 1 x In tr adjustable from 3 to 15s Protection against short circuits: Isd adjustable from 1.5 to 10 x Ir tsd adjustable from 0 to 0.5s Protection against earth fault: Ig adjustable: from 0.2 to 1 x In and OFF position tg adjustable from 0.1 to 1s
			Breaking capacity Icu 25 kA (400 V∿)
			In (A)
1	4 205 02	4 205 12	40
1	4 205 05	4 205 15	100
1	4 205 07	4 205 17	160
1	4 205 09	4 205 19	250
			Breaking capacity Icu 36 kA (400 V∿)
1	4 205 22	4 205 32	40
1	4 205 25	4 205 35	100
1	4 205 27	4 205 37	160
1	4 205 29	4 205 39	250
			Breaking capacity Icu 50 kA (400 V∿)
1	4 205 42	4 205 52	40
1	4 205 45	4 205 55	100
1	4 205 47	4 205 57	160
1	4 205 49	4 205 59	250
			Breaking capacity Icu 70 kA (400 V∿)
1	4 206 92	4 207 02	40
1	4 206 95	4 207 05	100
1	4 206 97	4 207 07	160
1	4 206 99	4 207 09	250

DPX³ 250 equipment and mounting accessories



4 210 44



4 210 31

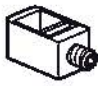


4 210 72

Pack	Cat.Nos	Equipment for plug-in version
		A plug-in version DPX³ is a fixed version DPX³ mounted on a plug-in base
		Plug-in bases for DPX³ 250
		Front or rear terminal mounting base
1	4 210 42	For DPX³ 250 - 3P
1	4 210 43	For DPX³ 250 - 4P with or without earth leakage module
		Connectors for auxiliary contacts
1	4 210 44	Set of connectors
		Padlocks for plug-in base
1	4 210 45	Key barrel and flat key N° ABA90GEL6149
1	4 210 46	Key barrel and star key N° HBA90GPS6149
1	4 210 47	Padlock accessory

Connection accessories

Cage terminals



For Cu/Al cables, 1 x 120 mm² for flexible cables and 1 x 150 mm² for rigid cables and lugs 28.5 x 8 x 8.5 mm

1	4 210 30	Set of 3 terminals
1	4 210 31	Set of 4 terminals

Screw terminals for bar connections

1	4 210 79	Set of 3 terminals
1	4 210 80	Set of 4 terminals

Insulated shields



1	4 210 70	Set of 3 insulated shields

Spreaders



For incoming bars or cable lugs

1	4 210 34	Set of 3 spreaders for DPX³ 250 3P
1	4 210 35	Set of 4 spreaders for DPX³ 250 4P

Rear terminals



Flat swivel terminals
Used to convert a fixed version with front terminals to a fixed version with rear terminals

1	4 210 38	Set of 3 rear terminals for DPX³ 250 3P
1	4 210 39	Set of 4 rear terminals for DPX³ 250 4P

Sealable terminal shields

For front terminals



1	4 210 56	For DPX³ 250 3P
1	4 210 57	For DPX³ 250 4P

For rear terminals



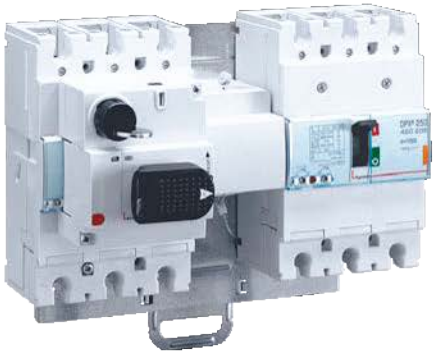
1	4 210 52	For DPX³ 250 3P
1	4 210 53	For DPX³ 250 4P

Fixing plates

For fixing DPX³ 250 on ⊔ rail or on plate

1	4 210 72	For DPX3 250 3P/4P without earth leakage module
1	4 210 74	For DPX3 250 4P with earth leakage module
1	4 210 69	For DPX3 250 3P/4P with side mounting motor operator

DPX³ 160 and 250 common auxiliaries and accessories



4 210 58



4 210 00



4 210 10



4 210 11



4 210 16

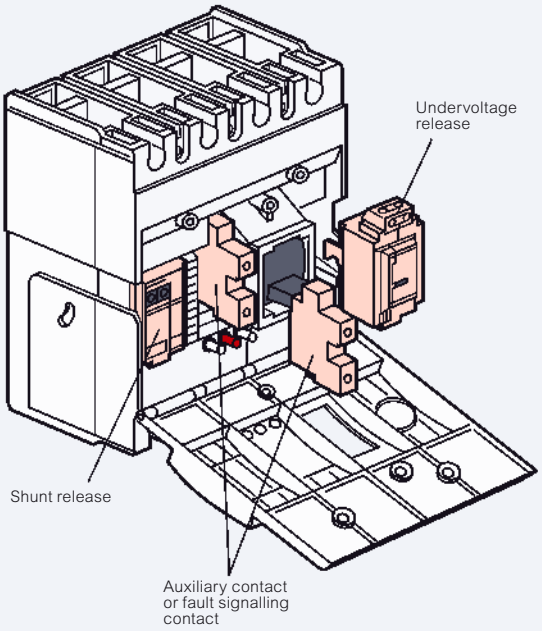


4 210 22

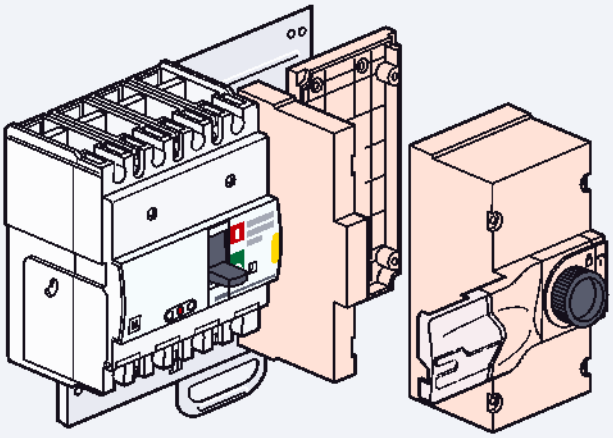
Pack	Cat.Nos	Supply invertor type
		Plate for mounting and interlocking of 2 DPX³ For 2 DPX³ 160 or 2 DPX³ 250 or 1 DPX³ 160 and 1 DPX³ 250
1	4 210 58	For fixed version
1	4 210 59	For plug-in and draw-out version
		Rotary handles
		Direct on DPX
1	4 210 00	Standard handle for thermal magnetic DPX³ without earth leakage module
1	4 210 01	Standard handle for electronic DPX³ and/or with earth leakage module
1	4 210 02	Handle for emergency use for thermal magnetic DPX³ without earth leakage module
1	4 210 03	Handle for emergency use for electronic DPX³ and/ or with earth leakage module
		Vari-depth handles
		For all version of DPX³
1	4 210 04	Standard handle
1	4 210 05	Handle for emergency use
		Locking accessories
1	4 210 06	Key barrel and flat key N° ABA90GEL6149 for direct handle
1	4 210 07	Key barrel and star key N° HBA90GPS6149 for direct handle
1	4 210 08	Key barrel and flat key N° ABA90GEL6149 for vari-depth handle
1	4 210 09	Key barrel and star key N° HBA90GPS6149 for vari-depth handle
		Motor-driven handles
		Motor operators 24 to 230 V~/⎓
1	4 210 60	Side motor operator
1	4 210 61	Front motor operator
		Locking accessories
1	4 210 62	Key barrel and flat key N° ABA90GEL6149 for front motor operator
1	4 210 63	Key barrel and star key N° HBA90GPS6149 for front motor operator
1	4 210 64	Padlock for front motor operator
1	4 210 65	Key barrel and flat key N° ABA90GEL6149 for side motor operator
1	4 210 66	Key barrel and star key N° HBA90GPS6149 for side motor operator
1	4 210 67	Padlock for side motor operator

Pack	Cat.Nos	Auxiliaries
		Auxiliary contacts
1	4 210 10	1 N/C + 1 N/O auxiliary contact for rotary handles
1	4 210 11	Auxiliary contact or fault signalling contact
1	4 210 48	Signalling contact plugged-in / drawn-out (for DPX³ plug-in version)
		Shunt releases
1	4 210 12	12 V~/⎓
1	4 210 13	24 V~/⎓
1	4 210 14	48 V~/⎓
1	4 210 15	110-130 V~/⎓
1	4 210 16	200-277 V~/⎓
1	4 210 17	380-480 V~/⎓
		Undervoltage releases
1	4 210 18	12 V~/⎓
1	4 210 19	24 V~/⎓
1	4 210 20	48 V~/⎓
1	4 210 21	110-130 V~/⎓
1	4 210 22	200-240 V~/⎓
1	4 210 23	277 V~
1	4 210 24	380-415 V~
1	4 210 25	440-480 V~
		Locking accessory
1	4 210 49	Padlock for locking in "open" position
		Communication interface
1	4 210 75	Modbus

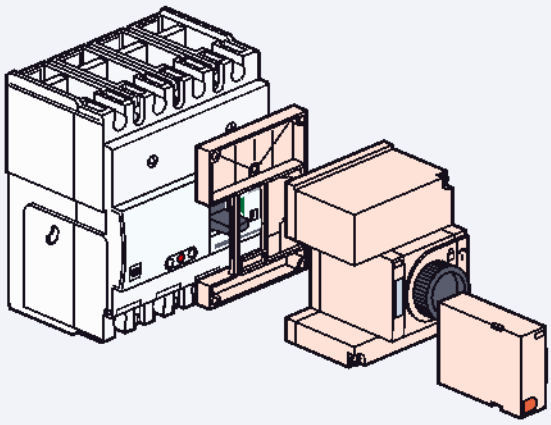
Auxiliaries mounting



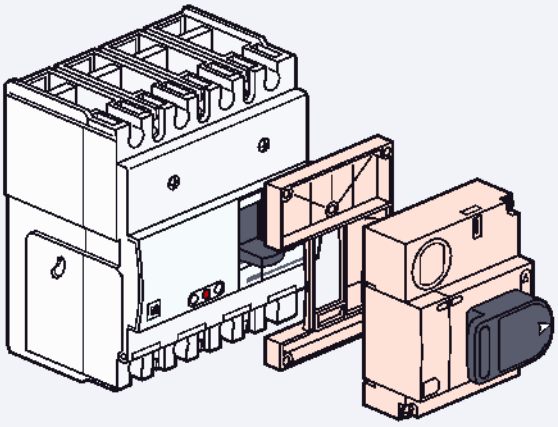
Side mounting motor-driven handle



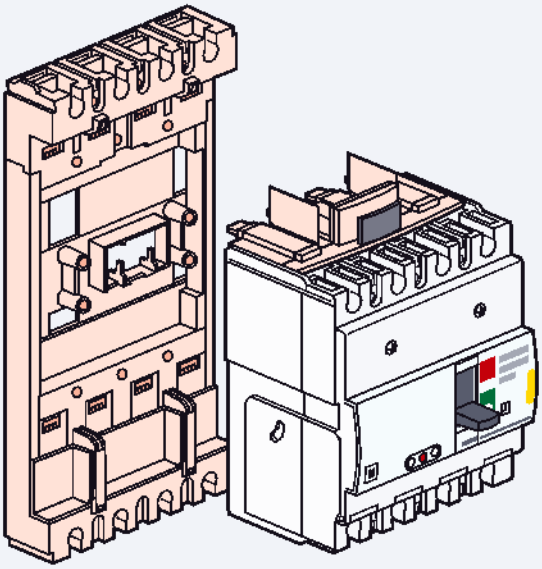
Front mounting motor-driven handle



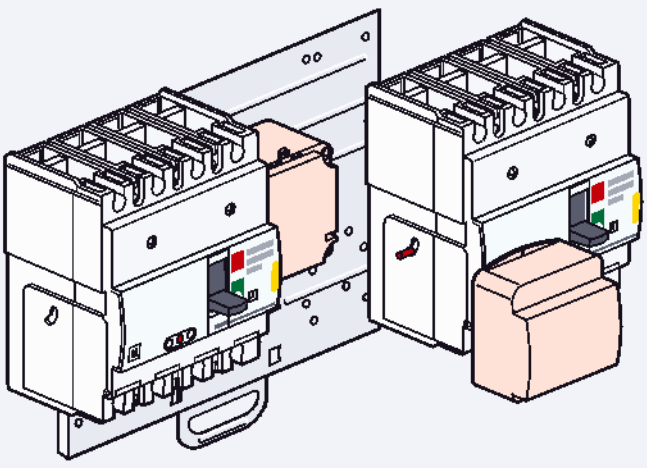
Direct rotary handle



Plug-in version



Supply invertor type



DPX³ 630

thermal magnetic release MCCBs from 250 to 630 A



4 220 02



4 220 07

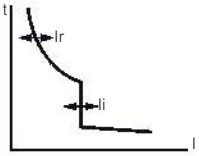
Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 138)
Can be used with earth leakage modules (p. 132) or with residual current relays (p. 139)
Supplied complete with:
- connection plates for bars
- terminal shields

Conform to IEC 60947-2 - Sealable adjustment
Can be mounted on plate in XL³ cabinets and enclosures

MCCBs thermal magnetic release - fixed version

Thermal adjustable from 0.8 to 1 In
Magnetic adjustable from 5 to 10 In



Breaking capacity Icu 36 kA (400 V~)

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
1	4 220 00	4 220 05	250
1	4 220 01	4 220 06	320
1	4 220 02	4 220 07	400
1	4 220 03	4 220 08	500
1	4 220 04	4 220 09	630
	3P + N/2		
1	4 220 10		320
1	4 220 11		400
1	4 220 12		500
1	4 220 13		630

Breaking capacity Icu 50 kA (400 V~)

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
1	4 220 14	4 220 19	250
1	4 220 15	4 220 20	320
1	4 220 16	4 220 21	400
1	4 220 17	4 220 22	500
1	4 220 18	4 220 23	630
	3P + N/2		
1	4 220 24		320
1	4 220 25		400
1	4 220 26		500
1	4 220 27		630

MCCBs thermal magnetic release - fixed version (continued)

Breaking capacity Icu 70 kA (400 V~)

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
1	4 220 28	4 220 33	250
1	4 220 29	4 220 34	320
1	4 220 30	4 220 35	400
1	4 220 31	4 220 36	500
1	4 220 32	4 220 37	630
	3P + N/2		
1	4 220 38		320
1	4 220 39		400
1	4 220 40		500
1	4 220 41		630

Breaking capacity Icu 100 kA (400 V~)

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
1	4 220 42	4 220 47	250
1	4 220 43	4 220 48	320
1	4 220 44	4 220 49	400
1	4 220 45	4 220 50	500
1	4 220 46	4 220 51	630
	3P + N/2		
1	4 220 52		320
1	4 220 53		400
1	4 220 54		500
1	4 220 55		630

DPX³ 630

S1 electronic release MCCBs from 250 to 630 A

DPX³ 630/1600

electronic release



4 225 00



4 225 05

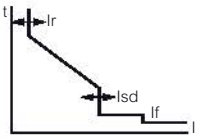
Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 138)
Can be used with earth leakage modules (p. 132) or with residual current relays (p. 139)
Supplied complete with:
- connection plates for bars
- terminal shields

Conform to IEC 60947-2 - Sealable adjustment
Can be mounted on plate in XL³ cabinets and enclosures

MCCBs electronic release S1 - fixed version

Adjustment of Ir, Isd (opposite)
Instantaneous protection If = 5 kA
Green indicator lamp
Connector for test unit
Dynamic selectivity
4P version: adjustement of neutral on front panel



AVAILABLE MARCH 2015

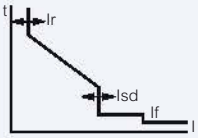
Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 36 kA (400 V~)
1	4 224 98	4 225 03	250
1	4 224 99	4 225 04	320
1	4 225 00	4 225 05	400
1	4 225 01	4 225 06	500
1	4 225 02	4 225 07	630
			Breaking capacity Icu 50 kA (400 V~)
1	4 225 08	4 225 13	250
1	4 225 09	4 225 14	320
1	4 225 10	4 225 15	400
1	4 225 11	4 225 16	500
1	4 225 12	4 225 17	630
			Breaking capacity Icu 70 kA (400 V~)
1	4 225 18	4 225 23	250
1	4 225 19	4 225 24	320
1	4 225 20	4 225 25	400
1	4 225 21	4 225 26	500
1	4 225 22	4 225 27	630
			Breaking capacity Icu 100 kA (400 V~)
1	4 225 28	4 225 33	250
1	4 225 29	4 225 34	320
1	4 225 30	4 225 35	400
1	4 225 31	4 225 36	500
1	4 225 32	4 225 37	630

For DPX 630 electronic release S1 **please consult us**



Performance data

S1 - Adjustment of Ir, Isd

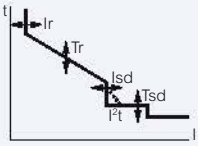


Protection against overloads:
- Ir adjustable from 0.4 to 1 x In

Protection against short circuits:
- Isd adjustable from 1.5 to 10 x Ir

Instantaneous protection If = 5 kA

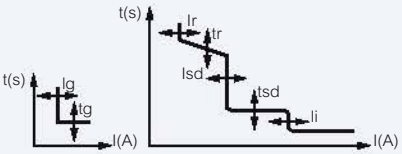
S2 - Adjustment of Ir, tr, Isd, tsd



Protection against overloads:
- Ir adjustable from 0.4 to 1 x In
- tr adjustable from 3 to 15 s

Protection against short circuits:
- Isd adjustable from 1.5 to 10 x Ir
- tsd adjustable from 0 to 0.5 s

Sg - Adjustment of Ir, tr, Isd, tsd, Ig, tg



Protection against overloads:
- Ir adjustable from 0.4 to 1 x In
- tr adjustable from 3 to 15 s

Protection against short circuits:
- Isd adjustable from 1.5 to 10 x Ir
- tsd adjustable from 0 to 0.5 s

Protection against earth fault:
- Ig adjustable: from 0.2 to 1 x In and OFF position
- tg adjustable from 0.1 to 1 s

DPX³ 630

S2 electronic release MCCBs from 250 to 630 A



4 220 60



4 220 65

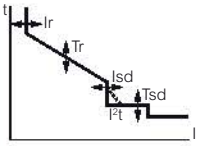
Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 138)
Can be used with earth leakage modules (p. 132) or with residual current relays (p. 139)
Supplied complete with:
- connection plates for bars
- terminal shields

Conform to IEC 60947-2 - Sealable adjustment
Can be mounted on plate in XL³ cabinets and enclosures

MCCBs electronic release S2 - fixed version

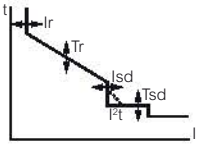
Adjustment of Ir, Isd, tr, tsd (p. 129)
Instantaneous protection If = 5 kA
Green indicator lamp
Connector for test unit
Logic and dynamic selectivity
4P version: adjustement of neutral on front panel



Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 36 kA (400 V~)
1	4 220 56	4 220 61	250
1	4 220 57	4 220 62	320
1	4 220 58	4 220 63	400
1	4 220 59	4 220 64	500
1	4 220 60	4 220 65	630
			Breaking capacity Icu 50 kA (400 V~)
1	4 220 66	4 220 71	250
1	4 220 67	4 220 72	320
1	4 220 68	4 220 73	400
1	4 220 69	4 220 74	500
1	4 220 70	4 220 75	630
			Breaking capacity Icu 70 kA (400 V~)
1	4 220 76	4 220 81	250
1	4 220 77	4 220 82	320
1	4 220 78	4 220 83	400
1	4 220 79	4 220 84	500
1	4 220 80	4 220 85	630
			Breaking capacity Icu 100 kA (400 V~)
1	4 220 86	4 220 91	250
1	4 220 87	4 220 92	320
1	4 220 88	4 220 93	400
1	4 220 89	4 220 94	500
1	4 220 90	4 220 95	630

MCCBs electronic release S2 with energy metering central unit - fixed version

Adjustment of Ir, Isd, tr, tsd (p. 129)
Instantaneous protection If = 5 kA
Green indicator lamp
Connector for test unit
Logic and dynamic selectivity
4P version: adjustement of neutral on front panel



Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 36 kA (400 V~)
1	4 220 96	4 221 01	250
1	4 220 97	4 221 02	320
1	4 220 98	4 221 03	400
1	4 220 99	4 221 04	500
1	4 221 00	4 221 05	630
			Breaking capacity Icu 50 kA (400 V~)
1	4 221 06	4 221 11	250
1	4 221 07	4 221 12	320
1	4 221 08	4 221 13	400
1	4 221 09	4 221 14	500
1	4 221 10	4 221 15	630
			Breaking capacity Icu 70 kA (400 V~)
1	4 221 16	4 221 21	250
1	4 221 17	4 221 22	320
1	4 221 18	4 221 23	400
1	4 221 19	4 221 24	500
1	4 221 20	4 221 25	630
			Breaking capacity Icu 100 kA (400 V~)
1	4 221 26	4 221 31	250
1	4 221 27	4 221 32	320
1	4 221 28	4 221 33	400
1	4 221 29	4 221 34	500
1	4 221 30	4 221 35	630

DPX³ 630

Sg electronic release MCCBs from 250 to 630 A



4 221 38



4 221 43

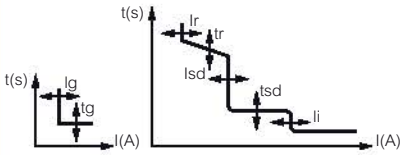
Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 138)
Can be used with earth leakage modules (p. 132) or with residual current relays (p. 139)
Supplied complete with:
- connection plates for bars
- terminal shields

Conform to IEC 60947-2 - Sealable adjustment
Can be mounted on plate in XL³ cabinets and enclosures

MCCBs electronic release Sg - fixed version

Adjustment of Ir, Isd, Ig, tr, tsd, tg (p. 129)
Instantaneous protection If = 5 kA
Green indicator lamp
Connector for test unit
Logic and dynamic selectivity
4P version: adjustement of neutral on front panel

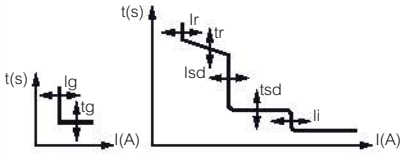


Breaking capacity Icu 36 kA (400 V~)

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
1	4 221 36	4 221 41	250
1	4 221 37	4 221 42	320
1	4 221 38	4 221 43	400
1	4 221 39	4 221 44	500
1	4 221 40	4 221 45	630
			Breaking capacity Icu 50 kA (400 V~)
1	4 221 46	4 221 51	250
1	4 221 47	4 221 52	320
1	4 221 48	4 221 53	400
1	4 221 49	4 221 54	500
1	4 221 50	4 221 55	630
			Breaking capacity Icu 70 kA (400 V~)
1	4 221 56	4 221 61	250
1	4 221 57	4 221 62	320
1	4 221 58	4 221 63	400
1	4 221 59	4 221 64	500
1	4 221 60	4 221 65	630
			Breaking capacity Icu 100 kA (400 V~)
1	4 221 66	4 221 71	250
1	4 221 67	4 221 72	320
1	4 221 68	4 221 73	400
1	4 221 69	4 221 74	500
1	4 221 70	4 221 75	630

MCCBs electronic release Sg with energy metering central unit - fixed version

Adjustment of Ir, Isd, Ig, tr, tsd, tg (p. 129)
Instantaneous protection If = 5 kA
Green indicator lamp
Connector for test unit
Logic and dynamic selectivity
4P version: adjustement of neutral on front panel



Breaking capacity Icu 36 kA (400 V~)

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
1	4 221 76	4 221 81	250
1	4 221 77	4 221 82	320
1	4 221 78	4 221 83	400
1	4 221 79	4 221 84	500
1	4 221 80	4 221 85	630
			Breaking capacity Icu 50 kA (400 V~)
1	4 221 86	4 221 91	250
1	4 221 87	4 221 92	320
1	4 221 88	4 221 93	400
1	4 221 89	4 221 94	500
1	4 221 90	4 221 95	630
			Breaking capacity Icu 70 kA (400 V~)
1	4 221 96	4 222 01	250
1	4 221 97	4 222 02	320
1	4 221 98	4 222 03	400
1	4 221 99	4 222 04	500
1	4 222 00	4 222 05	630
			Breaking capacity Icu 100 kA (400 V~)
1	4 222 06	4 222 11	250
1	4 222 07	4 222 12	320
1	4 222 08	4 222 13	400
1	4 222 09	4 222 14	500
1	4 222 10	4 222 15	630

DPX³ 630

earth leakage modules



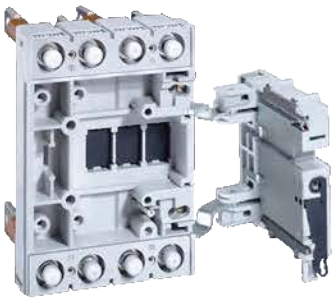
0 260 63

Pack	Cat.Nos	Earth leakage modules
		Can be fitted onto DPX³/DPX³-I 630 Adjustable, sealable sensitivity: 0.03 - 0.3 - 1 - 3 A Adjustable, time delay: 0 - 0.3 - 1 - 3 s Test push-button Reset push-button Remote earth fault signalling contact Switch for mechanical tests (installation insulation test) Mounted underneath 230-500 V~
		Standard
	3P | 4P	In (A)
1	0 260 60 | 0 260 61	400
1	0 260 64 | 0 260 65	630
		LED version
		Monitors the isolation state of the installation via a series of LEDs
	4P	In (A)
1	0 260 63	400
1	0 260 67	630

For detailed dimensions,
see e-catalogue

DPX³ 630

equipment and accessories



4 222 25



4 222 32

Pack	Cat.Nos	Plug-in version
		A plug-in is a DPX³ fitted with special terminals and mounted on a plug-in base
		Special terminals for plug-in/draw-out base
	3P | 4P	
1	4 222 20 | 4 222 21	Set of incoming and outgoing terminals (6 terminals for 3P DPX³ or 8 terminals for 4P DPX³)
		Bases for DPX³ only
		Accept DPX³/DPX³-I fitted with special terminals
1	4 222 22 | 4 222 23	Front terminal mounting base
1	4 222 24 | 4 222 25	Flat rear terminal mounting base
		Bases for DPX³ with earth leakage module
	4P	
1	4 222 26	Front terminal mounting base
1	4 222 27	Flat rear terminal mounting base
		Accessories
1	4 222 28	Set of 2 extractor handle
1	4 222 29	Set of connectors (24-pin)
		Draw-out version
		A DPX³ draw-out version is a plug-in DPX³ fitted with a "Debro-lift" mechanism which can be used to withdraw the DPX³ while keeping it on its base
		"Debro-lift" mechanism
	3P | 4P	Supplied with a rigid slide and handle for drawing-out
1	4 222 31 | 4 222 32	For DPX³ base only
1	| 4 222 33	For DPX³ base with earth leakage module
		Key-lock for "Debro-lift" mechanism
		Enable locking of DPX³ in drawn-out position Flat key n°HBA90GPS6149 Star key n°ABA90GEL6149
	Flat key | Star key	
1	0 265 76 | 0 263 48	One key for DPX³ only
1	0 265 78 | 0 265 77	Two keys (one key supplied) for motorised DPX³ or with rotary handle
		Accessories for "Debro-lift" mechanism
1	0 265 75	Handle for drawing-out
1	0 265 74	Signalling contact (plugged-in/drawn-out)
		Auxiliary contacts
1	4 222 30	Automatic auxiliary contacts for DPX³ draw-out version (up to 2 contacts by DPX³)
		Supply invertor type
		Factory assembled A supply invertor type is composed of one plate with interlock for 2 devices
1	0 264 09	Plate for MCCB or trip-free switch fixed version
1	0 264 04	Plate for MCCB or trip-free switch plug-in and draw-out version

For the old range of accessories for DPX 630 plug-in and draw-out versions
please consult us

DPX³ 630

equipment and accessories (continued)



0 261 40



0 262 50



0 262 51



0 262 48

Pack	Cat.Nos	Rotary handles
		Direct on DPX³
1	0 262 41	Standard (grey)
1	0 262 24	For emergency use (red/yellow) - can be fitted on Cat.Nos 0 262 22, 0 262 41 or 0 262 81
		Vari-depth handle IP 55
		Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism
1	0 262 81	Standard (grey)
1	0 262 82	For emergency use (red/yellow) can be fitted on Cat.Nos 0 262 81 or 0 262 41
		Locking accessories
		For vary-depth handle
1	0 262 93	Key barrel and flat key N° ABA90GEL6149
1	0 262 94	Key barrel and star key N° HBA90GPS6149
		Motor-driven handles
		Front operated
1	0 261 40	24 V~/⎓
1	0 261 41	48 V~/⎓
1	0 261 44	230 V~
		Accessories
1	0 261 59	Lock and flat key N° ABA90GEL6149
1	0 261 58	Lock and star key N° HBA90GPS6149

Pack	Cat.Nos	Accessories
		Insulated shields
1	0 262 30	Set of 3
	3P | 4P	**Sealable terminal shields**
1	0 262 44 | 0 262 45	Set of 2
		Padlock
1	0 262 40	For locking in "OPEN" position
		Cage terminals
1	0 262 50	Set of 4 terminals for cable 300 mm² max. (rigid) or 240 mm² max. (flexible)
1	0 262 51	Set of 4 high-capacity terminals for cable 2 x 240 mm² (rigid) or 2 x 185 mm² (flexible)
		Adaptor for lug
		For connecting bare cables with wide lugs
1	0 262 46	Set of 4 adaptors + insulated shields
		Extended front terminals
1	0 262 47	Set of 4
	3P | 4P	**Spreaders**
1	0 262 48 | 0 262 49	Set of incoming or outgoing spreaders
		Rear terminals
		Used to convert the fixed version with front terminals to the fixed version with rear terminals
1	0 263 50 | 0 263 51	Set of incoming or outgoing swivel terminals
1	0 263 52 | 0 263 53	Set of incoming or outgoing flat terminals
		IP 20 terminal covers
1	4 222 34 | 4 222 35	Set of 2 terminal covers

DPX³ 1600

thermal magnetic release MCCBs from 630 to 1250 A



4 222 78



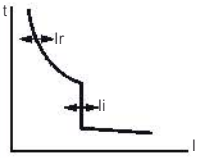
4 222 83

Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 138)
Can be used with residual current relays (p. 139)
Supplied complete with:
- connection plates for bars
- terminal shields
Conform to IEC 60947-2 - Sealable adjustment
Can be mounted on plate in XL³ cabinets and enclosures

MCCBs thermal magnetic release fixed version

Thermal adjustable from 0.8 to 1 In
Magnetic adjustable from 5 to 10 In



Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 36 kA (400 V~)
1	4 222 51	4 222 56	630
1	4 222 52	4 222 57	800
1	4 222 53	4 222 58	1000
1	4 222 54	4 222 59	1250
	3P + N/2		
1	4 222 60		1000
1	4 222 61		1250
			Breaking capacity Icu 50 kA (400 V~)
1	4 222 63	4 222 68	630
1	4 222 64	4 222 69	800
1	4 222 65	4 222 70	1000
1	4 222 66	4 222 71	1250
	3P + N/2		
1	4 222 72		1000
1	4 222 73		1250
			Breaking capacity Icu 70 kA (400 V~)
1	4 222 75	4 222 80	630
1	4 222 76	4 222 81	800
1	4 222 77	4 222 82	1000
1	4 222 78	4 222 83	1250
	3P + N/2		
1	4 222 84		1000
1	4 222 85		1250
			Breaking capacity Icu 100 kA (400 V~)
1	4 222 87	4 222 92	630
1	4 222 88	4 222 93	800
1	4 222 89	4 222 94	1000
1	4 222 90	4 222 95	1250
	3P + N/2		
1	4 222 96		1000
1	4 222 97		1250

DPX³ 1600

S1 electronic release MCCBs from 630 to 1600 A



4 225 66



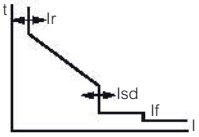
4 225 72

Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 138)
Can be used with residual current relays (p. 139)
Supplied complete with:
- connection plates for bars
- terminal shields
Conform to IEC 60947-2 - Sealable adjustment
Can be mounted on plate in XL³ cabinets and enclosures

MCCBs electronic release S1 fixed version

Adjustment of Ir, Isd (p. 129)
Instantaneous protection If = 20 kA
Green indicator lamp
Connector for test unit
Dynamic selectivity
4P version: adjustement of neutral on front panel



AVAILABLE MARCH 2015

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 36 kA (400 V~)
1	4 225 39	4 225 45	630
1	4 225 40	4 225 46	800
1	4 225 41	4 225 47	1000
1	4 225 42	4 225 48	1250
1	4 225 43	4 225 49	1600
			Breaking capacity Icu 50 kA (400 V~)
1	4 225 51	4 225 57	630
1	4 225 52	4 225 58	800
1	4 225 53	4 225 59	1000
1	4 225 54	4 225 60	1250
1	4 225 55	4 225 61	1600
			Breaking capacity Icu 70 kA (400 V~)
1	4 225 63	4 225 69	630
1	4 225 64	4 225 70	800
1	4 225 65	4 225 71	1000
1	4 225 66	4 225 72	1250
1	4 225 67	4 225 73	1600
			Breaking capacity Icu 100 kA (400 V~)
1	4 225 75	4 225 81	630
1	4 225 76	4 225 82	800
1	4 225 77	4 225 83	1000
1	4 225 78	4 225 84	1250

For DPX 1600 electronic release S1 **please consult us**



DPX³ 1600

S2 electronic release MCCBs from 630 to 1600 A



4 223 27



4 223 33

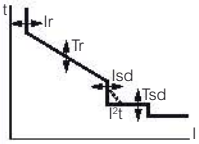
Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 138)
Can be used with residual current relays (p. 139)
Supplied complete with:
- connection plates for bars
- terminal shields

Conform to IEC 60947-2 - Sealable adjustment
Can be mounted on plate in XL³ cabinets and enclosures

MCCBs electronic release S2 fixed version

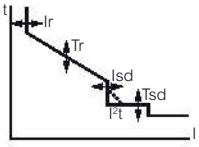
Adjustment of Ir, Isd, tr, tsd (p. 129)
Instantaneous protection If = 20 kA
Green indicator lamp
Connector for test unit
Logic and dynamic selectivity
4P version: adjustement of neutral on front panel



Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 36 kA (400 V~)
1	4 222 99	4 223 05	630
1	4 223 00	4 223 06	800
1	4 223 01	4 223 07	1000
1	4 223 02	4 223 08	1250
1	4 223 03	4 223 09	1600
			Breaking capacity Icu 50 kA (400 V~)
1	4 223 11	4 223 17	630
1	4 223 12	4 223 18	800
1	4 223 13	4 223 19	1000
1	4 223 14	4 223 20	1250
1	4 223 15	4 223 21	1600
			Breaking capacity Icu 70 kA (400 V~)
1	4 223 23	4 223 29	630
1	4 223 24	4 223 30	800
1	4 223 25	4 223 31	1000
1	4 223 26	4 223 32	1250
1	4 223 27	4 223 33	1600
			Breaking capacity Icu 100 kA (400 V~)
1	4 223 35	4 223 41	630
1	4 223 36	4223 42	800
1	4 223 37	4 223 43	1000
1	4 223 38	4 223 44	1250

MCCBs electronic release S2 with energy metering central unit fixed version

Adjustment of Ir, Isd, tr, tsd (p. 129)
Instantaneous protection If = 20 kA
Green indicator lamp
Connector for test unit
Logic and dynamic selectivity
4P version: adjustement of neutral on front panel



Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 36 kA (400 V~)
1	4 223 47	4 223 53	630
1	4 223 48	4 223 54	800
1	4 223 49	4 223 55	1000
1	4 223 50	4 223 56	1250
1	4 223 51	4 223 57	1600
			Breaking capacity Icu 50 kA (400 V~)
1	4 223 59	4 223 65	630
1	4 223 60	4 223 66	800
1	4 223 61	4 223 67	1000
1	4 223 62	4 223 68	1250
1	4 223 63	4 223 69	1600
			Breaking capacity Icu 70 kA (400 V~)
1	4 223 71	4 223 77	630
1	4 223 72	4 223 78	800
1	4 223 73	4 223 79	1000
1	4 223 74	4 223 80	1250
1	4 223 75	4 223 81	1600
			Breaking capacity Icu 100 kA (400 V~)
1	4 223 83	4 223 89	630
1	4 223 84	4 223 90	800
1	4 223 85	4 223 91	1000
1	4 223 86	4 223 92	1250

DPX³ 1600

Sg electronic release MCCBs from 630 to 1600 A



4 224 23



4 224 29

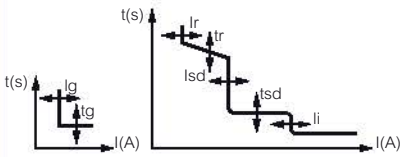
Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 138)
Can be used with residual current relays (p. 139)
Supplied complete with:
- connection plates for bars
- terminal shields

Conform to IEC 60947-2 - Sealable adjustment
Can be mounted on plate in XL³ cabinets and enclosures

MCCBs electronic release Sg fixed version

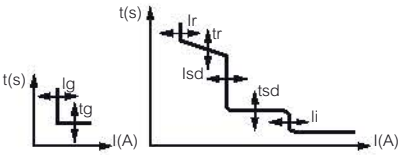
Adjustment of Ir, Isd, Ig, tr, tsd, tg (p. 129)
Instantaneous protection If = 20 kA
Green indicator lamp
Connector for test unit
Logic and dynamic selectivity
4P version: adjustement of neutral on front panel



Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 36 kA (400 V~)
1	4 223 95	4 224 01	630
1	4 223 96	4 224 02	800
1	4 223 97	4 224 03	1000
1	4 223 98	4 224 04	1250
1	4 223 99	4 224 05	1600
			Breaking capacity Icu 50 kA (400 V~)
1	4 224 07	4 224 13	630
1	4 224 08	4 224 14	800
1	4 224 09	4 224 15	1000
1	4 224 10	4 224 16	1250
1	4 224 11	4 224 17	1600
			Breaking capacity Icu 70 kA (400 V~)
1	4 224 19	4 224 25	630
1	4 224 20	4 224 26	800
1	4 224 21	4 224 27	1000
1	4 224 22	4 224 28	1250
1	4 224 23	4 224 29	1600
			Breaking capacity Icu 100 kA (400 V~)
1	4 224 31	4 224 37	630
1	4 224 32	4 224 38	800
1	4 224 33	4 224 39	1000
1	4 224 34	4 224 40	1250

MCCBs electronic release Sg with energy metering central unit fixed version

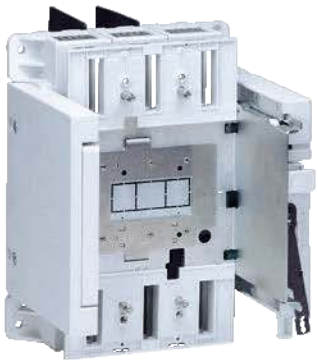
Adjustment of Ir, Isd, Ig, tr, tsd, tg (p. 129)
Instantaneous protection If = 20 kA
Green indicator lamp
Connector for test unit
Logic and dynamic selectivity
4P version: adjustement of neutral on front panel



Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
			Breaking capacity Icu 36 kA (400 V~)
1	4 224 43	4 224 49	630
1	4 224 44	4 224 50	800
1	4 224 45	4 224 51	1000
1	4 224 46	4 224 52	1250
1	4 224 47	4 224 53	1600
			Breaking capacity Icu 50 kA (400 V~)
1	4 224 55	4 224 61	630
1	4 224 56	4 224 62	800
1	4 224 57	4 224 63	1000
1	4 224 58	4 224 64	1250
1	4 224 59	4 224 65	1600
			Breaking capacity Icu 70 kA (400 V~)
1	4 224 67	4 224 73	630
1	4 224 68	4 224 74	800
1	4 224 69	4 224 75	1000
1	4 224 70	4 224 76	1250
1	4 224 71	4 224 77	1600
			Breaking capacity Icu 100 kA (400 V~)
1	4 224 79	4 224 85	630
1	4 224 80	4 224 86	800
1	4 224 81	4 224 87	1000
1	4 224 82	4 224 88	1250

DPX³ 1600

equipment and accessories



4 225 88 + 4 225 93



0 262 60



0 262 70



0 262 67 + 0 262 68

Pack	Cat.Nos	
		Draw-out version
		A DPX³ draw-out version is a DPX³ fitted with draw-out base and a "Debro-lift" mechanism which can be used to withdraw the DPX³ while keeping it on its base
		Draw-out base
		For DPX³ 1600 equipped with "Debro-lift" mechanism
	3P 4P	Cat.No 4 225 93 or 4 225 94
1	4 225 86 4 225 87	Front terminals
1	4 225 88 4 225 89	Rear terminals
		"Debro-lift" mechanism
1	4 225 93 4 225 94	For DPX³ 1600
		To be fitted on a DPX³ 1600 fixed version in order to obtain the movable part of a draw-out circuit breaker
		Key-lock for "Debro-lift" mechanism
		Enable locking of DPX³ in drawn-out position
		Flat key n°HBA90GPS6149
	Flat key | Star key	Star key n°ABA90GEL6149
1	0 265 76 | 0 263 48	One key for DPX³ only
1	0 265 80 | 0 265 79	Two key (one key supplied) for motorised DPX³ or with rotary handle
		Accessories for "Debro-lift" mechanism
1	0 265 75	Handle for drawing-out
1	0 265 74	Signalling contact (plugged-in/drawn-out)
		Auxiliairy contacts
1	4 222 30	Automatic auxiliairy contacts for DPX³ draw-out version (up to 2 contacts by DPX³)
		Supply invertor type
		A supply invertor type is composed of one plate with interlock for 2 devices
1	0 264 10	Plate for MCCBs or trip-free switch fixed version
1	0 264 05	Plate for MCCBs or trip-free switch plug-in and draw-out version
		Rotary handles
		Direct on DPX³
1	0 262 61	Standard (black)
		Vari-depth handle IP 55
		Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism
1	0 262 83	Standard (black)
1	0 262 84	For emergency use (red/yellow)
		Locking accessories
1	0 262 93	Key barrel and flat key N° ABA90GEL6149
1	0 262 94	Key barrel and star key N° HBA90GPS6149

Pack	Cat.Nos	
		Motor-driven handles
		Factory assembled
		Front operated
1	0 261 54	230 V∿
		Customer assembled
		Front operated
1	0 261 24	24 V∿/⎓ for In ≤ 1250 A
1	0 261 25	48 V∿/⎓ for In ≤ 1250 A
1	0 261 26	110 V∿/⎓ for In ≤ 1250 A
1	0 261 23	230 V∿/⎓ for In ≤ 1250 A
1	0 261 19	24 V∿/⎓ for In = 1600 A
1	0 261 28	48 V∿/⎓ for In = 1600 A
1	0 261 29	110 V∿/⎓ for In = 1600 A
1	0 261 27	230 V∿/⎓ for In = 1600 A
		Locking accessories
1	0 261 59	Key and flat key N° ABA90GEL6149
1	0 261 58	Key and star key N° HBA90GPS6149
		Accessories
		Insulated shields
		Used to isolate the connections between each pole
1	0 262 66	Set of 3
	3P | 4P	**Sealable terminal shields**
1	0 262 64 | 0 262 65	Set of 2
		Padlock
1	0 262 60	For locking in "open" position
		Cage terminals
1	0 262 69	Set of 1 terminal for cables without lug 2 x 240 mm² for rigid cable or 2 x 185 mm² for flexible cable
1	0 262 70	Set of 1 high-capacity terminal for cables without lug 4 x 240 mm² for rigid cable 4 x 185 mm² for flexible cable
		Extended front terminals
		Set of 4
1	0 262 67	Short terminals for 630 - 1250 A (2 bars max. per pole)
1	0 262 68	Long terminals for 1600 A (3 bars max. per pole)
	3P | 4P	**Spreaders**
1	0 262 73 | 0 262 74	Set of incoming or outgoing spreaders
		Rear terminals
		Used to convert the fixed version with front terminals to the fixed version with rear terminals
		Set of incoming or outgoing rear terminals
1	0 263 80 | 0 263 82	Short terminals
1	0 263 81 | 0 263 83	Long terminals
		IP 20 terminal covers
1	4 225 90 | 4 225 91	Set of 2 terminal covers
		External neutral
1	4 225 92	External neutral

For the old range of accessories for DPX 1600 draw-out version **please consult us**

DPX³ 630 and 1600

common auxiliaries



0 261 93

Pack	Cat.Nos	
		Auxiliary contact or fault signal
1	4 210 11	For signalling the state of the contacts or opening of the MCCB on a fault For DPX³/DPX³-I/DPX-IS Changeover switch 3 A - 240 V~
		Releases
		Allow remote tripping of a DPX³
		Shunt releases
		For DPX-IS/DPX³-I and DPX³ Shunt inrush power 300 VA
1	4 222 39	Colt voltage 24 V~ / ⎓
1	4 222 40	Colt voltage 48 V~ / ⎓
1	4 222 41	Colt voltage 110 V~ / ⎓
1	4 222 42	Colt voltage 230 V~ / ⎓
1	4 222 43	Colt voltage 400 V~ / ⎓
		Undervoltage releases
		For DPX-IS/DPX³-I and DPX³ Shunt inrush power 300 VA
1	4 222 44	Colt voltage 24 V⎓
1	4 222 45	Colt voltage 24 V~
1	4 222 46	Colt voltage 48 V~ / ⎓
1	4 222 47	Colt voltage 110 V~ / ⎓
1	4 222 48	Colt voltage 230 V~ / ⎓
1	4 222 49	Colt voltage 400 V~ / ⎓
		Automation control unit
		Can control supply inversion between two cricuit breakers, manage generator start / stop, control single-phase, two-phase and three-phase networks, control phase-phase voltages For DPX, DPX³ and DMX³ circuit breakers Power supply: 230 V~ or 12/24/48 V⎓ Plug-in terminals
1	0 261 93	Standard unit
1	0 261 94	Communicating unit, enabling data transmission (RS 485 port)

DPX³ 160, 250, 630 and 1600

power supply system



0 261 78



0 261 56

Pack	Cat.Nos	
		Auxiliary power supply for DPX³
1	4 210 83	For supplying DPX³ electronic units when the circuit breaker is open or when the current passing through it is insufficient Input voltage 24 V~ / ⎓ 2 modules Output 250 mA: can supply several circuit breakers Consumption: - Thermal-magnetic DPX³ with residual current protection: 42 mA - Electronic DPX³: 30 mA - Electronic DPX³ with measurement: 54 mA - Electronic DPX³ with residual current protection: 54 mA - Electronic DPX³ with residual current protection and measurement: 54 mA
		RS485 Modbus communication interface
		DPX3 electronic interface
1	4 210 75	For connecting thermal-magnetic DPX³ with residual current protection and electronic DPX³ to an RS485 Modbus communication network All the information managed by the circuit breaker's electronic card will be shared on the Modbus network Dimension: 2 modules Power supply: 24 V~ / ⎓ RS 485 link (2-wire) Address, speed and coding can be modified with configurator kit
		Modular power supply
	0 035 67	230 V~ - 27 V⎓ - 0.6 A 2 modules
		Communication and supervision
		Web servers
		Enable remote viewing, via a web browser on PCs, smartphones, web viewers, tablet computers such as iPads, Archos, etc., of values collected on electricity meters and multi-function measuring units (p. 85)
1	0 261 78	For 32 metering points (meters or multi-function measuring units)
1	0 261 79	For an unlimited number of metering points (meters or multi-function measuring units)
		Legrand Software
		For displaying the values collected from electricity meters or multi-function measuring units on a PC connected to the network
1	0 261 88	For 32 metering points (supplied on CD)
1	0 261 89	For an unlimited number of metering points (supplied on CD)
		Panel board display
1	0 261 56	Allows to chek information comming from different protection devices: DX³-HP, DPX³, DMX³ or EMDX³ Can manage up to 8 devices Power supply: 18-30 V⎓ For mounting on door or solid faceplate Door cut: 96 x 96 mm

Power supply system
p. 87

Residual current relay and coils



0 260 88



0 260 98



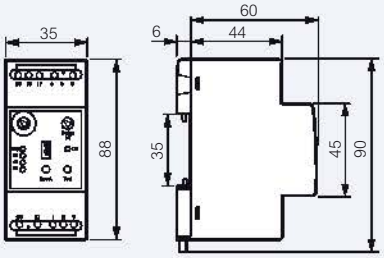
0 260 93 coil for use with relay

Add residual current protection to DPX trip-free switches and DPX MCCBs equipped with release

Pack	Cat.Nos	**Residual current relay**	
		Detects fault currents, and, when used with a shunt trip or an undervoltage release, it gives the trip command to a MCCB or a switch • Comprises: - a tinged, sealable window - an auxiliary contact - a green Led indicating energisation - 3 yellow Leds indicating respectively the max. phase earth insulation current: 20, 40 and 60 % - a red Led indicating Fixed: exceeding of the insulation fault current value Flashing: breaking of one of the connections between coils and relays • For use with coils: - Ø35 and 80 mm Adjustable sensitivity: 0.03, 0.05, 0.075, 0.1, 0.15, 0.2, 0.3, 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A - Ø110 to 210 mm Adjustable sensitivity: 0.3, 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A - Ø150 mm Adjustable sensitivity: 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A - Ø300 mm Adjustable sensitivity: 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A • Adjustable trip: 0, 0.15, 0.25, 0.5, 1, 2.5, 5 seconds • Supply voltage: 230/240 V - 50/60 Hz	Number of modules
1	0 260 88	Residual current relay to clip on rail ⊔	2
		Coils	
		For use with residual current relay Cat.No 0 260 88 1 coil per DPX	
1	0 260 92	Coil Ø35 mm	
1	0 260 93	Coil Ø80 mm	
1	0 260 94	Coil Ø110 mm	
1	0 260 95	Coil Ø140 mm	
1	0 260 96	Coil Ø210 mm	
1	0 260 97	Coil Ø150 mm - open	
1	0 260 98	Coil Ø300 mm - open	

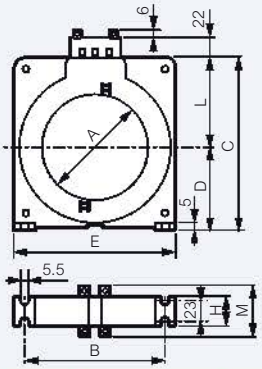
Residual current relay

Cat.No 0 260 88

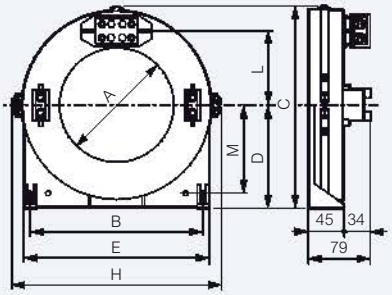


Coils

Cat.Nos 0 260 92/93/94/95/96

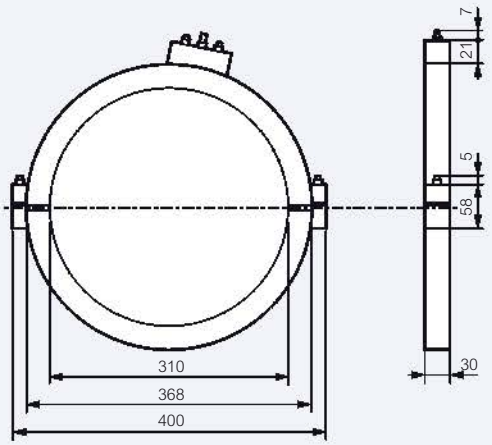


Cat.No 0 260 97



Cat.Nos	A	B	C	D	E	H	L	M
0 260 92	35	75	85	42	92	36	43	56
0 260 93	80	108	132	67	125	36	65	56
0 260 94	110	148	170	86	165	36	84	56
0 260 95	140	177	206	104	200	36	102	56
0 260 96	210	270	295	150	290	44	145	64
0 260 97	150	225	259	133	245	275	95	113

Cat.No 0 260 98



Air circuit breakers DMX³ 2500 and 4000

from 800 to 4000 A



0 286 56 + 0 288 02 (p. 141)



0 286 74 + 0 288 02 (p. 141)



0 287 56 + 0 288 02 (p. 141)

Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Automatic air circuit breakers must be equipped with electronic protection unit (p. 141), imperatively ordered together for factory assembly
Please ask for DMX³ order form

Pack	Cat.Nos	Fixed version
		Supplied with - 4 auxiliary contacts: NO/NC - rear terminals for horizontal connection with bars - door sealing
		DMX³ - N 2500
	Frame 1 3P | 4P	Breaking capacity Icu 50 kA (415 V~) In (A)
1	0 286 21 | 0 286 31	800
1	0 286 22 | 0 286 32	1000
1	0 286 23 | 0 286 33	1250
1	0 286 24 | 0 286 34	1600
1	0 286 25 | 0 286 35	2000
1	0 286 26 | 0 286 36	2500
		DMX³ - H 2500
	Frame 1 3P | 4P	Breaking capacity Icu 65 kA (415 V~) In (A)
1	0 286 41 | 0 286 51	800
1	0 286 42 | 0 286 52	1000
1	0 286 43 | 0 286 53	1250
1	0 286 44 | 0 286 54	1600
1	0 286 45 | 0 286 55	2000
1	0 286 46 | 0 286 56	2500
		DMX³ - L 2500
	Frame 2 3P | 4P	Breaking capacity Icu 100 kA (415 V~) In (A)
1	0 286 61 | 0 286 71	800
1	0 286 62 | 0 286 72	1000
1	0 286 63 | 0 286 73	1250
1	0 286 64 | 0 286 74	1600
1	0 286 65 | 0 286 75	2000
1	0 286 66 | 0 286 76	2500
		DMX³ - N 4000
	Frame 2 3P | 4P	Breaking capacity Icu 50 kA (415 V~) In (A)
1	0 286 27 | 0 286 37	3200
1	0 286 28 | 0 286 38	4000
		DMX³ - H 4000
	Frame 2 3P | 4P	Breaking capacity Icu 65 kA (415 V~) In (A)
1	0 286 47 | 0 286 57	3200
1	0 286 48 | 0 286 58	4000
		DMX³ - L 4000
	Frame 2 3P | 4P	Breaking capacity Icu 100 kA (415 V~) In (A)
1	0 286 67 | 0 286 77	3200
1	0 286 68 | 0 286 78	4000

Pack	Cat.Nos	Draw-out version
		Supplied with: - 4 auxiliary contacts: NO/NC - draw-out base and kit - flat rear terminals for connection with bars - door sealing
		DMX³ - N 2500
	Frame 1 3P | 4P	Breaking capacity Icu 50 kA (415 V~) In (A)
1	0 287 21 | 0 287 31	800
1	0 287 22 | 0 287 32	1000
1	0 287 23 | 0 287 33	1250
1	0 287 24 | 0 287 34	1600
1	0 287 25 | 0 287 35	2000
1	0 287 26 | 0 287 36	2500
		DMX³ - H 2500
	Frame 1 3P | 4P	Breaking capacity Icu 65 kA (415 V~) In (A)
1	0 287 41 | 0 287 51	800
1	0 287 42 | 0 287 52	1000
1	0 287 43 | 0 287 53	1250
1	0 287 44 | 0 287 54	1600
1	0 287 45 | 0 287 55	2000
1	0 287 46 | 0 287 56	2500
		DMX³ - L 2500
	Frame 2 3P | 4P	Breaking capacity Icu 100 kA (415 V~) In (A)
1	0 287 61 | 0 287 71	800
1	0 287 62 | 0 287 72	1000
1	0 287 63 | 0 287 73	1250
1	0 287 64 | 0 287 74	1600
1	0 287 65 | 0 287 75	2000
1	0 287 66 | 0 287 76	2500
		DMX³ - N 4000
	Frame 2 3P | 4P	Breaking capacity Icu 50 kA (415 V~) In (A)
1	0 287 27 | 0 287 37	3200
1	0 287 28 | 0 287 38	4000
		DMX³ - H 4000
	Frame 2 3P | 4P	Breaking capacity Icu 65 kA (415 V~) In (A)
1	0 287 47 | 0 287 57	3200
1	0 287 48 | 0 287 58	4000
		DMX³ - L 4000
	Frame 2 3P | 4P	Breaking capacity Icu 100 kA (415 V~) In (A)
1	0 287 67 | 0 287 77	3200
1	0 287 68 | 0 287 78	4000

Air circuit breakers DMX³ 6300

5000 and 6300 A



0 289 51 + 0 288 02

Dimensions **see e-catalogue**
Electrical characteristics **see e-catalogue**

Automatic air circuit breakers must be equipped with electronic protection unit, imperatively ordered together for factory assembly
Please ask for DMX³ order form

Fixed version

Supplied with
- 4 auxiliary contacts: NO/NC
- rear terminals for horizontal connection with bars
- door sealing

DMX³ - L 6300

Breaking capacity Icu 100 kA (415 V~)

Pack	Cat.Nos		
	Frame 3		
	3P	4P	In(A)
1	0 289 50	0 289 60	5000
1	0 289 51	0 289 61	6300

Draw-out version

Supplied with:
- 4 auxiliary contacts: NO/NC
- draw-out base and kit
- flat rear terminals for connection with bars
- door sealing

DMX³ - L 6300

Breaking capacity Icu 100 kA (415 V~)

Pack	Cat.Nos		
	Frame 3		
	3P	4P	In(A)
1	0 289 52	0 289 62	5000
1	0 289 53	0 289 63	6300

For detailed dimensions of DMX³ range, **see e-catalogue**

Electronic protection units for DMX³



0 288 02

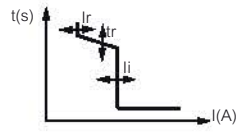


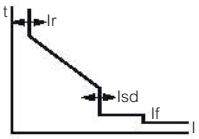
0 288 03

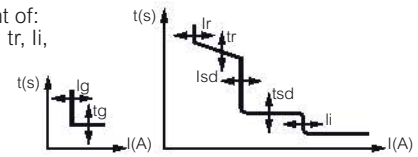
Settings and curves **see e-catalogue**

DMX³ circuit breakers must be equipped with electronic protection units (to be ordered together for factory assembly) enabling very precise adjustments of the protection conditions, while maintaining total discrimination with downstream devices
All protection units are equipped with batteries for powering in case of mains fault or when the breaker is open or not connected

Pack	Cat.Nos	MP4 protection units with LCD screen
		Integrated LCD screen for displaying electrical values, settings and log Adjustment via selector switches
		LI protection unit
1	0 288 00	Adjustment of: Ii, Ir, tr
		LSI protection unit
1	0 288 01	Adjustment of: Isd, tsd, Ir, tr and Ii
		LSIg protection unit
1	0 288 02	Adjustment of: Isd, tsd, Ir, tr, Ii, Ig and tg







		MP6 touch screen protection units
		Measure and display instantaneous, maximum and average values of different electrical values and protection conditions Fault signallling and log
		LSI protection unit
1	0 288 03	Adjustment of: Isd, tsd, Ir, tr and Ii
		LSIg protection unit
1	0 288 04	Adjustment of: Isd, tsd, Ir, tr, Ii, Ig and tg

		Accessories for electronic protection units
1	0 288 05[1]	Communication option for DMX³ electronic protection units
1	0 288 06	24 V DC external auxiliary power supply
1	0 288 10[1]	External neutral for DMX³ 6300
1	0 288 11[1]	External neutral for DMX³ 2500 and 4000
1	0 288 12[1]	Module programmable output

1: Optional accessories, to be ordered when ordering electronic protection unit and DMX³ air circuit breakers for factory assembly

Trip free switches DMX³-I

from 1250 to 6300 A



0 286 96



0 287 96

Dimensions **see e-catalogue**

Pack	Cat.Nos		
			Fixed version
			Supplied with: - 4 auxiliary contacts: NO/NC - flat rear terminals for connection with bars - door sealing
	Frame 1		**DMX³-I 2500**
	3P	4P	In (A)
1	0 286 83	0 286 93	1250
1	0 286 84	0 286 94	1600
1	0 286 85	0 286 95	2000
1	0 286 86	0 286 96	2500
	Frame 2		**DMX³-I 4000**
	3P	4P	In (A)
1	0 286 87	0 286 97	3200
1	0 286 88	0 286 98	4000
	Frame 3		**DMX³-I 6300**
	3P	4P	In (A)
1	0 289 70	0 289 71	6300
			Draw-out version
			Supplied with: - 4 auxiliary contacts: NO/NC - draw-out base and kit - flat rear terminals for connection with bars - door sealing
	Frame 1		**DMX³-I 2500**
	3P	4P	In (A)
1	0 287 83	0 287 93	1250
1	0 287 84	0 287 94	1600
1	0 287 85	0 287 95	2000
1	0 287 86	0 287 96	2500
	Frame 2		**DMX³-I 4000**
	3P	4P	In (A)
1	0 287 87	0 287 97	3200
1	0 287 88	0 287 98	4000
	Frame 3		**DMX³-I 6300**
	3P	4P	In (A)
1	0 289 77	0 289 78	6300

For detailed dimensions of DMX³-I range, **see e-catalogue**

Trip free switches DMX³-I

from 1250 to 6300 A

Technical characteristics

Trip free switch DMX³-I		2500	4000	6300
Frame		1	2	3
Rating In à 40° C (A)		1250 1600 2000 2500	3200 4000	6300
Rated insulation voltage Ui (V)		1000	1000	1000
Rated impulse withstand voltage Uimp (kV)		12	12	12
Rated operational voltage (50/60Hz) Ue (V)		690	690	690
Isolation behaviour		Yes	Yes	Yes
Short-circuit making capacity Icm (kA)	230 V~	143	220	220
	415 V~	143	220	220
	500 V~	143	220	220
	600 V~	132	165	165
	690 V~	121	143	143
Short time withstand current Icw (kA) pour t = 1 s	230 V~	65	85	100
	415 V~	65	85	100
	500 V~	65	85	100
	600 V~	60	75	75
	690 V~	55	65	65
Endurance (cycles)	mechanical	10000	10000	5000
	electrical	5000	5000	2500
Temperature	operation	-5°C to +70°C	-5°C to +70°C	-5°C to +70°C
	storage	-25°C to +85°C	-25°C to +85°C	-25°C to +85°C

Temperature derating

Fixed version

	Temperature									
	40°C		50°C		60°C		65°C		70°C	
	Imax (A)	Ir / In	Imax (A)	Ir / In	Imax (A)	Ir / In	Imax (A)	Ir / In	Imax (A)	Ir / In
DMX³-I 2500	1250	1	1250	1	1250	1	1250	1	1250	1
	1600	1	1600	1	1600	1	1600	1	1600	1
	2000	1	2000	1	1960	0.98	1920	0.96	1880	0.94
	2500	1	2450	0.98	2350	0.94	2250	0.9	2150	0.86
DMX³-I 4000	3200	1	3200	1	3200	1	3136	0.98	3008	0.94
	4000	1	3920	0.98	3680	0.92	3440	0.86	3120	0.78
DMX³-I 6300	6300	1	6300	1	6048	0.96	5796	0.92	5544	0.88

Draw-out version

	Temperature									
	40°C		50°C		60°C		65°C		70°C	
	Imax (A)	Ir / In	Imax (A)	Ir / In	Imax (A)	Ir / In	Imax (A)	Ir / In	Imax (A)	Ir / In
DMX³-I 2500	1250	1	1250	1	1250	1	1250	1	1250	1
	1600	1	1600	1	1600	1	1600	1	1600	1
	2000	1	2000	1	1960	0.98	1920	0.96	1875	0.94
	2500	1	2400	0.96	2250	0.9	2100	0.84	1950	0.78
DMX³-I 4000	3200	1	3200	1	3200	1	3072	0.96	2880	0.9
	4000	1	3760	0.94	3440	0.86	3200	0.8	2960	0.74
DMX³-I 6300	6300	1	6174	0.98	5985	0.95	5796	0.92	5292	0.84

Auxiliaries and accessories for DMX³


0 288 51


0 288 58


0 288 37


0 288 44


0 288 15

Pack	Cat.Nos	Control and signalling auxiliaries
		Shunt trip
		When energised the circuit breaker will be tripped
1	0 288 48	24 V~/⎓
1	0 288 49	48 V~/⎓
1	0 288 50	110 - 130 V~/⎓
1	0 288 51	220 - 250 V~/⎓
1	0 288 52	415 - 480 V~
		Undervoltage releases
		When the coil is de-energised, the circuit breaker will be tripped
1	0 288 55	24 V~/⎓
1	0 288 56	48 V~/⎓
1	0 288 57	110 - 130 V~/⎓
1	0 288 58	220 - 250 V~/⎓
1	0 288 59	415 - 480 V~
		Module for delayed tripping
		To be used with above undervoltage releases
1	0 288 62	110 V~/⎓
1	0 288 63	230 V~/⎓
		Motor operators
		To motorize a DMX, it is possible to attach, to the motor operators, a release coil (undervoltage or trip on energising) and a closing coil
1	0 288 34	24 V~/⎓
1	0 288 35	48 V~/⎓
1	0 288 36	110 - 130 V~/⎓
1	0 288 37	220 - 250 V~/⎓
1	0 288 38	415 - 440 V~
1	0 288 40	480 V~/⎓
		Closing coils
		Enables remote closing of the circuit breaker if the closing spring is charged
1	0 288 41	24 V~/⎓
1	0 288 42	48 V~/⎓
1	0 288 43	110 - 130 V~/⎓
1	0 288 44	220 - 250 V~/⎓
1	0 288 45	415 - 480 V~
		Signalling contact for auxiliaries
1	0 288 16	Signalling contact for shunt trips, undervoltage releases and closing coils
		Signalling contact for draw-out version
		Inserted / test / draw-out signalling contact
1	0 288 13	3 changeover contacts per position

Pack	Cat.Nos	Locking
		Key locking in "open" position
1	0 288 30	Lock and star key N° HBA90GPS6149 - to be fitted on the frame Cat.No 0 288 28
1	0 288 31	Lock and flat key N° ABA90GEL6149 - to be fitted on the frame Cat.No 0 288 28
1	0 288 28	2 hole support frame for locks Cat.Nos 0 288 30/31
1	0 288 29	Set of 5 key barrels with flat key
		Key locking in the draw-out position
		Mounting of the lock on the base
1	0 288 32	Lock and star key N° HBA90GPS6149
1	0 288 33	Lock and flat key N° ABA90GEL6149
		Door locking
		Prevents opening of the door with the circuit breaker closed
1	0 288 20	Left-hand and right-hand side mounting
		Padlocks in "open" position
1	0 288 21	Padlocking system for ACB (padlock not supplied)
1	0 288 24	Padlock for buttons
1	0 288 26	Padlocking system for shutters (padlock not supplied)

Pack	Cat.Nos 3P	Cat.Nos 4P	Equipment for conversion of a fixed device into draw-out device
			Bases for draw-out device
1	0 289 02	0 289 03	For DMX³/DMX³-I frame 1
1	0 289 04	0 289 05	For DMX³/DMX³-I frame 2
1	0 289 13	0 289 14	For DMX³/DMX³-I frame 3
			Transformation kit for draw-out version
1	0 289 09	0 289 10	For DMX³/DMX³-I frame 1
1	0 289 11	0 289 12	For DMX³/DMX³-I frame 2
1	0 289 15	0 289 16	For DMX³/DMX³-I frame 3

Pack	Cat.Nos	Accessories
1	0 288 25	Rating mis-insertion device
		Prevents the insertion of a draw-out circuit breaker in an incompatible base
1	0 288 23	Operations counter
		Counts total number of operation cycles of the device
1	0 288 14	Contact "ready to close" with charged springs
1	0 288 15	Additional signalling contact
1	0 288 79	Lifting plate

Supply invertors equipment for DMX³



0 261 93



0 288 64

Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Automation control unit
		Can control supply inversion between two cricuit breakers, manage generator start / stop, control single-phase, two-phase and three-phase networks, control phase-phase voltages For DPX, DPX³ and DMX³ circuit breakers Power supply : 230 V~ or 12/24/48 V⎓ Plug-in terminals
1	0 261 93	Standard unit
1	0 261 94	Communicating unit, enabling data transmission (RS 485 port)

Pack	Cat.Nos	Equipment for supply invertors
		The mechanical interlock is set up using cables and can interlock 2 or 3 devices, which may be different type in a vertical or horizontal configuration The interlock unit is mounted on the right-hand side of the device Cable interlock to be ordered separately (cable lenght to be specified according to every configuration - see below)
1	0 288 64	Interlock for DMX³ frame 1
1	0 288 65	Interlock for DMX³ frame 2
1	0 288 66	Interlock for DMX³ frame 3

Pack	Cat.Nos	Cable interlock
1	0 289 20	Type 1 (2600 mm)
1	0 289 21	Type 2 (3000 mm)
1	0 289 22	Type 3 (3600 mm)
1	0 289 23	Type 4 (4000 mm)
1	0 289 24	Type 5 (4600 mm)
1	0 289 25	Type 6 (5600 mm)

Rear terminals for DMX³



0 288 84



0 288 82



0 288 96



0 288 94



0 288 91

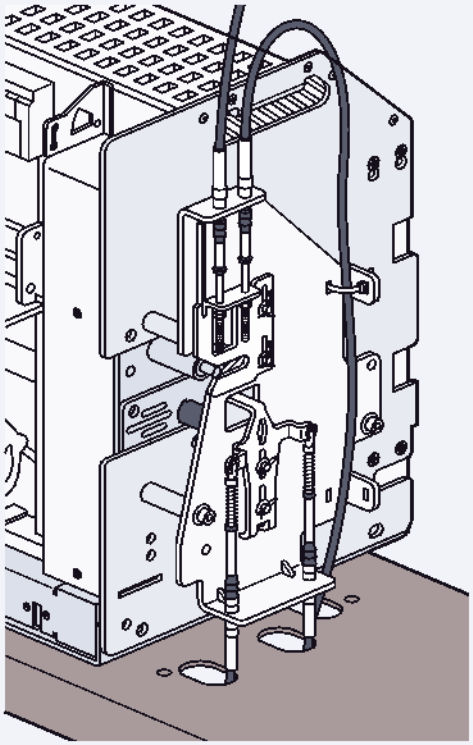
Dimensions **see e-catalogue**

Pack	Cat.Nos 3P	Cat.Nos 4P	Rear terminals
			For DMX³ frame 1 fixed version
1	0 288 84	0 288 85	For flat connection with bars To be fixed onto horizontal rear terminals of the circuit breaker
1	0 288 82	0 288 83	For vertical connection with bars Those terminals are used in order to transform a flat connection into a vertical one To be fixed onto Cat.Nos 0 288 84/85 according to the number of poles
			For DMX³ frame 1 draw-out version
1	0 288 96	0 288 97	For vertical or horizontal connection with bars To be fixed onto plate rear terminals of the circuit breaker
			For DMX³ frame 2 and 3 fixed version
1	0 288 92	0 288 93	For flat connection with bars To be fixed onto horizontal rear terminals of the circuit breaker 2 sets are required for frame 3
			For DMX³ frame 2 and 3 fixed or draw-out version
1	0 288 94	0 288 95	On DMX³ fixed version: - For vertical connection with bars - To be fixed onto Cat.Nos 0 288 92/93 according to the number of poles On DMX³ draw-out version: - For vertical or horizontal connection with bars - To be fixed directly onto plate rear terminals of the circuit breaker 2 sets are required for frame 3

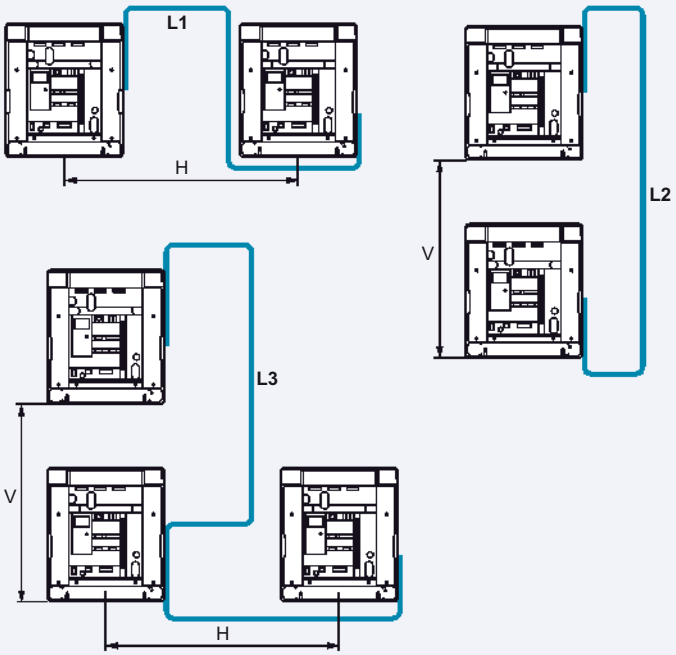
Pack	Cat.Nos 3P	Cat.Nos 4P	Spreaders for DMX³ frame 1 fixed version
			To be fixed onto horizontal rear terminals of the circuit breaker
1	0 288 86	0 288 87	For flat connection with bars
1	0 288 88	0 288 89	For vertical connection with bars
1	0 288 90	0 288 91	For horizontal connection with bars

Power supervision system
p. 87

Mounting of interlock unit



Choice of cable interlock



Calculation of cable length:
L1 = 1430 + H
L2 = 1570 + V
L3 = 1430 + V + H

Functions

Standard unit Cat.No 0 261 93

Used to adjust and manage the source inversion operating conditions (DMX³):
- Remote control (opening/closing) of MCBs
- Microprocessor output from unit (positive safety)
- Programmable I/O
- Voltage reading: 3-phase
  phase-neutral
  phase-phase
- Control (on/off) of generator set
- Indication of the state of the MCBs (open/closed/tripped)
- Source inversion blocked in the event of:
  • Tripping of 1 or 2 devices
  • If a draw-out ACB is not inserted in its base, as the open/close command of the unit is inoperative

Communicating unit Cat.No 0 261 94

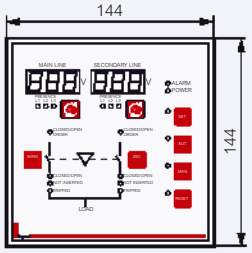
All the standard functions, plus:
- Maximum voltage reading
- Reading of phase rotation direction
- Frequency reading
- Communication: data transmission via the RS 485 port (Modbus protocol)

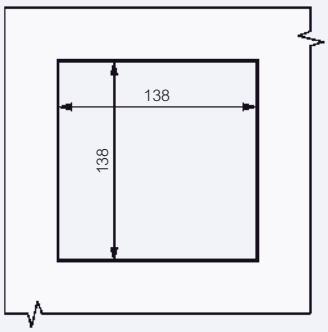
Technical characteristics

Power supply: 187 to 264 V~
9 to 65 V⎓
Frequency: 45 to 65 Hz
Un: 80 to 690 V~
Control relay (1 and 4): 1 NO - 12 A - 250 V~
1 NO - 5 A - 250 V~
1 NO/NC - 5 A - 250 V~
Cable cross-section: 0.2 to 2.5 mm²
Dimensions (width x height x depth): 144 x 144 x 90 mm
Protection: IP 20 at the rear
IP 41 at the front
IP 54 at the front with protective screen
Operating temperature: - 20 °C to + 60 °C

	Operating ranges
Main/secondary minimum voltage range	70-98 % Un
Main/secondary voltage absence range	60-85 % Un
Main/secondary minimum voltage delay	0.1-900 s
Main/secondary voltage absence delay	0.1-30 s
Generator operating delay	0-900 s
Main to secondary switching delay	0.1-90 s
Main line presence delay	1-3600 s
Secondary to main switching delay	0.1-90 s
Generator set stopping delay	1-3600 s

Dimensions and panel board faceplate cut-out





Vistop™ isolating switches

32 to 160 A



0 225 05



0 225 15

Safety switches for on-load circuit breaking by visible isolation of the contacts
Double break type load switching with self cleaning contacts by rapid make and break movements
Fixing on rail ⎍ EN 60715 or screw fixing (only on rail for Vistop 63 A)
Padlockable handle in open position: 1 to 3 padlocks Cat.No 0 227 97 (p. 61)
2 versions for mounting on faceplate:
• right side handle, supplied with seal to maintain the IP protection for the enclosures (up to IP 55), screws, self adhesive drilling template, extension rod (30 to 170 mm) for creating an external angle
• direct front handle or external (for Vistop 63 to 160 A)

32 A

Pack	Cat.Nos Front handle	Cat.Nos Side handle		Connection	No of 17.5 mm modules
1	0 224 98	0 225 03	2P	16 mm² cage terminals	4 + 3.5
1	0 225 00	0 225 05	3P		4 + 3.5
1	0 225 02	0 225 07	4P		5 + 4.5

63 to 160 A

Possibility to add auxiliary contact Cat.No 0 227 07

Pack	Front handle	Side handle		Connection	No of 17.5 mm modules
63 A					
1	0 225 12	0 225 16	3P	cage terminals	7
1	0 225 15	0 225 18	4P		7
100 A					
1	0 225 20	0 225 25	3P	key 6 sides	7.5
1	0 225 22	0 225 27	4P		9
125 A					
1	0 225 34	0 225 44	3P	key 6 sides	7.5
1	0 225 39	0 225 46	4P		9
160 A					
1	0 225 51	0 225 54	3P	key 6 sides	7.5
1	0 225 53	0 225 56	4P		9

Accessories

Pack	Cat.Nos		Connection (mm²)
		Front external handle for Vistop 63 to 160 A	
1	0 227 32	Comprising: connection rod, bracket, self-adhesive drilling template, fixing accessories (including a seal to maintain the IP protection of enclosure up to IP 55) and locking mechanism to prevent opening of the door when the circuit is closed Door distance 35 to 470 mm	
		Auxiliary signalling contacts IP 2X - 5 A - 250 V To be fitted inside Vistop isolating switches	
1	0 227 04	Main contact NO + NC	lug 2.58
1	0 227 07	Additional contact NO + NC To be fitted on main contact Cat.No 0 227 04 in order to obtain 2 NO + 2 NC	lug 2.58

For detailed dimensions, **see e-catalogue**

Vistop™ isolating switches

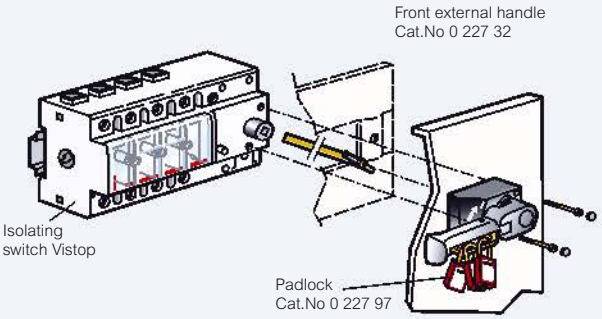
32 to 160 A

Conform to standards EN / IEC 60947-3, BS EN 60947-3, VDE 0660, NBN EN 60947-3, CNOMO E03 - 15-611 R, Veritas approved
Glass fibre reinforced insulating casing, self-extinguishing at 960 °C (IEC EN 60695-2-1)
Handle can be padlocked in open position using 1 to 3 padlocks Ø6 mm

Electrical characteristics

Thermal rating (Ith)		32 A	63 A	100 A	125 A	160 A
Terminals		cage	cage	cage	cage	cage
Connection	Cu (flexible)	4 to 35²		4 to 35²		
	Cu (rigid)	4 to 50²		4 to 70²		
Insulating voltage (Ui)		690 V~	690 V~	690 V~	690 V~	800 V~
Impulse resistant voltage (Uimp)		8 kV	8 kV	8 kV	8 kV	8 kV
AC 22 A(1)	400 V	32 A (17 kW)	63 A (35 kW)	100 A (55 kW)	125 A (70 kW)	160 A (88 kW)
AC 23 A(1)	500 V	32 A (20 kW)(2) 20 A (14 kW)	63 A (44 kW)	100 A (69 kW)	125 A (87 kW)	160 A (110 kW)
	690 V	-	40 A (38 kW)	100 A (96 kW)	125 A (120 kW)	125 A (120 kW)
DC 22 A/250 V(1)(3)		*	100	125	125	
DC 23 A/250 V(1)(3)		*	100	125	125	
Breaking capacity (Icu) (kA peak)		5	15	15	15	15
1 s resistant current (kA rms) (Icw)		0.5	2.5	3.5	3.5	3.5
Icc with fuses (kA rating)		100	100	100	100	80
Fuse rupture capacity		32 A (gG) 20 A (aM)	63 A	100 A (gG) 63 A (aM)(4)	125 A (gG) 125 A (aM)(4)	160 A (gG) 125 A (aM)
Short circuit capacity (kA prospective peak) (Icm)		0.75	7	12	12	12
Mechanical endurance (No of operations)		> 10000	> 30000	> 30000	> 30000	> 30000
Index of protection		IP 2X (16 mm² IP 3X under front plat)	IP 2X B (IP 3X C under front plates) from 6 mm²	IP 2X B (IP 3X C under front plate) from 10 mm²		

Example of mounting with Vistop 100 to 160 A



1: Test according to IEC 60947-3
AC 22 A / DC 22 A: resistive motor breaking
AC 23 A / DC 23 A: inductive motor breaking
2: 32 A (20 kW) for AC 22 A
20 A (14 kW) for AC 23 A
3: No of breaking contacts: 2
4: 100 A (aM) with blade type cartridge fuses

DPX™-IS 250 isolating switches

63 to 250 A



0 266 37



0 266 47

Dimensions **see e-catalogue**
Electrical characteristics **p. 150**

Isolating switches for on-load circuit breaking by visible isolation and positive action of the contacts
Padlock integrated in the handle
Connection with cage terminals
Supplied with terminal shields
Conform to IEC 60947-3
Category of use AC 23 A
Accept electrical auxiliaries (p. 149)
Can be mounted on rail ⊔ or on plate in XL³ enclosures

Pack	Cat.Nos 3P	Cat.Nos 4P	DPX-IS with release
			Can be associated with a residual current relay with separate coils (p. 139), supplied without shunt trip
			Front handle
1	0 266 30	0 266 34	63 A
1	0 266 31	0 266 35	100 A
1	0 266 32	0 266 36	160 A
1	0 266 33	0 266 37	250 A
			Right-hand side handle
1	0 266 40	0 266 44	63 A
1	0 266 41	0 266 45	100 A
1	0 266 42	0 266 46	160 A
1	0 266 43	0 266 47	250 A
			Left-hand side handle
1	0 266 50	0 266 54	63 A
1	0 266 51	0 266 55	100 A
1	0 266 52	0 266 56	160 A
1	0 266 53	0 266 57	250 A

Pack	Cat.Nos 3P	Cat.Nos 4P	DPX-IS without release
			Front handle
1	0 266 02	0 266 06	160 A
1	0 266 03	0 266 07	250 A
			Right-hand side handle
1	0 266 12	0 266 16	160 A
1	0 266 13	0 266 17	250 A
			Left-hand side handle
1	0 266 22	0 266 26	160 A
1	0 266 23	0 266 27	250 A

Pack	Cat.Nos	Mounting on rail ⊔
		Rail ⊔ fixing plate
1	0 262 39	For DPX-IS 250

Pack	Cat.Nos	Rotary handles
		Direct for emergency use
		For mounting instead of standard handle
1	0 266 89	Front and right-hand side handle
1	0 266 90	Left-hand side handle
		Vari-depth handle IP 55
		Comprising: connecting rod, bracket, self-adhesive drilling template, fixing accessories (seal to maintain the IP protection up to IP 55, door lock mechanism)
1	0 266 86	For front and side handle device
1	0 266 87	For front and side handle device for emergency use
		To be ordered with Cat.Nos 0 266 89 or 0 266 90

Pack	Cat.Nos	Accessories
		Cage terminals
1	0 262 88[1]	Set of 4 For cable 185 mm² (rigid) or 150 mm² (flexible) for DPX 250 ER and DPX-IS 250
		Spreaders
1	0 273 22	Set of upstream and downstream spreaders
		Rear terminals
		Used to convert the fixed version with front terminals to the fixed version with rear terminals
1	3P 0 265 10 / 4P 0 265 11	Set of upstream and downstream rear terminals
		Terminal shields
1	0 262 87	Set of 2
		Padlock
		For locking mechanism in open position (factory assembled)
1	0 266 92	Padlock with flat key N° ABA90GEL6149
		Interlock
1	0 266 94	Provides closing of 2 devices at the same time (factory assembled)

1: Can not be mounted on side by side mounted earth leakage modules 160 A

For detailed dimensions, **see e-catalogue**

XL³ mounting accessories, **p. 206, 217, 227**



DPX™-IS 630 isolating switches

400 to 630 A



0 266 62



0 266 70



0 262 50



0 262 51

Dimensions **see e-catalogue**
Electrical characteristics **p. 150**

Isolating switches for on-load circuit breaking by visible isolation and positive action of the contacts
Padlock integrated in the handle
Supplied with terminal shields, and cage terminals
Conform to IEC 60947-3
Category of use AC 23 A
Accept electrical auxiliaries (p. 149)
Can be mounted on plate in XL³ enclosures

Pack	Cat.Nos 3P	Cat.Nos 4P	DPX-IS with release
			Can be associated with a residual current relay with separate coil (p. 139), supplied without shunt trip
			Front handle
1	0 266 72	0 266 74	400 A
1	0 266 73	0 266 75	630 A
			Right-hand side handle
1	0 266 76	0 266 78	400 A
1	0 266 77	0 266 79	630 A
			Left-hand side handle
1	0 266 80	0 266 82	400 A
1	0 266 81	0 266 83	630 A

Pack	Cat.Nos 3P	Cat.Nos 4P	DPX-IS without release
			Front handle
1	0 266 60	0 266 62	400 A
1	0 266 61	0 266 63	630 A
			Right-hand side handle
1	0 266 64	0 266 66	400 A
1	0 266 65	0 266 67	630 A
			Left-hand side handle
1	0 266 68	0 266 70	400 A
1	0 266 69	0 266 71	630 A

Pack	Cat.Nos	Rotary handles
		Direct for emergency use
		For mounting instead of standard handle
1	0 266 89	Front and right-hand side handle
1	0 266 90	Left-hand side handle
		Vari-depth handle IP 55
		Comprising: connecting rod, bracket, self-adhesive drilling template, fixing accessories (seal to maintain the IP protection up to IP 55, door lock mechanism)
1	0 266 86	For front and side handle device
1	0 266 87	For front and side handle device for emergency use
		To be ordered with Cat.Nos 0 266 89 or 0 266 90

Pack	Cat.Nos	Accessories
		Cage terminals
1	0 262 50	Set of 4 terminals for cable 300 mm² max. (rigid) or 240 mm² max. (flexible)
1	0 262 51	Set of 4 high-capacity terminals for cable 2 x 240 mm² (rigid) or 2 x 185 mm² (flexible)
	3P / 4P	**Spreaders**
1	0 262 48 / 0 262 49	Set of incoming or outgoing spreaders
		Rear terminals
		Used to convert the fixed version with front terminals to the fixed version with rear
1	0 263 50 / 0 263 51	Set of incoming and outgoing swivel rear terminals
1	0 263 52 / 0 263 53	Set of incoming and outgoing flat rear terminals
		Sealable terminal shields
1	0 262 45	Set of 2
		Padlock
		For locking mechanism in open position
1	0 266 97	Padlock with flat key N° ABA90GEL6149

For detailed dimensions, **see e-catalogue**

DPX™-IS 1600 isolating switches

800 to 1600 A



0 265 98



0 262 65

Dimensions **see e-catalogue**
Electrical characteristics **p. 150**

Isolating switches for on-load circuit breaking by visible isolation and positive action of the contacts
Connection with cage terminals
Padlock integrated in the handle
Supplied with terminal shields
Conform to IEC 60947-3
Category of use AC 23 A
Accept electrical auxiliaries (opposite)
Can be mounted on plate in XL³ enclosures

Pack	Cat.Nos	
		DPX-IS with release
		Can be associated with a residual current relay with separate coil (p. 139), supplied without shunt release
	3P | 4P	**Front handle**
1	0 265 91 | 0 265 95	800 A
1	0 265 92 | 0 265 96	1000 A
1	0 265 93 | 0 265 97	1250 A
1	0 265 94 | 0 265 98	1600 A
		Van-depth handle
1	0 265 89	Standard
1	0 265 90	For emergency use
		Locking accessories
1	0 262 93	Key barrel and flat key N° ABA90GEL6149
1	0 262 94	Key barrel and star key N° HBA90GPS6149
		Accessories
		Cage terminals
1	0 262 69	Set of 1 terminal for cables without lug 2 x 240 mm² for rigid cable or 2 x 185 mm² for flexible cable
1	0 262 70	Set of 1 high-capacity terminal for cables without lug 4 x 240 mm² for rigid cable 2 x 185 mm² for flexible cable
	3P | 4P	**Spreaders**
1	0 262 73 | 0 262 74	Set of incoming or outgoing spreaders
		Rear terminals
		Used to convert the fixed version with front terminals to the fixed version with rear terminals Set of incoming and outgoing rear terminals
1	0 263 80 | 0 263 82	Short terminals
1	0 263 81 | 0 263 83	Long terminals
		Extended front terminals
1	0 262 67	Short terminals for 630 - 1250 A (2 bars max. per pole)
1	0 262 68	Long terminals for 1600 A (3 bars max. per pole)
	3P | 4P	**Sealable terminal shields**
1	0 262 64 | 0 262 65	Set of 2
		Insulation shields
		Used to isolate the connections between each pole
1	0 262 66	Set of 3

DPX™-IS auxiliaries



0 261 60



0 261 85

Pack	Cat.Nos	
		Auxiliary contact or fault signal
1	0 261 60	For signalling the state of the contacts or opening of the MCCB on a fault For DPX Changeover switch 3 A - 240 V~
		Releases
		Allow remote tripping of a DPX-IS
		Shunt releases
		Shunt inrush power 300 VA
1	0 261 64	Coil voltage 24 V~ / ⎓
1	0 261 65	Coil voltage 48 V~ / ⎓
1	0 261 66	Coil voltage 110 V~ / ⎓
1	0 261 67	Coil voltage 230 V~ / ⎓
1	0 261 68	Coil voltage 400 V~ / ⎓
	For DPX-IS 250 and 630 | For DPX-IS 1600	**Undervoltage releases**
		Undervoltage power consumption 5 VA
1	0 261 70 | 0 261 80	Coil voltage 24 V⎓
1	0 261 71 | 0 261 81	Coil voltage 24 V~
1	0 261 72 | 0 261 82	Coil voltage 48 V~ / ⎓
1	0 261 76 | 0 261 86	Coil voltage 110 V~ / ⎓
1	0 261 73 | 0 261 83	Coil voltage 230 V~ / ⎓
1	0 261 74 | 0 261 84	Coil voltage 400 V~ / ⎓
		Time-lag (ms) undervoltage releases
		Allow remote tripping of a DPX-IS Prevent false tripping in the event of AC supply microbreaks Require a time-lag module connected to the undervoltage releases below
1	0 261 90	Time-lag modules 230 V~ 3
1	0 261 91	Time-lag modules 400 V~ 3
1	0 261 75	Undervoltage releases For DPX-IS 250, 630
1	0 261 85	Undervoltage releases For DPX-IS 1600

For detailed dimensions,
see e-catalogue

DPX™-IS isolating switches

63 to 1600 A

Electrical characteristics

DPX-IS 250

Rating		63 A	100 A	160 A	250 A
Connection	Cu flexible	150 mm²			
	Cu rigid / Alu	185 mm²			
Copper bar		Width max. 28 mm			
Nominal rating (Ue)		690 V~ - 250 V⎓			
Rated insulation voltage (Ui)		800 V~			
Rated impulse withstand voltage (Uimp)		8 kV~			
AC 23 A	400 V~	63 A	100 A	160 A	250 A
	690 V~	63 A	100 A	160 A	250 A
AC 22 A	690 V~	63 A	100 A	160 A	250 A
Short-circuit making capacity (kA efficient) (Icm)		40 kA			
I admissible Is (Icw)		12 kA efficient			
I admissible with fuse (Icc)		100 kA efficient			
Max. rating of fuse	gG	63 A	100 A	160 A	250 A
	aM	63 A	100 A	160 A	160 A
Rated closing capacity on short circuit (kA peak) (Icm)		40 kA			
Endurance (cycles)	mechanical	25000 operations			
	electrical (AC 23 - 400 V~)	2500 operations			
Index of protection		IP 20 front panel			

DPX-IS 1600

Rating		800 A	1000 A	1250 A	1600 A
Connection	Cu flexible	2 x 185 mm² or 4 x 185 mm²			
	Cu rigid / Alu	2 x 240 mm² or 4 x 240 mm²			
Copper bar/lugs		50 mm or 80 mm			
Nominal rating (Ue)		690 V~			
Rated insulation voltage (Ui)		690 V~			
Rated impulse withstand voltage (Uimp)		8 kV~			
AC 23 A	400 V~	800 A	1000 A	1250 A	1600 A
	500 V~	800 A	1000 A	1250 A	1600 A
	690 V~	800 A	1000 A	1250 A	1600 A
DC 23 A	250 V~	800 A	1000 A	1250 A	1600 A
I admissible Is (Icw)		12 kA efficient			
I admissible with fuse (Icc)		100 kA efficient			
Max. rating of fuse	gG	800 A	1000 A	1250 A	1600 A
	aM	800 A	1000 A	1250 A	1600 A
Short-circuit making capacity (kA peak) (Icm)		40 kA			
Endurance	mechanical	10000			
	electrical (AC 23 - 400 V~) (Icm)	3000	3000	2000	2000
Index of protection		IP 20 front panel			

DPX-IS 630

Rating		400 A	630 A
Connection	Cu flexible	1 x 240 or 2 x 185 mm²	
	Cu rigid / Alu	1 x 300 or 2 x 240 mm²	
Copper bar		Width max. 32 mm	
Nominal rating (Ue)		690 V~	
Rated insulation voltage (Ui)		800 V~	
Rated impulse withstand voltage (Uimp)		8 kV~	
AC 23 A	400 V~	400 A	630 A
	500 V~	400 A	630 A
	690 V~	400 A	630 A
AC 22 A	690 V~	400 A	630 A
DC 23 A	250 V⎓	400 A	630 A
Rated closing capacity on short circuit (kA peak) (Icm)		40 kA	
I admissible Is (Icw)		20 kA efficient	
I admissible with fuse (kA efficient) (Icc)		100 kA	
Max. rating of fuse	gG	400 A	630 A
	aM	400 A	630 A
Endurance	mechanical	15000 operations	
	electrical (AC 23 - 400 V~)	1500 operations	
Index of protection		IP 20 front panel	

DPX³-I trip-free switches

160 to 1600 A

DPX³-I trip-free switches

160 to 1600 A



4 202 99

Dimensions **see e-catalogue**

Trip-free switches for on-load circuit breaking and isolation of low voltage electrical circuits
Can be associated to earth leakage modules or to corresponding DPX³ residual current relays
Mount on rail ⊥⌐ up to DPX³ 250 with plate Cat.No 4 210 72 (DPX³-I 160) and Cat.No 4 210 71 (DPX³ 250)
Conform to IEC 60947-3
Category of use AC 23 A
Connection identical to corresponding DPX³

Pack	Cat.Nos 3P	Cat.Nos 4P	In (A)
DPX³-I 160			
1	4 201 98	4 201 99	160
	4P with earth leakage module		
1	4 201 97		160
DPX³-I 250			
1	4 202 99	4 203 00	250
	4P with earth leakage module		
1	4 202 98		250
DPX³-I 630			
1	4 222 16	4 222 18	400
1	4 222 17	4 222 19	630
DPX³-I 1600			
1	4 224 90	4 224 94	630
1	4 224 91	4 224 95	800
1	4 224 92	4 224 96	1250
1	4 224 93	4 224 97	1600

Electrical characteristics

		DPX³-I 160	DPX³-I 250	DPX³-I 630	DPX³-I 1600
Rated operating voltage Ue (V)	50/60 Hz	690(1)	690(1)	690	690
	direct	250	250	250	250
Rated insulation voltage Ui (V~)		800	800	690	690
Rated impulse withstand voltage Uimp (kV)		8	8	8	8
Rated closing capacity on 400 V short circuit Icm (kA)		3	3	6.5(3) / 13(4)	40
Short-time resistive current t = 1 s Icw (kA)		1.7	1.7	4(3) / 7.6(4)	10(5) / 15(6) / 20(7)
Endurance (o.c. cycle)	mechanical	25000	25000	15000	10000
	electrical	8000	8000	5000	2000(2)
Conventional thermal current (A)		160	250	630	1600
Nominal current of use (A) AC 23 A (690 V~)		160 (160 V)	250 (250 V)	630	1600
DC 23 A (250 V~)		160	160	630	-

1: 500 V for DPX³-I with earth leakage module
2: Up to 1250 A
3: In = 400 A
4: In = 630 A
5: In = 800 A
6: In = 1250 A
7: In = 1600 A

Dimensions

Dimensions of DPX³-I identical to corresponding DPX³

DPX³-I	Dimensions
DPX³-I 160	DPX³ 160 (see e-catalogue)
DPX³-I 250	DPX³ 250 (see e-catalogue)
DPX³-I 630	DPX³ 630 (see e-catalogue)
DPX³-I 1600	DPX³ 1600 (see e-catalogue)

Choice of faceplates and distribution equipment

Equipment of DPX³-I identical to corresponding DPX³

Devices	XL³ 400	XL³ 800	XL³ 4000
DPX³/DPX³-I 160	(p. 206)	(p. 217, 218)	(p. 227, 228)
DPX³/DPX³-I 250	(p. 206)	(p. 217, 218)	(p. 227, 228)
DPX³/DPX³-I 630	(p. 207)	(p. 218)	(p. 228)
DPX³/DPX³-I 1600		(p. 218)	(p. 228)

DCX-M changeover switches

from 40 to 1600 A



4 311 21



4 311 24



4 311 26



4 311 29

Technical characteristics **see e-catalogue**

Conform to IEC EN 60947-3
Moulded case design with frame parts of non - flammable glass fibre reinforced polyester with high mechanical and electrical track resistance and with low water absorption
Knife - type contacts with self - wiping action on the contact surfaces, providing:
- under heavy starting currents or with short - circuit conditions, the contact pressure is increased
- shock and vibration proof contacts
Four breaking points per pole with two double - break contacts

Changeover switches

Pack	Cat.Nos 3P	Cat.Nos 3P+N	Intensity	Handle position	Connection
Size 1 Cage terminals					
1	4 311 00	4 311 20	40 A	I - O - II	
1	4 311 01	4 311 21	63 A	I - O - II	
Size 2 Connection with lugs					
1	4 311 02	4 311 22	100 A	I - O - II	
1	4 311 03	4 311 23	125 A	I - O - II	
1	4 311 04	4 311 24	160 A	I - O - II	
Size 3 Connection with lugs					
1	4 311 05	4 311 25	200 A	I - O - II	OUT
1	4 311 06	4 311 26	250 A	I - O - II	
1	4 311 07	4 311 27	315 A	I - O - II	
1	4 311 08	4 311 28	400 A	I - O - II	
Size 4 Connection with lugs					
1	4 311 09	4 311 29	630 A	I - O - II	OUT
1	4 311 10	4 311 30	800 A	I - O - II	

Changeover switches (continued)

Pack	Cat.Nos 3P	Cat.Nos 3P+N	Intensity	Handle position	Connection
Size 5 Connection with lugs					
1	4 311 11	4 311 31	1000 A	I - O - II	OUT
1	4 311 12	4 311 32	1250 A	I - O - II	
Size 6 Connection with lugs					
1	4 311 13	4 311 33	1600 A	I - O - II	

DCX-M changeover switches

auxiliaries and accessories


4 311 40


4 311 42


4 311 55


4 311 60


4 311 61

Pack	Cat.Nos	Direct handles
		Black rotary handles
20	4 311 45	For DCX-M between 40 A and 160 A
20	4 311 46	For DCX-M between 200 A and 400 A
1	4 311 47	For DCX-M 630 A and 800 A
5	4 311 48	For DCX-M 1000 A and 1250 A
2	4 311 49	For DCX-M 1600 A

Pack	Cat.Nos	External handles
		Black rotary handles Supplied with standard rod
1	4 311 40	For DCX-M between 40 A and 160 A
20	4 311 41	For DCX-M between 200 A and 400 A
10	4 311 42	For DCX-M 630 A and 800 A
5	4 311 43	For DCX-M 1000 A and 1250 A
2	4 311 44	For DCX-M 1600 A

Pack	Cat.Nos	Extended shafts
		Replace the standard rods supplied with the external handles, when required by the door distance
1	4 311 50	For DCX-M between 40 A and 160 A
10	4 311 51	For DCX-M between 200 A and 400 A
10	4 311 52	For DCX-M 630 A and 800 A
10	4 311 53	For DCX-M 1000 A and 1250 A

Pack	Cat.Nos	Safety key lock devices
		Simple lock devices
2	4 311 70	For DCX-M between 40 A and 160 A
2	4 311 71	For DCX-M between 200 A and 400 A
2	4 311 72	For DCX-M 630 A and 800 A
2	4 311 73	For DCX-M 1000 A and 1250 A
2	4 311 74	For DCX-M 1600 A
		Double lock devices
2	4 311 75	For DCX-M between 40 A and 160 A
2	4 311 76	For DCX-M between 200 A and 400 A
2	4 311 77	For DCX-M 630 A and 800 A
2	4 311 78	For DCX-M 1000 A and 1250 A
2	4 311 79	For DCX-M 1600 A

Pack	Cat.Nos	Auxiliary contacts
		For DCX-M between 40 and 1250 A
10	4 311 55	1 NO + 1 NC
10	4 311 56	2 NO + 2 NC
		For DCX-M 1600 A
10	4 311 57	1 NO + 1 NC
10	4 311 58	2 NO + 2 NC

Pack	Cat.Nos	Bridging links
5	4 311 60	For DCX-M 40 A and 63 A
5	4 311 61	For DCX-M 100 A and 125 A
3	4 311 62	For DCX-M 1600 A

Pack	Cat.Nos	Rear protective plates
5	4 311 65	For DCX-M between 200 A and 400 A
5	4 311 66	For DCX-M 630 A and 800 A
5	4 311 67	For DCX-M 1000 A and 1250 A

Pack	Cat.Nos	Mounting kits for DCX-M
		Kit comprising plate and faceplate for fixing DCX-M
		For vertical mounting in XL³ 800 and XL³ 4000 enclosures
1	0 211 20	For DCX-M 40 A and 63 A
1	0 211 21	For DCX-M 100 A and 160 A
1	0 211 22	For DCX-M 200 A and 400 A
		For horizontal mounting in XL³ 800 and XL³ 4000 enclosures
1	0 211 27	For DCX-M 100 A and 160 A
1	0 211 28	For DCX-M 200 A and 400 A
		For vertical mounting in XL³ 4000 enclosures
1	0 211 23	For DCX-M 630 A and 800 A
1	0 211 24	For DCX-M 1000 A and 1250 A
1	0 211 25	For DCX-M 1600 A
		For horizontal mounting in XL³ 4000 enclosures
1	0 211 29	For DCX-M 630 A and 800 A

DCX-M handles and accessories selection chart

									
A	Size	Connection	Changeover switch I-O-II		Direct handle	External handle			
			3P	4P		Cat.Nos	L (mm)	D (mm)	
40	1	cage terminals	4 311 00	4 311 20	4 311 45	4 311 40	137	90 - 180	
63	1	cage terminals	4 311 01	4 311 21	4 311 45	4 311 40	137	90 - 180	
100	2	lugs	4 311 02	4 311 22	4 311 45	4 311 40	137	161 - 250	
125	2	lugs	4 311 03	4 311 23	4 311 45	4 311 40	137	161 - 250	
160	2	lugs	4 311 04	4 311 24	4 311 45	4 311 40	137	161 - 250	
200	3	lugs	4 311 05	4 311 25	4 311 46	4 311 41	161	158 - 254	
250	3	lugs	4 311 06	4 311 26	4 311 46	4 311 41	161	158 - 254	
315	3	lugs	4 311 07	4 311 27	4 311 46	4 311 41	161	158 - 254	
400	3	lugs	4 311 08	4 311 28	4 311 46	4 311 41	161	158 - 254	
630	4	lugs	4 311 09	4 311 29	4 311 47	4 311 42	151	187 - 255	
800	4	lugs	4 311 10	4 311 30	4 311 47	4 311 42	151	187 - 255	
1000	5	lugs	4 311 11	4 311 31	4 311 48	4 311 43	125	215 - 264	
1250	5	lugs	4 311 12	4 311 32	4 311 48	4 311 43	125	215 - 264	
1600	6	lugs	4 311 13	4 311 33	4 311 49	4 311 44	204	413 - 573	

								
	Auxiliary contacts		Bridging links	Shaft extensions			Rear protective plate	Safety lock device	
	1 NO + 1 NC	2 NO + 2 NC		Cat.Nos	L (mm)	D (mm)		Simple	Double
	4 311 55	4 311 56	4 311 60	4 311 50	187	90 - 240	-	4 311 70	4 311 75
	4 311 55	4 311 56	4 311 60	4 311 50	187	90 - 240	-	4 311 70	4 311 75
	4 311 55	4 311 56	4 311 61	4 311 50	187	161 - 306	-	4 311 70	4 311 75
	4 311 55	4 311 56	4 311 61	4 311 50	187	161 - 306	-	4 311 70	4 311 75
	4 311 55	4 311 56	-	4 311 50	187	161 - 306	-	4 311 70	4 311 75
	4 311 55	4 311 56	-	4 311 51	305	158 - 414	4 311 65	4 311 71	4 311 76
	4 311 55	4 311 56	-	4 311 51	305	158 - 414	4 311 65	4 311 71	4 311 76
	4 311 55	4 311 56	-	4 311 51	305	158 - 414	4 311 65	4 311 71	4 311 76
	4 311 55	4 311 56	-	4 311 51	305	158 - 414	4 311 65	4 311 71	4 311 76
	4 311 55	4 311 56	-	4 311 52	290	187 - 405	4 311 66	4 311 72	4 311 77
	4 311 55	4 311 56	-	4 311 52	290	187 - 405	4 311 66	4 311 72	4 311 77
	4 311 55	4 311 56	-	4 311 53	275	215 - 414	4 311 67	4 311 73	4 311 78
	4 311 55	4 311 56	-	4 311 53	275	215 - 414	4 311 67	4 311 73	4 311 78
	4 311 57	4 311 58	4 311 62	consult us	consult us	consult us	-	4 311 74	4 311 79

Proximity switching from 16 to 80 A

Compatible with auxiliary contact



0 221 71



0 227 00



0 222 82

Technical characteristics **see e-catalogue**

Safety switch for disconnection and isolation of phases
IP 2X
Double breaking on each phase
Red rotary handle on yellow plate
Immediate display of position
- horizontal: open (O)
- vertical: closed (I)
Equipped with non reversible terminals
Conform to IEC EN 60947-3
UL-cUL (USA and Canada) agreements (except boxes)
IP 65 - IK 07 for boxes

Pack	Cat.Nos	Proximity switching
		Can be equipped with auxiliary contact Cat.No 0 227 00 Padlockable boxes for on-load breaking, isolation and locking in O position Equipment located remotely from a control cabinet Applications: breaking of CMV (controlled mechanical ventilation), motors, fixed or moving machines, air-conditioners
		3P
1	0 221 71	16 A
1	0 221 72	20 A
1	0 221 73	25 A
1	0 221 74	40 A
1	0 221 75	50 A
1	0 221 76	63 A
1	0 221 77	80 A
		3P + N/O + N/C
1	0 221 89	16 A
1	0 221 79	20 A
1	0 221 88	25 A

Pack	Cat.Nos	Proximity switching (continued)
		4P - neutral on left-hand side
1	0 221 81	16 A
1	0 221 82	20 A
1	0 221 83	25 A
1	0 221 84	40 A
1	0 221 85	50 A
1	0 221 86	63 A
1	0 221 87	80 A

Pack	Cat.Nos	Accessories
		Auxiliary contact
1	0 227 00	N/O + N/C
		Labels
		Marked "Main switch"
5	0 222 82	Duty label for padlockable faceplate

For the technical characteristics, **see e-catalogue**

Proximity switching 32 to 160 A

Proximity switching 32 to 160 A



0 226 07 0 226 17 0 226 37

For on-load circuit breaking, isolation and locking in 0 position equipment located remotely
Applications:
• breaking of CMV (controlled mechanical ventilation) motors, fixed or moving machines, air-conditioners)
Can also be used as a:
• general switch
• emergency stop
IP 65

Pack	Cat.Nos	Full load switch units 32 to 160 A	Connection	Earth terminal nominal capacity
		Comprising: - IP 65 plastic box with transparent hinged cover equipped with a Vistop with side red handle, yellow front plate with N/C + N/O auxiliary contact - earth terminal (Viking 3)		
		32 A - IK 07 Supplied with 2 cable glands 21P - ISO 25		
1	0 226 05	3P	16 mm² cage terminals	10 mm²
1	0 226 07	4P		
		63 A - IK 07 Supplied with 2 cable glands 29P - ISO 32		
1	0 226 15	3P	cage terminals	50 mm²
1	0 226 17	4P	50 mm² flexible 70 mm² rigid	50 mm²
		100 A - IK 07 Supplied with 2 cable glands 36P - ISO 50		
1	0 226 25	3P	cage terminals	50 mm²
1	0 226 27	4P	50 mm² flexible 70 mm² rigid	50 mm²
		125 A - IK 07 Supplied with 2 cable glands 36P - ISO 50		
1	0 226 33	3P	cage terminals	50 mm²
1	0 226 34	4P	50 mm² flexible 70 mm² rigid	50 mm²
		160 A - IK 07 Supplied with 2 cable glands 36P - ISO 50		
1	0 226 35	3P	cage terminals	50 mm²
1	0 226 37	4P	50 mm² flexible 70 mm² rigid	50 mm²

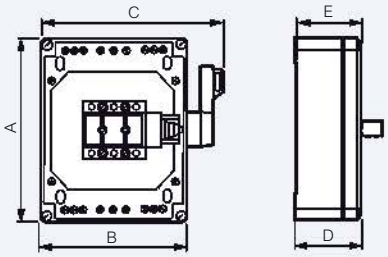
Full load switch units 32 to 160 A

Electrical characteristics

Identical to corresponding Vistop isolating switch

Switch units	Cat.Nos	Characteristics
32 A	0 226 05/07	Vistop 32 A p. 166
63 A	0 226 15/17	Vistop 63 A p. 166
100 A	0 226 25/27	Vistop 100 A p. 166
125 A	0 226 33/34	Vistop 125 A p. 166
160 A	0 226 35/37	Vistop 160 A p. 166

Dimensions



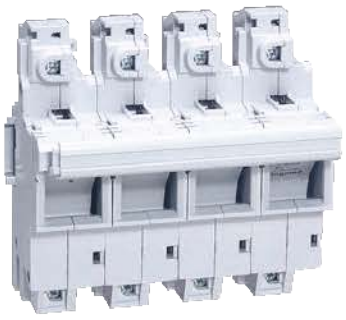
Cat.Nos		A	B	C	D	E
0 226 05/07	**32 A**	200	160	218	93	93
0 226 15/17	**63 A**	290	190	263	95	102
0 226 25/27/33/34	**100/125 A**	332	262	316	132	132
0 226 35/37	**160 A**	382	292	346	132	132

SP fuse carriers

with protected terminals



0 215 04



0 216 05

Conform to IEC 60269-2
Veritas approved
Height under front plate 44 mm
Mixed socket screw head for easier cable clamping
Screw or rail ⊔ and ⊏ mounting

Pack	Cat.Nos			
		SP 38 for HRC fuses 10 x 38		
		Without microswitch	Connection	No of modules
3	0 214 04	3P	1 x 16 mm²	3
2	0 214 05	3P + equipped neutral	or 2 x 10 mm²	4
		SP 51 for HRC fuses 14 x 51		
		Without microswitch	Connection	No of modules
1	0 215 04	3P	1 x 35 mm²	4.5
1	0 215 05	3P + equipped neutral	or 2 x 16 mm²	6
		SP 58 for HRC fuses 22 x 58		
		Without microswitch	Connection	No of modules
1	0 216 04	3P	1 x 50 mm²	6
1	0 216 05	3P + equipped neutral	or 2 x 25 mm²	8

SP fuse carriers

with protected terminals

Choice of equipment

Type	Rated current	Maximum cartridge rating					
		400 V~		500 V~		690 V~	
		gG	aM	gG	aM	gG	aM
SP 38	25 A	25	16	25	16	-	-
SP 51	50 A	50	50	50	40	25	25
SP 58	100 A (125 A in 400 V)	125	125	100	100	50	50

These values are standardized according to IEC 60269-2/2-1
They can be reduced or increased under certain specific applications

Index of protection: IP 2X - IP 2XC - under front plate

Equipment derating

Recommended for equipment exposed to high temperatures:

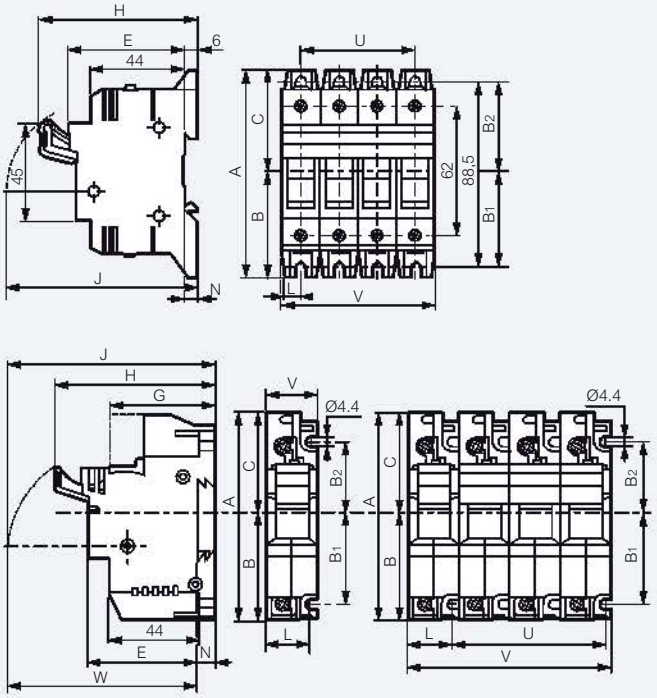
- Ambient temperature over 35 °C: derate fuse by one rating per 10 °C (UTE C 20-051 / IEC 60943)
- Side-by-side equipment and simultaneous function

2 - 3 devices	0.9 x In
4 - 5 devices	0.8 x In
6 - 7 - 8 - 9 devices	0.7 x In
≥ 10 devices	0.6 x In

This coefficient is to be applied on the nominal rating of the base (IEC 60439-1)

- Uninterrupted usage: it may be necessary to upgrade the bases by one size

Dimensions (mm)



	A	B	B_1	B_2	C	E	G	H
SP 38	100	51	46	42.5	48.5	52	-	76
SP 51	106	54.5	45	35	51.5	55	53	84
SP 58	140	74	65	45	66	59	53	90

	J	L	N	U		V		W
				3P	3P+N	3P	3P+N	3P
SP 38	86	9	6	35.4	53.1	53.1	70.8	80
SP 51	99	20.7	9	53	79.5	79.5	106	90
SP 58	114	27	9	72	108	108	144	109

HRC cartridge fuses


0 133 08



0 153 96



0 120 04



0 140 12



0 151 50

Technical data and dimensions **see e-catalogue**

Cylindrical type gG

Conform to EN 60269-1, IEC 60269-1 and 2 Veritas approved

8 x 32 (previously 8.5 x 31.5)

Pack	Cat.Nos. Without indicator	Cat.Nos. With indicator	Rating (Amps)	Voltage ∿ (Volts)	Rupture capacity (Amps)
10	0 123 01		1		
10	0 123 02	0 124 02	2		
10	0 123 04	0 124 04	4		
10	0 123 06	0 124 06	6	400	20000
10	0 123 10		10		
10		0 124 10	10		
10|100	0 123 16	0 124 16	16		
	Without indicator	With indicator	**10 x 38 HRC**		
10	0 133 94		0.5		
10	0 133 01		1		
10	0 133 02	0 134 02	2		
10	0 133 04	0 134 04	4		
10	0 133 06	0 134 06	6	500	100000
10	0 133 08	0 134 08	8		
10	0 133 10	0 134 10	10		
10	0 133 16	0 134 16	16		
10	0 133 20	0 134 20	20		
10	0 133 25	0 134 25	25		
	Without striker	With striker	**14 x 51 HRC**		
10	0 143 06		6		
10	0 143 10		10		
10	0 143 16	0 145 16	16		
10	0 143 20	0 145 20	20	500	100000
10	0 143 25	0 145 25	25		
10	0 143 32	0 145 32	32		
10	0 143 40	0 145 40	40		
10	0 143 50	0 145 50	50		
	Without striker	With striker	**22 x 58 HRC**		
10	0 153 16		16		
10	0 153 20		20		
10	0 153 25		25		
10	0 153 32		32		
10	0 153 40		40	500	100000
10	0 153 50	0 155 50	50		
10	0 153 63	0 155 63	63		
10	0 153 80	0 155 80	80		
10	0 153 96	0 155 96	100		
10	0 153 97[1]	0 155 97[1]	125	400	

Cylindrical type aM (motor rated)

Conform to EN 60269-1, IEC 60269-1 and 2 Veritas approved

8 x 32 (previously 8.5 x 31.5)

Pack	Cat.Nos. Without indicator	Rating (Amps)	Voltage ∿ (Volts)	Rupture capacity (Amps)
10	0 120 04	4		
10	0 120 06	6	400	20000
10	0 120 08	8		
10	0 120 10	10		
	Without indicator	**10 x 38 HRC**		
10	0 130 95	0.50		
10	0 130 01	1		
10	0 130 02	2		
10	0 130 04	4		
10	0 130 06	6	500	100000
10	0 130 08	8		
10	0 130 10	10		
10	0 130 12	12		
10	0 130 16	16		
10	0 130 20	20	400	
10	0 130 25	25		
	Without striker / With striker	**14 x 51 HRC**		
10	0 141 02	2		
10	0 141 04	4		
10	0 141 06	6		
10	0 141 08	8		
10	0 140 10 / 0 141 10	10		
10	0 140 12 / 0 141 12	12	500	100000
10	0 140 16 / 0 141 16	16		
10	0 140 20 / 0 141 20	20		
10	0 140 25 / 0 141 25	25		
10	0 140 32 / 0 141 32	32		
10	0 140 40 / 0 141 40	40		
10	0 140 50[1] / 0 141 50[1]	50	400	
	Without striker / With striker	**22 x 58 HRC**		
10	0 150 25 / 0 151 25	25		
10	0 150 32 / 0 151 32	32		
10	0 150 40 / 0 151 40	40		
10	0 150 50 / 0 151 50	50	500	100000
10	0 150 63 / 0 151 63	63		
10	0 150 80 / 0 151 80	80		
10	0 150 96 / 0 151 95	100		
10	0 150 97[1] / 0 151 97[1]	125	400	

Neutral links

10	0 123 00 — 8 x 32 (previously 8.5 x 31.5)
10	0 133 00 — 10 x 38
10	0 143 00 — 14 x 51
10	0 153 00 — 22 x 58

1: Overrating not described by standards

For technical data and dimensions, **see e-catalogue**

Blade type cartridge fuses

HRC blade type cartridge fuses

gG/gL and aM types


0 199 42


0 199 43


0 199 36


0 163 35

Conform to IEC 60269-2

Bases for blade type cartridge fuses

Self-extinguishing plastic bases
Contact points are sprung

Bare

Pack	Cat.Nos 1P	Cat.Nos 3P	Size	In (A)	Mounting	Connection
3	0 199 42	0 199 43[1]	000/00	100	screw or ⌙ rail	M8
3	0 199 44	0 199 45[1]	000/00	160	screw or ⌙ rail	M8
3	0 199 46		0	160	screw or ⌙ rail	M8
3	0 199 48		1	250	screw or ⌙ rail	M10
3	0 199 50		2	400	screw or ⌙ rail	M10

With micro-switch

Equipped with "present cartridge" and "blown fuse" indicator for cartridge fuses with stricker

Pack	Cat.Nos 1P	Size	In (A)	Mounting	Connection
3	0 199 47	0	160	screw or ⌙ rail	M8
1	0 199 49	1	250	screw or ⌙ rail	M10
1	0 199 51	2	400	screw or ⌙ rail	M10

Handle

Pack	Cat.Nos	
5	0 199 02	For all sizes

Accessories

Separation dividers and joining accessories kits

Pack	Cat.Nos	Base Size	Number of dividers	Number of joining acessories	For base Cat.No
5	0 199 30[2]	000/00	2	0	0 199 42/44
5	0 199 31	0	2	2	0 199 46/47
5	0 199 32	1/2	2	2	0 199 48/49 /50/51

Protection kits

For protection against accidental contacts, Kits consisting of : separation dividers, joining accessories, terminal shields and fuse covers

Pack	Cat.Nos 1P	
5	0 199 35[2]	For bases size 00 Cat.No 0 199 42/44
5	0 199 36	For bases size 0 Cat.No 0 199 46
5	0 199 37	For bases size 1 Cat.No 0 199 48
5	0 199 38	For bases size 2 Cat.No 0 199 50
	3P	
5	0 199 39[2]	For bases size 00 Cat.No 0 199 43/45

1: Supplied with 2 separation dividers
2: Supplied without joining accessories (separation dividers are fixed directly on the base of)

Type gG / gL

Conform to IEC 60269-2
For protection against accidental contacts, use terminal shields and fuse covers supplied with protection kits

Pack	Cat.Nos With indicator	Rating (Amps)	Voltage ∿ (Volts)	Breaking capacity (Amps)
		Size 00		
10	0 163 18	25		
10	0 163 20	32		
10	0 163 22	35		
10	0 163 25	40		
10	0 163 30	50	500	120000
10	0 163 35	63		
10	0 163 40	80		
10	0 163 45	100		
10	0 163 50	125		
10	0 163 55	160		
		Size 0		
3	0 168 35	63		
3	0 168 40	80		
3	0 168 45	100	500	120000
3	0 168 50	125		
3	0 168 55	160		
		Size 1		
3	0 173 50	125		
3	0 173 55	160	500	120000
3	0 173 60	200		
3	0 173 65	250		
		Size 2		
3	0 178 60	200		
3	0 178 65	250	500	120000
3	0 178 70	315		
3	0 178 75	400		

Type aM (motor rated)

Conform to EN 60269-1
IEC 60269-1, 2 and VDE 0636-1
Fully insulated end plate and handle lugs

Pack	Cat.Nos With indicator	Cat.Nos With striker	Rating (Amps)	Voltage ∿ (Volts)	Breaking capacity (Amps)
			Size 00		
3	0 160 35		63		
3	0 160 40		80	500	120000
3	0 160 45		100		
3	0 160 50		125		
			Size 0		
3		0 166 35	63		
3		0 166 40	80		
3		0 166 45	100	500	120000
3		0 166 50	125		
3		0 166 55	160		
			Size 1		
3		0 171 50	125		
3		0 171 55	160	500	120000
3		0 171 60	200		
3		0 171 65	250		
			Size 2		
3		0 176 60	200		
3		0 176 65	250	500	120000
3		0 176 70	315		
3		0 176 75	400		

For technical data and dimensions, **see e-catalogue**

MPX³, CTX³, RTX³

a complete range of devices for protection and control of motors





MPX³ MPCBs

- Compact design
- Rated current up to 100 A
- High breaking capacity range : 100 kA at 230 V for all rated currents
- Complete range of common control and signalling auxiliaries and accessories

STANDARD BREAKING CAPACITY	HIGH BREAKING CAPACITY			MAGNETIC ONLY
MPX³ 32S	MPX³ 32H	MPX³ 63H	MPX³ 100 H	MPX³ 32MA

CTX³ CONTACTORS

- Compact design
- 3-pole and 4-pole
- Operating current from 9 to 800 A
- Screw and lug terminals
- Complete range of auxiliaries and accessories



RTX³ thermal overload relays
- Differential and non-differential versions
- Direct connection on CTX³ contactors
- Mounting units available for mounting separately from contactors



4-pole CTX³ contactors from 40 to 800 A

MPCBs MPX³

technical characteristics

																						
MPCB			**MPX³ 32S**										**MPX³ 32H**									
Size			1										2									
Type			Thermal magnetic										Thermal magnetic									
Breaking capacity			Standard										High									
Handle type			Toggle										Rotary									
Number of poles			3										3									
Characteristics of use																						
Rated operational voltage (Ue)			Up to 690 V										Up to 690 V									
Rated frequency			50/60 Hz										50/60 Hz									
Rated insulation voltage (Ui)			690 V										690 V									
Rated impulse voltage (Uimp)			6 kV										6 kV									
Utilisation category	**IEC 60947-2 (breaker)**		Cat. A										Cat. A									
	IEC 60947-4 (Motor starter)		AC3										AC3									
Mechanical endurance (Operating)			100000										100000									
Electric endurance (Cycles)			100000										100000									
Max operating frequency per hour (Ope./h)			25										25									
Temperature compensation			-20 to +60°C										-20 to +60°C									
Instantaneous short circuit release			13 x Ie max.										13 x Ie max.									
Trip class			10										10									
Overload protection			•										•									
Phase failure protection			•										•									
Trip indicating function			with alarm contact 4 174 06/07										with alarm contact 4 174 06/07									
Test function			•										•									
Weight (g)			320										360									
Rated breaking capacity (kA)	Rated operational current Ie (A)	Thermal release adjustment range (A)	240V 230V 220V		415V 400V		460V 440V		525V 500V		690V 600V		240V 230V 220V		415V 400V		460V 440V		525V 500V		690V 600V	
			Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics
	0.16	0.1 to 0.16	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	0.25	0.16 to 0.25	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	0.4	0.25 to 0.4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	0.63	0.4 to 0.63	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1	0.63 to 1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1.6	1 to 1.6	100	100	100	100	100	100	100	100	3	3	100	100	100	100	100	100	100	100	100	100
	2.5	1.6 to 2.5	100	100	100	100	100	100	50	38	3	3	100	100	100	100	100	100	100	100	8	8
	4	2.5 to 4	100	100	100	100	50	38	15	11	3	3	100	100	100	100	100	100	100	100	8	8
	6	4 to 6	100	100	100	100	15	11	10	8	3	3	100	100	100	100	100	100	100	100	6	6
	8	5 to 8	100	100	100	100	15	11	10	8	3	3	100	100	100	100	50	38	50	38	6	6
	10	6 to 10	100	100	50	38	15	11	6	5	3	3	100	100	100	100	50	38	50	38	6	6
	13	9 to 13	100	100	50	38	10	8	6	5	3	3	100	100	100	100	50	38	42	32	6	6
	17	11 to 17	50	38	20	15	10	8	6	5	3	3	100	100	50	38	20	15	10	8	4	4
	22	14 to 22	40	30	15	11	8	6	6	5	3	3	100	100	50	38	20	15	10	8	4	4
	26	18 to 26	40	30	15	11	8	6	5	4	3	3	100	100	50	38	20	15	10	8	4	4
	32	22 to 32	30	22	15	11	6	4	5	4	3	3	100	100	50	38	20	15	10	8	4	4
	40	28 to 40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	50	34 to 50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	63	45 to 63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	75	55 to 75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	90	70 to 90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	80 to 100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

			
	MPX³ 32MA	**MPX³ 63H**	**MPX³ 100H**
	2	3	4
	Magnetic only	Thermal magnetic	Thermal magnetic
	High	High	High
	Rotary	Rotary	Rotary
	3	3	3
	Up to 690 V	Up to 690 V	Up to 690 V
	50/60 Hz	50/60 Hz	50/60 Hz
	690 V	1000 V	1000 V
	6 kV	8 kV	8 kV
	Cat. A	Cat. A	Cat. A
	AC3	AC3	AC3
	100000	50000	50000
	100000	25000	25000
	25	25	25
	-20 to +60°C	-20 to +60°C	-20 to +60°C
	13 x Ie max.	13 x Ie max.	13 x Ie max.
	0	10	10
	-	•	•
	-	•	•
	with alarm contact 4 174 06/07	with alarm contact 4 174 06/07	with alarm contact 4 174 06/07
	•	•	•
	360	1000	2200

	240V 230V 220V		415V 400V		460V 440V		525V 500V		690V 600V		240V 230V 220V		415V 400V		460V 440V		525V 500V		690V 600V		240V 230V 220V		415V 400V		460V 440V		525V 500V		690V 600V	
	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics
	100	100	100	100	100	100	100	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	100	100	100	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	100	100	100	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	100	100	100	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	100	100	100	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	100	100	100	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	100	100	100	100	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	100	100	100	100	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	100	100	100	100	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	50	38	50	38	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	50	38	50	38	6	6	100	100	100	100	50	38	50	38	6	5	-	-	-	-	-	-	-	-	-	-
	100	100	100	100	50	38	42	32	6	6	100	100	100	100	50	38	42	32	6	5	-	-	-	-	-	-	-	-	-	-
	100	100	50	38	20	15	10	8	4	4	100	100	50	50	50	38	12	9	5	5	100	100	100	100	50	38	35	27	12	9
	100	100	50	38	20	15	10	8	4	4	100	100	50	50	50	38	12	9	5	5	100	100	100	100	50	38	35	27	12	9
	100	100	50	38	20	15	10	8	4	4	100	100	50	50	35	27	12	9	5	5	100	100	100	100	50	38	35	27	12	9
	100	100	50	38	20	15	10	8	4	4	100	100	50	50	35	27	10	8	5	5	100	100	100	100	50	38	25	19	12	9
	-	-	-	-	-	-	-	-	-	-	100	100	50	50	35	27	10	8	5	5	100	100	100	100	50	38	20	15	12	9
	-	-	-	-	-	-	-	-	-	-	100	100	50	50	35	27	10	8	5	5	100	100	100	100	50	38	15	11	10	8
	-	-	-	-	-	-	-	-	-	-	100	100	50	50	35	27	10	8	5	5	100	100	100	100	50	38	15	11	8	6
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100	75	50	50	38	12	9	6	6
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100	75	50	50	38	12	9	6	6
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100	75	50	50	38	12	9	6	6

MPCBs MPX³

motor protection circuit breakers from 0.16 A to 100 A

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4 173 08


4 173 68


4 173 79


4 173 48

Technical characteristics **p. 166**
Dimensions and wiring capacity chart **see e-catalogue**

Conform to IEC 60947-1, IEC 60947-2, IEC 60947-4

Thermal magnetic MPCBs

Adjustable thermal release
Magnetic release 13 Ie max.

MPX³ 32S

Standard breaking capacity
With toggle handle
Fixing on rail ⊔

Pack	Cat. Nos 3P	Rated operational current Ie (A)	Thermal release adjustment range (A)	Magnetic release operating current (A)	415 V breaking capacity Icu (kA)
1	4 173 00	0.16	0.1 to 0.16	2.1	100
1	4 173 01	0.25	0.16 to 0.25	3.3	100
1	4 173 02	0.4	0.25 to 0.4	5.2	100
1	4 173 03	0.63	0.4 to 0.63	8.2	100
1	4 173 04	1	0.63 to 1	13	100
1	4 173 05	1.6	1 to 1.6	20.8	100
1	4 173 06	2.5	1.6 to 2.5	32.5	100
1	4 173 07	4	2.5 to 4	52	100
1	4 173 08	6	4 to 6	78	100
1	4 173 09	8	5 to 8	104	100
1	4 173 10	10	6 to 10	130	50
1	4 173 11	13	9 to 13	169	50
1	4 173 12	17	11 to 17	221	20
1	4 173 13	22	14 to 22	286	15
1	4 173 14	26	18 to 26	338	15
1	4 173 15	32	22 to 32	416	15

MPX³ 32H

High breaking capacity
With rotary handle
Fixing on rail ⊔

Pack	Cat. Nos 3P	Rated operational current Ie (A)	Thermal release adjustment range (A)	Magnetic release operating current (A)	415 V breaking capacity Icu (kA)
1	4 173 20	0.16	0.1 to 0.16	2.1	100
1	4 173 21	0.25	0.16 to 0.25	3.3	100
1	4 173 22	0.4	0.25 to 0.4	5.2	100
1	4 173 23	0.63	0.4 to 0.63	8.2	100
1	4 173 24	1	0.63 to 1	13	100
1	4 173 25	1.6	1 to 1.6	20.8	100
1	4 173 26	2.5	1.6 to 2.5	32.5	100
1	4 173 27	4	2.5 to 4	52	100
1	4 173 28	6	4 to 6	78	100
1	4 173 29	8	5 to 8	104	100
1	4 173 30	10	6 to 10	130	100
1	4 173 31	13	9 to 13	169	100
1	4 173 32	17	11 to 17	221	50
1	4 173 33	22	14 to 22	286	50
1	4 173 34	26	18 to 26	338	50
1	4 173 35	32	22 to 32	416	50

MPX³ 63H

High breaking capacity
With rotary handle
Fixing on rail ⊔ or by screw

Pack	Cat. Nos 3P	Rated operational current Ie (A)	Thermal release adjustment range (A)	Magnetic release operating current (A)	415 V breaking capacity Icu (kA)
1	4 173 60	10	6 to 10	130	100
1	4 173 61	13	9 to 13	169	100
1	4 173 62	17	11 to 17	221	50
1	4 173 63	22	14 to 22	286	50
1	4 173 64	26	18 to 26	338	50
1	4 173 65	32	22 to 32	416	50
1	4 173 66	40	28 to 40	520	50
1	4 173 67	50	34 to 50	650	50
1	4 173 68	63	45 to 63	819	50

Thermal magnetic MPCBs (continued)

MPX³ 100H

High breaking capacity
With rotary handle
Fixing on rail ⊔ or by screw

Pack	Cat. Nos 3P	Rated operational current Ie (A)	Thermal release adjustment range (A)	Magnetic release operating current (A)	415 V breaking capacity Icu (kA)
1	4 173 70	17	11 to 17	221	100
1	4 173 71	22	14 to 22	286	100
1	4 173 72	26	18 to 26	338	100
1	4 173 73	32	22 to 32	416	100
1	4 173 74	40	28 to 40	520	100
1	4 173 75	50	34 to 50	650	100
1	4 173 76	63	45 to 63	819	100
1	4 173 77	75	55 to 75	975	75
1	4 173 78	90	70 to 90	1170	75
1	4 173 79	100	80 to 100	1300	75

Magnetic only MPCBs

Without thermal release
Magnetic release 13 x Ie max.

MPX³ 32MA

High breaking capacity
With rotary handle
Fixing on rail ⊔

Pack	Cat. Nos 3P	Rated operational current Ie (A)	Magnetic release operating current (A)	415 V breaking capacity Icu (kA)
1	4 173 40	0.16	2.1	100
1	4 173 41	0.25	3.3	100
1	4 173 42	0.4	5.2	100
1	4 173 43	0.63	8.2	100
1	4 173 44	1	13	100
1	4 173 45	1.6	20.8	100
1	4 173 46	2.5	32.5	100
1	4 173 47	4	52	100
1	4 173 48	6	78	100
1	4 173 49	8	104	100
1	4 173 50	10	130	100
1	4 173 51	13	169	100
1	4 173 52	17	221	50
1	4 173 53	22	286	50
1	4 173 54	26	338	50
1	4 173 55	32	416	50

For dimensions and wiring capacity
see e-catalogue

MPCBs MPX³

accessories

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4 174 00


4 174 03


4 174 12


4 174 22


4 174 50


4 174 56


4 174 61


4 174 63


4 174 73


4 174 81

Pack	Cat. Nos	Auxiliary contacts
		2-pole
		Side mounting
		Mounting on the left side of MPCBs
		One module per MPCB
1	4 174 00	1 NO + 1 NC
1	4 174 01	2 NO
1	4 174 02	2 NC
		Front mounting
		One module per MPCB
1	4 174 03	1 NO + 1 NC
1	4 174 04	2 NO
1	4 174 05	2 NC

Pack	Cat. Nos	Alarm contacts
		2-pole
		Any trip alarm contact
		Operate in case of trip
		Mounting on the left side of MPCBs
		Set alarm contact first in case of using auxiliary contact together (MPX³ 63H can not accept auxiliary contact and alarm contact together)
1	4 174 06	1 NO + 1 NC
		Magnetic trip alarm contact
		Operate in case of instantaneous trip
		Mounting on the left side of MPCBs
		Set alarm contact first in case of using auxiliary contact together
1	4 174 07	1 NO + 1 NC

Pack	Cat. Nos	Shunt release
		Mounting on the right side of MPCBs
		One release per MPCB
1	4 174 10	24 V - 50 Hz / 28 V - 60 Hz
1	4 174 11	110 V - 50 Hz / 120 V - 60 Hz
1	4 174 12	220-230 V - 50 Hz / 240-260 V - 60 Hz
1	4 174 13	380-400 V - 50 Hz / 440-460 V - 60 Hz

Pack	Cat. Nos	Undervoltage release
		Mounting on the right side of MPCBs
		One release per MPCB
		Without auxiliary contact
1	4 174 20	24 V - 50 Hz / 28 V - 60 Hz
1	4 174 21	110 V - 50 Hz / 120 V - 60 Hz
1	4 174 22	220-230 V - 50 Hz / 240-260 V - 60 Hz
1	4 174 23	380-400 V - 50 Hz / 440-460 V - 60 Hz
		With 2 NO auxiliary contacts
		Can not attach to MPX³ 32S
1	4 174 30	24 V - 50 Hz / 28 V - 60 Hz
1	4 174 31	110 V - 50 Hz / 120 V - 60 Hz
1	4 174 32	220-230 V - 50 Hz / 240-260 V - 60 Hz
1	4 174 33	380-400 V - 50 Hz / 440-460 V - 60 Hz

Pack	Cat. Nos	Dial Cover
		Sealable cover to protect the set value from the operation that is not intended
1	4 174 79	For all types of MPX³

Pack	Cat. Nos	Direct adaptator and mounting unit
		For mounting CTX³ contactors under MPX³ MPCBs
		Direct adaptators
		Used to connect MPX³ directly with the contactor
1	4 174 48	For MPX³ 32S with CTX³ 22 AC (p. 170)
1	4 174 49	For MPX³ 32S with CTX³ 22 DC (p. 170)
1	4 174 50	For MPX³ 32H/32MA with CTX³ 22 AC (p. 170)
1	4 174 51	For MPX³ 32H/32MA with CTX³ 22 DC (p. 170)
1	4 174 52	For MPX³ 32S with CTX³ 40 AC (p. 170)
1	4 174 53	For MPX³ 32S with CTX³ 40 DC (p. 170)
1	4 174 54	For MPX³ 32H/32MA with CTX³ 40 AC (p. 170)
1	4 174 55	For MPX³ 32H/32MA with CTX³ 40 DC (p. 170)
1	4 174 56	For MPX³ 63H with CTX³ 65 AC with lug type terminals (p. 170)
1	4 174 57	For MPX³ 63H with CTX³ 65 DC with lug type terminals (p. 170)
1	4 174 58	For MPX³ 100H with CTX³ 100 AC with lug type terminals (p. 170)
1	4 174 59	For MPX³ 100H with CTX³ 100 DC with lug type terminals (p. 170)
		Mounting unit
		This device is used for joining together MPX³ MCPBs and CTX³ contactors
		Screws not supplied
1	4 174 60	For MPX³ 32S/32H/32MA
1	4 174 61	For MPX³ 63H
1	4 174 62	For MPX³ 100H

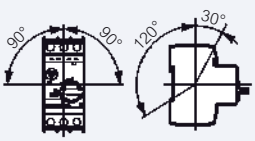
Pack	Cat. Nos	Rotary handle
		Mounting on panel's door to control the MPX³
1	4 174 63	For MPX³ 32H and 32 MA
1	4 174 64	For MPX³ 63H
1	4 174 65	For MPX³ 100H

Pack	Cat. Nos	Phase busbar
		For parallel connection of MPX³
		For MPX³ 32S, 32H and 32MA
		Rated current 63 A
1	4 174 71	2 devices
1	4 174 73	3 devices
1	4 174 75	4 devices
1	4 174 76	5 devices
1	4 174 77	Feeder for phase busbar
		For MPX³ 63H
		Rated current 108 A
1	4 174 72	2 devices
1	4 174 74	3 devices

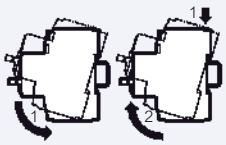
Pack	Cat. Nos	Enclosures for MPX³ 32H and 32MA
		IP 65 enclosure to use in dusty areas as well as in presence of corrosive gas or liquid
1	4 174 80	With yellow/red rotary handle
1	4 174 81	With black rotary handle

Mounting

MPX³ 32: 35 mm ⎍ rail (depth 15 mm)
MPX³ 63: 35 mm ⎍ rail (depth 15 mm) or screws
MPX³ 100: 35 mm (depth 15 mm) or 75 mm ⎍ rail or screws



Operating positions



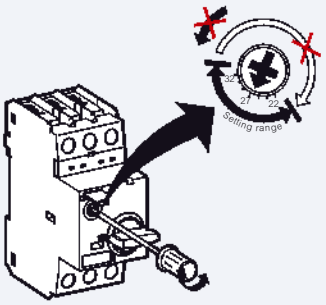
DIN rail mounting

Environment

Ambient air temperature:
- storage: -50…+80°C
- operation: -20…+60°C
Ambient temperature compensation: - 20…+60°C
Maximum operating altitude: 2000 m
Protection degree: IP20
Shock resistance: 25 g
Vibration resistance: 5~150 Hz

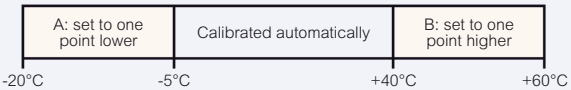
Caution for thermal adjustments

1. Keep the setting range as shown below
2. Moving counterclockwise out of the setting range may cause the damage of the device



Dial setting method

3. Calibration by ambient air temperature



In case of using out of the standard air temperature range (-5°C to +40°C) it needs to be calibrated by one point

Power consumption

	MPX³ 32S	MPX³ 32H/MA	MPX³ 63H	MPX³ 100H
Total power loss Pv	In = 0.16 to 1.6 A: 4.4	In = 0.16 to 1.6 A: 4.4	In = 10 to 22 A: 10.2	In = 17 to 32 A : 15
Circuit breaker at rated load operating temperature (W)	In = 2.5 to 26 A : 7.4 In = 32 A : 4.0	In = 2.5 to 26 A : 7.4 In = 32 A : 4.0	In = 26 to 63 A: 9.7	In = 40 to 63 A : 21.8 In = 75 to 100 A: 17.8

MPX³ 32S

Rated operational current Ie (A)	**0.16**	**0.25**	**0.4**	**0.63**	**1**	**1.6**	**2.5**	**4**	**6**	**8**	**10**	**13**	**17**	**22**	**26**	**32**
Switching of standard three-phase motors AC-2, AC-3																
230/240V (kW)	-	0.03	0.06	0.09	0.12	0.18/0.25	0.37	0.55/0.75	1.1/1.5	1.5	2.2/3	3	3.7/4	4	5.5	7.5
400/415V (kW)	0.02	0.06	0.09	0.12	0.18/0.25	0.37/0.55	0.75	1.1/1.5	2.2	3	3.7/4	5.5	7.5	7.5	11	15
500V (kW)	-	-	-	0.25	0.37	0.55/0.75	1.1	1.5/2.2	3	3.7	4/5.5	7.5	11	11	15	18.5
690V (kW)	-	-	-	0.25	0.37/0.55	0.75/1.1	1.5	2.2/3	3.7/4	5.5	7.5	11	11	15	18.5	22
Back-up fuses gG, gL, only if Icc > Icu (* = no back up fuse required)																
230/240V (A)	*	*	*	*	*	*	*	*	*	*	*	*	*	125	125	125
400/415V (A)	*	*	*	*	*	*	*	*	*	*	80	80	100	100	100	100
440/460V (A)	*	*	*	*	*	*	*	50	50	63	63	80	80	100	100	100
500V (A)	*	*	*	*	*	*	50	40	50	63	63	80	80	80	80	80
690V (A)	*	*	*	*	*	20	35	40	50	63	63	63	63	63	63	63

MPX³ 32H

Rated operational current Ie (A)	**0.16**	**0.25**	**0.4**	**0.63**	**1**	**1.6**	**2.5**	**4**	**6**	**8**	**10**	**13**	**17**	**22**	**26**	**32**
Switching of standard three-phase motors AC-2, AC-3																
230/240V (kW)	-	0.03	0.06	0.09	0.12	0.18/0.25	0.37	0.55/0.75	1.1/1.5	1.5	2.2/3	3	3.7/4	4	5.5	7.5
400/415V (kW)	0.02	0.06	0.09	0.12	0.18/0.25	0.37/0.55	0.75	1.1/1.5	2.2	3	3.7/4	5.5	7.5	7.5	11	15
500V (kW)	-	-	-	0.25	0.37	0.55/0.75	1.1	1.5/2.2	3	3.7	4/5.5	7.5	11	11	15	18.5
690V (kW)	-	-	-	0.25	0.37/0.55	0.75/1.1	1.5	2.2/3	3.7/4	5.5	7.5	11	11	15	18.5	22
Back-up fuses gG, gL, only if Icc > Icu (* = no back up fuse required)																
230/240V (A)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
400/415V (A)	*	*	*	*	*	*	*	*	*	*	*	*	100	125	125	125
440/460V (A)	*	*	*	*	*	*	*	*	*	80	80	80	80	100	100	100
500V (A)	*	*	*	*	*	*	*	*	*	63	80	80	80	80	80	80
690V (A)	*	*	*	*	*	*	35	40	50	63	63	63	63	63	63	63

MPX³ 32MA

Rated operational current Ie	(A)	0.16	0.25	0.4	0.63	1	1.6	2.5	4	6	8	10	13	17	22	26	32
AC-2, AC-3																	
230/240V	(kW)	-	0.03	0.06	0.09	0.12	0.18/0.25	0.37	0.55/0.75	1.1/1.5	1.5	2.2/3	3	3.7/4	4	5.5	7.5
400/415V	(kW)	0.02	0.06	0.09	0.12	0.18/0.25	0.37/0.55	0.75	1.1/1.5	2.2	3	3.7/4	5.5	7.5	7.5	11	15
500V	(kW)	-	-	-	0.25	0.37	0.55/0.75	1.1	1.5/2.2	3	3.7	4/5.5	7.5	11	11	15	18.5
690V	(kW)	-	-	-	0.25	0.37/0.55	0.75/1.1	1.5	2.2/3	3.7/4	5.5	7.5	11	11	15	18.5	22
Back-up fuses gG, gL, only if Icc > Icu (* = no back up fuse required)																	
230/240V	(A)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
400/415V	(A)	*	*	*	*	*	*	*	*	*	*	*	*	100	125	125	125
440/460V	(A)	*	*	*	*	*	*	*	*	*	80	80	80	80	100	100	100
500V	(A)	*	*	*	*	*	*	*	*	*	63	80	80	80	80	80	80
690V	(A)	*	*	*	*	*	*	35	40	50	63	63	63	63	63	63	63

MPX³ 63H

Rated operational current Ie	(A)	10	13	17	22	26	32	40	50	63
Switching of standard three-phase motors AC-2, AC-3										
230/240V	(kW)	2.2/3	3	3.7/4	4	5.5	7.5	7.5	11	15
400/415V	(kW)	3.7/4	5.5	7.5	7.5	11	15	18.5	22	30
500V	(kW)	4/5.5	7.5	11	11	15	18.5	22	30	37
690V	(kW)	7.5	11	11	15	18.5	22	30	45	55
Back-up fuses gG, gL, only if Icc > Icu (* = no back up fuse required)										
230/240V	(A)	*	*	*	*	*	*	*	*	*
400/415V	(A)	*	*	100	125	125	125	160	160	160
440/460V	(A)	100	100	100	125	125	125	125	125	160
500V	(A)	100	100	100	100	100	100	100	100	100
690V	(A)	63	63	63	80	80	80	80	80	80

MPX³ 100H

Rated operational current Ie	(A)	17	22	26	32	40	50	63	75	90	100
Switching of standard three-phase motors AC-2, AC-3											
230/240V	(kW)	3.7/4	4	5.5	7.5	7.5	11	15	22	30	30
400/415V	(kW)	7.5	7.5	11	15	18.5	22	30	37	45	45
500V	(kW)	11	11	15	18.5	22	30	37	45	55	63
690V	(kW)	11	15	18.5	22	30	45	55	63	75	90
Back-up fuses gG, gL, only if Icc > Icu (* = no back up fuse required)											
230/240V	(A)	*	*	*	*	*	*	*	*	*	*
400/415V	(A)	*	*	*	*	*	*	*	*	*	*
440/460V	(A)	125	125	125	160	160	160	200	200	200	200
500V	(A)	100	125	125	125	160	160	160	160	160	160
690V	(A)	80	80	80	80	80	100	100	125	160	160

For dimensions and wiring capacity
see e-catalogue

3-pole contactors CTX³ and thermal overload relays RTX³

technical characteristics

Contactor			CTX³ 22				CTX³ 40		CTX³ 65	
										
Size			2				3		4	
Terminals type			screw				screw		screw or lug	
Rated operational voltage, Ue			690 V				690 V		690 V	
Rated insulation voltage, Ui			690 V				1000 V		1000 V	
Rated frequency			50/60 Hz				50/60 Hz		50/60 Hz	
Rated impulse withstand voltage, Uimp			6 kV				8 kV		8 kV	
Max. operating rate in operation cycle per hour (AC3)			1200				1800		1800	
Durability in millions of operations		Mechanical	15				12		12	
		Electrical	2.5				2		2	
		Type	9 A	12 A	18 A	22 A	32 A	40 A	50 A	65 A
Current and power	AC-1	Thermal current (A)	25	25	40	40	50	60	70	100
	AC-3	200/240 V (kW)	2.5	3.5	4.5	5.5	7.5	11	15	18.5
		(A)	11	13	18	22	32	40	55	65
		380/440 V (kW)	4	5.5	7.5	11	15	18.5	22	30
		(A)	9	12	18	22	32	40	50	65
		500/550 V (kW)	4	7.5	7.5	15	18.5	22	30	33
		(A)	7	12	13	20	28	32	43	60
		690 V (kW)	4	7.5	7.5	15	18.5	22	30	33
		(A)	5	9	9	18	20	23	28	35
UL rating 50/60 Hz		Continuous current (A)	25	25	40	40	50	60	70	100
	Single phase	110/220 V (HP)	0.5	0.75	1	2	2	3	3	5
		220/240 V (HP)	1.5	2	3	3	5	7.5	10	15
	Three phase	200/208 V (HP)	2	3	5	7.5	7.5	15	20	25
		220/240 V (HP)	3	5	7.5	10	10	15	25	30
		440/480 V (HP)	5	7.5	10	15	20	30	40	50
		550/600 V (HP)	7.5	10	15	20	25	30	50	60
		NEMA size	00	00	0	1	1	1	2	2
Weight and size	AC control	Weight (kg)	0.34				0.4		0.9	
		Size (W x H x D) (mm)	45 × 73.5 × 87.4				45 × 83 × 90		55 × 106 × 119	
	DC control	Weight (kg)	0.41				0.6		1.2	
		Size (W x H x D) (mm)	45 × 73.5 × 103.6				45 ×83 × 117.1		55 × 106 × 146.4	
Integrated auxiliary contacts			1 NO + 1 NC				2 NO + 2 NC		2 NO + 2 NC	
Add on auxiliary block		Side mounting	Yes				Yes		Yes	
		Front mounting	Yes				Yes		Yes	

Thermal overload relay		RTX³ 40	RTX³ 40	RTX³ 65
				
Terminals type	Non differential RTX³	screw	screw	screw
	Differential RTX³	screw	screw	lug
Rated operational voltage, Ue		690 V	690 V	690 V
Rated insulation voltage, Ui		690 V	690 V	690 V
Rated impulse withstand voltage, Uimp		6 kV	6 kV	6 kV
Trip class		10 A	10 A	10 A
Setting		0.1 to 40 A	0.1 to 40 A	9 to 65 A
Weight and size	Weight (kg)	0.17	0.17	0.31/0.33
	Size (W x H x D) (mm)	45 × 75 × 90	45 × 75 × 90	55 × 81 × 100

	CTX³ 100			CTX³ 150		CTX³ 225		CTX³ 400			CTX³ 800		
													
	5			6		7		8			9		
	screw or lug			screw or lug		screw		screw			screw		
	690 V			690 V		690 V		690 V			690 V		
	1000 V			1000 V		1000 V		1000 V			1000 V		
	50/60 Hz			50/60 Hz		50/60 Hz		50/60 Hz			50/60 Hz		
	8 kV			8 kV		8 kV		8 kV			8 kV		
	1800			1200		1200		1200			1200		
	12			5		5		5		2.5	2.5		
	2			1		1		1		0.5	0.5		
	75 A	85 A	100 A	130 A	150 A	185 A	225 A	265 A	330 A	400 A	500 A	630 A	800 A
	110	135	160	160	210	230	275	300	350	450	580	660	900
	22	25	30	37	45	55	75	80	90	125	147	190	220
	75	85	105	130	150	185	225	265	330	400	500	630	800
	37	45	55	60	75	90	132	147	160	200	265	330	440
	75	85	105	130	150	185	225	265	330	400	500	630	800
	37	45	55	60	70	110	132	147	160	225	265	330	500
	64	75	85	90	100	180	200	225	280	350	400	500	720
	37	45	55	55	55	110	140	160	200	250	300	400	500
	42	45	65	60	60	120	150	185	225	300	380	420	630
	110	135	160	160	210	230	275	300	350	450	580	660	900
	5	7.5	10	10	15	15	15	-	-	-	-	-	-
	15	15	20	20	25	30	40	-	-	-	-	-	-
	25	30	30	40	40	60	60	75	100	125	150	200	200
	30	40	40	40	50	60	75	100	125	150	200	250	300
	50	60	75	75	100	125	150	200	250	300	400	500	600
	60	75	75	75	75	125	150	200	250	300	400	500	600
	2	3	3	3	4	4	4	5	5	5	6	6	7
	1.6			2.4		5.4		9.2			22.4		
	70 × 140 × 135.8			95 × 158 × 130.3		138 × 203 × 185.1		163 × 243 × 204.4			285 × 312 × 245.3		
	2.6			2.4		5.4		9.2			22.4		
	70 × 140 × 172.3			95 × 158 × 130.3		138 × 203 × 185.1		163 × 243 × 204.4			285 × 312 × 245.3		
	2 NO + 2 NC			2 NO + 2 NC		2 NO + 2 NC		2 NO + 2 NC			2 NO + 2 NC		
	Yes			Yes		Yes		Yes			Yes		
	Yes			Yes		No		No			No		

	RTX³ 100	RTX³ 150	RTX³ 225	RTX³ 400	RTX³ 800
					
	screw	screw	-	-	-
	lug	lug	screw	screw	screw
	690 V	690 V	690 V	690 V	690 V
	690 V	690 V	690 V	690 V	690 V
	6 kV	6 kV	6 kV	6 kV	6 kV
	10 A	10 A	10 A	10 A	10 A
	18 to 100 A	45 to 150 A	65 to 240 A	85 to 400 A	200 to 800 A
	0.48/0.5	0.67	2.5	2.6	11.5
	70 × 97 × 110	95 × 109 × 113	147 × 141 × 184	151 × 171 × 198	360 × 530 × 212

3-pole contactors CTX³

9 A to 100 A industrial contactors

N AVAILABLE SEPT 2014


4 160 96


4 161 26


4 161 46


4 161 56


4 161 86


4 161 96

Technical characteristics **p. 175-177**
Dimensions and coordination with circuit breakers **see e-catalogue**

Conform to IEC 60947-1, IEC 60947-4-1
Can be equipped with RTX³ thermal relays (p. 172) add-on auxiliary contact blocks, time delay blocks, capacitor switching units and CTX³ interlocking (p. 174)

CTX³ 22

With integrated auxiliary contacts
Power terminals: screw terminals

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
9 A				
1	4 160 80	9 A	24 V~	1 NO + 1 NC
1	4 160 81	9 A	24 V⎓	1 NO + 1 NC
1	4 160 84	9 A	110 V~	1 NO + 1 NC
1	4 160 86	9 A	230 V~	1 NO + 1 NC
1	4 160 89	9 A	415 V~	1 NO + 1 NC
12 A				
1	4 160 90	12 A	24 V~	1 NO + 1 NC
1	4 160 91	12 A	24 V⎓	1 NO + 1 NC
1	4 160 94	12 A	110 V~	1 NO + 1 NC
1	4 160 96	12 A	230 V~	1 NO + 1 NC
1	4 160 99	12 A	415 V~	1 NO + 1 NC
18 A				
1	4 161 00	18 A	24 V~	1 NO + 1 NC
1	4 161 01	18 A	24 V⎓	1 NO + 1 NC
1	4 161 04	18 A	110 V~	1 NO + 1 NC
1	4 161 06	18 A	230 V~	1 NO + 1 NC
1	4 161 09	18 A	415 V~	1 NO + 1 NC
22 A				
1	4 161 10	22 A	24 V~	1 NO + 1 NC
1	4 161 11	22 A	24 V⎓	1 NO + 1 NC
1	4 161 14	22 A	110 V~	1 NO + 1 NC
1	4 161 16	22 A	230 V~	1 NO + 1 NC
1	4 161 19	22 A	415 V~	1 NO + 1 NC

CTX³ 40

With integrated auxiliary contacts
Power terminals: screw terminals

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
32 A				
1	4 161 20	32 A	24 V~	2 NO + 2 NC
1	4 161 21	32 A	24 V⎓	2 NO + 2 NC
1	4 161 24	32 A	110 V~	2 NO + 2 NC
1	4 161 26	32 A	230 V~	2 NO + 2 NC
1	4 161 29	32 A	415 V~	2 NO + 2 NC
40 A				
1	4 161 30	40 A	24 V~	2 NO + 2 NC
1	4 161 31	40 A	24 V⎓	2 NO + 2 NC
1	4 161 34	40 A	110 V~	2 NO + 2 NC
1	4 161 36	40 A	230 V~	2 NO + 2 NC
1	4 161 39	40 A	415 V~	2 NO + 2 NC

CTX³ 65

With integrated auxiliary contacts

Pack	Cat.Nos Screw terminals	Cat.Nos Lug terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
50 A					
1	4 161 40	4 161 50	50 A	24 V~	2 NO + 2 NC
1	4 161 41	4 161 51	50 A	24 V⎓	2 NO + 2 NC
1	4 161 44	4 161 54	50 A	110 V~	2 NO + 2 NC
1	4 161 46	4 161 56	50 A	230 V~	2 NO + 2 NC
1	4 161 49	4 161 59	50 A	415 V~	2 NO + 2 NC
65 A					
1	4 161 60	4 161 70	65 A	24 V~	2 NO + 2 NC
1	4 161 61	4 161 71	65 A	24 V⎓	2 NO + 2 NC
1	4 161 64	4 161 74	65 A	110 V~	2 NO + 2 NC
1	4 161 66	4 161 76	65 A	230 V~	2 NO + 2 NC
1	4 161 69	4 161 79	65 A	415 V~	2 NO + 2 NC

CTX³ 100

With integrated auxiliary contacts

Pack	Cat.Nos Screw terminals	Cat.Nos Lug terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
75 A					
1	4 161 80	4 161 90	75 A	24 V~	2 NO + 2 NC
1	4 161 81	4 161 91	75 A	24 V⎓	2 NO + 2 NC
1	4 161 84	4 161 94	75 A	110 V~	2 NO + 2 NC
1	4 161 86	4 161 96	75 A	230 V~	2 NO + 2 NC
1	4 161 89	4 161 99	75 A	415 V~	2 NO + 2 NC
85 A					
1	4 162 00	4 162 10	85 A	24 V~	2 NO + 2 NC
1	4 162 01	4 162 11	85 A	24 V⎓	2 NO + 2 NC
1	4 162 04	4 162 14	85 A	110 V~	2 NO + 2 NC
1	4 162 06	4 162 16	85 A	230 V~	2 NO + 2 NC
1	4 162 09	4 162 19	85 A	415 V~	2 NO + 2 NC
100 A					
1	4 162 20	4 162 30	100 A	24 V~	2 NO + 2 NC
1	4 162 21	4 162 31	100 A	24 V⎓	2 NO + 2 NC
1	4 162 24	4 162 34	100 A	110 V~	2 NO + 2 NC
1	4 162 26	4 162 36	100 A	230 V~	2 NO + 2 NC
1	4 162 29	4 162 39	100 A	415 V~	2 NO + 2 NC

Add-on auxiliary contact blocks **p. 174**



For dimensions, wiring capacity and coordination with circuit breakers **see e-catalogue**

3-pole contactors CTX³

130 A to 800 A industrial contactors

N AVAILABLE SEPT 2014



4 162 46



4 162 56



4 162 96



4 163 56

Technical characteristics **p. 175-177**
Dimensions and coordination with circuit breakers **see e-catalogue**

Conform to IEC 60947-1, IEC 60947-4-1
Can be equipped with RTX³ thermal relays (p. 172-173) add-on auxiliary contact blocks, time delay blocks (except CTX³ 225/400/800) and CTX³ interlocking (p. 174)

CTX³ 150

With integrated auxiliary contacts

130 A

Pack	Cat.Nos Screw terminals	Cat.Nos Lug terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 162 40	4 162 50	130 A	24 V~	2 NO + 2 NC
1	4 162 41	4 162 51	130 A	24 V⎓	2 NO + 2 NC
1	4 162 46	4 162 56	130 A	100-240 V~/⎓	2 NO + 2 NC
1	4 162 49	4 162 59	130 A	400-440 V~	2 NO + 2 NC

150 A

Pack	Cat.Nos Screw terminals	Cat.Nos Lug terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 162 60	4 162 70	150 A	24 V~	2 NO + 2 NC
1	4 162 61	4 162 71	150 A	24 V⎓	2 NO + 2 NC
1	4 162 66	4 162 76	150 A	100-240 V~/⎓	2 NO + 2 NC
1	4 162 69	4 162 79	150 A	400-440 V~	2 NO + 2 NC

CTX³ 225

With integrated auxiliary contacts

185 A

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 162 80	185 A	24 V~/⎓	2 NO + 2 NC
1	4 162 86	185 A	100-240 V~/⎓	2 NO + 2 NC
1	4 162 89	185 A	380-450 V~	2 NO + 2 NC

225 A

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 162 90	225 A	24 V~/⎓	2 NO + 2 NC
1	4 162 96	225 A	100-240 V~/⎓	2 NO + 2 NC
1	4 162 99	225 A	380-450 V~	2 NO + 2 NC

CTX³ 400

With integrated auxiliary contacts

265 A

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 163 06	265 A	100-240 V~/⎓	2 NO + 2 NC
1	4 163 09	265 A	380-450 V~	2 NO + 2 NC

330 A

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 163 16	330 A	100-240 V~/⎓	2 NO + 2 NC
1	4 163 19	330 A	380-450 V~	2 NO + 2 NC

400 A

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 163 26	400 A	100-240 V~/⎓	2 NO + 2 NC
1	4 163 29	400 A	380-450 V~	2 NO + 2 NC

CTX³ 800

With integrated auxiliary contacts

500 A

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 163 36	500 A	200-240 V~/⎓	2 NO + 2 NC
1	4 160 39	500 A	380-450 V~	2 NO + 2 NC

630 A

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 163 46	630 A	200-240 V~/⎓	2 NO + 2 NC
1	4 163 49	630 A	380-450 V~	2 NO + 2 NC

800 A

Pack	Cat.Nos Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4 163 56	800 A	200-240 V~/⎓	2 NO + 2 NC
1	4 163 59	800 A	380-450 V~	2 NO + 2 NC

Add-on auxiliary contact blocks **p. 174**



Mini contactors 6 to 16 A, spare coils
Please, consult us

Thermal relays RTX³

for CTX³ 3-pole industrial contactors

N AVAILABLE SEPT 2014


4 166 70


4 166 90


4 167 31


4 167 65

Technical characteristics **p. 175-177**
Dimensions and coordination with circuit breakers **see e-catalogue**

Thermal protection against overloads, long starting times and lasting stalling of the motor
Differential type ensures a better protection in case of one phase failure thanks to faster tripping
Conform to IEC 60 947-1, IEC 60 947-4-1

Thermal overload relays

Class 10A
Integrated auxiliary contacts 1 NO + 1 NC

RTX³ 40

For CTX³ 22 and 40
With screw terminals

Pack	Cat. Nos Type non diff.	Cat. Nos Type diff.	Adjustment range I min. (A)	Adjustment range I max. (A)
1	4 166 40	4 166 60	0.1	0.16
1	4 166 41	4 166 61	0.16	0.25
1	4 166 42	4 166 62	0.25	0.4
1	4 166 43	4 166 63	0.4	0.63
1	4 166 44	4 166 64	0.63	1
1	4 166 45	4 166 65	1	1.6
1	4 166 46	4 166 66	1.6	2.5
1	4 166 47	4 166 67	2.5	4
1	4 166 48	4 166 68	4	6
1	4 166 49	4 166 69	5	8
1	4 166 50	4 166 70	6	9
1	4 166 51	4 166 71	7	10
1	4 166 52	4 166 72	9	13
1	4 166 53	4 166 73	12	18
1	4 166 54	4 166 74	16	22
1	4 166 55	4 166 75	18	25
1	4 166 56	4 166 76	22	32
1	4 166 57	4 166 77	28	40

RTX³ 65

For CTX³ 65
Non differential type with screw terminals
Differential type with lug terminals

1	4 166 83	4 167 03	9	13
1	4 166 84	4 167 04	12	18
1	4 166 85	4 167 05	16	22
1	4 166 86	4 167 06	18	25
1	4 166 87	4 167 07	24	36
1	4 166 88	4 167 08	28	40
1	4 166 89	4 167 09	34	50
1	4 166 90	4 167 10	45	65

Thermal overload relays (continued)

Class 10A
Integrated auxiliary contacts 1 NO + 1 NC

RTX³ 100

For CTX³ 100
Non differential type with screw terminals
Differential type with lug terminals

Pack	Cat. Nos Type non diff.	Cat. Nos Type diff.	Adjustment range I min. (A)	Adjustment range I max. (A)
1	4 167 23	4 167 43	18	25
1	4 167 24	4 167 44	24	36
1	4 167 25	4 167 45	28	40
1	4 167 26	4 167 46	34	50
1	4 167 27	4 167 47	45	65
1	4 167 28	4 167 48	54	75
1	4 167 29	4 167 49	63	85
1	4 167 30	4 167 50	70	95
1	4 167 31	4 167 51	80	100

RTX³ 150

For CTX³ 150
Non differential type with screw terminals
Differential type with lug terminals

1	4 167 60	4 167 70	45	65
1	4 167 61	4 167 71	54	75
1	4 167 62	4 167 72	63	85
1	4 167 63	4 167 73	80	105
1	4 167 64	4 167 74	95	130
1	4 167 65	4 167 75	110	150

Separate mounting units

To mount the relays separately from contactors, on DIN rail or panel by fixing screws

Pack	Cat. Nos	
1	4 165 91	For RTX³ 40 up to 32 A
1	4 165 92	For RTX³ 40 40 A
1	4 165 93	For RTX³ 65 with screw terminals
1	4 165 94	For RTX³ 65 with lug terminals
1	4 165 95	For RTX³ 100 with screw terminals
1	4 165 96	For RTX³ 100 with lug terminals
1	4 165 97	For RTX³ 150 with screw terminals
1	4 165 98	For RTX³ 150 with lug terminals

For dimensions and coordination with circuit breakers **see e-catalogue**

Thermal relays RTX³

for CTX³ 3-pole industrial contactors

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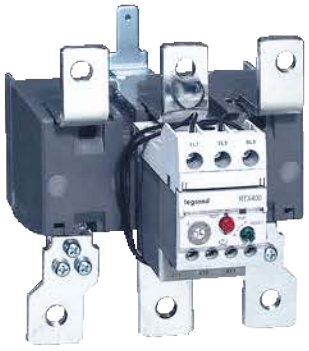
4 167 84



4 167 91

Technical characteristics **p. 175-177**
Dimensions and coordination with circuit breakers **see e-catalogue**

Conform to IEC 60 947-1, IEC 60 947-4-1

Pack	Cat. Nos	Thermal overload relays		
		Class 10A Integrated auxiliary contacts 1 NO + 1 NC		
		RTX³ 225		
		For CTX³ 225 With screw terminals		
			Adjustment range	
	Type diff		I min. (A)	I max. (A)
1	4 167 80		65	100
1	4 167 81		85	125
1	4 167 82		100	160
1	4 167 83		120	185
1	4 167 84		160	240
		RTX³ 400		
		For CTX³ 400 With screw terminals		
1	4 167 86		85	125
1	4 167 87		100	160
1	4 167 88		120	185
1	4 167 89		160	240
1	4 167 90		200	330
1	4 167 91		260	400
		RTX³ 800		
		For CTX³ 800 With screw terminals		
1	4 167 92		200	300
1	4 167 93		260	400
1	4 167 94		400	600
1	4 167 95		520	800

Pack	Cat. Nos	RTX³ remote reset unit
		Flexible cable to reset the relay on the panel door For RTX³ 40/65/100
1	4 168 92	Length 400 mm
1	4 168 93	Length 500 mm
1	4 168 94	Length 600 mm

4-pole contactors CTX³

22 A to 800 A industrial contactors

N AVAILABLE SEPT 2014



4 164 36



4 164 56



4 164 86

Technical characteristics **p. 175-177**
Dimensions and coordination with circuit breakers **see e-catalogue**

Conform to IEC 60 947-1, IEC 60 947-4-1

Pack	Cat. Nos	Contactors CTX³		
		Power terminals: screw terminals		
		Without integrated auxiliary contact		
		Max. operating current AC 1	Max. operating current AC 3	Control Voltage
1	4 164 26	40 A	22 A	230 V∿
1	4 164 36	60 A	40 A	230 V∿
1	4 164 46	100 A	65 A	230 V∿
1	4 164 56	135 A	85 A	230 V∿
		With integrated auxiliary contacts		
		Auxiliary contacts: 2 NO + 2 NC		
1	4 164 66	155 A	120 A	100-240 V∿/⎓
1	4 164 76	200 A	150 A	100-240 V∿/⎓
1	4 164 86	260 A	225 A	100-240 V∿/⎓
1	4 164 96	350 A	330 A	100-240 V∿/⎓
1	4 165 06	420 A	400 A	100-240 V∿/⎓
1	4 165 16	660 A	630 A	200-240 V∿/⎓
1	4 165 26	800 A	800 A	200-240 V∿/⎓

Mechanichal interlocks
p. 174



For dimensions of 4 pole contactors
see e-catalogue

CTX³ accessories

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4 168 50


4 168 55


4 168 70


4 168 79


4 168 91


4 168 97


4 168 40

Technical characteristics **p. 175-177**
Dimensions **see e-catalogue**

CTX³ add-on auxiliary contact blocks

Pack	Cat. Nos	
		Front mounting
		For contactors CTX³ 22/40/65/100/150 2 and 4 pole Ith: 16 A
1	4 168 50	1 NO + 1 NC
1	4 168 51	2 NO
1	4 168 52	2 NC
1	4 168 53	4 NO
1	4 168 54	3 NO + 1 NC
1	4 168 55	2 NO + 2 NC
1	4 168 56	1 NO + 3 NC
1	4 168 57	4 NC
		Side mounting
		2-pole Mounting on both sides
1	4 168 58	For contactors CTX³ 22/40/65/100/150 1 NO + 1 NC - Ith: 16 A
1	4 168 59	For contactors CTX³ 225/400/800 1 NO + 1 NC - Ith: 16 A
1	4 168 49	For contactors CTX³ 4P from 40 A to 135 A (AC-1) 1 NO + 1 NC - Ith: 16 A

CTX³ time delay blocks

Pack	Cat. Nos	
		For contactors CTX³ 22/40/65/100/150 Time delay: 1 to 30 s Front mounting
		On delay
1	4 168 70	24-48 V~/⎓
1	4 168 71	110-230 V~
		Off delay
1	4 168 72	24-48 V~/⎓
1	4 168 73	110-230 V~

CTX³ capacitor switching units

Pack	Cat. Nos	
1	4 168 74	6 to 40 A, for contactors CTX³ 22/40 (technical characteristics and dimensions p. 177)
1	4 168 75	50 to 100 A, for contactors CTX³ 65/100 (technical characteristics and dimensions p. 177)

CTX³ interlocking

Pack	Cat. Nos	
		Component parts for assembling by customer Horizontal mounting
		Interlock units
1	4 168 79	Mechanical interlocks for CTX³ 4P from 40 to 135 A (AC-3) (p. 173)
1	4 168 80	Mechanical interlocks for CTX³ 22/40/65/100/150 (p. 170-171) Provides 2 NC contacts for use in electrical interlocking
1	4 168 87	Mechanical interlocks for CTX³ 3P and 4P 180 to 400 A (p. 171 and 173)
1	4 168 88	Mechanical interlocks for CTX³ 3P 500 to 800 A (p. 171)
1	4 168 89	Mechanical interlocks for CTX³ 4P 500 to 800 A (p. 173)
		Wire kits
		Used for making reversing between two contactors
1	4 168 82	For CTX³ 22
1	4 168 83	For CTX³ 40
1	4 168 84	For CTX³ 65
1	4 168 85	For CTX³ 100

Boxes for motor starter

Pack	Cat. Nos	
		For CTX³ 22 equipped with RTX³ 40 (0.1 - 22 A)
1	4 168 90	Without pushbuttons
1	4 168 91	With pushbuttons

CTX³ transient voltage suppressor blocks

Pack	Cat. Nos	
		Absorbs the surge arisen out of the coil of the contactor
1	4 168 95	24-48 V V~/⎓
1	4 168 96	100-125 V~/⎓
1	4 168 97	200-240 V~/⎓
1	4 168 98	380-400 V~

CTX³ terminals covers

Pack	Cat. Nos	
1	4 168 42	For CTX³ 225 3P
1	4 168 43	For CTX³ 400 3P
1	4 168 44	For CTX³ 800 3P
1	4 168 45	For CTX³ 225 4P
1	4 168 46	For CTX³ 400 4P
1	4 168 47	For CTX³ 800 4P

CTX³ safety front cover

Pack	Cat. Nos	
1	4 168 40	For CTX³ 22/40/65/100/150
1	4 168 41	For CTX³ 225/400/800

Control relays CTX³

Contactors CTX³

technical characteristics



4 168 10

Technical characteristics **p. 175-177**
Dimensions **see e-catalogue**

Pack	Cat. Nos	**CTX³ control relays**
		4-pole Conform to IEC 60 947 Ith = 16 A Low consuption coil
		4 NO
1	4 168 00	24 V∿
1	4 168 01	24 V⎓
1	4 168 04	110 V∿
1	4 168 06	230 V∿
1	4 168 09	415 V∿
		3 NO + 1 NC
1	4 168 10	24 V∿
1	4 168 11	24 V⎓
1	4 168 14	110 V∿
1	4 168 16	230 V∿
1	4 168 19	415 V∿
		2 NO + 2 NC
1	4 168 20	24 V∿
1	4 168 21	24 V⎓
1	4 168 24	110 V∿
1	4 168 26	230 V∿
1	4 168 29	415 V∿

Accessory

Interlock unit, Cat.No 4 168 80

The mechanical interlock unit provides 2NC contacts for use in electrical interlocking of two contactors

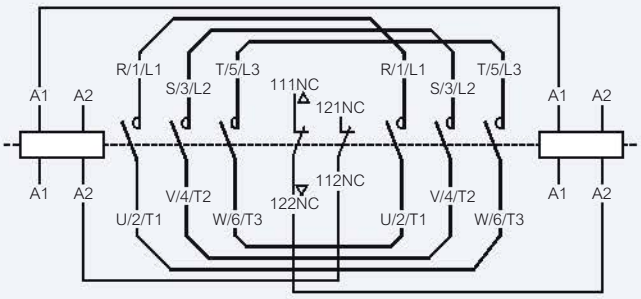
Wire kits

Used for making reversing circuit between two contactors

Contactor	Wire kit		Interlock unit	
	Cat.No	Weight	Cat.No	Weight
CTX³ 22	4 168 82	0.04 kg	4 168 80	0.06 kg
CTX³ 40	4 168 83	0.05 kg		
CTX³ 65	4 168 84	0.12 kg		
CTX³ 100	4 168 85	0.33 kg		
CTX³ 150	-	-		

Rating of the contacts in the interlocks

Rated operation voltage (V)		600
Rated insulation voltage (V)		600
Rated frequency (Hz)		50/60
Rated thermal current (A)		10
Rated operation current (A)		
AC15 duty (A600)	120 V	6
	240 V	3
	380 V	1.9
	480 V	1.5
	500 V	1.4
	600 V	1.2
DC13 duty (Q300)	125 V	0.55
	250 V	0.27



CTX³ 9 A - 150 A typical circuit diagram for reversing contactor

Time delay blocks Cat.No 4 168 70/71/72/73

Applying contactors		Cat.No	Rated voltage	Performance
CTX³ 22 to CTX³ 150	On delay	4 168 70	AC/DC 24 to 48 V	• Mounting: Head on • Contact: 1 NC • Time delay: 1s to 30s On delay, Off delay • Frequency: AC 50/60 hz • Operation: Min. voltage 85% Max. voltage 110% • Accuracy of setting time: ± 20 %
		4 168 71	AC 110 to 230 V	
	Off delay	4 168 72	AC/DC 24 to 48 V	
		4 168 73	AC 110 to 230 V	

Type 2 coordination with MPCBs MPX³

According to IEC 60947-4-1
Short circuit current Iq = 50 kA Voltage 400/415 V~ 50/60 Hz

Standard motors AC-3 at 400/415 V 1500 rpm		Manual motor starter					
		MPCB type		Thermal ovreload release setting range	Magnetic release response current	Contactor	
Rated Power (kW)	Current (A)	Type	Rating (A)	(A)	(A)	Type	Rating (A)
-	-	MPX³ 32S	0.16	0.1 - 0.16	2.08	CTX³ 22	9
0.06	0.20	MPX³ 32S	0.25	0.16 - 0.25	3.25	CTX³ 22	9
0.09	0.30	MPX³ 32S	0.40	0.25 - 0.4	5.2	CTX³ 22	9
0.12	0.40	MPX³ 32S	0.63	0.4 - 0.63	8.19	CTX³ 22	9
0.18	0.60	MPX³ 32S	0.63	0.4 - 0.63	8.19	CTX³ 22	9
0.25	0.80	MPX³ 32S	1	0.63 - 1	13	CTX³ 22	9
0.37	1.1	MPX³ 32S	1.6	1 - 1.6	20.8	CTX³ 22	9
0.55	1.5	MPX³ 32S	1.6	1 - 1.6	20.8	CTX³ 22	9
0.75	1.9	MPX³ 32S	2.5	1.6 - 2.5	32.5	CTX³ 22	12
1.1	2.7	MPX³ 32S	4	2.5 - 4	52	CTX³ 22	18
1.5	3.6	MPX³ 32S	4	2.5 - 4	52	CTX³ 22	18
2.2	5.2	MPX³ 32S	6	4 - 6	78	CTX³ 22	18
3	6.8	MPX³ 32S	8	5 - 8	104	CTX³ 22	18
4	9	MPX³ 32S	10	6 - 10	130	CTX³ 22	18
5.5	11.5	MPX³ 32H	13	9 - 13	169	CTX³ 22	22
7.5	15.5	MPX³ 32H	17	11 - 17	221	CTX³ 22	22
10	20	MPX³ 32H	22	14 - 22	286	CTX³ 40	32
11	22	MPX³ 32H	25	18 - 26	338	CTX³ 40	32
15	29	MPX³ 32H	32	22 - 32	416	CTX³ 40	32
18.5	35	MPX³ 63H	40	28 - 40	520	CTX³ 65	50
22	41	MPX³ 63H	50	34 - 50	650	CTX³ 65	50
30	55	MPX³ 63H	63	45 - 63	819	CTX³ 65	65
37	67	MPX³ 100H	75	55 - 75	975	CTX³ 100	75
-	-	MPX³ 100H	90	70 - 90	1170	CTX³ 100	85
45	80	MPX³ 100H	100	80 - 100	1300	CTX³ 100	85

Definition type 2 coordination according to IEC 947-4-1:

- The contactor or the starter must not endanger persons or systems in the event of a short-circuit.
- The contactor or the starter must be suitable for further use.
- No damage to the overload relay or other parts may occur with the exception of welding of the contactor or starter contacts provided that these can be easily separated without significant deformation (such as with a screwdriver).

CTX³ capacitor switching units Cat.No 4 168 74/75

Capacitor unit is connected to the terminals of the contactor to reduce the high inrush current.
IEC 60947-4-1 AC 6b

Type	Contactor		Maximum operating power (kvar)			Max. Peak current (A)
			220 - 240 V	400 - 440 V	500 - 550 V	
4 168 74	CTX³ 22	9 A	5	9.7	14	560
	CTX³ 22	12 A	6.7	12.5	18	560
	CTX³ 22	18 A	8.5	16.7	24	850
	CTX³ 22	22 A	10	18	26	1250
	CTX³ 40	32 A	15	25	36	1900
	CTX³ 40	40 A	20	33.3	48	2160
4 168 75	CTX³ 65	50 A	20	40	58	2160
	CTX³ 65	65 A	25	45.7	66	3040
	CTX³ 100	75 A	29.7	54	78	3040
	CTX³ 100	85 A	35	60	92	3040
	CTX³ 100	100 A	37	62	94	3040

Note: - When the switch is closed capacitor must be discharged before recharged. (Maximum residual voltage at terminals ≤ 50 V)
- To prevent short current, gG type fuse must be 1.5 - 2 times than rated current

Features of capacitor unit (Pre-loading resistor)

- Damping resister that can limit the inrush current up to 60 x In by closing earlier than the main contact of the contactor
- No heat loss by the serial resistor
- Eliminates the switching surge
- Improves the performence of the capacitor system

Operation sequence

Capacitor unit: OFF
Contactor: OFF

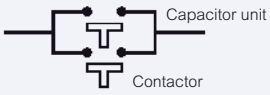


Fig.1

Capacitor unit: ON
Contactor: OFF

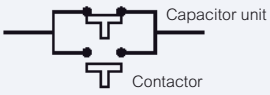


Fig.2

Capacitor unit: OFF
Contactor: ON

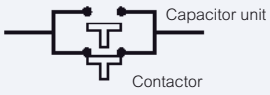
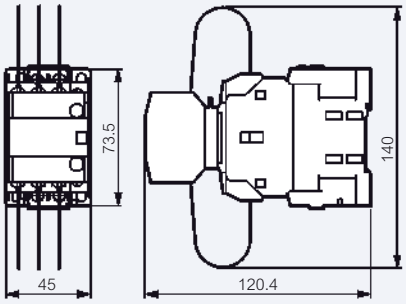


Fig.3

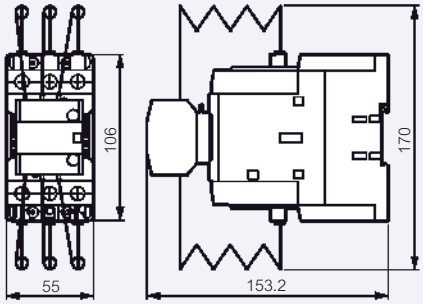
Note - Closing sequence: Fig.1 => Fig.2 => Fig.3
Opening sequence: Fig.3 => Fig.1

Overall dimensions of contactors equipped with CTX³ switching units

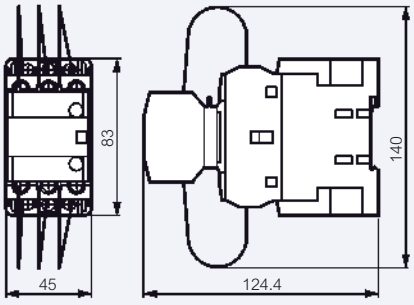
Cat.No 4 168 74 on CTX³ 22



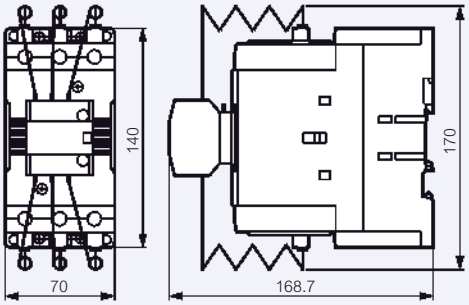
Cat.No 4 168 75 on CTX³ 65



Cat.No 4 168 74 on CTX³ 40



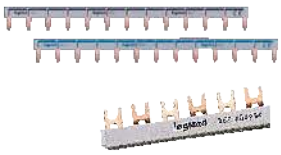
Cat.No 4 168 75 on CTX³ 100



Supply busbars and distribution blocks

SUPPLY BUSBARS FROM 63 TO 90 A

• Isc peak 17 kÂ



Lenght / Prong-type	Universal 1-pole + neutral or 1-pole	2-pole	2-pole balanced on 3-phase	3-pole	4-pole
1 row	4 049 26	4 049 38	4 049 40	4 049 42	4 049 44
meter	4 049 37	4 049 39	4 049 41	4 049 43	4 049 45
Fork-type					
1 row	4 049 11	-		4 049 17	-
meter	4 049 12	4 049 14		4 049 18	4 049 20

DISTRIBUTION TERMINAL BLOCKS FROM 63 TO 100 A

• Isc peak 10 kÂ





Number of outputs	Bar terminal blocks		Insulated terminal blocks IP 2X (XXB)		
	with screws	on support	black	blue	green
4	0 048 01	0 048 20	0 048 50	0 048 40	0 048 30
6			0 048 16	0 048 15	
8	0 048 03	0 048 22	0 048 52	0 048 42	0 048 32
12		0 048 24	0 048 54	0 048 44	0 048 34
14	0 048 05				
16		0 048 25		0 048 45	0 048 35
19	0 048 06				
21		0 048 26		0 048 46	0 048 36
24	0 048 07				
33		0 048 28		0 048 48	0 048 38

MODULAR DISTRIBUTION BLOCKS FROM 40 TO 250 A

• Isc peak 14.5 to 42 kÂ



Admissible maximum rating (A)	2-pole Number and section of flexible conductors (mm²)			4-pole Number and section of flexible conductors (mm²)			Terminal blocks IP 2X		
	Cat.Nos	Inputs	Outputs	Cat.Nos	Inputs	Outputs	Earth	Neutral	Additional outputs (mm²)
40	0 048 81	2 x 10	11 x 4	0 048 85	2 x 10	11 x 4	0 048 34	0 048 44	12 x 6
100	0 048 80	2 x 16	5 x 10	0 048 84	2 x 16	5 x 10	0 048 32	0 048 42	8 x 6
125	0 048 82	2 x 25	2 x 16 + 11 x 10	0 048 88	2 x 25	2 x 25 + 11 x 10	0 048 35	0 048 45	16 x 6
				0 048 86	2 x 25	2 x 16 + 7 x 10	0 048 34	0 048 44	12 x 6
				0 048 76	1 x 35	1 x 25 + 1 x 16 + 14 x 10	0 048 36	0 048 46	21 x 6
160				0 048 79	1 x 70	2 x 25 + 4 x 16 + 8 x 10	0 048 35	0 048 45	16 x 6
250				0 048 77	1 x 120	1 x 35 + 2 x 25 + 2 x 16 + 6 x 10			

SINGLE POLE MODULAR DISTRIBUTION BLOCKS AND DISTRIBUTION TERMINALS FROM 125 TO 250 A

• Isc peak 27 to 60 kÂ



Admissible maximum rating (A)	Cat.Nos	Number and section of conductors per pole (mm²) Inputs	Outputs
125	0 048 71	4 x 35	12 x 10
160	0 048 83	1 x 50 (flexible bar 13 mm max.)	3 x 25 + 2 x 16 + 7 x 10
	0 048 67 (distribution terminal)	Direct into the downstream terminal	6 x 25
250	0 048 73	1 x 120 (flexible bar 16 mm max.)	6 x 25 + 4 x 10
	0 048 68 (distribution terminal)	Direct into the downstream terminal	4 x 35 + 2 x 25

POWER DISTRIBUTION BLOCKS FROM 125 TO 400 A

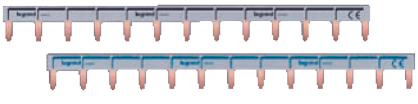
• Isc peak 20 to 75 kÂ



Admissible maximum rating (A)	Extra-flat Number and section of conductors per pole (mm²)			Stepped Number and section of conductors per pole (mm²)		
	Cat.Nos	Inputs	Outputs	Cat.Nos	Inputs	Outputs
125	0 374 47	1 x 35	10 x 16 (Ph) 17 x 16 (N)	0 373 95	4 bars 12 x 4 mm receiving 5 connectors 2 x 10 each	
				0 374 30	1 x 35	5 x 25
160				0 374 31	1 x 70	5 x 35
250	0 374 00	1 x 150	1 x 70 or 1 x 50 + 1 x 35 or 2 x 35	0 374 35	1 x 120	5 x 50
400				0 373 08	2 x Ø8.5 mm	21 holes M6 70 mm² max. connectors
				0 374 42	2 x 185	15 holes M6 15 holes M8

Supply busbars, entry terminals

"standard" distribution



4 049 26



4 049 14

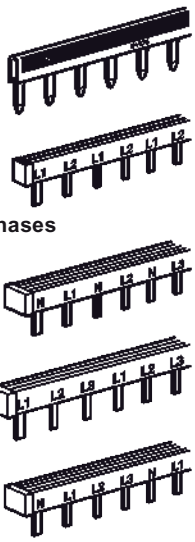


4 049 44

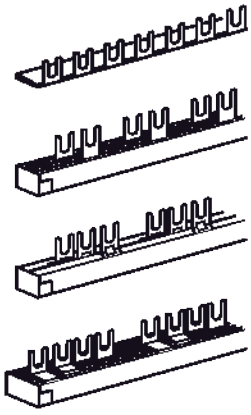


4 049 05

Pack	Cat.Nos	Prong-type supply busbars	Length	Max. number of devices connected
		Universal single pole + neutral Reversible: blue for neutral, black for live		
20	4 049 26		1 row	13
10	4 049 37		Meter	57
		Double pole		
50	4 049 38[1]		1 row	6
10	4 049 39		Meter	28
		Double pole balanced on 3 phases		
3	4 049 40[1]		1 row	6
10	4 049 41		Meter	28
		Triple pole		
40	4 049 42[1]		1 row	4
10	4 049 43		Meter	19
		Four pole		
30	4 049 44		1 row	3
10	4 049 45		Meter	14



Pack	Cat.Nos	Fork-type supply busbars	Length	Max. number of devices connected
		Single pole		
20	4 049 11		1 row	12
10	4 049 12		Meter	57
		Double pole		
10	4 049 14		Meter	28
		Triple pole		
5	4 049 17		1 row	4
10	4 049 18		Meter	19
		Four pole		
10	4 049 20		Meter	14



Pack	Cat.Nos	Protection
		Protection of prongs
20	4 049 88	12 modules Can be cut to length
		Protection of supply busbar ends
40	4 049 89	For single pole/single pole + neutral
20	4 049 90	For double pole length 1 m and triple pole
20	4 049 91	For four-pole



Pack	Cat.Nos	Entry terminals
20	4 049 05	For universal single pole + neutral or single pole supply busbars Cross section: 4 to 25 mm² - IP 2X
20	4 049 06	For all supply busbars Cross section: 6 to 35 mm²



1: Filled with end protection

Supply busbars, entry terminals

"standard" distribution

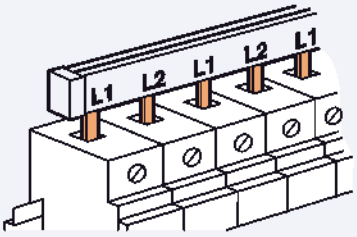
Technical characteristics

	Busbars type	Max number of devices connected	Lenght in number of 17.5 mm modules	Cross section (mm²)	Permissible current	
					1 central power supply point	2 power supply point
Single pole or Single pole + neutral	1 row	13	13	16²	80	100
	Meter	57	57			
Double pole	1 row	6	12	10²	63	90
	Meter	28	56	16²	80	100
Double pole balanced on 3-phases	1 row	6	12	10²	63	90
	Meter	28	56	16²	80	100
Triple pole	1 row	4	12	10²	63	90
	Meter	19	57	16²	80	100
Four pole	1 row	3	12	10²	63	90
	Meter	14	56	16²	80	100

Use of supply busbars

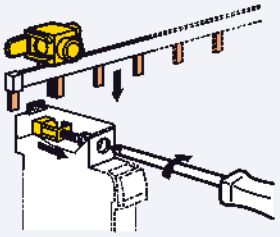
Universal single phase + neutral

- blue for neutral
- black for live

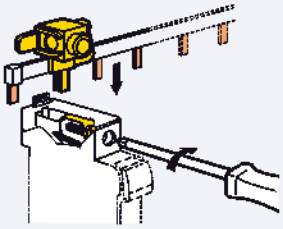


Entry terminal

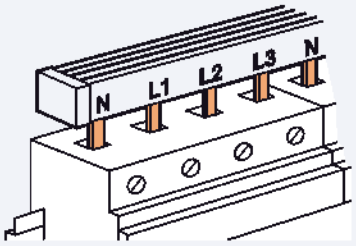
Power supply at the rear of the busbar
For all devices with moving cage terminals



Power supply at the front of the busbar
For all devices with fixed cage terminals



Four pole busbar



Distribution terminal blocks



0 048 03



0 048 22



0 048 15



0 048 32

Pack	Cat. Nos			
			Distribution terminal blocks	
			Conform to standard IEC 60998-2-1 Supplied ready for use (screws not tightened) 100 A max. - 400 V~ with 25 mm² input 80 A max. - 400 V~ with 16 mm² input	
			Screw terminal blocks	
			Fit with Ø M4 screws	
			Number of connections (mm²)	Length (mm)
10	0 048 01		1 x 6 to 25 + 4 x 1.5 to 16	45
10	0 048 03		1 x 6 to 25 + 8 x 1.5 to 16	73
10	0 048 05		1 x 6 to 25 + 14 x 1.5 to 16	122
10	0 048 06		1 x 6 to 25 + 19 x 1.5 to 16	157
10	0 048 07		1 x 6 to 25 + 25 x 1.5 to 16	192
			Terminal blocks on support	
			Mounting on ⊔ or ⊏⊐ rail with universal support Cat.No 0 048 11, or on 12 x 2 flat bar Supplied with Duplix markers	
10	0 048 20[1]		4 x 1.5 to 16	47
10	0 048 22[1]		8 x 1.5 to 16	75
10	0 048 24[1]		1 x 6 to 25 + 12 x 1.5 to 16	113
10	0 048 25[1]		1 x 6 to 25 + 16 x 1.5 to 16	141
10	0 048 26[1]		1 x 6 to 25 + 21 x 1.5 to 16	176
10	0 048 28[1]		1 x 6 to 25 + 33 x 1.5 to 16	276
			IP 2X terminal blocks	
	Phase (black)	Neutral (blue)	Mounting on ⊔ or ⊏⊐ rail with universal support Cat.No 0 048 11, or on 12 x 2 flat bar	
10	0 048 16	0 048 15	1 x 10 to 35 + 5 x 6 to 25	62
10	0 048 50	0 048 40	4 x 1.5 to 16	47
10	0 048 52	0 048 42	8 x 1.5 to 16	75
10	0 048 54	0 048 44	1 x 6 to 25 + 12 x 1.5 to 16	113
10		0 048 45	1 x 6 to 25 + 16 x 1.5 to 16	141
10		0 048 46	1 x 6 to 25 + 21 x 1.5 to 16	176
10		0 048 48	2 x 6 to 25 + 33 x 1.5 to 16	276
	Earth (green)			
10	0 048 30		4 x 1.5 to 16	47
10	0 048 32		8 x 1.5 to 16	75
10	0 048 34		1 x 6 to 25 + 12 x 1.5 to 16	113
10	0 048 35		1 x 6 to 25 + 16 x 1.5 to 16	141
10	0 048 36		1 x 6 to 25 + 21 x 1.5 to 16	176
10	0 048 38		2 x 6 to 25 + 33 x 1.5 to 16	276
			Supports for terminal blocks	
1	0 048 10		Distribution block support for connecting up to 4 IP 2X terminal block of the same size to create a distribution block	
5	0 048 11		Universal support for mounting an terminal blocks on ⊔ or ⊏⊐ rail	
5	0 048 17		35-holes empty support, for screw terminal blocks Length: 276 mm	
			Flat bar 12 x 2	
10	0 048 19		Length: 1 meter	

1: Each terminal block is supplied with:
- 2 green Duplix marked ⏚ - 2 blue Duplix marked N
- 2 red Duplix marked L

Mounting of terminal blocks on support

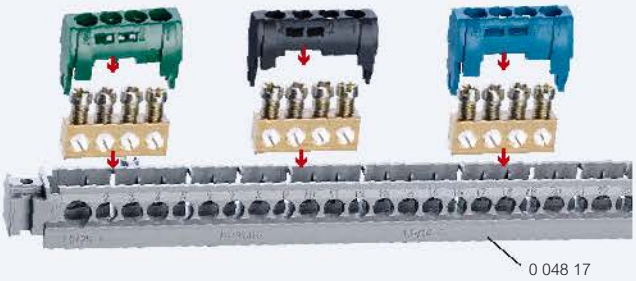
On 12 x 2 flat bar



On support for terminal blocks Cat.No 0 048 17

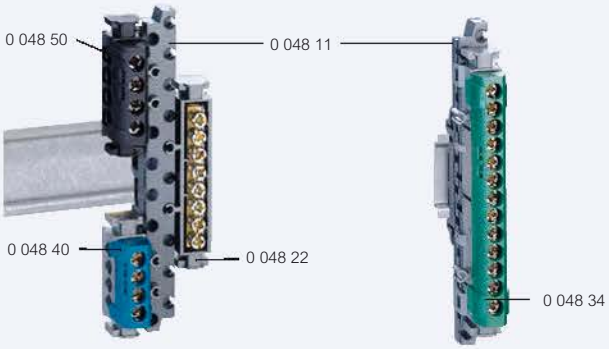
Enables you to make exactly the right number of connections

• Example:



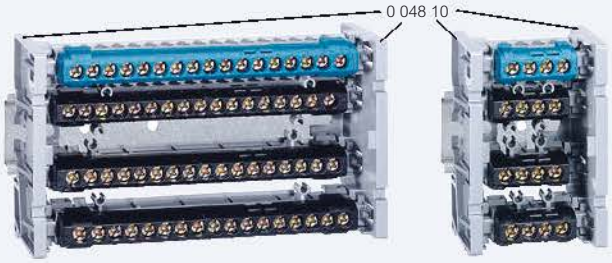
Universal support Cat.No 0 048 11

Mounted on ⊔ or ⊏⊐ rail, takes all terminal blocks

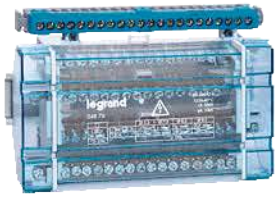


On distribution block support Cat.No 0 048 10

Possibility of forming a 2P, 3P or 4P distribution block by associating IP 2X terminal blocks



Modular distribution blocks 40 to 250 A



0 048 76 + 0 048 46



0 048 77



0 048 68

Dimensions **see e-catalogue**

Standard distribution
Connection with or without Starfix ferrules (p. 292)
Self-extinguishing, according to EN 60695-2-11: 960 °C on active part supports

Pack	Cat. Nos	Monobloc modular distribution blocks	Rating (A)	Isc peak (kA)	Icw (kA)	Number of modules
		Mounting on rail ⎍ or on plate with 2 screws Supplied with insulated back plate and transparent protective front cover Each bar can be labelled using CAB 3 Possible to add IP 2X terminal block (except Cat.No 0 048 77)				
		Double pole Equipped with 2 bars				
5	0 048 81		40	20	3	6
10	0 048 80		100	20	4.5	4
5	0 048 82		125	18	4.5	8
		Four pole Equipped with 4 bars				
5	0 048 85		40	20	3	6
10	0 048 84		100	20	4.5	4
5	0 048 86		125	20	4.5	6
5	0 048 88[1]		125	14.5	4.2	8
1	0 048 76[2]		125	20	4.5	10
1	0 048 79[1]		160	27	8.4	10
1	0 048 77		250	42	14.4	9

Pack	Cat. Nos	Modular distribution blocks	Rating (A)	Isc peak (kA)	Number of modules
		Mounting on rail ⎍ Fitted with Lexic label holder Can be joined together Possibility of forming a four pole distribution block by adding modules			
		Single pole			
4	0 048 71		125	35	2
4	0 048 83		160	27	2
4	0 048 73		250	60	2

Pack	Cat. Nos	Distribution terminals
1	0 048 67	160 A - 6 outputs 25 mm² flexible - Isc peak 30 kÂ Can be fitted directly onto downstream terminal of Vistop 100/160 A
1	0 048 68	250 A - 4 outputs 35 mm² flexible and 2 outputs 25 mm² flexible - Isc peak 36 kÂ Can be fitted directly onto downstream terminal of DPX-IS 250

1: With short ferrule supplied for flexible connection 25 mm²
2: Incoming conductors must be equiped with ferrules (p. 292)
Connection: 25 mm² with ferrules without insulating flange

Optimised and increased safety distribution systems,
see Product Guide



Standards

Conform to EN 60947-1
Insulating voltage according to EN 60947-1/IEC 60664-1: 500 V
Impulse voltage (Uimp): 8 kV - Degree of pollution: 3

Section for connecting rigid or flexible conductors (with Starfix ferrules)

Distribution Blocks Cat.Nos	Connections per bar Number	Connections per bar Ø (mm)	Rigid conductors Section (mm²)	Flexible conductors with ferrules Section (mm²)	Flexible conductors with ferrules Starfix ferrules Cat.Nos
0 048 67	6	8.5		6 to 25	0 376 68 to 71
0 048 68	4	10		6 to 35	0 376 68 to 77
	2	8.9		6 to 25	0 376 68 to 71
0 048 71	12	5.3	1.5 to 10	1.5 to 10	0 376 64 to 69
	4	10	16 to 50	16 to 35	0 376 70 to 72
					0 376 70 to 77
0 048 73	4	6	2.5 to 16	2.5 to 10	0 376 66 to 69
	6	8.5	10 to 35	10 to 25	0 376 69 to 72
	1	-	70 to 150	70 to 120	-
0 048 80	5	5.3	2.5 to 10	1.5 to 10	0 376 64 to 69
	2	7.5	10 to 25	6 to 16	0 376 68 to 70/72
0 048 81	11	4.3	1.5 to 4	0.75 to 4	0 376 62 to 67
	2	6	6 to 16	4 to 10	0 376 67/68/69
0 048 82	11	5.3	2.5 to 10	1.5 to 10	0 376 64 to 69
	2	7.5	10 to 25	6 to 16	0 376 68 to 70/72
	2	9	10 to 35	10 to 25	0 376 69/72/71
0 048 83	7	5.3	2.5 to 10	1.5 to 6	0 376 64 to 69
	2	7.5	6 to 25	6 to 16	0 376 68/69/72
	3	8.9	10 to 35	10 to 25	0 376 69/72
	1	-	35 to 70	25 to 50	0 376 71 to 77/78
0 048 84	5	5.3	2.5 to 10	1.5 to 10	0 376 64 to 69
	2	7.5	10 to 25	6 to 16	0 376 68 to 70/72
0 048 85	11	4.3	1.5 to 4	0.75 to 4	0 376 62 to 67
	2	6	6 to 16	4 to 10	0 376 67/68/69
0 048 86	7	5.3	2.5 to 10	1.5 to 10	0 376 64 to 69
	2	7.5	10 to 25	6 to 16	0 376 68 to 70/72
	2	9	10 to 35	10 to 25	0 376 69/72
0 048 88	11	5.3	2.5 to 10	1.5 to 10	0 376 64 to 69
	4	8.5	10 to 35	6 to 25	0 376 68 to 71
0 048 79	1		35 to 70	35 to 70	0 376 77/78
	8	5.3	2.5 to 10	1.5 to 10	0 376 64 to 69
	4	7.5	10 to 25	6 to 16	0 376 68 to 70/72
	2	8.5	10 to 35	10 to 25	0 376 69/72
0 048 76	14	5.3	2.5 to 10	1.5 to 10	0 376 64 to 69
	1	7.5	10 to 25	6 to 16	0 376 68 to 70/72
	1	8.5	10 to 35	6 to 25	0 376 68 to 70/72
	1	-	-	16 to 35	0 376 70 to 77
0 048 77	6	6	2.5 to 16	2.5 to 10	0 376 66 to 69
	2	7.5	10 to 25	6 to 16	0 376 68 to 70/72
	2	8.5	10 to 35	10 to 25	0 376 69 to 72
	1	10	16 to 50	16 to 35	0 376 70 to 72/77
	1	-	50 to 120	50 to 120	0 376 78

Characteristics of distribution blocks for use in photovoltaic installations

No of 18 mm modules	Cat.No	Max. cross-section for "solar cable"	Max. Ie (A) current T = (+40°C/+60°C) IEC 60364-1	Ui (V) Degree of pollution 2 IEC 60664-1	Impulse voltage Uimp IEC 60664-1
Single pole distribution block					
2	0 048 71	4 x 16 to 25 mm² 12 x 1.5 to 6 mm² or 6 x 10 mm²	125/100	1000 V(1)	8 kV(2)
Double pole distribution blocks					
4	0 048 80	5 x 1.5 to 6 mm² 2 x 6 to 16 mm²	100/80	800 V(1)	8 kV(2)
8	0 048 82	11 x 1.5 to 6 mm² 2 x 6 to 16 mm² 2 x 10 to 25 mm²	125/100	800 V(1)	8 kV(2)

1: Supplementary insulation provided for the support rail in the context of application of UTE C 15712 double insulation
2: Impulse voltage tested at 12 kV in the context of application of UTE C 15712 double insulation

For detailed dimensions,
see e-catalogue

Power distribution blocks



0 374 00



0 373 08

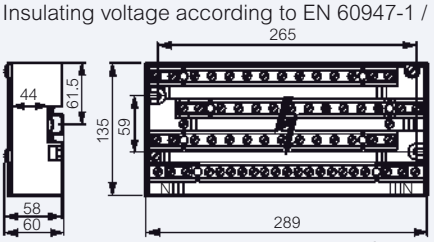
"Standard" distribution
Supplied with screen protection

Pack	Cat. Nos	Extra-flat for lugs
		125 A
1	0 374 47	Fixing on rail EN 60715 ⊥ or on plate with M6 screws. Equipped with: - 1 incoming 35 mm² (possible tapp-off) - 10 phase outgoing 16 mm² - M5 screws - 17 neutral outgoing 16 mm² - M5 screws Connection possible using connector Cat.No 0 373 65 (p. 209)
		250 A
1	0 374 00	Fixing on plain plate or on plate with M6 screws Distribution block 1 incoming 150 mm² per pole: - 1 pole is composed of 3 parts - Each part can receive: 1 x 70 mm² or 1 x 50 mm² and 1 x 35 mm², or 2 x 35 mm² or 1 connector with 3 outgoing terminals Cat.No 0 374 03 (p. 183)
		Stepped for lugs
		125 A
1	0 373 95	Fixing on rail EN 60715 ⊥ depth 15 mm or on plate with screws Ø 4 mm (by removing claws) 4 bars 12 x 4 mm with five connectors 2 x 10 mm²/bar (not mounted)
1	0 374 30	Fixing on rail EN 60715 ⊥, with claws Cat.No 0 374 39 (p. 261) or on plate with M6 screws 4 bars 15 x 4 mm supplied with: - 1 incoming 35 mm² - M8 screws - 5 outgoing 25 mm² - M6 screws
		160 A
1	0 374 31	Fixing on rail EN 60715 ⊥, with claws Cat.No 0 374 39 (p. 261) or on plate with M6 screws 4 bars 18 x 4 mm supplied with: - 1 incoming 70 mm² max. - M8 screws - 5 outgoing 35 mm² - M6 screws
		250 A
1	0 374 35	Fixing on rail EN 60715 ⊥, with claws Cat.No 0 374 39 (p. 261) or on plate with M6 screws 4 bars 25 x 4 mm supplied with: - 1 incoming 120 mm² - M10 screws - 5 outgoing 50 mm² - M8 screws
		400 A
1	0 373 08	Horizontal mounting in XL³ 400 cabinets, vertical in XL³ 400 cable sleeve, vertical in XL³ 800 internal cable sleeve or on solid plate using the M6 screws supplied Distribution block consisting of 4 tin-coated bars 32 x 5 mm with insulated protection Composition of each bar: - 2 x Ø 8.5 mm untapped holes for power supply (flexible bars, ...) - 21 outgoing M6 holes (70 mm² lugs max.)
1	0 374 42	Fixing on rail EN 60715 ⊥, with claws Cat.No 0 374 39 (p. 261) Distribution block consisting of 4 bars 32 x 5 mm Composition of each bar: - 2 x Ø 10.5 mm untapped holes for power supply (185 mm² max.) - 15 outgoing M6 holes, 4 outgoing M8 holes

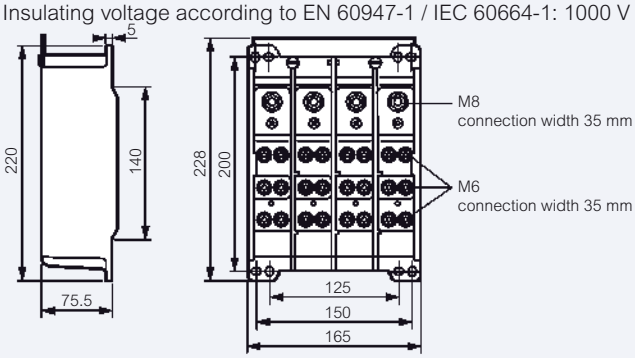
Extra-flat for lugs

Self extinguishing: 960 °C according to EN 60695-2-11

125 A Cat.No 0 374 47 - Isc peak 25 kÂ
Insulating voltage according to EN 60947-1 / IEC 60664-1: 500 V

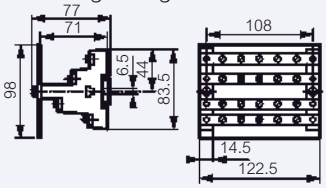


250 A Cat.No 0 374 00 - Isc peak 60 kÂ
Insulating voltage according to EN 60947-1 / IEC 60664-1: 1000 V

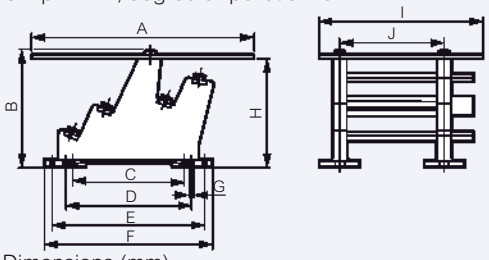


Stepped for lugs

125 A Cat.No 0 373 95 - Isc peak 20 kÂ
Insulating voltage according to EN 60947-1 / IEC 60664-1: 600 V
Self extinguishing: 850 °C according to EN 60695-2-11



125/160/250 A Cat.Nos 0 374 30/31/35 - Isc peak 35 kÂ
Insulating voltage according to EN 60947-1 / IEC 60664-1: 1000 V
Self extinguishing: 850 °C according to EN 60695-2-11
Uimp: 12 kV, degree of pollution: 3

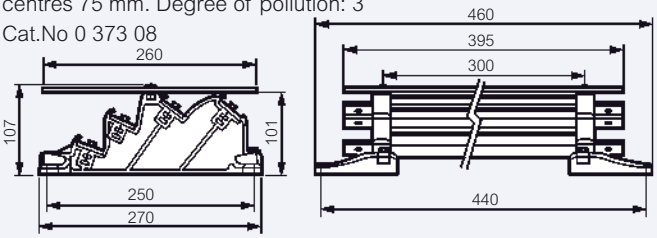


Dimensions (mm)

Distribution blocks	A	B	C	D	E	F	G	H	I	J
125 A	225	125	110	125	165	189	6.5	117.5	165	108
160 A	240	125	110	125	165	189	6.5	117.5	180	120
250 A	260	155	110	125	185	209	6.5	147.5	195	120

400 A(1) **Cat.No 0 373 08** - Isc peak 42 kÂ. Insulating voltage according to EN 60947-1 / IEC 60664-1: 1000 V. Uimp: 12 kV, degree of pollution: 3
Self extinguishing: 960 °C according to EN 60695-2-11
Cat.No 0 374 42 - Isc peak 50/75 kÂ. Insulating voltage according to EN 60947-1 / IEC 60664-1: 1000 V fixing centres 50 mm,1500 V fixing centres 75 mm. Uimp: 8 kV fixing centres 50 mm, 12 kV fixing centres 75 mm. Degree of pollution: 3

Cat.No 0 373 08



Connection



0 374 05 on copper bar



0 374 80



0 330 74

"Standard" distribution

Pack	Cat. Nos	Connectors
		With 3 outgoing terminals 200 A
10	0 374 03	Fits onto flat copper bars and distribution block Cat.No 0 374 00 (p. 182) Capacity: - 1 x Ø 5.3 mm outgoing terminal for 1.5 to 6 mm² connection - 2 x Ø 7.5 mm outgoing terminals for 6 to 16 mm² connection
		With 6 outgoing terminals 250 A
4	0 373 99	Fits onto C section aluminium bars with M10 hammer head bolt Cat.No 0 373 59 or onto flat copper bars Capacity: - 4 x 6 to 35 mm² - 2 x 6 to 25 mm²
		With 7 outgoing terminals 400 A
5	0 374 05	Fits onto flat copper bars Capacity: - 4 x Ø 5.3 mm outgoing terminals for 1.5 to 6 mm² connection - 3 x Ø 7.5 mm outgoing terminals for 6 to 16 mm² connection

Aluminium/copper distribution boxes up to 300 mm²

Adapt the cross-section of the incoming or outgoing cable in order to connect a device
IP 2X box, self-extinguishing transparent cover
Universal fixing on ⊔ rail or on plate
Reversible sealable cover with area for label
Operational voltage: Ue = 690 V~ according to EN 60947-1/IEC 60664-1
• Aluminium connection
Conform to standard NFC 63-061 class B
• Copper connection
Conform to standard EN 60947-7-1
Supplied with copper coupling strip

5	0 374 80	Aluminium/copper 120 mm² distribution box 300 A max. Incoming: 16 to 120 mm² Aluminium or 16 to 120 mm² copper Outgoing: 16 to 70 mm² copper
4	0 374 81	Aluminium/copper 300 mm² distribution box 540 A max. Incoming: 70 to 300 mm² Aluminium or 70 to 185 mm² copper Outgoing: 70 to 150 mm² copper

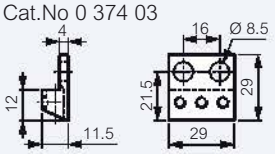
Junction boxes IP 30 - IK 07

For copper cables
4 connections per pole
Reversible stirrup for zero clamping
Fitted with 4 or 5 junction blocks mounted on an insulated strip with a sheet steel cover
Knock-out entries for conduits Ø 9 and 21 mm
Sealable cover screws
RAL 7035

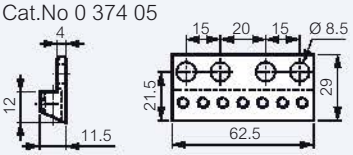
		Poles	Cable section (mm²)	Rated current (A)
1	0 330 44	4	35	125
1	0 330 54	4	70	192
1	0 330 74	4	150	309
1	0 330 84	4	240	415

Connectors

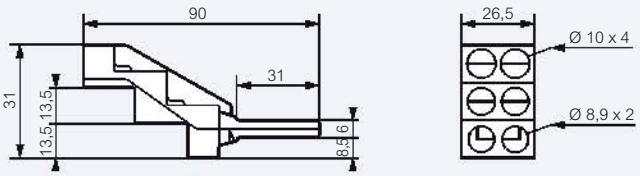
Cat.No 0 374 03



Cat.No 0 374 05



Cat.No 0 373 99



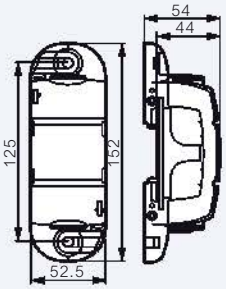
Aluminium/copper distribution boxes

Technical characteristics

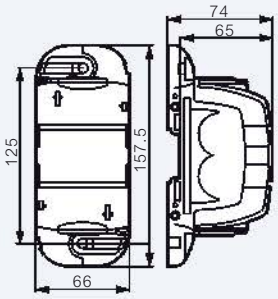
	Cat.No 0 374 80	Cat.No 0 374 81
Impulse voltage (Uimp)	10 kV	12 kV
Short-circuit current Icw for 1 second	14.5 kA	22.2 kA
Tightening torque	14 Nm	30 Nm

Dimensions

Cat.No 0 374 80

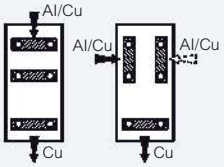


Cat.No 0 374 81

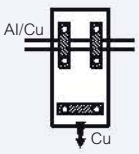


Connection

Junction

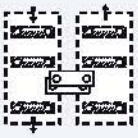


Distribution

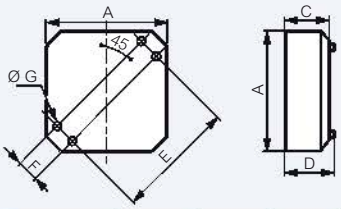


Connecting in series

This bridging is made with 2 copper bars (supplied with each product) and accept max. rating of incoming cable for tap-off between 2 distributions boards



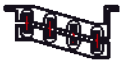
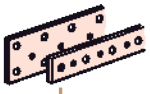
Junction boxes

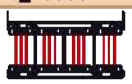


Cat.Nos	A (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
0 330 44	236	75	89	264	40	6
0 330 54	276	84	99	314	40	7
0 330 74	319	103	118	361	50	7
0 330 84	510	129	144	613	65	9

Flat copper bars selection

standard distribution

			≤ 400 A				≤ 800 A		≤ 1000 A		≤ 1600 A			
Flat busbars supports			 Cat.No 0 373 10		 Cat.No 0 373 15		 Cat.No 0 373 20		 Cat.No 0 373 21		 Cat.Nos 0 373 22/23 Bar mounting: edgewise		Bar mounting: flat	
Flat copper bars														
Cat.Nos	Cross section (mm)	Number of bar per pole	I (A)		I (A)		I (A)		I (A)		I (A)		I (A)	
			IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
0 374 34	18 x 4	1	245	200	245	200	245	200	-	-	-	-	-	-
0 374 38	25 x 4	1	280	250	-	-	-	-	-	-	-	-	-	-
0 374 18	25 x 5	1	330	270	330	270	330	270	-	-	-	-	-	-
0 374 19	32 x 5	1	450	400	450	400	450	400	-	-	-	-	-	-
0 374 40	50 x 5	1	-	-	-	-	700	630	700	630	700	630	430	350
		2	-	-	-	-	-	-	-	-	1150	1000	650	510
		3	-	-	-	-	-	-	-	-	-	-	-	-
		4	-	-	-	-	-	-	-	-	-	-	-	-
0 374 41	63 x 5	1	-	-	-	-	800	700	800	700	800	700	500	400
		2	-	-	-	-	-	-	-	-	1350	1150	770	590
		3	-	-	-	-	-	-	-	-	-	-	-	-
		4	-	-	-	-	-	-	-	-	-	-	-	-
0 374 59	75 x 5	1	-	-	-	-	-	-	950	850	950	850	600	475
		2	-	-	-	-	-	-	-	-	1500	1300	890	700
		3	-	-	-	-	-	-	-	-	-	-	-	-
		4	-	-	-	-	-	-	-	-	-	-	-	-
0 374 43	80 x 5	1	-	-	-	-	-	-	1050	900	1000	900	630	500
		2	-	-	-	-	-	-	-	-	1650	1450	940	740
		3	-	-	-	-	-	-	-	-	-	-	-	-
		4	-	-	-	-	-	-	-	-	-	-	-	-
0 374 46	100 x 5	1	-	-	-	-	-	-	-	-	1250	1050	750	580
		2	-	-	-	-	-	-	-	-	1900	1600	1120	900
		3	-	-	-	-	-	-	-	-	-	-	-	-
		4	-	-	-	-	-	-	-	-	-	-	-	-
	125 x 5	1	-	-	-	-	-	-	-	-	-	-	-	-
		2	-	-	-	-	-	-	-	-	-	-	-	-
		3	-	-	-	-	-	-	-	-	-	-	-	-
		4	-	-	-	-	-	-	-	-	-	-	-	-
	80 x 10	1	-	-	-	-	-	-	-	-	-	-	-	-
		2	-	-	-	-	-	-	-	-	-	-	-	-
		3	-	-	-	-	-	-	-	-	-	-	-	-
	100 x 10	1	-	-	-	-	-	-	-	-	-	-	-	-
		2	-	-	-	-	-	-	-	-	-	-	-	-
		3	-	-	-	-	-	-	-	-	-	-	-	-
	120 x 10	1	-	-	-	-	-	-	-	-	-	-	-	-
		2	-	-	-	-	-	-	-	-	-	-	-	-
		3	-	-	-	-	-	-	-	-	-	-	-	-
	200 x 10	1	-	-	-	-	-	-	-	-	-	-	-	-
		2	-	-	-	-	-	-	-	-	-	-	-	-
		3	-	-	-	-	-	-	-	-	-	-	-	-

	≤ 4000 A				≤ 6300 A			
	 Cat.Nos 0 373 24/25				 Cat.Nos 0 373 12/13			
	Bar mounting: edgewise		Bar mounting: flat		Bar mounting: edgewise		Bar mounting: flat	
	 I (A)		 I (A)		 I (A)		 I (A)	
	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	700	630	500	420	-	-	-	-
	1180	1020	750	630	-	-	-	-
	1600	1380	1000	900	-	-	-	-
	2020	1720	1120	1000	-	-	-	-
	800	700	600	500	-	-	-	-
	1380	1180	750	630	-	-	-	-
	1900	1600	1100	1000	-	-	-	-
	2350	1950	1350	1200	-	-	-	-
	950	850	700	600	-	-	-	-
	1600	1400	1000	850	-	-	-	-
	2200	1900	1250	1100	-	-	-	-
	2700	2300	1600	1400	-	-	-	-
	1000	900	750	630	-	-	-	-
	1700	1480	1050	900	-	-	-	-
	2350	2000	1300	1150	-	-	-	-
	2850	2400	1650	1450	-	-	-	-
	1250	1050	850	700	-	-	-	-
	2050	1800	1200	1050	-	-	-	-
	2900	2450	1600	1400	-	-	-	-
	3500	2900	1900	1650	-	-	-	-
	1450	1270	1000	800	-	-	-	-
	2500	2150	1450	1250	-	-	-	-
	3450	2900	1800	1600	-	-	-	-
	4150	3450	2150	1950	-	-	-	-
	1460	1270	1150	950	-	-	-	-
	2500	2150	1700	1500	-	-	-	-
	3450	2900	2500	2000	-	-	-	-
	1750	1500	1350	1150	-	-	-	-
	3050	2550	2000	1650	-	-	-	-
	4150	3500	2900	2400	-	-	-	-
	2000	1750	1650	1450	-	-	-	-
	3600	2950	2500	2000	-	-	-	-
	4800	4000	3500	3000	-	-	-	-
	-	-	-	-	3300	3000	2750	2400
	-	-	-	-	5200	4800	3600	3250
	-	-	-	-	7000	6400	5400	4800



0 374 19 + 0 373 11



0 374 40



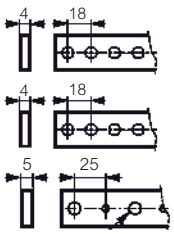
0 374 10

"Standard" distribution

Copper bars

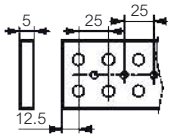
Rigid, flat, threaded holes

Pack	Cat.Nos	Cross section (mm)	I permissible (A) IP ≤ 30	I permissible (A) IP > 30	Holes Ø mm	Length (mm)
10	0 373 88	12 x 2	110	80	M5	990
10	0 373 89	12 x 4	160	125	M5	990
10	0 374 33	15 x 4	200	160	M6	990
10	0 374 34	18 x 4	245	200	M6	990
10	0 374 38	25 x 4	280	250	M6	990
4	0 374 18	25 x 5	330	270	M6	1750
4	0 374 19	32 x 5	450	400	M6	1750



Rigid flat clear holes

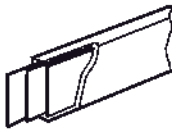
1	0 374 40	50 x 5	700	630	10.5 - 6.5	1750
1	0 374 41	63 x 5	800	700	10.5 - 8.5	1750
1	0 374 59	75 x 5	950	850	10.5 - 6.5	1750
1	0 374 43	80 x 5	1000	900	10.5 - 6.5	1750
1	0 374 46	100 x 5	1250	1050	10.5 - 6.5	1750



Flexible

Supplied flat, length 2 m

		Cross section (mm)	IP ≤ 30	IP > 30
1	0 374 10	13 x 3	200	160
1	0 374 67	20 x 5	400	250
1	0 374 11	24 x 4	400	250
1	0 374 12	32 x 5	630	400
1	0 374 57	50 x 5	850	630
1	0 374 58	50 x 10	1250	1000



Accessories

Isolating profile

10	0 373 11	Isolating profile for flat copper bars 18 x 4, 25 x 4, 25 x 5 and 32 x 5 mm, length 1 m Supplied with fixing clips

Insulating screws

50	0 367 74	M6 x 10

HF screws with contact washe

50	0 367 75	M6 x 10

Busbars supports selection

standard distribution

Max. In (A)		Flat copper bars						
		400		800	1000	1600	4000	6300
Mounting \ Supports		0 373 10	0 373 15	0 373 20	0 373 21	0 373 22/23	0 373 24/25	0 373 12/13
XL³ 400								
Vertical at back of cabinet or enclosure			●					
Vertical at back of cable sleeve		●						
XL³ 800								
Vertical at back of cabinet or enclosure			● + 0 373 14					
Vertical at back of internal cable sleeve		●						
Vertical at back of external cable sleeve				●				
XL³ 4000								
Main horizontal at top or at bottom of cabinet	D : 475					● + 0 205 51(5)		
	D : 725					● + 0 205 52	●(5)	●(5)
	D : 975					● + 0 205 53	●(1)	●(1)
Horizontal transfer	D : 725					● + 0 205 51	●(4+5)	●(4+5)
	D : 975					● + 0 205 52	●	●
Vertical lateral inside cable sleeve	D : 475			● + 0 205 51	● + 0 205 51	● + 0 205 51		
	D : 725			● + 0 205 52	● + 0 205 52	● + 0 205 52	●	●
	D : 975			● + 0 205 53	● + 0 205 53	● + 0 205 53	●(1)	●(1)
Vertical lateral inside cabinet behind upright	D : 725			● + 0 205 51		● + 0 205 51		
	D : 975			● + 0 205 52		● + 0 205 52	●	●
Vertical at back of cabinet	W : 475			● + 0 205 51		● + 0 205 51(2)		
	W : 725		● + 0 373 14	● + 0 205 52		● + 0 205 52		
	W : 975			● + 0 205 53		● + 0 205 53		
Horizontal at back of cabinet	W : 475			●(3) + 0 205 51		●(3) + 0 205 51	●(3) + 0 205 51	●(3) + 0 205 51
	W : 725			●(3) + 0 205 52		●(3) + 0 205 52	●(3) + 0 205 52	●(3) + 0 205 52
	W : 975			●(3) + 0 205 53		●(3) + 0 205 53	●(3) + 0 205 53	●(3) + 0 205 53

1: With upright Cat.No 0 205 20 in cable sleeve - 2: Depth min. 725 mm - 3: Fixed supports only - 4: Inside complementary cable sleeve - 5: Partial chassis

Isolating supports for busbars

XL³ cabinets and enclosures



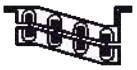
0 373 10



0 373 24

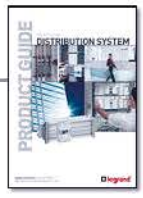
Dimensions and distances between the supports **see e-catalogue**

"Standard" distribution

Pack	Cat. Nos	1 bar per pole universal supports	
		≤ 280 A	
10	0 373 98	Single pole support for flat copper bars 12 x 2 or 14 x 4 mm	
10	0 374 37	Single pole support for flat copper bars 15 x 4, 18 x 4 or 25 x 4 mm	
5	0 373 96	Set of 2 four pole supports for flat copper bars 12 x 2 or 12 x 4 mm	
1	0 374 32	Set of 2 four pole supports for flat copper bars 15 x 4 or 18 x 4 mm	
1	0 374 36	Set of 2 four pole supports for flat copper bars 25 x 4 mm	
		1 bar per pole	
		≤ 400 A	
1	0 373 15	Support for flat copper bars 18 x 4, 25 x 5 and 32 x 5 mm For XL³ 400 cabinets and enclosures	
1	0 373 10	Support for flat copper bars 18 x 4, 25 x 4, 25 x 5 and 32 x 5 mm, in sloping position to create a vertical busbars at back For direct mounting on solid or perforated plate	
		≤ 800 A	
1	0 373 20	Support for flat copper bars 18 x 4, 25 x 5, 32 x 5, 50 x 5 and 63 x 5 mm in sloping position	
		≤ 1000 A	
1	0 373 21	Support for flat copper bars 50 x 5, 63 x 5, 75 x 5 and 80 x 5 mm in staggered position	

Pack	Cat. Nos	1 or 2 bars per pole	
		Supports for flat copper bars 50 x 5, 63 x 5, 75 x 5, 80 x 5 and 100 x 5 mm, in aligned position	
		≤ 1600 A	
1	0 373 22	Fixed support	
1	0 373 23	Additional support Mounted in addition to fixed support Cat.No 0 373 22 to comply with the distances (Isc withstand)	
		1 to 4 bars per pole	
		≤ 4000 A	
		Supports for 4 flat bars from 50 x 5 to 125 x 5 mm or 3 bars from 50 x 10 to 120 x 10 mm, in aligned position	
1	0 373 24	Fixed support	
1	0 373 25	Additional support Mounted in addition to fixed support Cat.No 0 373 24 to comply with the distances (Isc withstand)	
		≤ 6300 A	
		Reinforced 4P isolating supports Hold flat copper bars in position Up to three 200 x 10 mm bars per pole	
1	0 373 12	Fixed support	
1	0 373 13	Additional support Mounted in addition to fixed support Cat.No 0 373 12 to comply with the distances (Isc withstand)	
		Fixing supports	
		Adjustable crosspieces	
1	0 205 51	Set of 2 crosspieces length 350 mm	
1	0 205 52	Set of 2 crosspieces length 600 mm	
1	0 205 53	Set of 2 crosspieces length 850 mm	
		Crosspieces for partial chassis	
1	0 205 31	Set of 2 fixed crosspieces length 350 mm	
1	0 205 32	Set of 2 fixed crosspieces length 600 mm	
		Extension piece	
1	0 373 14	For mounting busbars supports Cat.No 0 373 15 in XL³ 800 and 4000 cabinets and enclosures	

Optimised and increased safety distribution systems, **see Product Guide**



For the distances between isolating supports, **see e-catalogue**



ENCLOSURES

Ready to use cabinets & enclosures


P. 190
Surface mounting terminal shiled boxes


NEW
P. 195
Nedbox flush-mounting cabinets

Self-assembly cabinets & enclosures


P. 204
XL³ 400 distribution cabinets & enclosure


P. 227
XL³ 4000 equipment & accessories

Weatherproof enclosures & accessories


P. 240
Plexo³ IP 65 weatherproof cabinets


P. 256
Equipment for Atlantic, Atlantic-F & Marina cabinets

NEW PRODUCTS 2014



XL³ 6300
distribution enclosures
up to 6300 A
(p. 234)



P. 191
Practibox
flush-mounting
cabinets

NEW
P. 192
British standard
surface mounting
consumer units



P. 193
British standard
flush-mounting
consumer units



P. 194
Nedbox
surface mounting
cabinets



P. 196
XL³ 125
surface mounting
distribution
cabinets



P. 197
XL³ 125/250
surface &
flush-mounting
distribution boards



P. 198
XL³ 160
flush-mounting
distribution
cabinets



P. 199
XL³ 160
surface mounting
distribution
cabinets



P. 206
XL³ 400
equipment &
accessories



P. 212
XL³ 800
distribution
cabinets &
enclosures



P. 216
XL³ 800
equipment &
accessories



P. 224
XL³ 4000
distribution
enclosures



NEW
P. 234
XL³ 6300
distribution
enclosures



P. 244
Atlantic
IP 55/IP 66
metal cabinets



P. 248
Atlantic - E
IP 66 metal
cabinets



P. 250
Marina
IP 66 polyester
cabinets



P. 252
Marina
IP 66 polyester
enclosures



P. 262
Heat regulation
for cabinets &
enclosures



P. 267
IP 55 plastic
cable glands



P. 268
IP 68 plastic
cable glands



P. 269
IP 68 metal
cable glands

Surface mounting terminal shield boxes
2 to 6 modules


0 013 56


0 013 57


0 013 58

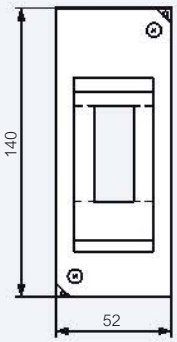
IP 30
Conform to IEC 60439-3
Self extinguishing: 650° C
Supplied without terminal blocks
Class II
White RAL 9010
Covers can be sealed
Allows to achieve assemblies conform to IEC 61439-3

Pack	Cat.Nos	Terminal shield boxes	Capacity in 17.5 mm modules	Dimensions (mm) Height x Width x Thickness
50	0 013 56		2 modules	140 x 52 x 68
30	0 013 57		4 modules	140 x 87 x 68
20	0 013 58		6 modules	140 x 130 x 68

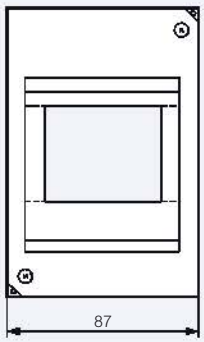
Surface mounting terminal shield boxes
2 to 6 modules

Dimensions

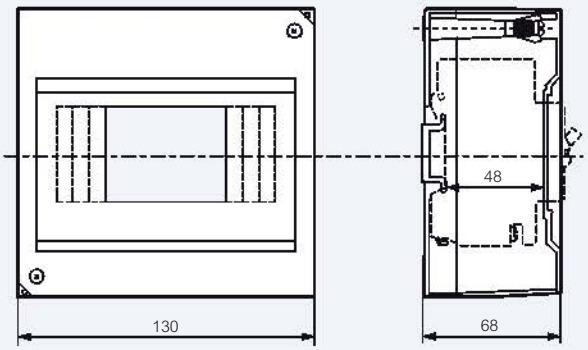
2 modules



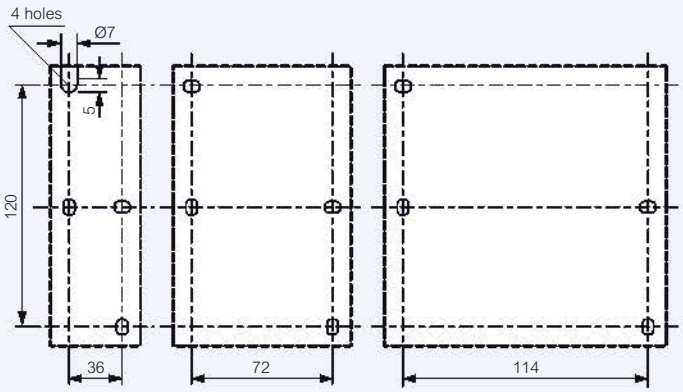
4 modules



6 modules



Mounting



Flush-mounting cabinets Practibox™
6 to 36 modules



6 011 11



6 011 14

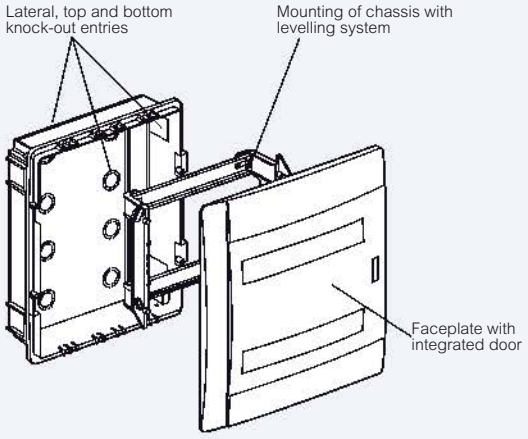
IP 40 - IK 07 with door
Class II
Conform to standard IEC 60439-3
Allows to achieve assemblies conform to IEC 61439-3
Reversible faceplate
Box for masonry
Self extinguishing 650 °C
White RAL 9003
Supplied without terminal block

Pack	Cat.Nos	Terminal shield boxes
1/**12**	6 011 10	1 row of 6 modules
1/**12**	6 011 11	1 row of 8 modules
1/**6**	6 011 12	1 row of 12 modules
1/**5**	6 011 13	2 rows of 12 modules
1/**3**	6 011 14	3 rows of 12 modules

		Accessories
20	0 016 60	**Blanking plate** Separable into modules or 1/2 modules 5 modules - white
10	6 012 90	**Terminal blocks** Neutral and earth - 2 x 8 holes
1	0 019 66	**Key lock** Only for 2 and 3 rows distribution cabinets N° 850

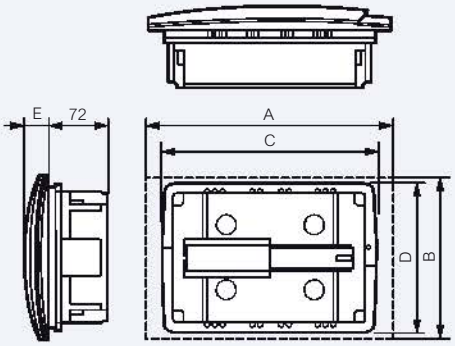
British standard consumer units
p. 192

Flush-mounting cabinets Practibox™
6 to 36 modules



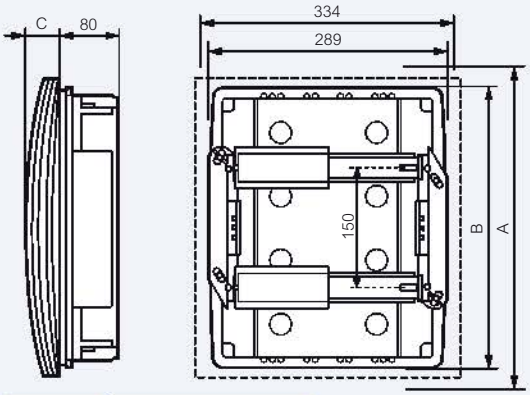
Dimensions

Cabinets 6,8 and 12 modules



	Number of modules		
	6 mod.	8 mod.	12 mod.
A	230	266	334
B	186	188	225
C	208	244	287
D	180	180	208
E	27	27	31

Cabinets 24 and 36 modules



	Number of modules	
	24 mod.	36 mod.
A	376	526
B	358	508
C	40	42

Surface mounting British standard consumer units



6 075 68



6 075 61

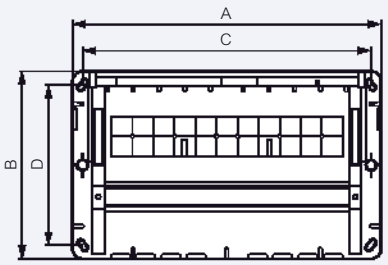
Conform to EN 60439-3
Allows to achieve assemblies conform to IEC 61439-3
Supplied completely assembled with neutral and earth terminals

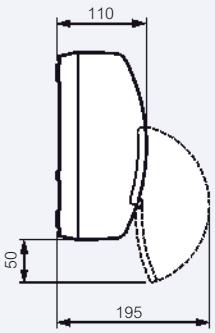
Pack	Cat.Nos	Surface mounting boxes
		Plastic IP 30 – IK 07 with white hinged door White RAL 9003
		4 to 8 module units
		Comprising: • One neutral + one earth terminals • One supply busbar • Isolating shield
1	6 075 68	4 modules units
1	6 075 61	8 modules units (with five blanking plates)
		12 to 22 module units Removable pan assembly Comprising: • Two neutral + one earth terminals • Five blanking plates • One supply busbar • Isolating shield
1	6 075 62	12 modules units

Blanking plates
p. 196

Plastic IP 30 - IK 07

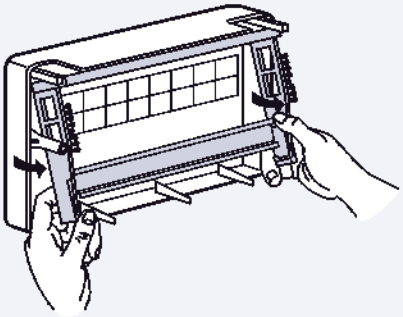
4 to 22 module units





Cat.Nos	Dimensions			
	A	B	C	D
6 075 68	140	225	90	144
6 075 61	212	225	162	144
6 075 62	298	225	268	180

Removable pan assembly



Flush-mounting British standard consumer units



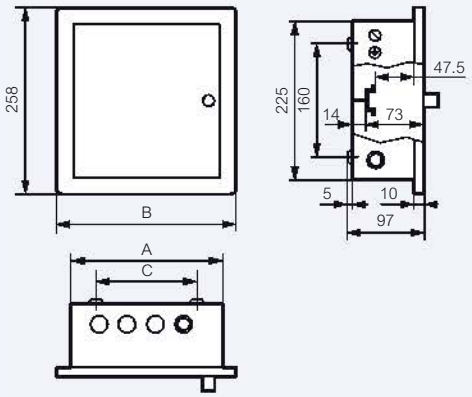
6 010 44

Conform to EN 60439-3
Allows to achieve assemblies conform to IEC 61439-3
Supplied completely assembled with neutral and earth terminals

Pack	Cat.Nos	Flush mounting boxes
		Metal IP 41 - IK 08 with white metal door
1	6 010 42	8 modules units (6 available MCB ways)
1	6 010 44	12 modules units (10 available MCB ways)
1	6 010 46	16 modules units (14 available MCB ways)

Flush-mounting British standard consumer units

Metal IP 41 - IK 08



Cat.Nos	Dimensions			Top bottom			
	A	B	C	Ø25	Ø32	Ø25	Ø32
6 010 42	210	250	140	3	1	3	1
6 010 44	281	321	211	5	1	5	1
6 010 46	353	393	283	6	1	6	1

Surface mounting cabinets Nedbox

8 to 48 modules



6 012 44



6 012 09



6 012 15

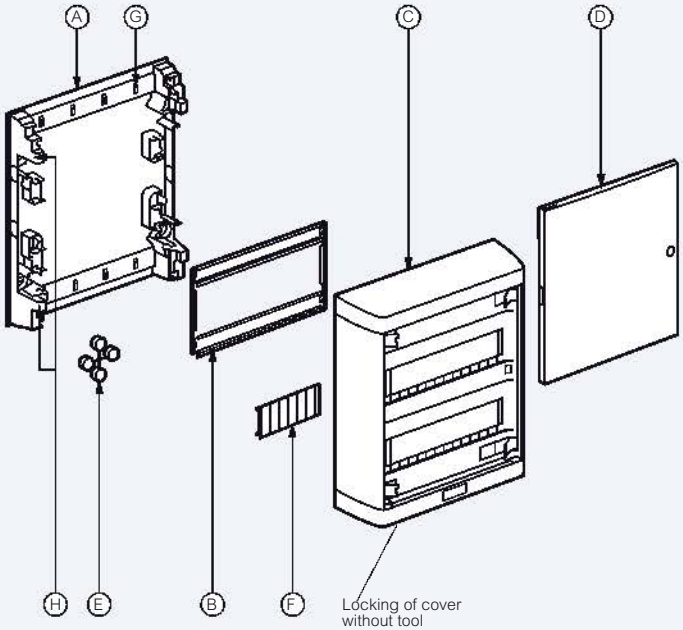
IP 40 - IK 07 with door
IP 30 - IK 05 without door
Class II - White RAL 9010
Conform to EN 60439-3
Allows to achieve assemblies conform to IEC 61439-3
Self extinguishing 650° C
Polysterene material
Can be equipped with reversible plastic or metal door
Chassis can be clipped removed and tipped back to facilitate cabling
Supplied without terminal blocks (see below)

Pack	Cat.Nos	
		Distribution boxes
		Cover fixing with quick motion screws
1	6 012 40	1 row of 8 modules
1	6 012 41	1 row of 12 + 1 modules
		Fast locking by flip latch
		Distance between rails : 125 mm
1	6 012 42	2 rows of 12 + 2 modules
1	6 012 43	3 rows of 12 + 3 modules
1	6 012 44	4 rows of 12 + 4 modules
		Doors
		Plastic doors - polycarbonate
	White / Transparent blue tinted	
1	6 012 05 / 6 012 15	For Cat.No 6 012 40
1	6 012 06 / 6 012 16	For Cat.No 6 012 41
1	6 012 07 / 6 012 17	For Cat.No 6 012 42
1	6 012 08 / 6 012 18	For Cat.No 6 012 43
1	6 012 09 / 6 012 19	For Cat.No 6 012 44
	White	**Metal doors**
1	6 012 26	For Cat.No 6 012 41
1	6 012 27	For Cat.No 6 012 42
1	6 012 28	For Cat.No 6 012 43
1	6 012 29	For Cat.No 6 012 44
		Accessories
1	0 014 91	Key lock for Cat.Nos 6 012 42/43/44 and 6 014 41/42/43/44/51/52/53/54
1	0 013 89	Sealing kit
		Blanking plates
		Separable into modules or 1/2 modules
20	0 016 60	5 modules - white
10	0 016 62	13 modules - white
		Terminal blocks for 1 row of 8 modules
10	6 012 90	Neutral and earth - 2 x 8 holes
		Terminal blocks for 1, 2, 3 and 4 rows of 12 modules
10	6 012 91	Neutral and earth - 2 x 12 holes
10	6 012 92	Earth - 30 holes
10	6 012 93	Neutral - 30 holes

Surface mounting cabinets Nedbox

8 to 48 modules

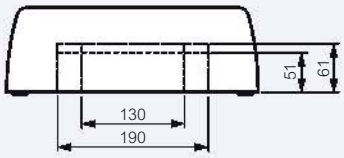
Distribution cabinets 2, 3 or 4 rows of 12 modules



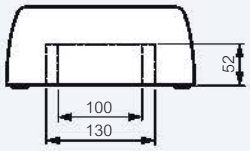
A : insulating base
B : chassis/rail
C : cover
D : plastic or metal door
E : sealing caps
F : blanking plates
G : supports for cables ties
H : fixation for terminal blocks

Pre-cut part for trunking systems

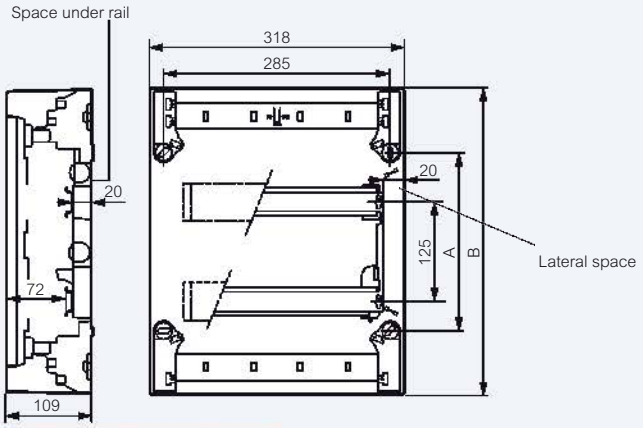
For 2, 3 and 4 rows cabinets



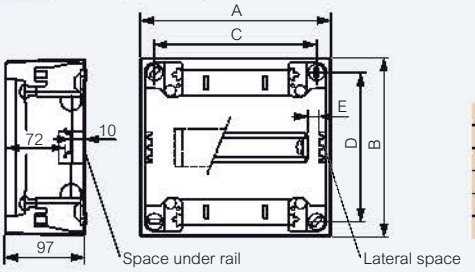
For 1 row cabinets



Dimensions



	24 mod.	36 mod.	48 mod.
A	225	350	475
B	380	505	630



	8 mod.	12 mod.
A	225	317
B	210	240
C	195	287
D	180	150
E	14	9

Flush-mounting cabinets Nedbox

12 to 48 modules



0 014 43



0 014 53

IP 40 - IK 07
Class II
Conform to EN 60439-3
Allows to achieve assemblies conform to IEC 61439-3
Self extinguishing: resistance to incandescent wire 850° C

Flush-mounting distribution cabinets

White RAL 9010
Supplied with:
- reversible door
- screw terminal blocks for neutral and earth

Spacing between rails 125 mm
For installation in dry partitions use the flush-mounting kit Cat.No 0 014 90

With metal door white RAL 9010

Pack	Cat.Nos	Number of rows	Number of modules	Height (mm)	Width (mm)	Depth (mm)
1	0 014 41	1	12 + 2	305	330	87
1	0 014 42	2	24 + 4	430	330	87
1	0 014 43	3	36 + 6	555	330	87
1	0 014 44	4	48 + 8	680	330	87

With transparent door

Pack	Cat.Nos	Number of rows	Number of modules	Height (mm)	Width (mm)	Depth (mm)
1	0 014 51	1	12 + 2	305	330	87
1	0 014 52	2	24 + 4	430	330	87
1	0 014 53	3	36 + 6	555	330	87
1	0 014 54	4	48 + 8	680	330	87

Accessories

"Reduced depth" mounting frame for dry partitions
For reducing the mounting depth to 70 mm instead of 87 mm

1	0 014 81	For 1-row cabinets Cat.No 0 014 41/51
1	0 014 82	For 2-row cabinets Cat.No 0 014 42/52
1	0 014 83	For 3-row cabinets Cat.No 0 014 43/53
1	0 014 84	For 4-row cabinets Cat.No 0 014 44/54

Flush-mounting kit for dry partitions

1	0 014 90	For installation of Nedbox fl ush-mounting cabinets in dry partitions

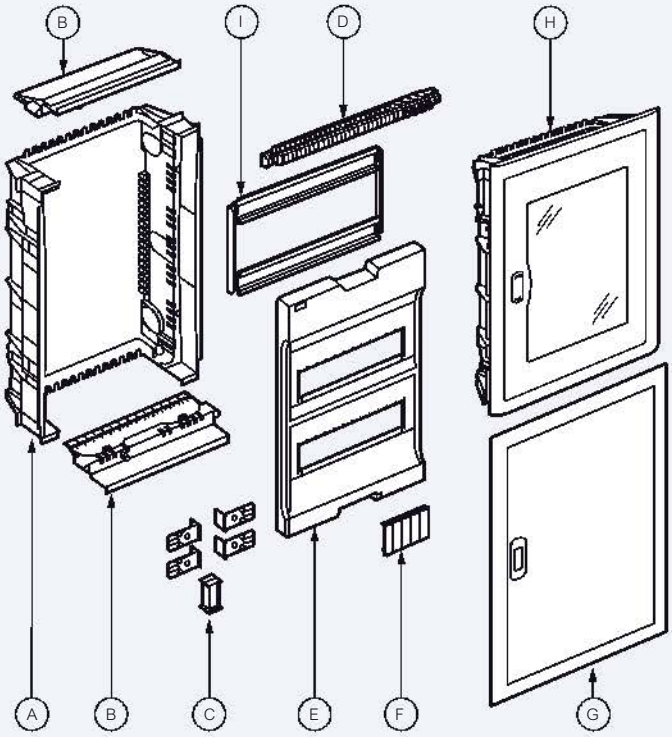
Key lock

1	0 014 91	Key lock for Cat.Nos 6 012 42/43/44 and 6 014 41/42/43/44/51/52/53/54

Flush-mounting cabinets Nedbox

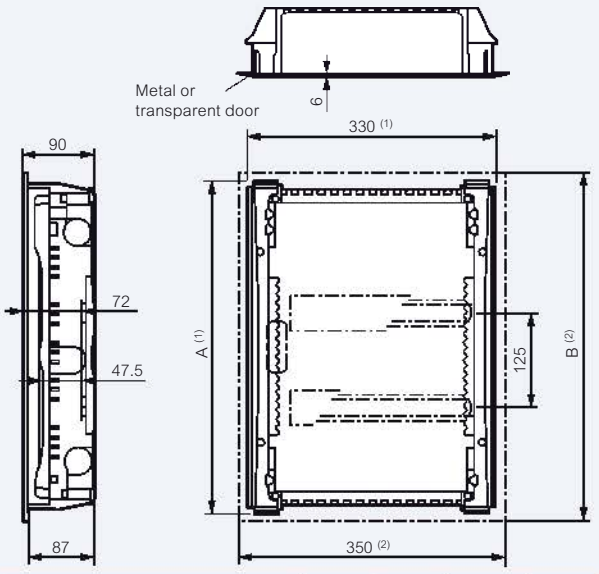
12 to 48 modules

Distribution cabinets 1, 2, 3 or 4 rows of 12 modules



A : flush-mounting box
B : cable entry plate
C : wall anchors (fasteners) for masonry
D : screw terminal blocks
E : removable faceplate
F : blanking plates
G : metal door
H : transparent door
I : removable chassis

Dimensions



	1 row	2 rows	3 rows	4 rows
A : flush-mounting box height (mm)	305	430	555	680
B : door height (mm)	335	460	585	710

Number of connections per terminal block and number of blanking plates supplied per cabinet

Number of rows	Terminal blocks Screw connection		Number of blanking plates supplied per cabinet
	6 - 25 mm²	1.5 - 16 mm²	5 modules
1	1	12	1
2	1	16	1
3	1	21	2
4	1	36	2

1: Flush-mounting box dimensions 2: Door dimensions

Surface mounting cabinets XL³ 125

from 18 to 72 modules



4 016 79 4 016 78 4 016 77 4 016 76



4 016 79 + 4 018 64



4 016 77 + 4 018 72



4 018 56



4 018 44



4 018 51

Technical characteristics **p. 201**

IP 40 - IK 09 with door
IP 30 - IK 08 without door
Class II
Self-extinguishing: resistance to incandescent wire 650 °C
Conform to IEC 60439-3 and IEC 60670-24
Allows to achieve assemblies conform to IEC 61439-3

Surface-mounting distribution cabinets

Capacity 18 modules per row
White RAL 9003
Fully reversible cabinet (base, door and faceplates)
Supplied with:
- removable and pivoting chassis with ⊔ rails fitted. Rails can be individually removed for easy cabling on site
- removable cable entry plate (top and bottom)
- removable faceplates (for each row)
- IP 2X screw terminal blocks for neutral and earth
- blanking plates (5 modules, separable per module or 1/2 module)
- 1 sheet of self-adhesive labels for circuit identification (marking per module)

Spacing between rails 150 mm
Adjustable ⊔ rail (2-position) for fitting modular equipment or DPX³ 160 moulded case circuit breakers
Can be fitted with perforated plates and solid faceplates for mounting non-modular products (2, 3 to 4-row cabinets)
Doors to be ordered separately

Pack	Cat.Nos	Number of rows	Number of modules	Height (mm)	Width (mm)	Depth (mm)
1	4 016 76	1	18	300	450	128
1	4 016 77	2	36	450	450	128
1	4 016 78	3	54	600	450	128
1	4 016 79	4	72	750	450	128

Doors - IP 40 - IK 09

For XL³ 125 distribution cabinets
Fully reversible
Can be equipped with lock and key n° 850
Cat.No 4018 51

Pack	Cat.Nos	
		White RAL 9003
1	4 018 61	For distribution cabinet Cat.No 4 016 76
1	4 018 62	For distribution cabinet Cat.No 4 016 77
1	4 018 63	For distribution cabinet Cat.No 4 016 78
1	4 018 64	For distribution cabinet Cat.No 4 016 79
		Transparent
1	4 018 71	For distribution cabinet Cat.No 4 016 76
1	4 018 72	For distribution cabinet Cat.No 4 016 77
1	4 018 73	For distribution cabinet Cat.No 4 016 78
1	4 018 74	For distribution cabinet Cat.No 4 016 79

Accessories

Pack	Cat.Nos	
		Key lock
2	4 018 51	To be fitted on white or transparent doors Supplied with key N° 850
		Horizontal or vertical joining kit
2	4 018 45	For joining 2 cabinets
		Fixing lugs
1	4 018 56	Set of 4 wall fixing lugs
		Document holder
2	4 018 44	Self-adhesive document holder for plans To be fitted on the cabinet
		Blanking plates
		Separable per module or 1/2 module
20	0 016 60	5 modules - white RAL 9003
		Plain faceplates
2	4 018 55	For 2, 3 or 4-rows cabinets Allow fitting of non-modular equipments such as control and signalling units
		Perforated plates
		To be used instead of the one ⊔ rail when integrating non-modular products
2	4 018 53	For 18 modules cabinets. Height 150 mm
		Fixing accessory for Mosaic wiring devices
5	4 018 50	For fixing 2-module mechanisms on the side of the cabinet
		Fixing supports for terminal block
1	4 018 57	Set of 2 supports for installing terminal blocks or additional empty supports
		Empty supports
5	4 048 21	Empty support with 50 holes (length 385 mm) Takes unprotected screw terminal blocks
		IP 2X automatic connection terminal block
1	0 050 54	Conforms to standard IEC 60998-2-1/2-2 Takes flexible and rigid wires Disconnect using a flat screwdriver (3.5 mm) 5 x 6 to 25 mm² screw terminals + 5 x 6 to 35 mm² screw terminals + 45 x 1.5 to 4 mm² automatic terminals Length: 385 mm

XL³-N 125 "MCB dedicated" and XL³-N 250 3-phase distribution boards

from 12 to 54 poles



6 024 54



6 024 61



6 024 90



6 024 91

3-phase distribution boards for DIN-rail mounting circuit breakers
IP 40 - IK 08 with door
Conform to standard IEC 61439-3; Type tested; ASTA certified
Maximum voltage 480 V∿ ; Rated short-time withstand current (Icw): 17 kA 0.2 s
Rated peak withstand current (Ipk): 34 kA
Ambient temperature: 50 °C continuously
Zinc coated metal; Grey RAL 7035
Supplied with: surface or flush-mounting box, reversible door with handle, faceplate, fully isolated tin plated copper busbar
The number of holes of earth and neutral terminal blocks are equal to the number of outgoing devices

XL³-N 125 "MCB dedicated" distribution boards

Maximum rating 125 A

Equipped with mounting kit for main circuit breaker (3P, 1 module/pole, DIN rail mounting MCBs only)

Pack	Cat.Nos Flush-mounting	Cat.Nos Surface mounting	No of poles (outgoing terminals)	No of 3P ways
1	6 027 20	6 027 40	12	4
1	6 027 21	6 027 41	18	6
1	6 027 22	6 027 42	24	8
1	6 027 23	6 027 43	30	10
1	6 027 24	6 027 44	36	12
1	6 027 25	6 027 45	42	14
1	6 027 26	6 027 46	48	16
1	6 027 27	6 027 47	54	18

XL³-N 250 distribution boards

Maximum rating 125 A

To be equipped with mounting kit for main circuit breaker (DIN-rail mounting MCBs or DRX 100 or DPX³ 160 MCCBs)

Pack	Cat.Nos Flush-mounting	Cat.Nos Surface mounting	No of poles (outgoing terminals)	No of 3P ways
1	6 024 50	6 024 70	12	4
1	6 024 51	6 024 71	18	6
1	6 024 52	6 024 72	24	8
1	6 024 53	6 024 73	30	10
1	6 024 54	6 024 74	36	12
1	6 024 55	6 024 75	42	14
1	6 024 56	6 024 76	48	16
1	6 024 57	6 024 77	54	18

Maximum rating 250 A

To be equipped with mounting kit for main circuit breaker (DRX 250 or DPX³ 250 MCCBs)

Pack	Cat.Nos Flush-mounting	Cat.Nos Surface mounting	No of poles (outgoing terminals)	No of 3P ways
1	6 024 58	6 024 78	18	6
1	6 024 59	6 024 79	24	8
1	6 024 60	6 024 80	30	10
1	6 024 61	6 024 81	36	12
1	6 024 62	6 024 82	42	14
1	6 024 63	6 024 83	48	16
1	6 024 64	6 024 84	54	18

Mounting kits for main circuit breakers

Pack	Cat.Nos	
		Consisting of fixing device (DIN rail or fixing plate), faceplate and connection terminals
		For XL³-N 250 distribution boards
1	6 024 90	For 3P, 1 module/pole, DIN-rail mounting MCBs (for 125 A rating)
1	6 024 91	For DRX 125 3P MCCBs (for 125 A rating)
1	6 024 92	For DRX 250 3P MCCBs (for 250 A rating)
1	6 027 96	For DPX³ 160 3P MCCBs
1	6 027 97	For DPX³ 250 3P MCCBs

Accessories

Pack	Cat.Nos	
		Fixing supports for terminal blocks
1	6 024 93	Kit consisting of 2 insulated fixing supports for terminal blocks for earth
		Insulating caps
20	6 024 94	For protecting unused outgoing terminals of the busbar
		Blanking plate RAL 7035
		Separable into modules or 1/2 modules
10	0 016 65	18 modules
		Key lock
5	6 027 95	For XL³-N 125 "MCB dedicated" and XL³-N 250 distribution boards
		IP 41 kit
5	6 027 98	For XL³-N 250 distribution boards

Flush-mounting cabinets XL³ 160

"ready to use" distribution cabinets



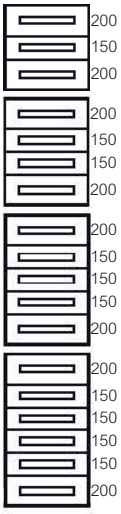
0 200 13 + door 0 202 83 (p. 200)

Doors and equipment **p. 200**

Fireproof to 750 °C/5 s in accordance with IEC 60695-2-1 for installation in public buildings
Supplied complete:
- metal flush-mounting box,
- removable chassis with rails fitted,
- brass bar for protective conductors fitted:
36 holes 1.5 to 10 mm², 2 x 35 mm² holes,
- finishing frame and plastic faceplates
Flush-mounting depth: 100 mm min.
Capacity: 24 modules per row
RAL 7035
Doors to be ordered separately (p. 200)
Can take DPX³ 160 units
IP 40 – IK 08 with door
IP 30 – IK 04 without door

Fully modular cabinets

Pack	Cat.Nos	No of rows	No of modules	Front panel Height (mm)	Front panel Width (mm)	Box Height (mm)	Box Width (mm)
1	0 200 13	3	72	695	670	640	617
1	0 200 14	4	96	845	670	790	617
1	0 200 15	5	120	995	670	940	617
1	0 200 16	6	144	1145	670	1090	617



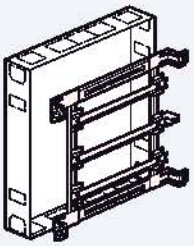
Fixing accessory

Pack	Cat.Nos	
1	0 200 10	For hollow partition

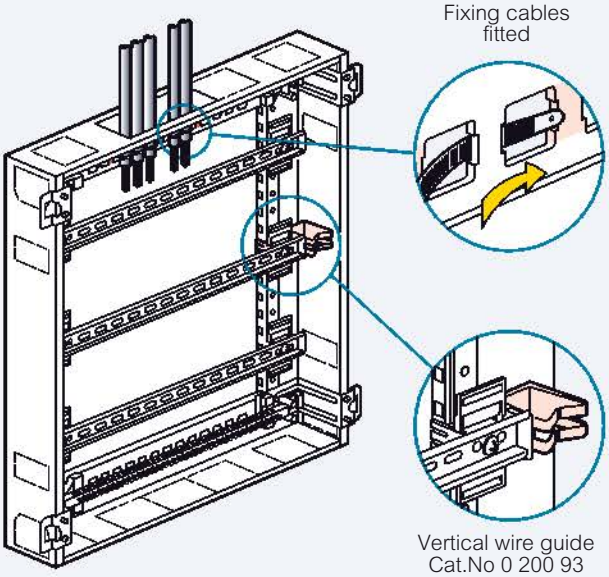
Flush-mounting cabinets XL³ 160

"ready to use" distribution cabinets

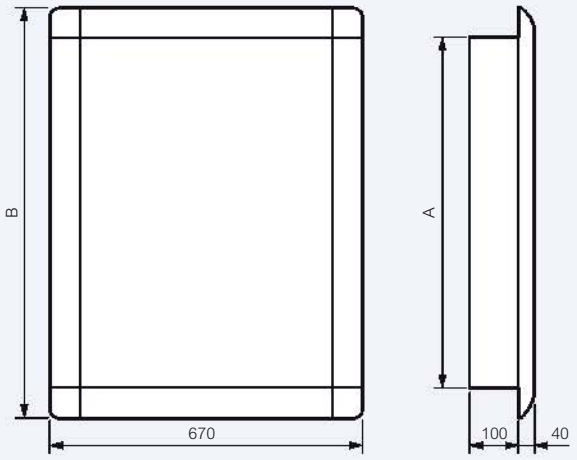
Installation principle



Removable chassis



Dimensions



Cat.Nos	A (mm)	B (mm)
0 200 13	640	695
0 200 14	790	845
0 200 15	940	995
0 200 16	1090	1145

Surface mounting cabinets XL³ 160

"ready to use" distribution cabinets



0 200 06



0 200 45



0 200 54 + finishing strip 0 201 60



0 201 50



0 200 71

Technical characteristics **p. 201**
Doors and equipment **p. 200**

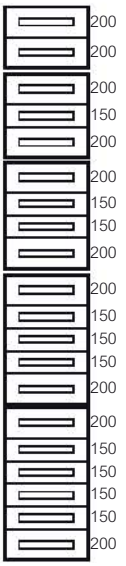
Removable chassis with rails ⌙⌙ fitted
Brass bar for protective conductors fitted: 36 holes 1.5 to 10 mm² and 2 x 35 mm² holes. Capacity 24 modules per row. RAL 7035
Supplied complete with rails and faceplates. Doors to be ordered separately (p. 200)
For creating assemblies certified in accordance with IEC EN 61439-1
Removable side panels. Removable, separable top and bottom panels for inserting adjustable cable gland plate

XL³ 160 metal cabinets

Fireproof to 750 °C/5 s in accordance with IEC 60695-2-1 for installation in public buildings
IP 43 – IK 08 with seal and door
IP 40 – IK 08 with door
IP 30 – IK 07 without door

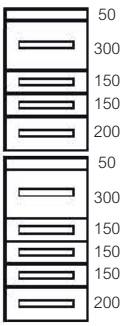
Fully modular
Can take DPX³ 160

Pack	Cat.Nos	No of rows	No of modules	Height (mm)	Width (mm)	Depth (mm)
1	0 200 02	2	48	450	575	147
1	0 200 03	3	72	600	575	147
1	0 200 04	4	96	750	575	147
1	0 200 05	5	120	900	575	147
1	0 200 06	6	144	1050	575	147



Fully modular with DPX³ 160 space

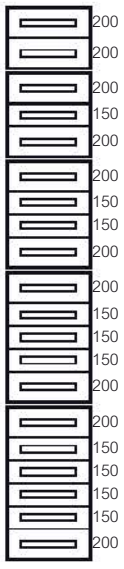
Pack	Cat.Nos	No of rows	No of modules	Height (mm)	Width (mm)	Depth (mm)
1	0 200 45	5	120	900	575	147
1	0 200 46	6	144	1050	575	147



XL³ 160 insulating cabinets

Enclosures for creating class II (or totally isolated) assemblies in accordance with IEC EN 61439-1/3
IP 43 – IK 07 with seal and door
IP 40 – IK 07 with door
IP 30 – IK 04 without door
Wire guide rings for vertical wiring
Can take DPX³ 160

Pack	Cat.Nos	No of rows	No of modules	Height (mm)	Width (mm)	Depth (mm)
1	0 200 52	2	48	450	575	147
1	0 200 53	3	72	600	575	147
1	0 200 54	4	96	750	575	147
1	0 200 55	5	120	900	575	147
1	0 200 56	6	144	1050	575	147



Accessories for metal cabinets

Pack	Cat.Nos	
1	0 200 20	**Cable entry plates** Additional adjustable plate
1	0 200 35	**Cable fixing support** Holds cable in place on entry to cabinet
1	0 201 00	**Wall mounting lugs** Set of 4 metal lugs for IP 43 cabinets and enclosures
1	0 200 21	**Plate with knock-out entries** 2 x Ø4 to 32 mm and 22 x Ø4 to 20 mm

Accessories for insulating cabinets

Pack	Cat.Nos	
1	0 201 50	**Wall mounting lugs** Set of 4 plastic lugs for insulating cabinets
1	0 200 71	**Plate with knock-out entries** 2 x Ø4 to 32 mm and 22 x Ø4 to 20 mm

XL³ 160

doors, equipment, wiring, connection of protective conductor


0 202 55


0 200 00


0 202 73 0 202 83


0 203 99


0 200 93


0 373 00

Pack	Cat.Nos	
		Doors
		For XL³ 160 flush and surface mounting cabinets Supplied with handle with interchangeable barrels (to be ordered separately)
		Curved
		Faceplate/door distance: metal - 57 mm
	Metal	For cabinet/enclosure Height (mm):
1	0 202 52	450
1	0 202 53	600
1	0 202 54	750
1	0 202 55	900
1	0 202 56	1050
		Flat
		Faceplate/door distance: metal - 38 mm; glass - 34 mm
	Metal / Glass	
1	0 202 72[1] / 0 202 82[1]	450
1	0 202 73[1] / 0 202 83[1]	600
1	0 202 74[1] / 0 202 84[1]	750
1	0 202 75[1] / 0 202 85[1]	900
1	0 202 76[1] / 0 202 86[1]	1050
		Equipment for doors
		Key barrels for metal or transparent doors
		Supplied with a set of 2 keys
1	0 202 91	Type 405
1	0 202 92	Type 455
1	0 202 93	Type 1242E
1	0 202 94	Type 2433A
		Seal for IP 43 protection
1	0 201 30	Supplied ready to use length 5.5 m for cabinets (width 660 and 910 mm), enclosures and cable sleeves
		Self-adhesive document holders for plan
		Open - RAL 7035

		External dim.		Internal dim.		
		Height (mm)	Width (mm)	Height (mm)	Width (mm)	Depth (mm)
20	0 365 80	235	340	200	310	18
20	0 365 81	165	260	130	230	18

		Closed - RAL 9002
1	0 365 82	Rigid plastic - IP 50 Internal dim.: 324 x 120 x 18 mm
		Transparent
10	0 097 99	Flexible plastic - A4 - 305 x 220 mm
		Equipment for cabinet with DPX³ 160 space
		Universal rail
1	0 200 00	Rail ⌙
	Insulating	**Modular faceplate**
1	0 203 60	Height 300 mm
		Solid faceplate
1	0 203 91	Height 100 mm

1: Not suitable for Vistop with front handle

Pack	Cat.Nos	
		Equipment for fully modular cabinets
	N	**Adaptor for mounting on ⌙ rail**
1	4 210 71	For DPX³ 160 without side motor-driven handle
1	4 210 73	For DPX³ 160 with residual current protection without side motor-driven handle
1	4 210 68	For all DPX³ 160 with side motor-driven handle
1	4 210 58	For DPX³ supply inverter, fixed version
1	4 210 59	For DPX³ supply inverter, plug-in version
		Rail height spacer
		Fits on a rail ⌙; used to mount on the same row DX and DPX³/DPX-IS mounted on plate Cat.Nos 0 262 08/09/39
1	4 052 26	For 20 modules
		Blanking plates RAL 7035
		For metal or plastic faceplates
20	0 200 51	24 modules, smooth adjustable strip
10	0 016 65	18 modules, separable per module or 1/2 module
		Clip-on holders for adhesive labels
		Supplied with sheet of labels for marking rows on faceplate
10	0 203 99	24 modules
		Wiring
		Wire guide
10	0 200 94	For horizontal wiring Fits directly on the rails ⌙ Takes brass bar Cat.No 0 373 00 and 12 x 4 bar with clamps Cat.No 0 373 02
1	0 200 93	For vertical wiring Fits directly on cabinet chassis - Set of 2
		Ducting support
1	0 200 70	For direct vertical mounting of Lina 25 ducting Fits directly on cabinet chassis - Set of 2
		Finishing strip
1	0 201 60	For a perfect finish at the join between DLP trunkink and XL³ cabinet or enclosures RAL 7035
		Connection of protective conductors
		Additional brass bar
1	0 373 00	Length 416 mm, 12 x 6.5 mm cross-section Fits directly on the supports integrated in XL³ 160 cabinet or on rail ⌙ with wire guides Cat.No 0 200 94 or on the support end stop Cat.No 0 375 12 - 36 holes Ø5.3 mm (1.5 to 10 mm²) - 2 holes Ø9 mm (35 mm²)
		Support for IP 2X terminal block
1	0 200 50	Set of 2 supports Fit directly at the back of cabinets (horizontal or vertical position) Takes 12 x 2 flat bar Cat.No 0 048 19 (p. 180)
		Equipotential link conductor
1	0 373 85	Length 350 mm Cross-section 6 mm², ensures equipotential continuity when fitting auxiliaries on door (Osmoz signalling units > 50 V)

Surface mounting cabinets XL³ 125

from 18 to 72 modules

Number of connections per neutral and earth terminal block (supplied with enclosure)

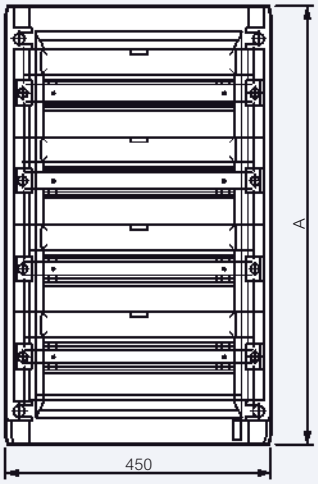
Enclosure Cat.Nos	Neutral terminal blocks Screw connection		Earth terminal blocks Screw connection	
	6 - 25 mm²	1.5 - 16 mm²	6 - 25 mm²	1.5 - 16 mm²
4 016 76	1	17	1	17
4 016 77	1	21	1	21
4 016 78	1	26	1	26
4 016 79	1	34	1	34

Number of blanking plates supplied per enclosure

Enclosure Cat.Nos	Number of blanking plates 5 modules
4 016 76	1
4 016 77	2
4 016 78	3
4 016 79	3

Dimensions

Front view



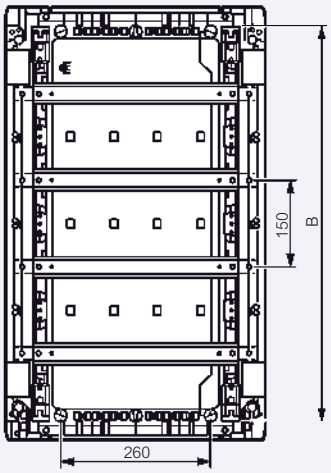
Side view without door



Side view with door



Fixing centres and distance between rails

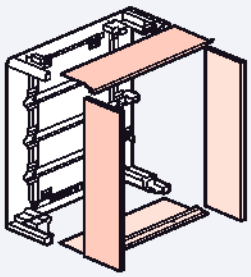


Enclosure Cat.Nos	A (mm)	B (mm)
4 016 76	300	250
4 016 77	450	365
4 016 78	600	515
4 016 79	750	665

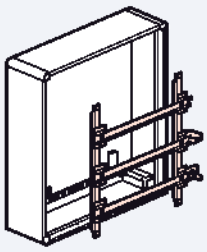
Surface mounting cabinets XL³ 160

"ready to use" distribution cabinets

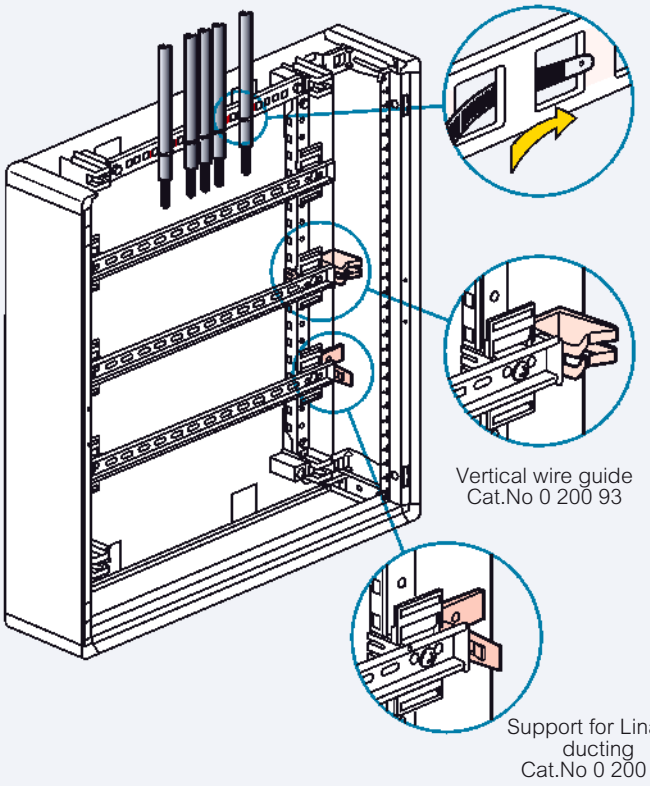
Installation principle



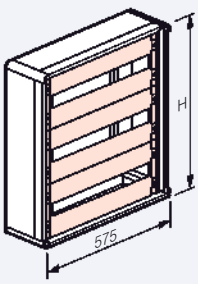
Side panels can be removed separately



Removable chassis

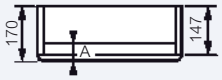


Dimensions



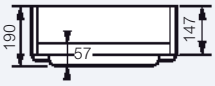
Cat.Nos	H (mm)
0 200 02	450
0 200 03	600
0 200 04	750
0 200 05	900
0 200 06	1050
0 200 45	900
0 200 46	1050
0 200 52	450
0 200 53	600
0 200 54	750
0 200 55	900
0 200 56	1050

With flat door



	A (mm)
Metal	38
Glass	34

With curved door (metal)



Be free to organize your enclosure

XL³ 400 self-assembly cabinets and enclosures, IP 43 metal or insulated



XL³ 400 canbinets & enclosures p. 204

MAIN BENEFITS

- Optimised transport and stocking thanks to flat packaging
- Optimised use of space inside enclosures thanks to external cable sleeve that can be equipped with DPX³ MCCBs
- Takes: DIN rail equipment, DPX³, DPX-IS and Vistop ⩽ 400 A

Equipment selection for XL³ 400

Device	Fixing	Position	
FIXING ON DIN-RAIL			
Modular devices < 63 A	Cabinet or enclosure	vertical	
	Cable sleeve	vertical	
Modular devices > 63 A	Cabinet or enclosure	vertical	
	Cable sleeve	vertical	
Vistop 63 to 160 A	Cabinet or enclosure	vertical	
DPX-IS 250	Cabinet or enclosure	vertical	
FIXING ON PLATE			
DPX³ 160 (Combination possible with DPX³ 250)	Cabinet or enclosure	vertical	
		horizontal	
	Cable sleeve	vertical	
DPX³ 250 (Combination possible with DPX³ 160)	Cabinet or enclosure	vertical	
		horizontal	
	Cable sleeve	vertical	
DPX-IS 250	Cabinet or enclosure	vertical	
	Cable sleeve	vertical	
DPX³ 630	Cabinet or enclosure	vertical	
		horizontal	
	Cable sleeve	vertical	
DPX-IS 630	Cabinet or enclosure	vertical	

1: Cat.Nos 4 210 73/74 for DPX³ with electronic earth leakage module

OPTIMISED DISTRIBUTION HX³/VX³



Full offer of optimised distribution available on request.
Download the product guide on www.docexport.legrand.com

	Type of device	Fixing device	Fixing plate	Faceplate for devices	
				Height (mm)	Metal
		0 202 06 0 202 01	-	150	0 203 00
		0 202 03	-	150	0 203 03
		0 202 06 0 202 01	-	200	0 203 01
		0 202 03	-	200	0 203 04
		0 202 06 0 202 01	-	200	0 203 01
	with modular devices	0 202 06	0 262 09	300	0 203 10
	with or without e.l.c.bs and without direct rotary handle	-	0 202 11 + 4 210 71/73[1]	300	0 203 10
	with or without e.l.c.bs and with direct rotary handle	-	0 202 11 + 4 210 68	300	0 203 10
	direct rotary handle[1]		0 202 09	300	0 203 09
	manual supply inverter[2]	-	0 202 11 + 4 210 58	300	0 203 10
	with or without e.l.c.b	-	0 202 13	150	0 203 13
	with or without e.l.c.b	-	0 202 17	300	0 203 18
	with or without e.l.c.b and without side motor-driven handle	-	0 202 11 + 4 210 72/74[1]	300	0 203 10
	with or without e.l.c.b and with side motor-driven handle	-	0 202 11 + 4 210 69	300	0 203 10
	direct rotary handle[1]		0 202 09	300	0 203 09
	manual supply inverter[2]	-	0 202 11 + 4 210 58	300	0 203 10
	with or without e.l.c.bs	-	0 202 15	200	0 203 17
	with or without e.l.c.bs	-	0 202 17	300	0 203 18
	device only in central position		0 202 05	300	0 203 10
	device only		0 202 17 + 0 262 39	300	0 203 18
	device only centred		0 202 21	400	0 203 21
	centred with e.l.c.bs		0 202 23	600	0 203 23
	without downstream e.l.c.bs		0 202 25	300	0 203 25
	device only		0 202 28	400	0 203 28
	with downstream e.l.c.bs		0 202 29	800	0 203 29
	device only		0 202 07	400	0 203 07

Distribution cabinets and enclosures XL³ 400


0 201 19


0 201 39


0 201 05

Dimensions and installation principle **see e-catalogue**

Take devices up to 400 A
Fireproof to 750 °C/5 s in accordance with IEC 60 695-2 for installation in public buildings (up to 100 kVA for Class II cabinets)
Capacity: 24 modules per row
Enclosures RAL 7035, plinths RAL 7004
Door to be ordered separately
Supplied flat with functional uprights fitted on the back, adjustable cable entry plate and joining accessories (horizontal and vertical)

Metal cabinets

IP 43 - IK 08 with kit and door
IP 40 - IK 08 with door
IP 30 - IK 07 without door

To be equipped

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width total (mm)	Width usable (mm)	Depth (mm)
1	0 201 03	600	550	575	515	175
1	0 201 04	750	700	575	515	175
1	0 201 05	900	850	575	515	175
1	0 201 06	1050	1000	575	515	175
1	0 201 07	1200	1150	575	515	175
1	0 201 08	1500	1450	575	515	175

External cable sleeves

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width total (mm)	Width usable (mm)	Depth (mm)
1	0 201 23	600	550	310	250	175
1	0 201 24	750	700	310	250	175
1	0 201 25	900	850	310	250	175
1	0 201 26	1050	1000	310	250	175
1	0 201 27	1200	1150	310	250	175
1	0 201 28	1500	1450	310	250	175

Metal enclosures

IP 43 - IK 08 with kit and door
IP 40 - IK 08 with door
IP 30 - IK 07 without door

To be equipped
Supplied with plinth, height 100 mm

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width total (mm)	Width usable (mm)	Depth (mm)
1	0 201 18	1600	1450	575	515	175
1	0 201 19	1900	1750	575	515	175

External cable sleeves
Supplied with plinth, height 100 mm

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width total (mm)	Width usable (mm)	Depth (mm)
1	0 201 38	1600	1450	310	250	175
1	0 201 39	1900	1750	310	250	175

For XL³ 400 insulating and IP 55 distribution cabinets, **Please, consult us**

For detailed dimensions and installation principle, **see e-catalogue**

Doors and equipment for XL³ 400


0 202 55


0 202 73


0 202 59


0 202 83


0 201 21

Metal doors

Pack	Cat.Nos	
		Supplied with handle with interchangeable key barrels (to be ordered separately)
		Curved
		Faceplate/door distance: 57 mm
	Metal	For cabinet/enclosure Height (mm)
1	0 202 53	600
1	0 202 54	750
1	0 202 55	900
1	0 202 56	1050
1	0 202 57	1200
1	0 202 58	1500/1600
1	0 202 59	1900
		Flat
		Faceplate/door distance: metal-38 mm; glass-34mm
	Metal | Glass	
1	0 202 73[1] | 0 202 83[1]	600
1	0 202 74[1] | 0 202 84[1]	750
1	0 202 75[1] | 0 202 85[1]	900
1	0 202 76[1] | 0 202 86[1]	1050
1	0 202 77[1] | 0 202 87[1]	1200
1	0 202 78[1] | 0 202 88[1]	1500/1600
1	0 202 79[1] | 0 202 89[1]	1900
		Flat for cable sleeves
	Metal	Faceplate/door distance: 38 mm
1	0 201 63	600
1	0 201 64	750
1	0 201 65	900
1	0 201 66	1050
1	0 201 67	1200
1	0 201 68	1500/1600
1	0 201 69	1900

Equipment for doors

Pack	Cat.Nos	
		Key barrels for metal or transparent doors
		Supplied with a set of 2 keys
1	0 202 91	Type 405
1	0 202 92	Type 455
1	0 202 93	Type 1242 E
1	0 202 94	Type 2433 A
		Seal for IP 43 protection
1	0 201 30	Supplied ready to use length 5.5 m for cabinets (width 660 and 910 mm), enclosures and cable sleeves

Self-adhesive document holders for plan

Pack	Cat.Nos		External dim. Height (mm)	External dim. Width (mm)	Internal dim. Height (mm)	Internal dim. Width (mm)	Internal dim. Depth (mm)
		Open - RAL 7035					
20	0 365 80		235	340	200	310	18
20	0 365 81		165	260	130	230	18
		Closed - RAL 9002					
1	0 365 82	Rigid plastic - IP 50 Internal dim.: 324 x 120 x 18 mm					
		Transparent					
10	0 097 99	Flexible plastic - A4 - 305 x 220 mm					

Mounting accessories

Pack	Cat.Nos	
		Plinths
		Height 100 mm
1	0 201 10	For cabinets and enclosures
1	0 201 12	For cable sleeves
		Cable entry plates
1	0 201 20	Additional adjustable plate for XL³ 400 metal
		Wall mounting lugs
1	0 201 00	Set of 4 metal lugs for IP 43 cabinets and enclosures
		Plates with knock-out entries
		2 x Ø4 to 32 mm and 22 x Ø4 to 20 mm
1	0 201 21	For XL³ 400 metal

1: Not suitable for Vistop with front handle

Distribution equipment and accessories
p. 206 to 209



For curved glass doors,
Please, consult us

Equipment for XL³ 400

for modular devices, Vistop, DPX³ 160/250 and DPX-IS 250 on rail



0 202 01



0 202 06



0 203 00



0 203 01

Installation principle **see e-catalogue**

Pack	Cat.Nos	Fixing rails
		Comprising: a rail and 2 fixing brackets Fit onto functional uprights Take wire guides Cat.No 0 200 94 (p. 209)
		1 position rail For modular devices and Vistop up to 160 A
1	0 202 01	For fixing on XL³ 400 functional uprights only
		2 positions aluminium rail For DPX³ and DPX-IS 250 with plates Accepts HX³ 125 A plug-in connection row distribution blocks
1	0 202 06	For fixing on XL³ 400 functional uprights only Accepts wire guide Cat.No 4 052 25 (p. 209)
		Fixing plates for mounting DPX³ 160/250 on rail
	N	For mounting DPX³ 160/250 on aluminium rail Cat.No 0 202 06 or on plate Cat.No 0 202 11
1	4 210 71	For DPX³ 160
1	4 210 73	For DPX³ 160 with earth leakage module
1	4 210 68	For all DPX³ 160 devices with side motor-driven handle
1	4 210 72	For DPX³ 250
1	4 210 74	For DPX³ 250 with earth leakage module
1	4 210 69	For all DPX³ 250 devices with side motor-driven handle
		Adaptor for mounting DPX-IS 250 on rail For mounting devices on aluminium rail Cat.No 0 202 06 and on plate Cat.No 0 202 11
1	0 262 39	For DPX-IS 250
		Rail height spacer Designed for simultaneous mounting of modular devices and DPX³ 160/250 and DPX-IS 250 devices mounted mounted on rail Cat.No 0 202 06 or on plate Cat.No 0 202 11
	N	
1	4 052 26	For 20 modules

Pack	Cat.Nos	Metal faceplates
		1/4 turn fastening and sealable
		For modular devices
1	0 203 00	Height 150 mm
		For Vistop up to 160 A
1	0 203 01	Height 200 mm
		For DPX³ or DPX-IS 250, and Vistop up to 160 A
1	0 203 10	Height 300 mm

Equipment for XL³ 400

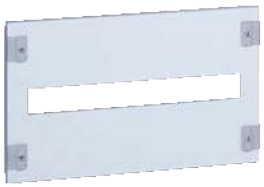
for mounting on plate: DPX³ 160, DPX³ 250 and DPX-IS 250



0 202 11



0 202 13



0 203 10



0 203 13

Pack	Cat.Nos	Plates for fixed version with front terminals
		Fit onto functional upright
	N	**Vertical mounting**
1	0 202 11	Equipped with a rail for fixing DPX³ 160/250 or DPX-IS 250[1] The DPX³ or the DPX-IS 250 must be equipped with a fixing plate Cat.Nos 4 210 68/69/71/72/73/74 or Cat.No 0 262 39 or plate for manual supply inverter Cat.No 4 210 58 Designed for simultaneous mounting of DPX³ 160/250 and DPX-IS and modular equipment (with spacer Cat.No 0 262 99)
1	0 202 09	Plate for DPX³ 160/250 with direct rotary handle The DPX³ must be equipped with a fixing plate Cat.Nos 4 210 68/69
		Horizontal mounting
	N	For cut-out protection for cable passing, use seal Cat.No 0 202 40
1	0 202 13	For 1 DPX³ 160 thermal-magnetic
1	0 202 15	For 1 DPX³ 250 or 1 DPX³ 160 electronic release

Pack	Cat.Nos	Metal faceplates
		1/4 turn fastening and sealable
		For DPX³ and DPX-IS 250 in vertical position
1	0 203 10	Height 300 mm
	N	
1	0 203 11	Height 400 mm for DPX³ 250 with terminal shields
1	0 203 09	Height 300 mm for DPX³ 160/250 with direct rotary handle
		For DPX³ 160 in horizontal position
1	0 203 13	Height 150 mm
		For DPX³ 250 in horizontal position
1	0 203 17	Height 200 mm

1: Requires 300 mm height face plate, when installed at the top of the enclosure

Equipment for XL³ 400

for mounting on plate: DPX³ 630 and DPX-IS 630



0 202 21



0 203 21

Installation principle **see e-catalogue**

Pack	Cat.Nos	
		Plates for fixed version devices with front terminals
		An additional rail can be installed ⊔ Fit onto functional uprights
		Devices in vertical position
1	0 202 07[1]	For 1 DPX-IS 630
1	0 202 21[1]	For 1 DPX³ 630 in central position
1	0 202 23[1]	For 1 DPX³ 630 with earth leakage module in central position
		Device in horizontal position
		For cut-out protection for cable passing, use seal Cat.No 0 202 40 (p. 208)
1	0 202 25[1]	For 1 DPX 630 without earth leakage module
		Metal faceplates for devices in vertical position
		1/4 turn fastening and sealable
		For DPX-IS 630
1	0 203 07[1]	Height 300 mm
		For 1 DPX³ 630 in central position
1	0 203 21[1]	Height 400 mm
		For 1 DPX³ 630 in central position with e.l.c.b.
1	0 203 23[1]	Height 600 mm
		Metal faceplates for devices in horizontal position
		1/4 turn fastening and sealable
1	0 203 25	Height 300 mm for 1 DPX³ 630

1: Limited to 400 A

Equipment for XL³ 400 cable sleeves

for mounting devices on rail ⊔ or on plate



0 202 03



0 203 03



0 202 17



0 203 18

Installation principle **see e-catalogue**

Fixing on rail with faceplates for modular devices up to 160 A
Fixing on plates with faceplates for DPX³ 160, 250, DPX 250, 630 and DPX-IS 250

Pack	Cat.Nos	
		Fixing on rail ⊔ modular devices and Vistop up to 160 A
1	0 202 03	Comprising a rail ⊔ and 2 fixing brackets Fit onto functional uprights Take wire guides Cat.No 0 200 94 Capacity: 9 modules
		1/4 turn faceplates for mounting on rail ⊔
		1/4 turn fastening and sealable for devices on rail ⊔
		For modular devices
1	0 203 03	Height 160 mm
		For modular devices and Vistop up to 160 A
1	0 203 04	Height 200 mm
		Plates for fixed version devices with front terminals
		Devices in vertical position Fit onto functional uprights
1	0 202 17	For DPX³ 160, DPX³ 250 and DPX-IS 250
1	0 202 28[1]	For DPX³ 630
1	0 202 29[1]	For DPX³ 630, with downstream earth leakage module
		Metal faceplates for mounting on plates
		1/4 turn fastening and sealable for devices on plates
		For DPX³ 160/250 and DPX-IS 250
1	0 203 18	Height 300 mm
1	0 203 27	Height 400 mm for DPX³ 250 with terminal shields
		For DPX³ 630
1	0 203 28[1]	Height 400 mm
		For DPX³ 630 with earth leakage module
1	0 203 29[1]	Height 800 mm

1: Limited to 400 A

Accessories and faceplates for XL³ 400



0 202 41



0 201 60



0 201 45



0 200 92



0 203 41



0 203 99

Pack	Cat.Nos	Accessories
		Perforated universal plates
		Fit directly onto functional uprights
1	0 202 41	Height 200 mm for cabinets and enclosures
1	0 202 42	Height 300 mm for cabinets and enclosures
2	0 202 43	Height 300 mm for cable sleeves
		Clips nuts for perforated plates
100	0 364 40	For M4 screws
100	0 364 41	For M5 screws
		Finishing strip
1	0 201 60	For a perfect finish at the join between DLP trunking and XL³ cabinets or enclosures RAL 7035
		Universal rail ⌙⌟
1	0 202 04	Fits onto functional uprights Width 515 mm
		Universal adjustable fixing device
1	0 202 02	Comprising a rail 2 and 2 adjustable fixing brackets Fits onto functional uprights of XL³ 400
		Insulating fixing support
1	0 200 90	Set of 2 supports Fits directly on functional uprights in XL3 400/800 cabinets or enclosures For creating an insulated earth with 12 x 4 mm copper bar (Cat.No 0 373 49) or flat bar 12 x 2 mm (Cat.No 0 048 19) and IP 2X terminal block Also takes universal rails Cat.Nos 0 202 04, 0 206 05/54
		Cable fixing support
		For fixing ties for holding cables in place on entry to the cabinet
1	0 201 35	For cabinets and enclosures
1	0 201 37	For cable sleeves
		Universal support
		For mounting terminal blocks, earth terminals… Set of 3 metal supports
1	0 201 96	For internal cable sleeves
		Divider
1	0 201 90	For horizontal compartmentalisation
		Clip nuts for functional uprights
		1/4 turn fastening on front panel
20	0 200 92	Clip nuts for M6 screw
		Screws
50	0 200 91	M6 screws
		Aerosol paint spray
6	0 200 98	RAL 7035 - 400 ml
		Lighting kit
1	0 203 89	For mounting on supplied plate
		Protection seal
1	0 202 40	For cut-out protection on plate Length 20 m, can be cut to length

Pack	Cat.Nos	1/4 turn solid faceplates
		For cabinets and enclosures
		Fastening and sealable
	Metal	Height (mm)
1	0 203 40	50
1	0 203 41	100
1	0 203 42	150
1	0 203 43	200
1	0 203 44	300
		For cable sleeves
1	0 201 41	50
1	0 201 42	100
1	0 201 40	200
1	0 201 43	550
1	0 201 44	700
1	0 201 45	850
1	0 201 46	1000
1	0 201 47	1150
1	0 201 48	1450
1	0 201 49	1750
		Blanking plates
		RAL 7035
20	0 200 51	24 modules, smooth adjustable strip
10	0 016 65	18 modules, separable into modules or 1/2 modules
		Clip-on holder for adhesive labels
10	0 203 99	Supplied with sheet of labels for marking rows on faceplate

Wiring and connection accessories for XL³ 400



0 201 70



0 373 00



0 201 93



2 x 0 375 12 + 1 x 0 373 00 mounted

Wiring

Pack	Cat.Nos		
		Lina 25 ducting fixing support	
1	0 201 70	Set of 2 supports For fixing and height adjustment of Lina 25 ducting: - vertical: 40 x 60 or 40 x 80 - horizontal: 40 x 60 Supplied with insulating rivets Fit directly onto functional uprights Can not be used for 150 mm spacing between rails, except when equiped with Lina 25 ducting 25 mm width	
		Lina 25 ducting	
		Length: 2 m	
		Width (mm)	Height (mm)
56	0 362 02	25	60
48	0 362 07	40	60
40	0 362 08	40	80
		Insulating screw	
50	0 367 74	M6 x 10	
		Insulating rivet	
100	0 200 80	For fixing Lina 25 ducting on functional uprights	
		Wire guides	
10	0 200 94	For horizontal wiring Fits directly on rail ⊔ Takes brass bar Cat.No 0 373 00 and bar 12 x 4 with clamps Cat.No 0 373 02	
10	0 201 93	For vertical wiring Fits directly onto functional uprights in XL³ 400 cabinets and enclosures	
12	4 052 25	For horizontal wiring Fits directly on to 2-position aluminium rail Accepts Lina 25 ducting covers	

Connection of protective conductor

Pack	Cat.Nos		
		Flat bar 12 x 2	
		Takes IP 2X terminal blocks Fits onto functional uprights in XL³ 400 cabinets and enclosures, or on insulating supports Cat.No 0 200 90	
10	0 048 19	Length: 1 meter	
		Additional brass bar	
1	0 373 00	Length 416 mm, 12 x 6.5 mm cross-section Fits directly on integrated supports in XL³ 160 cabinet or on rail ⊔ with wire guides Cat.No 0 200 94 or on support end stop Cat.No 0 375 12 - 36 holes Ø5.3 mm (1.5 to 10 mm²) - 2 holes Ø9 mm (35 mm²)	
		Brass bar for protective conductor	
1	0 373 01	Length 456 mm, 12 x 6.5 mm cross-section - 36 holes Ø5.3 mm (1.5 to 10 mm²) - 2 holes Ø9 mm (35 mm²) - 4 holes Ø6.5 mm (2.5 to 16 mm²) Fits onto functional uprights with supplied lugs	
		Flat copper bar 12 x 4 with clamps	
1	0 373 02	Supplied with clamp connectors (40 x 1.5 to 4 mm², 4 x 6 to 16 mm², 1 x 35 mm²) Length 455 mm Fits onto functional uprights in XL³ 400 cabinets and enclosures or on rail with wire guides Cat.No 0 200 94	

Connection of protective conductor (continued)

Pack	Cat.Nos		
		Equipotential link conductor	
1	0 373 85	Length 350 mm Cross-section 6 mm², ensures equipotential continuity when fitting auxiliaries on door (Osmoz signalling units > 50 V)	
		No perforated copper bar	
		Cross section (mm) / Permis. I (A) / Length (mm)	
10	0 373 49	12 x 4 / 180 / 991.5	
		Connectors for bar 12 x 4 without holes	
100	0 373 60	1.5 to 4 mm²	
10	0 373 61	6 to 16 mm²	
10	0 373 62	10 to 35 mm² (supplied with M6 screws 5 mm)	
		Copper bar with tapped holes	
		Cross section (mm) / Permis. I (A) / Tapped holes Ø (mm) / Tapped holes Pitch / Length (mm)	
10	0 373 89	12 x 4 / 160 / M5 / 18 / 990	
		Connectors for 12 x 4 mm bar with tapped holes	
100	0 373 65	1 or 2 conductors from 1.5 to 10 mm² (supplied with Ø5 screws)	
		Support end cap	
10	0 375 12	For rails ⊔ 15 mm depth and ⊔ EN 60715 7.5 mm (except rail fixed on plate) and 15 mm depth Takes the following protection or shielding bars: - Brass bar Cat.Nos 0 373 00/01 - Copper bar 12 x 4 mm with clamps Cat.No 0 373 02 - IP 2X terminal block with flat steel bar 12 x 2 mm Cat.No 0 048 19 - Copper bar 12 x 4 mm Cat.Nos 0 373 49 or 0 373 89 - Shielding bar 10 x 3 mm Cat.No 0 375 34 (p. 286)	

Fully adaptable enclosures

XL³ 800 extendable cabinets and enclosures, 24 & 36 modules per row

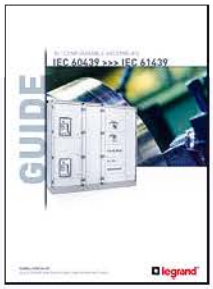


XL³ 800 cabinets & enclosures p. 212-213

DISCOVER THE RANGE

- Extendable: 24 and 36 modules per row
- Two indexes of protection:
  - IP 43 up to 800 A, supplied flat with functional uprights
  - IP 55 up to 600 A, supplied without side panels
- Takes: DIN rail equipment, DPX³, DPX-IS and Vistop ≤ 800 A

FROM IEC 60439 TO IEC 61439



XL³ configurable assemblies guide to migration from IEC 60439 to IEC 61439
Download the guide on www.docexport.legrand.com

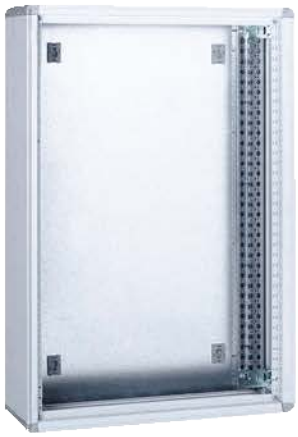
Equipment selection for XL³ 800

Device	Fixing	Position	
XL³ 800 - 24 modules			
FIXING ON DIN-RAIL			
Modular devices < 63 A	Cabinet or enclosure	vertical	
Modular devices > 63 A	Cabinet or enclosure	vertical	
Vistop 63 to 160 A	Cabinet or enclosure	vertical	
DPX-IS 250	Cabinet or enclosure	vertical	
FIXING ON PLATE			
DPX³ 160 (Combinaison possible with DPX³ 250)	Cabinet or enclosure	vertical	
		horizontal	
DPX³ 250 and DPX³ 160-125 electronic (Combinaison possible with DPX³ 160)	Cabinet or enclosure	vertical	
		horizontal	
DPX-IS 250	Cabinet or enclosure	vertical	
DPX³ 630	Cabinet or enclosure	vertical	
		horizontal	
DPX-IS 630	Cabinet or enclosure	vertical	
	Cable sleeve	vertical	
DPX-IS 1600	Cabinet or enclosure	vertical	
DPX³ 1600	Cabinet or enclosure	vertical	
		horizontal	
XL³ 800 - 36 modules			
FIXING ON DIN-RAIL			
Modular devices < 63 A	Cabinet or enclosure	vertical	
Modular devices > 63 A	Cabinet or enclosure	vertical	
Vistop 63 to 160 A	Cabinet or enclosure	vertical	
DPX-IS 250	Cabinet or enclosure	vertical	
FIXING ON PLATE			
DPX³ 160 (combination possible with DPX³ 250)	Cabinet or enclosure	vertical	
DPX³ 250 (combination possible with DPX³ 160)	Cabinet or enclosure	vertical	
DPX-IS 250	Cabinet or enclosure	vertical	
DPX³ 630	Cabinet or enclosure	vertical	
DPX-IS 630	Cabinet or enclosure	vertical	
DPX³ 1600	Cabinet or enclosure	vertical	
		horizontal	

1: Cat.Nos 4 210 73/74 for DPX³ with electronic earth leakage module
2: Faceplate supplied

	Type of device	Fixing device	Fixing plate	Faceplate for device		
				Height (mm)	1/4 turn	Screw
	XL³ 800 - 24 modules					
		0 206 01	-	150	0 208 00	0 209 00
		0 206 01	-	200	0 208 01	0 209 01
		0 206 01	-	200	0 208 01	0 209 01
	with modular devices	0 206 01	0 262 39	300	0 208 10	0 209 10
	without side motor-driven handle	-	0 206 11 + 4 210 71/73(1)	300	0 208 10	0 209 10
	with side motor-driven handle		0 206 11 + 4 210 68	300	0 208 10	0 209 10
	direct rotary handle		0 206 08 + 4 210 71/73(1)	300	0 208 05	0 209 05
	manual supply inverter		0 206 11 + 4 210 58	300	0 208 10	0 209 10
	motor-driven supply inverter	-	0 206 13 + 4 210 58	300	0 208 10	0 209 10
	with or without e.l.c.bs	-	0 206 15	150	0 208 13	0 209 13
	without side motor-driven handle	-	0 206 11 + 4 210 72/74(1)	300	0 208 10(2)	0 209 10
	with side motor-driven handle		0 206 11 + 4 210 69	300	0 208 10(2)	0 209 10
	direct rotary handle		0 206 08 + 4 210 72/74(1)	300	0 208 05	0 209 05
	manual supply inverter	-	0 206 11 + 4 210 58	300	0 208 10(2)	0 209 10
	motor-driven supply inverter	-	0 206 13 + 4 210 58	300	0 208 10(2)	0 209 10
	with or without e.l.c.bs	-	0 206 17	200	0 208 17	0 209 17
	device only in central position		0 206 05	300	0 208 10	0 209 10
	1 or 2 devices		0 206 05	300	0 208 06	0 209 06
	1 to 3 devices, no e.l.c.bs		0 206 20	400	0 208 20	0 209 20
	1 to 3 devices, with e.l.c.bs		0 206 22	600	0 208 22	0 209 22
	with or without e.l.c.bs		0 206 23	300	0 208 23	0 209 23
	device only		0 206 07	300	0 208 07	0 209 07
	device only		0 206 27	1550/1950	-	0 204 41/42
	device only		0 211 00	300	-	0 211 13
	device only		0 211 00	400	0 211 10	0 211 11
	device only		0 211 00	400	0 208 34	0 209 34
	XL³ 800 - 36 modules					
		0 206 51	-	150	-	0 209 50
		0 206 51	-	200	-	0 209 51
		0 206 51	-	200	-	0 209 51
	with modular devices	0 206 51	0 262 39	300	-	0 209 60
	without side motor-driven handle	-	0 206 61 + 4 210 71/73(1)	300	-	0 209 60
	with side motor-driven handle		0 206 61 + 4 210 68	300	-	0 209 60
	manual supply inverter	-	0 206 61 + 4 210 58	300	-	0 209 60
	without side motor-driven handle	-	0 206 61 + 4 210 72/74(1)	300	-	0 209 60
	with side motor-driven handle		0 206 61 + 4 210 69	300	-	0 209 60
	manual supply inverter	-	0 206 61 + 4 210 58	300	-	0 209 60
	1 or 2 devices	-	0 206 55	300	-	0 209 60
	no e.l.c.bs	-	0 206 70	400	-	0 209 70
	with e.l.c.bs	-	0 206 72	600	-	0 209 72
	device only	-	0 206 57	300	-	0 209 57
	device only	-	0 211 02	400	-	0 211 12
	device only	-	0 211 02	400	-	0 209 84

Distribution cabinets, cable sleeves and doors XL³ 800


0 204 01


0 212 51


0 212 61

Dimensions and installation principle **see e-catalogue**

IP 43 - IK 08 with kit and door
IP 40 - IK 08 with door
IP 30 - IK 07 without door
Metal enclosures
Can take devices up to 800 A
Fireproof to 750 °C/5 s in accordance with IEC 60695-2-1
For installation in public buildings
Capacity: 24 and 36 modules per row
Cabinets RAL 7035, plinths RAL 7004
Supplied flat with functional uprights fitted on the back, adjustable cable entry plate and joining accessories (horizontal and vertical)

Cabinets

Width 660 mm

24 modules per row

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 01	1050	1000	660	600	230
1	0 204 02	1250	1200	660	600	230

Width 910 mm

Can incorporate a cable sleeve
36 or 24 modules (if internal cable sleeve)

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 06	1050	1000	910	850	230
1	0 204 07	1250	1200	910	850	230

Internal cable sleeves

Kit for internal cable sleeve

Mounting on the right or left-hand side inside 910 mm wide cabinets
Comprising: upright and mounting accessories
For creating a cable sleeve usable width of 250 mm

Pack	Cat.Nos	
1	0 204 26	For cabinet height 1050 mm or 1095 mm, Cat.No 0 204 06/56
1	0 204 27	For cabinet height 1250 mm or 1295 mm, Cat.No 0 204 07/57

Solid faceplates with hinges and locks

Pack	Cat.Nos	
1	0 204 46	For internal cable sleeves height 1050 or 1095 mm
1	0 204 47	For internal cable sleeves height 1250 or 1295 mm

Doors

Supplied with handle, interchangeable key barrels, to be ordered separately (p. 216)
2 points of locking: low and high
Distance faceplate/door:
- metal: 67 mm
- glass: 63 mm

Curved

Pack	Cat.Nos Metal	Cat.Nos Glass	For cabinet Heigth (mm)	For cabinet Width (mm)
1	0 212 51	0 212 61	1050	660
1	0 212 52	0 212 62	1250	660
1	0 212 56	0 212 66	1050	910
1	0 212 57	0 212 67	1250	910

IP 43 kit

Pack	Cat.Nos	
1	0 201 30	Supplied ready to use Lenght 5.5 m for cabinets (width 660 and 910 mm), enclosures and cable sleeves

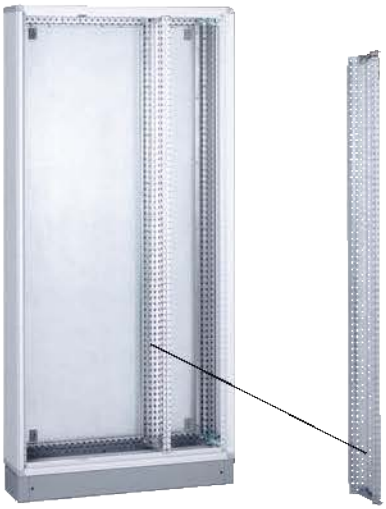
Distribution equipment and accessories, **p. 216 to 219**



Distribution enclosures, cable sleeves and doors XL³ 800



0 204 04



0 204 09 + 0 204 29

0 204 29



0 204 24

Dimensions and installation principle **see e-catalogue**

IP 43 – IK 08 with kit and door
IP 40 – IK 08 with door
IP 30 – IK 07 without door
Metal enclosures. Can take devices up to 800 A
Fireproof to 750 °C/5 s in accordance with IEC 60695-2-1. For installation in public buildings
Capacity: 24 and 36 modules per row. Enclosures RAL 7035, plinths RAL 7004
Supplied flat with functional uprights fitted on the back, adjustable cable entry plate and joining accessories (horizontal and vertical)

Enclosures

Supplied with plinth, height 100 mm

Width 660 mm
24 modules per row

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 03	1550	1400	660	600	230
1	0 204 04	1950	1800	660	600	230

Width 910 mm
Can incorporate a cable sleeve
36 or 24 modules (if internal cable sleeve)

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 08	1550	1400	910	850	230
1	0 204 09	1950	1800	910	850	230

Internal cable sleeves

Kit for internal cable sleeves
Mounting on the right or left-hand side inside 910 mm wide enclosures
Comprising: upright and mounting accessories
For creating a cable sleeve with a usable width of 250 mm

Pack	Cat.Nos	
1	0 204 28	For enclosure height 1550 mm, Cat.No 0 204 08/58
1	0 204 29	For enclosure height 1950 mm, Cat.No 0 204 09/59

Fixing devices

Pack	Cat.Nos	
1	0 206 78	For DPX³ 630 vertical
1	0 206 79	For DPX³ 630 vertical with earth leakage module

Faceplates with hinges and locks
With cut-outs for DPX³ 630 with or without earth leakage module

Pack	Cat.Nos	
1	0 204 48	For internal cable sleeves height 1550 or 1595 mm
1	0 204 49	For internal cable sleeves height 1950 or 1995 mm

Doors

Supplied with handle, interchangeable key barrels, to be ordered separately (p. 216)
Distance faceplate/door:
- metal: 67 mm
- glass: 63 mm

Curved

Pack	Cat.Nos Metal	Cat.Nos Glass	For cabinet Heigth (mm)	For cabinet Width (mm)
1	0 212 53	0 212 63	1550	660
1	0 212 54	0 212 64	1950	660
1	0 212 58	0 212 68	1550	910
1	0 212 59	0 212 69	1950	910

External cable sleeves

Side cable sleeves
Can be attached on the right or left-hand side
Supplied with a plinth height 100 mm and joining accessories

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 23	1550	1400	460	400	230
1	0 204 24	1950	1800	460	400	230

Fixing devices

Pack	Cat.Nos	
1	0 206 28	For DPX³ 630 vertical
1	0 206 29	For DPX³ 630 vertical with earth leakage module

Faceplates with hinges and locks
With cut-outs for DPX 250 or 630 with or without earth leakage module

Pack	Cat.Nos	
1	0 204 43	For external cable sleeves height 1550 or 1595 mm
1	0 204 44	For external cable sleeves height 1950 or 1995 mm

Doors

Pack	Cat.Nos	
1	0 204 33	For cable sleeves height 1550 mm
1	0 204 34	For cable sleeves height 1950 mm

IP 43 kit

Pack	Cat.Nos	
1	0 201 30	Supplied ready to use Lenght 5.5 m for cabinets (width 660 and 910 mm), enclosures and cable sleeves

Detailed dimensions and installation principle, **see e-catalogue**

IP 55 distribution cabinets, cable sleeves and doors XL³ 800


0 204 51


0 204 56


0 212 71


0 212 76

Dimensions and installation principle **see e-catalogue**

IP 55 with door IK 08
Metal enclosures RAL 7035,plinths RAL 7004
Can take devices up to 630 A
Fireproof to 750°C/5 s in accordance with IEC 60695-2-1
For installation in public buildings
Capacity: 24 and 36 modules per row
Can be joined horizontally
For industrial external use and urban use undershelter

Cabinets

Supplied without side panels

Width 700 mm
24 modules per row

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 51	1095	1000	700	600	225
1	0 204 52	1295	1200	700	600	225

Width 950 mm
Can incorporate a cable sleeves

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 56	1095	1000	950	850	225
1	0 204 57	1295	1200	950	850	225

Side panels
Set of 2 side panels

Pack	Cat.Nos	
1	0 204 66	For cabinet height 1095 mm
1	0 204 67	For cabinet height 1295 mm

Internal cable sleeves

Kit for internal cable sleeves
Mounting on the right or left-hand side inside 950 mm wide cabinets
Comprising : upright and mounting accessories
For creating a cable sleeves with a usable width of 250 mm

Pack	Cat.Nos	
1	0 204 26	For cabinets height 1050 or 1095 mm, Cat.No 0 204 06/56
1	0 204 27	For cabinets height 1250 or 1295 mm, Cat.No 0 204 07/57

Faceplates with hinges and locks

Pack	Cat.Nos	
1	0 204 46	For internal cable sleeves height 1050 or 1095 mm
1	0 204 47	For internal cable sleeves height 1250 or 1295 mm

Doors

Supplied with handle, interchangeable key barrels, to be ordered separately (p. 216)
Distance faceplate/door: 48 mm

Pack	Cat.Nos Metal	For cabinet Height (mm)	For cabinet Width (mm)
1	0 212 71	1095	700
1	0 212 72	1295	700
1	0 212 76	1095	950
1	0 212 77	1295	950

Accessories

Pack	Cat.Nos	
1	0 205 85	Sealing kit IP 55 for use when joining cabinets together - length 2 x 10 m
1	0 204 86[1]	Joining kit
8	0 204 82	Lifting rings Set of 2

1: For cabinets height 1095 and 1295, use 2 kits

For glass doors,
Please, consult us

For detailed dimensions and installation principle, **see e-catalogue**

IP 55 distribution enclosures, cable sleeves and doors XL³ 800


0 204 54


0 204 59


0 204 74

Dimensions and installation principle **see e-catalogue**

IP 55 with door IK 08
Metal enclosures RAL 7035, plinths RAL 7004
Can take devices up to 630 A
Fireproof to 750°C/5 s in accordance with IEC 60695-2-1
For installation in public buildings
Capacity: 24 and 36 modules per row
Can be joined horizontally
For industrial external use and urban use undershelter

Enclosures

Supplied with plinth height 100 mm
Supplied without side panel

Width 700 mm
24 modules per row

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 53	1595	1400	700	600	225
1	0 204 54	1995	1800	700	600	225

Width 950 mm
Can incorporate a cable sleeve
36 or 24 modules (if integrated cable sleeve)

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 58	1595	1400	950	850	225
1	0 204 59	1995	1800	950	850	225

Side panels
Set of 2 panels

Pack	Cat.Nos	
1	0 204 68	For enclosure height 1595 mm
1	0 204 69	For enclosure height 1995 mm

Internal cable sleeves

Kits for internal cable sleeves
Mounting on the right or left-hand side inside 950 mm wide enclosures
Comprising: divider, upright and mounting accessories
For creating a cable sleeves with a usable width of 250 mm

Pack	Cat.Nos	
1	0 204 28	For enclosure height 1550 mm, Cat.No 0 204 08/58
1	0 204 29	For enclosure height 1950 mm, Cat.No 0 204 09/59

Fixing devices

Pack	Cat.Nos	
1	0 206 78	For DPX³ 630 vertical
1	0 206 79	For DPX³ 630 vertical with earth leakage module

Faceplates with hinges and locks
With cut-outs for DPX³ 630 with or without earth leakage module

Pack	Cat.Nos	
1	0 204 48	For internal cable sleeves height 1550 or 1595 mm
1	0 204 49	For internal cable sleeves height 1950 or 1995 mm

Doors

Supplied with handle, interchangeable key barrels (to be ordered separately, p. 216)
Distance faceplate/door: 48 mm

Pack	Cat.Nos	Metal	For cabinet Height (mm)	For cabinet Width (mm)
1	0 212 73		1595	700
1	0 212 74		1995	700
1	0 212 78		1595	950
1	0 212 79		1995	950

External cable sleeves

Side cable sleeves
Can be attached on the right or left-hand side
Supplied without side panels with a plinth height 100 mm

Pack	Cat.Nos	Height (mm)	Faceplate height (mm)	Width (mm) external	Width (mm) usable	Depth (mm)
1	0 204 73	1595	1400	500	400	225
1	0 204 74	1995	1800	500	400	225

Fixing devices

Pack	Cat.Nos	
1	0 206 28	For DPX³ 630 vertical
1	0 206 29	For DPX³ 630 vertical with earth leakage module

Faceplates with hinges and locks
With cut-outs for DPX³ 630 with or without earth leakage module

Pack	Cat.Nos	
1	0 204 43	For internal cable sleeve height 1550 or 1595 mm
1	0 204 44	For internal cable sleeve height 1950 or 1995 mm

Doors

Pack	Cat.Nos	
1	0 204 83	For external cable sleeve height 1400 mm
1	0 204 84	For external cable sleeve height 1800 mm

Accessories

Pack	Cat.Nos	
1	0 205 85	Sealing kit IP 55 for use when joining cabinets together - length 2 x 10 m
1	0 204 86[1]	Joining kit
8	0 204 82	Lifting rings Set of 2

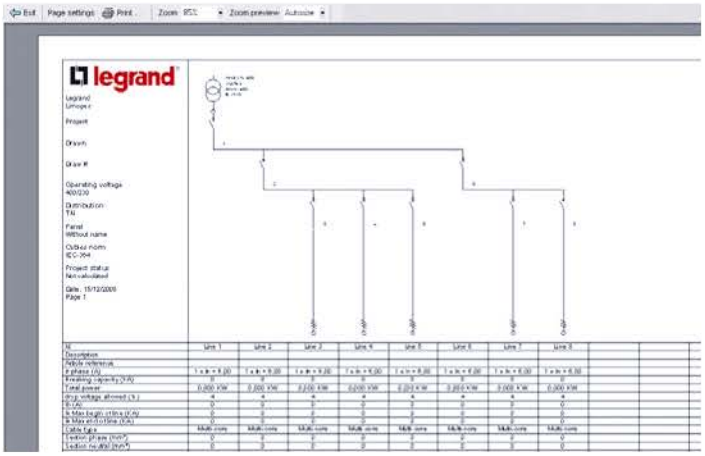
1: For enclosures height 1595, use 3 kits
For enclosures height 1995, use 4 kits

Distribution equipment and accessories, **p. 216 to 219**



With XL³ Calcul you can...

.... design the wiring diagram, automatically calculate total power consumption, required protection devices and cable section for each circuit.



MAIN BENEFITS

- Easily edit all required technical documents
- Use the Legrand products which are the most suitable for your installation
- Benefit from the permanent free updates
- Export all the XLPro³ Calcul data into XLPro³ without re-entering it

MORE INFORMATION



Get detailed information on many digital or printed supports on **www.export.legrand.com** or contact your Area Commercial Manager in order to obtain your XLPro³ Calcul software.

Accessories for XL³ 800

cables fixing, plinths, dividers and accessories



0 204 36



0 201 95

Pack	Cat.Nos	
		Cable fixing supports
1	0 204 35	For 660 mm wide cabinets
1	0 204 36	For 910 mm wide cabinets
1	0 204 37	For horizontal external cable sleeves
		Plinths
		For IP 43 enclosures
1	0 204 10	Width: 660 mm
1	0 204 11	Width: 910 mm
1	0 204 12	For cable sleeves width: 460 mm
		For IP 55 enclosures
1	0 204 60	Width: 700 mm
1	0 204 61	Width: 950 mm
1	0 204 62	For cable sleeves, width: 500 mm
		Dividers for horizontal compartments
1	0 204 90	For cabinets and enclosures, usable width: 600 mm
1	0 204 91	For cabinets and enclosures, usable width: 850 mm
		Accessories
		Wall mounting lugs
1	0 201 00	Set of 4 metal lugs for IP 43 cabinets and enclosures
		Universal supports
		For mounting terminal blocks, earth terminals, etc. Set of 3 metal supports
1	0 201 96	For internal cable sleeves
1	0 201 95	For external cable sleeves
		Cable entry plate
1	0 204 20	Additional adjustable plate for XL3 800 - IP 43
		Key barrels
		Supplied with a set of 2 keys
1	0 202 91	Type 405
1	0 202 92	Type 455
1	0 202 93	Type 1242E
1	0 202 94	Type 2433A
1	0 202 96	Double bar knockout

Equipment for XL³ 800

for modular devices, Vistop, DPX³ 160/250, DPX-IS 250 on rail



0 206 01

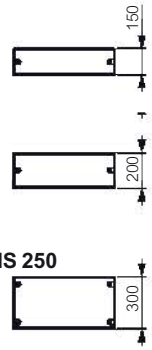


0 208 00



0 209 01

Pack	Cat.Nos	
		Fixing on rail
		Rails Comprising: an aluminium profile rail and two 2-position fixing brackets Fit onto functional uprights Accept HX³ 125 A plug-in connection row distribution blocks For mounting DPX³ using fixing plates For fixing XL³ 800 and XL³ 4000 functional uprights Accept wire guide Cat.No 4 052 25 (p. 209)
	24 modules | 36 modules	
1	0 206 01 | 0 206 51	
		Fixing plates for mounting DPX³ 160/250 on rail For mounting DPX³ 160/250 on aluminium rail and on plate Cat.Nos 0 206 11/61
1	4 210 71	For DPX³ 160 without side motor-driven handle
1	4 210 73	For DPX³ 160 with earth leakage module without side motor-driven handle
1	4 210 68	For all DPX³ 160 devices with side motor-driven handle
1	4 210 72	For DPX³ 250 without side motor-driven handle
1	4 210 74	For DPX³ 250 with earth leakage module without side motor-driven handle
1	4 210 69	For all DPX³ 250 devices with side motor-driven handle
		Fixing plate for mounting DPX-IS 250 on rail For mounting devices on aluminium rail and on plate Cat.Nos 0 206 11/61
1	0 262 39	For DPX-IS 250
		Rail height spacer Designed for simultaneous mounting of modular devices and DPX³ 160/250 and DPX-IS 250 devices mounted on rail Cat.Nos 0 206 01/51 or plate Cat.Nos 0 206 11/61
1	4 052 26	For 20 modules
		Metal faceplates
	24 modules | 36 modules	
		For modular devices
1	0 208 00[1]	1/4 turn
1	0 209 00[2] | 0 209 50[2]	With captive screws
		For Vistop up to 160 A
1	0 208 01[1]	1/4 turn
1	0 209 01[2] | 0 209 51[2]	With captive screws
		For DPX³ 160/250 and DPX-IS 250
1	0 208 10[1]	1/4 turn
1	0 209 10[2] | 0 209 60[2]	With captive screws



1: For fastening and sealing
2: Hinges Cat.No 0 209 59 available as an option

Equipment for XL³ 800

for mounting on plate: DPX-IS 250, DPX-IS 630, DPX-IS 1600



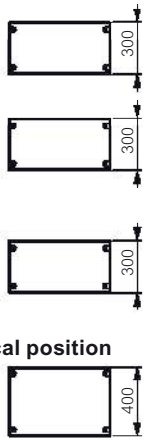
0 206 05



0 208 10

0 209 10

Pack	Cat.Nos	
		Plates for DPX-IS
		Direct fixing on fonctional uprights
	24 modules | 36 modules	
		Fixed plates - front and rear terminals
1	0 206 05 | 0 206 55	For 1 or 2 DPX-IS 250 in vertical position
1	0 206 07 | 0 206 57	For 1 DPX-IS 630 in vertical position
1	0 211 00	For 1 DPX-IS 1600 or 1 DPX 1600 front terminals
	Cable sleeve	
1	0 206 27	For 1 DPX-IS 630 in external cable sleeve
		Metal faceplates
	24 modules | 36 modules	
		For DPX-IS 250 in central position
1	0 208 10[1]	1/4 turn
1	0 209 10[2] | 0 209 60[2]	With captive screws
		For 2 DPX-IS 250
1	0 208 06[1]	1/4 turn
1	0 209 06[2] | 0 209 60[2]	With captive screws
		For 1 DPX-IS 630
1	0 208 07[1]	1/4 turn
1	0 209 07[2] | 0 209 57[2]	With captive screws Does not allow the use of terminal shields Cat.No 0 262 45
	24 modules	**For 1 DPX-IS 1600 in vertical position**
1	0 211 13[2]	With captive screws



1: For fastening and sealing
2: Hinges Cat.No 0 209 59 available as an option

For installation principle,
see e-catalogue

Equipment for XL³ 800

for mounting on plate: DPX³ 160 and DPX³ 250



0 206 11



0 206 17



0 208 13

Pack.	Cat.Nos	
	24 modules	36 modules
1	0 206 11	0 206 61

Plates for fixed version DPX³ 160/250 with front terminals

Direct fixing on functional uprights

Devices in vertical position

Equipped with a rail ⊔ for fixing DPX³ 160/250
The DPX³ must be equipped with a fixing plate Cat.Nos 4 210 68/69/71/72/73/74 or plate for manual supply inverter Cat.No 4 210 58
Designed for simultaneous mounting of DPX³ 160/250 and modular equipment (with spacer Cat.No 0 262 99)

1	0 206 08

Plate for DPX³ with direct rotary handle
The DPX³ must be equipped with a fixing plate Cat.Nos 4 210 68/69

1	0 206 13

Plate for motor-driven supply inverter
The DPX³ must be equipped with a fixing plate Cat.No 4 210 58

Devices in horizontal position

For cut-out protection for cable passing, use seal Cat.No 0 202 40

	24 modules
1	0 206 15
1	0 206 17

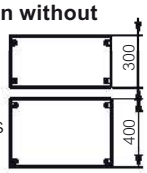
For 1 DPX³ 160
For 1 DPX³ 250

Metal faceplates

For DPX³ in vertical position without direct rotary handle

	24 modules	36 modules
1	0 208 10[1]	
1	0 209 10[2]	0 209 60[2]
1	0 209 27	

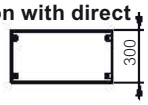
1/4 turn
With captive screws
With captive screws for DPX³ 250 with terminal shields



For DPX³ in vertical position with direct rotary handle

	24 modules
1	0 208 05[1]
1	0 209 05[2]

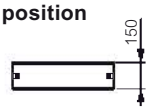
1/4 turn
With captive screws



For DPX³ 160 in horizontal position

1	0 208 13[1]
1	0 209 13[2]

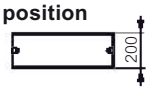
1/4 turn
With captive screws



For DPX³ 250 in horizontal position

1	0 208 17[1]
1	0 209 17[2]

1/4 turn
With captive screws



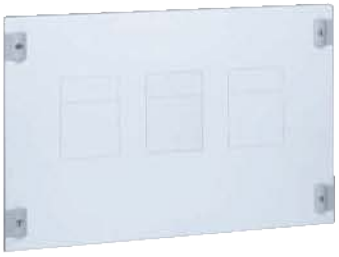
1: For fastening and sealing
2: Hinges Cat.No 0 209 59 available as an option

Equipment for XL³ 800

for mounting on plate: DPX³ 250, DPX³ 630 and DPX³ 1600



0 206 20



0 208 20

Installation principle **see e-catalogue**

Pack	Cat.Nos		
	24 modules	36 modules	
1	0 206 20	0 206 70	For 1 to 3 DPX³ 630
1	0 206 22	0 206 72	For 1 to 3 DPX³ 630 with earth leakage module
1	0 211 00	0 211 02	For 1 DPX-IS 1600 or 1 DPX³ 1600 front terminal

Plates for fixed version DPX³ 630/1600, with front terminal

Direct fixing on functional uprights

Devices in vertical position

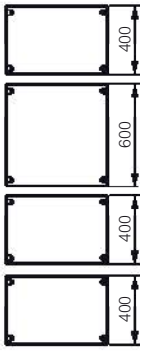
Devices in horizontal position

For cut-out protection for cable passing, use seal Cat.No 0 202 40

1	0 206 23	For 1 DPX³ 630 with or without earth leakage module
1	0 211 00 / 0 211 02	For 1 DPX-IS 1600 or 1 DPX³ 1600 front terminal

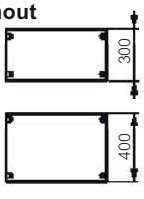
Metal faceplates - devices in vertical position

	24 modules	36 modules	
1	0 208 20[1]		**For 1 to 3 DPX³ 630 only** 1/4 turn
1	0 209 20[2]	0 209 70[2]	With captive screws
1	0 208 22[1]		**For 1 to 3 DPX³ 630 with downstream earth leakage module** 1/4 turn
1	0 209 22[2]	0 209 72[2]	With captive screws
	0 211 13[1]		**For 1 DPX-IS 1600** With captive screws
1	0 211 10[1]		**For 1 DPX³ 1600** 1/4 turn[(1)]
1	0 211 11[2]	0 211 12[2]	With captive screws



Metal faceplates - devices in horizontal position

	24 modules	36 modules	
1	0 208 23[1]		**For 1 DPX³ 630 with or without earth leakage module** 1/4 turn
1	0 209 23[2]		With captive screws
1	0 208 34[1]		**For 1 DPX³ 1600** 1/4 turn
1	0 209 34[2]	0 209 84[2]	With captive screws



1: For fastening and sealing
2: Hinges Cat.No 209 59 available as an option

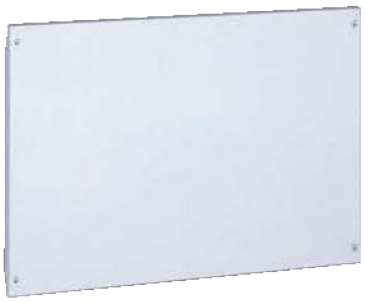
Accessories and faceplates XL³ 800


0 206 42


0 200 92


0 209 59


0 206 02


0 209 45

Pack	Cat.Nos	Universal plates
		Fit onto functional uprights
		Perforated width 600 mm
1	0 206 41	Height 200 mm
1	0 206 42	Height 400 mm
		Solid plates width 600 mm
1	0 206 43	Height 200 mm
1	0 206 44	Height 400 mm
1	0 206 45	Height 600 mm
		Solid plates width 850 mm
1	0 206 46	Height 400 mm

Pack	Cat.Nos	Universal rails ⌙
		Fit onto functional uprights
1	0 206 04	Width 600 mm (24 modules)
1	0 206 54	Width 850 mm (36 modules)

Pack	Cat.Nos	Adjustable universal fixing devices
		Comprising a rail 2 and 2 adjustable fixing brackets Fit onto functional uprights
1	0 206 02	For 24 modules cabinets and enclosures
1	0 206 52	For 36 modules cabinets and enclosures

Pack	Cat.Nos	Accessories
		Clip nuts and screws
		1/4 fastening on front panel
20	0 200 92	Clip nuts for M6 screws
50	0 200 91	M6 screws
		Aerosol paint spray
6	0 200 98	RAL 7035 - 400 ml

Pack	Cat.Nos	Lighting for panel
		Lighting kit
1	0 209 89	Kit for metal XL³ 800/4000, comprising fluorescent lamp, fixings and metal screw-mounting faceplate

Pack	Cat.Nos	Wiring
		Lina 25 ducting mounting supports For horizontal and vertical mounting and height adjustment of Lina 25 ducting Supplied with plastic rivets
1	0 204 70	Set of 2, for 36 modules cabinets and enclosures
1	0 205 70	Set of 2, for 24 modules cabinets and enclosure
		Lina 25 ducting Length: 2 m

Pack	Cat.Nos	Width (mm)	Height (mm)
56	0 362 02	25	60
48	0 362 07	40	60
40	0 362 08	40	80
32	0 362 12	60	60
32	0 362 13	60	80

Pack	Cat.Nos	
		Plastic rivet
100	0 200 80	For fixing Lina 25 ducting on functional uprights

Pack	Cat.Nos	Solid metal faceplates
		1/4 turn
		For fastening and sealing
	24 modules	Height (mm)
1	0 208 40	50
1	0 208 41	100
1	0 208 42	150
1	0 208 43	200
1	0 208 44	300
1	0 208 45	400
1	0 208 46	600
		Captive screws
		Hinges Cat.No 0 209 59 available as an option

Pack	24 modules	36 modules	Height (mm)
1	0 209 40	0 209 90	50
1	0 209 41	0 209 91	100
1	0 209 42	0 209 92	150
1	0 209 43	0 209 93	200
1	0 209 44	0 209 94	300
1	0 209 45	0 209 95	400
1	0 209 46	0 209 96	600

Pack	Cat.Nos	
		Hinges
1	0 209 59	Set of 2 hinges Fit on screw mounting faceplates
		Blanking plates
		For metal or plastic faceplates
20	0 200 51	24 modules, smooth adjustable strip
10	0 016 65	18 modules, separable into module or 1/2 module
		Clip-on holder for adhesive labels
		Supplied with a sheet of labels for marking rows on faceplate
10	0 203 99	24 modules

Pack	Cat.Nos	Accessories for natural ventilation
		Assist natural ventilation
	24 modules	Screw mounting
1	0 209 49	Height 200 mm

Enclosures for any configuration

XL³ 4000 enclosures are fully modular, enable different configurations (back to back, or side by side) and take all equipment up to 4000 A, whatever level of partitioning is required



XL³ 4000 enclosure with Legrand protection devices

DISCOVER THE RANGE

- Enclosure:
  2 Heights: 2 m and 2.2 m
  3 Widths: 475, 725 or 975 mm
  3 Depths: 475, 725 or 975 mm
  IP 30 or IP 55 (with door and seal)
- Takes: DIN rail equipment, DMX³, DPX³, DPX-IS and Vistop up to 4000 A

FROM IEC 60439 TO IEC 61439



XL³ configurable assemblies guide to migration from IEC 60439 to IEC 61439
Download the guide on www.docexport.legrand.com

Equipment selection for XL³ 4000

Device	Version	Position	Configuration	Connection terminals
FIXING ON DIN-RAIL				
DX³ < 63 A		vertical		
DX³ > 63 A		vertical		
Vistop 63 to 160 A	modular	vertical		
DPX-IS 250	fixed	vertical	with modular devices	front or rear
FIXING ON PLATE				
DPX³ 160 (Combination possible with DPX³ 250)	fixed	vertical	without side motor-driven handle	front
			with side motor-driven handle	front
			without front motor-driven handle	front or rear
			with front motor-driven handle	front or rear
			with direct rotary handle	front
				front or rear
			manual supply inverter	front
				front or rear
			motor-driven supply inverter	front
				front or rear
		horizontal	-	front
			with or without front motor-driven handle	front or rear
	draw-out	vertical	with or without front motor-driven handle	front or rear
			with direct rotary handle	front or rear
			manual or motor-driven supply inverter	front or rear
		horizontal	with or without front motor-driven handle	front or rear
DPX³ 250 (Combination possible with thermal-magnetic DPX³ 160)	fixed	vertical	without side motor-driven handle	front
			with side motor-driven handle	front
			without front motor-driven handle	front or rear
			with front motor-driven handle	front or rear
			with direct rotary handle	front
				front or rear
			manual supply inverter	front
				front or rear
			motor-driven supply inverter	front
				front or rear
		horizontal	-	front
			with or without front motor-driven handle	front or rear
	draw-out	vertical	with or without front motor-driven handle	front or rear
			with direct rotary handle	front or rear
			manual or motor-driven supply inverter	front or rear
		horizontal	with or without front motor-driven handle	front or rear
DPX-IS 250	fixed	vertical	centred device only	front or rear
			1 or 2 devices	front or rear
		horizontal	1 device	front or rear

1: Cat.Nos 4 210 73/74 for DPX³ with earth leakage module

XL³ 4000 - 24 modules							XL³ 4000 - 36 modules			
Spacer	Fixing devices	Plate	Metal faceplate Height (mm)	1/4 turn	Screw	Lock	Fixing devices	Plate	Metal faceplate Height (mm)	Screw
	0 206 01	-	150	0 208 00	0 209 00	-	0 206 51	-	150	0 209 50
	0 206 01	-	200	0 208 01	0 209 01	0 212 09	0 206 51	-	200	0 209 51
	0 206 01	-	200	0 208 01	0 209 01	0 212 09	0 206 51	-	200	0 209 51
	0 206 01	0 262 39	300	0 208 10	0 209 10	-	0 206 51	0 262 39	300	0 209 60
-	-	0 206 11 + 4 210 71/73(1)	300	0 208 10	0 209 10	-	-	0 206 61 + 4 210 71/73(1)	300	0 209 60
-	-	0 206 11 + 4 210 68	300	0 208 10	0 209 10	-	-	0 206 61 + 4 210 68	300	0 209 60
0 207 50	0 207 90	0 207 49	300	0 208 10	0 209 10	-	0 207 61	0 207 49	300	0 209 60
-	0 207 90	0 207 49	300	0 208 10	0 209 10	-	0 207 61	0 207 49	300	0 209 60
-	-	0 206 08 + 4 210 71/73(1)	300	0 208 05	0 209 05	-	-	-	-	-
0 207 50	0 207 90	0 207 49	300	0 208 05	0 209 05	-	0 207 61	0 207 49	300	0 209 65
-	-	0 206 11 + 4 210 58	300	0 208 10	0 209 10	-	-	-	-	-
0 207 50	0 206 63	0 206 71	300	0 208 10	0 209 10	-	-	-	-	-
-		0 206 13 + 4 210 58	300	0 208 10	0 209 10	-	-	-	-	-
-	0 206 63	0 206 71	300	0 208 10	0 209 10	-	-	-	-	-
-	-	0 206 15	150	0 208 13	0 209 13	-	-	-	-	-
	-	0 207 94	150	0 208 13	0 209 13	-	-	-	-	-
0 207 50	0 207 91	0 207 59	400	-	-	0 212 11	-	-	-	-
	0 207 91	0 207 59	400	-	-	0 212 08	-	-	-	-
0 207 50	0 206 69	0 206 81	400	-	-	0 212 11	-	-	-	-
	-	0 207 95	200	-	-	0 212 13	-	-	-	-
-	-	0 206 11 + 4 210 72/74(1)	300	0 208 10	0 209 10	-	-	0 206 61 + 4 210 72/74(1)	300	0 209 60
-	-	0 206 11 + 4 210 69	300	0 208 10	0 209 10	-	-	0 206 61 + 4 210 69	300	0 209 60
-	0 207 90	0 207 64	300	0 208 10	0 209 10	-	0 207 61	0 207 49	300	0 209 60
0 207 50	0 207 90	0 207 64	300	0 208 10	0 209 10	-	0 207 61	0 207 49	300	0 209 60
0 207 50	-	0 206 08 + 4 210 72/74(1)	300	0 208 05	0 209 05	-	-	-	-	-
0 207 50	0 207 90	0 207 64	300	0 208 05	0 209 05	-	0 207 61	0 207 49	300	0 209 65
-	-	0 206 11 + 4 210 58	300	0 208 10	0 209 10	-	-	-	-	-
0 207 50	0 206 63	0 206 73	300	0 208 10	0 209 10	-	-	-	-	-
-		0 206 13 + 4 210 58	300	0 208 10	0 209 10	-	-	-	-	-
-	0 206 63	0 206 73	300	0 208 10	0 209 10	-	-	-	-	-
-	-	0 206 17	200	0 208 17	0 209 17	-	-	-	-	-
	-	0 207 96	200	0 208 17	0 209 17	-	-	-	-	-
0 207 50	0 207 91	0 207 69	400	-	-	0 212 11	-	-	-	-
	0 207 91	0 207 69	400	-	-	0 212 08	-	-	-	-
0 207 50	0 206 69	0 206 83	400	-	-	0 212 11	-	-	-	-
	-	0 207 97	200	-	-	0 212 13	-	-	-	-
	-	0 206 05	300	0 208 10	0 209 10	-	-	0 206 55	300	0 209 60
	-	0 206 05	300	0 208 06	0 209 06	-	-	0 206 55	300	0 209 60
	-	0 206 18	300	-	0 209 18	-	-	-	-	-

Equipment selection for XL³ 4000

Device	Version	Position	Configuration	Connection (terminals)	Rotary handle/ motor-driven	
FIXING ON PLATE						
DPX³ 630	fixed	vertical	1 to 3 devices, no elcbs	front	-	
			1 to 3 devices, no elcbs	front or rear	with or without	
			1 to 3 devices, with elcbs	front	-	
			1 to 3 devices, with elcbs	front or rear	with or without	
		horizontal	with or without elcbs	front	-	
			with or without elcbs	front or rear	with or without	
		vertical	supply inverters	front or rear	with or without mot. control	
	plug-in	vertical	1 to 2 devices, no elcbs	front or rear	with or without	
		horizontal	with or without elcbs	front or rear	with or without	
	draw-out	vertical	no elcbs	front or rear	with or without rotary handle	
			no elcbs	front or rear	motor-driven	
			with elcbs	front or rear	with or without rotary handle	
		horizontal	with or without elcbs	front or rear	with or without rotary handle	
			with or without elcbs	front or rear	motor-driven	
		vertical	supply inverters	front or rear	motor-driven	
DPX-IS 630	fixed	vertical	device only	front or rear	-	
		horizontal	device only	front or rear	-	
DPX-IS 1600	fixed	vertical	device only	front terminals	-	
			device only	rear terminals	-	
		horizontal	device only	-	-	
DPX³ 1600	fixed	vertical	no elcbs	front terminals	-	
			no elcbs	front terminals	rotary handle or motor-driven	
			no elcbs	rear terminals	-	
			no elcbs	rear terminals	rotary handle or motor-driven	
		horizontal	no elcbs	front terminals	-	
			no elcbs	front terminals	motor-driven	
			no elcbs	rear terminals	motor-driven	
			no elcbs	front or rear	-	
			no elcbs	front or rear	rotary handle or motor-driven	
		horizontal	supply inverters	front or rear	-	
			supply inverters	front or rear	motor-driven	
	draw-out	vertical	no elcbs	front terminals	-	
			no elcbs	front terminals	rotary handle or motor-driven	
		horizontal	no elcbs	rear terminals	-	
			no elcbs	rear terminals	rotary handle or motor-driven	
			supply inverters	rear terminals	motor-driven	
DMX³ 2500, N/H/L, 3P **DMX³ 2500, N/H, 4P**	fixed	vertical	device only	rear terminals	-	
	draw-out	vertical	device only	rear terminals	-	
DMX³-L 2500 4P	fixed	vertical	device only	rear terminals	-	
	draw-out	vertical	device only	rear terminals	-	
DMX³ 4000, N/H/L, 3P	fixed	vertical	device only	rear terminals	-	
	draw-out	vertical	device only	rear terminals	-	
DMX³-L 4000, N/H/L, 4P	fixed	vertical	device only	rear terminals	-	
	draw-out	vertical	device only	rear terminals	-	

1: No height spacer if motor-driven
2: Two sets of spacers for adjustable plate

XL³ 4000 - 24 modules							XL³ 4000 - 36 modules				
Spacer	Fixing devices	Plate	Metal faceplate Height (mm)	1/4 turn	Screw	Lock	Fixing devices	Plate	Metal faceplate Height (mm)	Screw	Lock
	-	0 206 20	400	0 208 20	0 209 20	-	-	0 206 70	400	0 209 70	-
0 207 50(1)	0 207 20	0 207 85	400	0 208 20	0 209 20	-	0 207 70	0 207 85	400	0 209 70	-
	-	0 206 22	600	0 208 22	0 209 22	-	-	0 206 72	600	0 209 72	-
0 207 50(1)	0 207 22	0 207 86	600	0 208 22	0 209 22	-	0 207 72	0 207 86	600	0 209 72	-
	-	0 206 23	300	0 208 23	0 209 21	-	-	-	-	-	-
	-	0 207 93	300	-	0 209 23	-	-	-	-	-	-
0 207 50(1)	-	0 206 76	400	-	0 209 76	-	-	-	-	-	-
	0 207 21	0 207 87	400	-	-	0 212 20	-	-	-	-	-
	-	0 207 98	300	-	-	0 212 17	-	-	-	-	-
0 207 50	0 207 21	0 207 87	400	-	-	0 212 21	-	-	-	-	-
0 207 50	0 207 21	0 207 87	400	-	-	0 212 04	-	-	-	-	-
0 207 50	0 207 23	0 207 88	600	-	-	0 212 23	-	-	-	-	-
	-	0 207 98	300	-	-	0 212 18	-	-	-	-	-
	-	0 207 98	300	-	-	0 212 19	-	-	-	-	-
0 207 50	-	0 206 76	400	-	-	0 212 95	-	-	-	-	-
	-	0 206 07	300	0 208 07	0 209 07	-	-	0 206 57	300	0 209 57	-
		0 206 19	300	-	0 209 19	-	-	-	-	-	-
	-	0 211 00	400	-	0 211 13	-	-	-	-	-	-
	-	0 211 06	400	-	0 211 13	-	-	-	-	-	-
	-	0 211 00	400	-	0 208 36	-	-	-	-	-	-
	-	0 211 00	400	0 211 10	0 211 11	-	-	0 211 02	400	0 211 12	-
0 207 50(1)(2)	-	0 211 04	400	-	0 211 14	-	-	-	-	-	-
0 207 50(1)(2)	-	0 211 06	400	0 211 10	0 211 11	-	-	0 211 03	400	0 211 12	-
0 207 50(1)(2)	-	0 211 06	400	-	0 211 14	-	-	-	-	-	-
	-	0 211 00	400	0 208 34	0 209 34	-	-	0 206 80	400	0 209 84	-
	-	0 211 00	400	-	0 209 36	-	-	-	-	-	-
	-	0 211 00	400	-	0 209 35	-	-	-	-	-	-
0 207 50(1)(2)	-	0 207 36	400	0 208 34	0 209 34	-	-	-	-	-	-
0 207 50(1)(2)	-	0 207 36	400	-	0 209 35	-	-	-	-	-	-
	-	0 206 86	800	-	0 209 86	-	-	-	-	-	-
	-	0 206 86	800	-	0 209 87	-	-	-	-	-	-
	-	0 211 05	400	-	-	0 211 15	-	-	-	-	-
	-	0 211 05	400	-	-	0 211 16	-	-	-	-	-
	-	0 207 35	400	-	-	0 212 34	-	-	-	-	-
	-	0 207 35	400	-	-	0 212 35	-	-	-	-	-
	-	0 206 87	800	-	-	0 212 37	-	-	-	-	-
	0 207 51	-	600	-	-	0 209 38	0 207 52	-	600	-	0 209 48
	0 207 53	-	600	-	-	0 209 38	0 207 54	-	600	-	0 209 48
	0 207 51	-	600	-	-	0 209 39	0 207 52	-	600	-	0 209 48
	0 207 53	-	600	-	-	0 209 39	0 207 54	-	600	-	0 209 48
	0 207 51	-	600	-	-	0 209 38	0 207 52	-	600	-	0 209 48
	0 207 53	-	600	-	-	0 209 38	0 207 54	-	600	-	0 209 48
	0 207 51	-	600	-	-	0 209 39	0 207 52	-	600	-	0 209 48
	0 207 53	-	600	-	-	0 209 39	0 207 54	-	600	-	0 209 48

Distribution enclosures XL³ 4000



Assembly consisting of:
- Structural upright Cat.Nos 0 205 00
- "Roof-base" Cat.Nos 0 205 03/06/09
- Plinth Cat.Nos 0 205 17/18/19
- Functional uprights Cat.Nos 0 205 24/27
- Intermediate structural uprights Cat.No 0 205 20



0 205 12

Dimensions and installation principle **see e-catalogue**
Composition table **p. 226**

IP 30 - IK 07
IP 55 - IK 08 with door and sealing kit for use when joining enclosures
Consist of the combination of a "roof-base" assembly, structural uprights, functional uprights, rear and side panels RAL 7035, plinths RAL 7004
Height 2000 or 2200 mm.
Capacity 24 modules (enclosures width 725 or width 975 with internal cable sleeve), 36 modules (enclosures width 975)
Usable faceplate height 1800 mm (1700 mm only if using the pivoting support frame) or 2000 mm

Enclosures and cable sleeves modular metal

Pack	Cat.Nos Height (mm) 2000	Cat.Nos Height (mm) 2200	
			Structural uprights
			Fit onto the "roof-base" assembly
			Take the side and rear panels
1	0 205 00	0 208 50	Set of 4 uprights
			Intermediate structural upright
1	0 205 20	0 208 51	Fits on the structure of the enclosure "roof-base"
			"Roof-base" for enclosure
			Fitted with cable entry plates
			Take the structural uprights

Pack	Cat.Nos	Depth (mm)	Width (mm) external	Width (mm) usable
1	0 205 04	475	725	600
1	0 205 05	725	725	600
1	0 205 07	475	975	850
1	0 205 08	725	975	850
1	0 205 06	975	725	600
1	0 205 09	975	975	850
				"Roof-base" for cable sleeves
				Fitted with cable entry plates
				Take the structural uprights
1	0 205 01	475	475	350
1	0 205 02	925	475	350
1	0 205 03	975	475	350

Pack	Cat.Nos Height (mm) 2000	Cat.Nos Height (mm) 2200	
			Rear and side panels
			Fixed with screws
1	0 205 41	0 208 57	Width 475 mm
1	0 205 42	0 208 58	Width 725 mm
1	0 205 43	0 208 59	Width 975 mm
			Finishing panels IP 30
1	0 205 61		IP 30 width 475 mm
1	0 205 62		IP 30 width 725 mm
1	0 205 63		IP 30 width 975 mm
	Height (mm) 2000	Height (mm) 2200	
			IP 55 strip
1	0 205 41	0 208 57	IP 55 strip (for use when joining enclosures)
			Plinths that can be placed side by side

Pack	Cat.Nos	Height (mm)	Width (mm)	Depth (mm)
1	0 205 11	100	475	475
1	0 205 14	100	725	475
1	0 205 15	100	725	725
1	0 205 17	100	975	475
1	0 205 18	100	975	725
1	0 205 19	100	975	975

Equipment

Pack	Cat.Nos Height (mm) 2000	Cat.Nos Height (mm) 2200	
			Functional uprights
			Set of 2 functional uprights
			For fixing mounting equipment (faceplate, rails…)
1	0 205 12	0 208 52	Reduced functional uprights for enclosure depth 475 mm
1	0 205 13	0 208 53	For enclosure without internal cable sleeve
1	0 205 16	0 208 54	For enclosure with cable sleeve
			Support frame for faceplates
1	0 205 58	0 208 55	Fixed for enclosure width 725 mm or enclosure width 975 mm without internal cable sleeves
1	0 205 59	0 208 56	Fixed for enclosure width 975 mm with internal cable sleeves
1	0 205 68		Pivoting for enclosure width 725 mm
1	0 205 69		Pivoting for enclosure width 975 mm without internal cable sleeves
1	0 205 79		Pivoting for enclosure width 975 mm with internal cable sleeves
			Spacer for functional uprights
1	0 207 50		For fitting DPX on fixing devices or adjustable plates
			Fixed crosspieces
			Fit onto structural uprights
			Fixed crosspieces are required for creating an internal cable sleeve
1	0 205 21		Set of 2 crosspieces length 350 mm
1	0 205 22		Set of 2 crosspieces length 600 mm
1	0 205 23		Set of 2 crosspieces length 850 mm
			Adjustable crosspieces
			Fit onto structural uprights
			Specifically for busbar supports
1	0 205 51		Set of 2 crosspieces length 350 mm
1	0 205 52		Set of 2 crosspieces length 600 mm
1	0 205 53		Set of 2 crosspieces length 850 mm
			Equipments for partial chassis
2	0 205 30		Kit consisting of 4 fixing plates for reduced functional uprights Cat.No 0 205 12
			To be used when assembling a double partial chassis
1	0 205 31		Set of 2 fixed crosspieces length 350 mm
1	0 205 32		Set of 2 fixed crosspieces length 600 mm
	Height (mm) 2000	Height (mm) 2200	
			Front covers with hinges and lock
1	0 205 47	0 208 66	For internal cable sleeve
1	0 205 48	0 208 67	For external cable sleeve

Distribution enclosures XL³ 4000



0 205 77



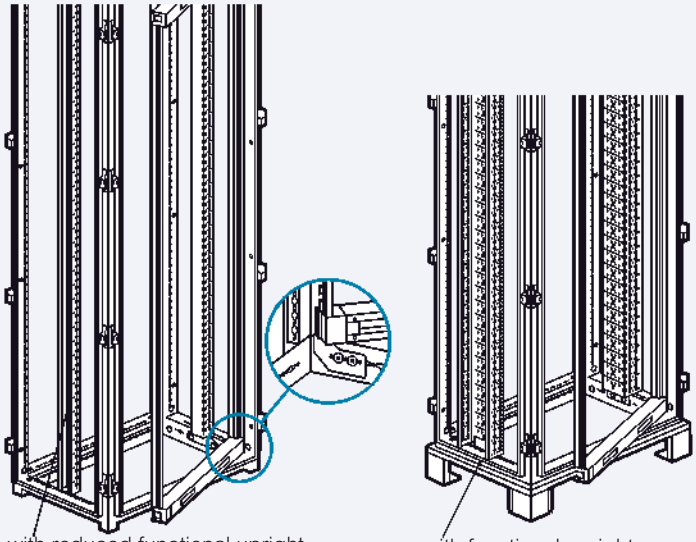
0 205 82

Pack	Cat.Nos	
		Reversible doors
		Supplied with handle Interchangeable key barrels, to be ordered separately For mounting on front, rear or side
	Height (mm) 2000 | 2200	**Curved - metal**
1	0 205 54 | 0 208 61	Width 725 mm
1	0 205 57 | 0 208 62	Width 975 mm
		Curved - glass
1	0 205 64 | 0 208 63	Width 725 mm
1	0 205 67 | 0 208 64	Width 975 mm
		Flat - metal
1	0 205 71 | 0 208 65	Width 475 mm
1	0 205 74	Width 725 mm
1	0 205 77	Width 975 mm
	Height 2000 mm	**Flat - glass**
1	0 205 84	Width 725 mm
1	0 205 87	Width 975 mm

		Mounting equipment
		Joining
1	0 205 86	Screws for structural joining
1	0 205 88	Set of 2 L-shaped reinforcement plates
1	0 205 89	Set of 2 flat reinforcement plates
1	0 205 85	Sealing kit IP 55 for use when joining cabinets - length 5 m
1	0 205 10	Kit for joining plinths
		Lifting rings
1	0 205 82	Set of 4 Max. load: 480 kg per ring

For detailed dimensions and installation principle, **see e-catalogue**

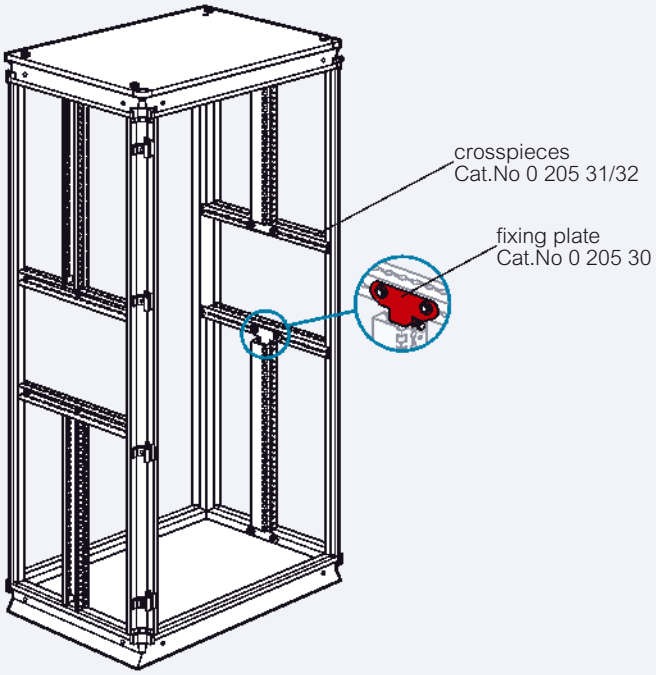
Functional uprights with pivoting support frame for faceplates



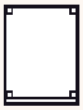
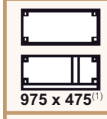
with reduced functional upright
Cat.No 0 205 12

with functional upright
Cat.No 0 205 13

Example of double partial chassis with reduced functional uprights Cat.No 0 205 12



Distribution enclosures XL³ 4000

Enclosures	"Roof-base" assembly	Structural uprights	Plinths	Functional uprights	Faceplate supports		Int. cable sleeves crosspcs	Int. cable sleeves fr. covers	Rear panels	Side panels	Doors			
											Curved		Flat	
											Metal	Glass	Metal	Glass
Height 2000 or 2200 mm Width x Depth					 fixed	 pivoting								
 725 x 425	0 205 04	0 205 00 0 208 50(2)	0 205 14	0 205 12 0 208 52(2)	0 205 58 0 208 55(2)	0 205 68	-	-	0 205 42 0 208 58(2)	0 205 41 0 208 57(2)	0 205 54 0 208 61(2)	0 205 64 0 208 63(2)	0 205 74	0 205 84
 725 x 725	0 205 05	0 205 00 0 208 50(2)	0 205 15	0 205 13 0 208 53(2)	0 205 58 0 208 55(2)	0 205 68	-	-	0 205 42 0 208 58(2)	0 205 42 0 208 58(2)	0 205 54 0 208 61(2)	0 205 64 0 208 63(2)	0 205 74	0 205 84
 725 x 975	0 205 06	0 205 00 0 208 50(2)	0 205 18	0 205 13 0 208 53(2)	0 205 58 0 208 55(2)	0 205 68	-	-	0 205 42 0 208 58(2)	0 205 43 0 208 59(2)	0 205 54 0 208 61(2)	0 205 64 0 208 63(2)	0 205 74	0 205 84
 975 x 475(1)	0 205 07	0 205 00 0 208 50(2)	0 205 17	0 205 12 0 208 52(2) 0 205 16 0 208 54(2)	0 205 58 0 208 55(2) 0 205 59 0 208 56(2)	0 205 69 0 205 79	0 205 21	0 205 47	0 205 43 0 208 59(2)	0 205 41 0 208 57(2)	0 205 57 0 208 62(2)	0 205 67 0 208 64(2)	0 205 77	0 205 87
 975 x 725(1)	0 205 08	0 205 00 0 208 50(2)	0 205 18	0 205 13 0 208 53(2) 0 205 16 0 208 54(2)	0 205 58 0 208 55(2) 0 205 59 0 208 56(2)	0 205 69 0 205 79	0 205 22	0 205 47	0 205 43 0 208 59(2)	0 205 42 0 208 58(2)	0 205 57 0 208 62(2)	0 205 67 0 208 64(2)	0 205 77	0 205 87
 975 x 975(1)	0 205 09	0 205 00 0 208 50(2)	0 205 19	0 205 13 0 208 53(2) 0 205 16 0 208 54(2)	0 205 58 0 208 55(2) 0 205 59 0 208 56(2)	0 205 69 0 205 79	0 205 23	0 205 47	0 205 43 0 208 59(2)	0 205 43 0 208 59(2)	0 205 57 0 208 62(2)	0 205 67 0 208 64(2)	0 205 77	0 205 87

External cable sleeves	"Roof-base" assemblie	Structural uprights	Plinths	Front covers	Rear panels	Side panels	Metal doors
Height 2000 or 2200 mm Width x Depth							
 475 x 475	0 205 01	0 205 00 0 208 50(2)	0 205 11	0 205 48 0 208 67(2)	0 205 41 0 208 57(2)	0 205 41 0 208 57(2)	0 205 71 0 208 65(2)
 475 x 725	0 205 02	0 205 00 0 208 50(2)	0 205 14	0 205 48 0 208 67(2)	0 205 41 0 208 57(2)	0 205 42 0 208 58(2)	0 205 71 0 208 65(2)
 475 x 975	0 205 03	0 205 00 0 208 50(2)	0 205 17	0 205 48 0 208 67(2)	0 205 41 0 208 57(2)	0 205 43 0 208 59(2)	0 205 71 0 208 65(2)

1: With internal cable sleeve
2: For enclosure height 2200 mm

Equipment for XL³ 4000

for modular devices, Vistop, DPX³ 160/250, DPX-IS 250 on rail



0 206 01



0 262 39



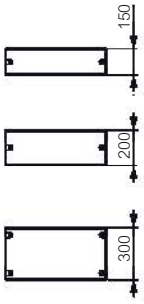
0 208 00



0 209 01

Pack	Cat.Nos	
		Fixing devices on rail
		Rails
		Comprising: an aluminium profile rail and two 2-position fixing brackets Accept HX³ 125 A plug-in connection row distribution blocks Fit onto functional uprights For mounting DPX³ using fixing plates For fixing on XL³ 800 and XL³ 4000 functional uprights Accept wire guide Cat.No 4 052 25 (p. 209)
	24 modules | 36 modules	
1	0 206 01 | 0 206 51	
		Fixing plates for mounting DPX³ on rail
		For mounting DPX³ on aluminium rail or on plate Cat.Nos 0 206 11/61
1	4 210 71	For DPX³ 160 without side motor-driven handle
1	4 210 73	For DPX³ 160 with earth leakage module without side motor-driven handle
1	4 210 68	For all DPX³ 160 devices with side motor-driven handle
1	4 210 72	For DPX³ 250 without side motor-driven handle
1	4 210 74	For DPX³ 250 with earth leakage module without side motor-driven handle
1	4 210 69	For all DPX³ 250 devices with side motor-driven handle
		Fixing plate for mounting DPX-IS 250 on rail
		For mounting devices on aluminium rail or on plate Cat.Nos 0 206 11/61
1	0 262 39	For DPX-IS 250
		Rail height spacer
		Designed for simultaneous mounting of modular devices and DPX³ 160/250 and DPX-IS 250 devices mounted on rail Cat.Nos 0 206 01/51 or plate Cat.Nos 0 206 11/61
1	4 052 26	For 20 modules

Pack	Cat.Nos	
		Metal faceplates
	24 modules | 36 modules	**For modular devices**
1	0 208 00[1]	1/4 turn
1	0 209 00[2] | 0 209 50[2]	With captive screws
		For Vistop up to 160 A
1	0 208 01[1]	1/4 turn
1	0 209 01[2] | 0 209 51[2]	With captive screws
		For DPX³ and DPX-IS 250
1	0 208 10[1]	1/4 turn
1	0 209 10[2] | 0 209 60[2]	With captive screws



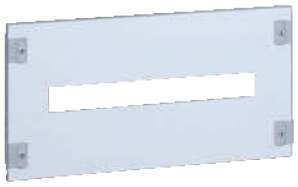
1: For fastening and sealing
2: Hinges Cat.No 0 209 59 available as an option

Equipment for XL³ 4000

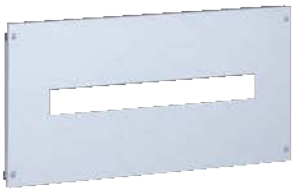
for mounting on plate: DPX-IS 250, 630 and 1600



0 206 05



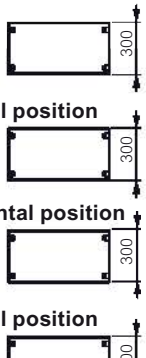
0 208 10



0 209 10

Pack	Cat.Nos	
		Plates for DPX-IS
		Direct fixing on functional uprights
	24 modules | 36 modules	**Fixed plates for device in vertical position**
1	0 206 05 | 0 206 55	For 1 or 2 DPX-IS 250 front or rear terminals
1	0 206 07 | 0 206 57	For 1 DPX-IS 630 front or rear terminals
1	0 211 00	For 1 DPX-IS 1600 or 1 DPX 1600 front terminals
1	0 211 06 | 0 211 03	For 1 DPX-IS 1600 or 1 DPX 1600 rear terminals
		Fixed plates for device in horizontal position
1	0 206 18	For 1 DPX-IS 250 front or rear terminals
1	0 206 19	For 1 DPX-IS 630 front or rear terminals

Pack	Cat.Nos	
		Metal faceplates
	24 modules | 36 modules	**For 1 DPX-IS 250 in vertical position**
1	0 208 10[1]	1/4 turn
1	0 209 10[2] | 0 209 60[2]	With captive screws[(2)]
		For 2 DPX-IS 250 in vertical position
1	0 208 06[1]	1/4 turn
1	0 209 06[2] | 0 209 60[2]	With captive screws
		For 1 DPX-IS 250 in horizontal position
1	0 209 18[2]	With captive screws
		For 1 DPX-IS 630 in vertical position
1	0 208 07[1]	1/4 turn
1	0 209 07[2] | 0 209 57[2]	With captive screws Does not allow the use of terminal shields Cat.No 0 262 45
		For 1 DPX-IS 630 in horizontal position
1	0 209 19[2]	With captive screws
	24 modules	**For 1 DPX-IS 1600 in vertical position**
1	0 211 13[2]	With captive screws
		For 1 DPX-IS 1600 in horizontal position
1	0 208 36[2]	With captive screws



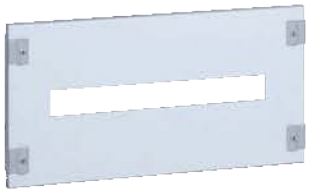
1: For fastening and sealing
2: Hinges Cat.No 0 209 59 available as an option

Equipment for XL³ 4000

for mounting on fixed plate : DPX³ 160 and DPX³ 250



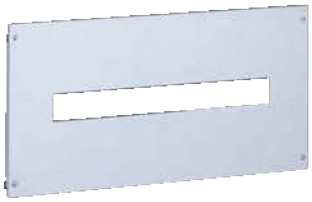
0 206 11



0 208 10



0 206 17



0 209 10

Pack	Cat.Nos	
	24 modules	36 modules
1	0 206 11	0 206 61
1	0 206 08	
1	0 206 13	
	24 modules	
1	0 206 15	
1	0 206 17	

Plates for fixed version DPX³ 160/250 with front terminals

Direct fixing on functional uprights

Devices in vertical position

Equipped with a rail ⊔ for fixing DPX³
The DPX³ must be equipped with a fixing plate Cat.Nos 4 210 68/69/71/72 or plate for manual supply inverter Cat.No 4 210 58
Designed for simultaneous mounting of DPX³ 160/250 and modular equipment (with spacer Cat.No 0 262 99)

Plate for DPX³ with direct rotary handle
The DPX³ must be equipped with a fixing plate Cat.Nos 4 210 68/69

Plate for motor-driven supply inverter
The supply inverter must be equipped with a fixing plate Cat.Nos 4 210 58

Devices in horizontal position

For cut-out protection for cable passing, use seal Cat.No 0 202 40 (p. 208)

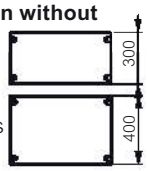
For 1 DPX³ 160

For 1 DPX³ 250

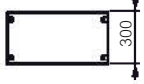
	24 modules	36 modules
1	0 208 10[1]	
1	0 209 10[2]	0 209 60[2]
1	0 209 27	
	24 modules	
1	0 208 05[1]	
1	0 209 05[2]	
1	0 208 13[1]	
1	0 209 13[2]	
1	0 208 17[1]	
1	0 209 17[2]	

Metal faceplates

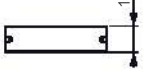
For DPX³ in vertical position without direct rotary handle
1/4 turn
With captive screws
With captive screws for DPX³ 250 with terminal shields



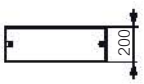
For DPX³ in vertical position with direct rotary handle
1/4 turn
With captive screws



For DPX³ 160
1/4 turn
With captive screws



For DPX³ 250
1/4 turn
With captive screws



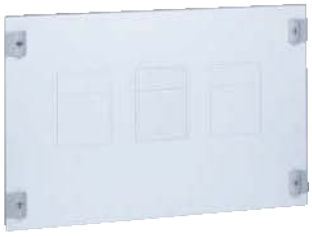
1: For fastening and sealing
2: Hinges Cat.No 0 209 59 available as an option

Equipment for XL³ 4000

for mounting on fixed plate: DPX³ 630 and DPX³ 1600



0 206 20



0 208 20

Pack	Cat.Nos	
	24 modules	36 modules
1	0 206 20[1]	0 206 70
1	0 206 22[1]	
1	0 211 00	0 211 02
1	0 206 23	
1	0 211 00	0 211 02

Plates for fixed version DPX³ 630/1600, with front terminals

Direct fixing on functional uprights

Devices in vertical position

For 1 to 3 DPX³ 630

For 1 to 3 DPX³ 630 with earth leakage module

For 1 DPX IS 1600 or 1 DPX³ 1600 front terminal

Devices in horizontal position

For cut-out protection for cable passing, use seal Cat.No 0 202 40 (p. 208)

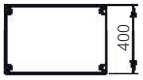
For 1 DPX³ 630 with or without earth leakage module

For 1 DPX IS 1600 or 1 DPX³ 1600 front terminal

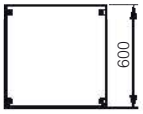
	24 modules	36 modules
1	0 208 20[2]	
1	0 209 20[3]	0 209 70[3]
1	0 208 22[2]	
1	0 209 22[3]	0 209 72[3]
1	0 211 10[2]	
1	0 211 11[3]	0 211 12[3]

Metal faceplates for devices in vertical position

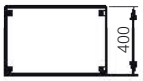
For 1 to 3 DPX³ 630 only
1/4 turn
With captive screws



For 1 to 3 DPX³ 630 with downstream earthleakage module
1/4 turn
With captive screws



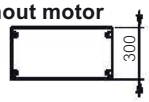
For 1 DPX³ 1600
1/4 turn
With captive screws



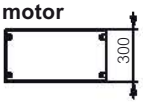
Metal faceplates for devices in vertical position

	24 modules	
1	0 208 23[2]	
1	0 209 21[3]	
1	0 209 23[3]	
	24 modules	36 modules
1	0 208 34[3]	
1	0 209 34[3]	0 209 84[3]

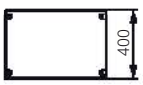
For 1 DPX³ 630 with or without earth leakage module without motor
1/4 turn
With captive screws



For 1 DPX³ 630 with or without earth leakage module with motor
With captive screws



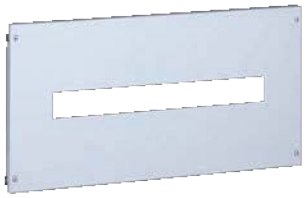
For 1 DPX³ 1600
1/4 turn
With captive screws



1: For 2 DPX 630 4P
2: For fastening and sealing
3: Hinges Cat.No 0 209 59 available as an option

Equipment for XL³ 4000

for mounting on adjustable plate: DPX³ 160, DPX³ 250 fixed version



0 209 10



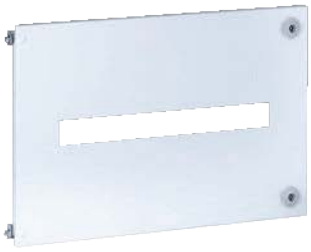
0 208 13

Pack	Cat.Nos	
		Fixing fixed version DPX³ 160/250 with front or rear terminals
		Adjustable fixing devices for MCCBs in vertical position
		The MCCBs are fixed using special mounting plates
		Allow mounting direct rotary handles and front motor-driven handles
	24 modules | 36 modules	
1	0 207 90 | 0 207 61	For 1 to 3 DPX³
1	0 206 63	For 2 DPX³ supply invertor
		Mounting plates for devices in vertical position
1	0 207 49	For 1 DPX³ 160
1	0 206 71	For 1 DPX³ 160 in supply invertor
1	0 207 64	For 1 DPX³ 250
1	0 206 73	For 1 DPX³ 250 in supply invertor
		Adjustable plates for devices in horizontal position
	24 modules	
1	0 207 94	For 1 DPX³ 160
1	0 207 96	For 1 DPX³ 250
		Metal faceplates for devices in vertical position
		For DPX³ with or without motor driven handle
	24 modules | 36 modules	
1	0 208 10[1]	1/4 turn
1	0 209 10[2] | 0 209 60[2]	With captive screws
		For 1 to 3 DPX³ with direct rotary handle
1	0 208 05[1]	1/4 turn
1	0 209 05[2] | 0 209 65[2]	With captive screws
		Metal faceplates for devices in horizontal position
		Allow mounting front motor-driven handles
	24 modules	
1	0 208 13[2]	**For 1 DPX³ 160**
1	0 209 13[1]	1/4 turn
		With captive screws
1	0 208 17[2]	**For 1 DPX³ 250**
1	0 209 17[1]	1/4 turn
		With captive screws

1: Hinges Cat.No 0 209 59 available as an option
2: For fastening and sealing

Equipment for XL³ 4000

for mounting on adjustable plate: plug-in DPX³ 160, DPX³ 250



0 212 11

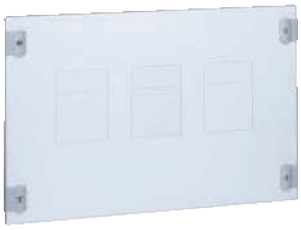


0 212 13

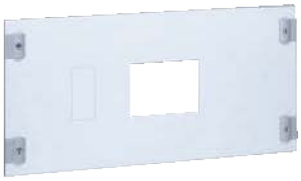
Pack	Cat.Nos	
		Fixing plug-in version DPX³ 160/250 with front or rear terminals
		Adjustable fixing devices in vertical position
		The devices are fixed using special mounting plates
		Allow mounting direct rotary handles and front motor-driven handles
1	0 207 91	For 1 to 3 DPX³
1	0 206 69	For 2 DPX³ supply invertor
		Mounting plates for devices in vertical position
1	0 207 59	For 1 DPX³ 160
1	0 206 81	For 1 DPX³ 160 in supply invertor
1	0 207 69	For 1 DPX³ 250
1	0 206 83	For 1 DPX³ 250 in supply invertor
		Adjustable plates for devices in horizontal position
1	0 207 95	For 1 DPX³ 160
1	0 207 97	For 1 DPX³ 250
		Metal faceplates for devices in vertical position
		For 1 to 3 DPX³ with or without front motor-driven handle
1	0 212 11	With hinges and lock
		For 1 to 3 DPX³ with direct rotary handle
1	0 212 08	With hinges and lock
		Metal faceplate for devices in horizontal position
		Allow mounting front motor-driven handles
		For 1 DPX³
1	0 212 13	With hinges and lock

Equipment for XL³ 4000

for mounting on adjustable plates: DPX³ 630 fixed version



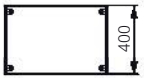
0 208 20

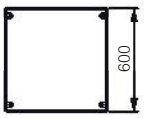


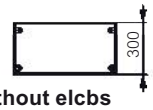
0 208 23

Adjustable plates are used for front terminal/rear terminal connection and mounting of motor-driven or rotary handles

Pack	Cat.Nos	
		Fixing fixed version DPX³ 630, with front or rear terminals
		Adjustable fixing devices for MCCBs in vertical position
	24 modules | 36 modules	The MCCBs are fixed using special plates
1	0 207 20 | 0 207 70	For 1 to 3 DPX³ 630
1	0 207 22 | 0 207 72	For 1 to 3 DPX³ 630 with earth leakage module
		Mounting plates for devices in vertical position
	24 modules	
1	0 207 85	DPX³ 630
1	0 207 86	DPX³ 630 with earth leakage module
		Adjustable plates for devices in horizontal position
	24 modules	
1	0 207 93	For 1 DPX³ 630 with or without elcbs
		Metal faceplates for devices in vertical position
		For 1 to 3 DPX³ 630 only
	24 modules | 36 modules	
1	0 208 20[1]	1/4 turn
1	0 209 20[2] | 0 209 70[2]	With captive screws
		For 1 to 3 DPX³ 630 with downstream elcbs
1	0 208 22[1]	1/4 turn
1	0 209 22[2] | 0 209 72[2]	With captive screws
		Metal faceplates for devices in horizontal position
		For 1 DPX³ 630 with or without elcbs
	24 modules	
1	0 208 23[1]	1/4 turn
1	0 209 21[2]	With captive screws
		For 1 DPX³ 630 with or without elcbs with motor-driven or rotary handle
1	0 209 23[2]	With captive screws

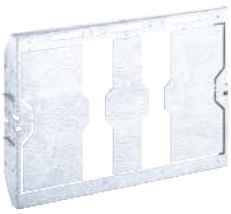






1: For fastening and sealing
2: Hinges Cat.No 0 209 59 available as an option

Equipment for XL³ 4000 for mounting on adjustable plates: DPX³ 630 plug-in, draw-out version or supply invertors



0 207 21

0 207 87

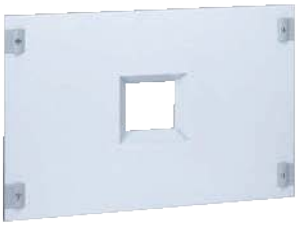
Adjustable plates are used for front terminal/rear terminal connection and mounting of motor-driven or rotary handles

Pack	Cat.Nos	
		Fixing plug-in or draw-out version DPX³ 630, with front or rear terminals
		Adjustable fixing devices for MCCBs in vertical position
		The MCCBs are fixed using special plates
1	0 207 21	For 1 to 3 DPX³ 630
1	0 207 23	For 1 to 3 DPX³ 630 with elcbs
		Mounting plates for devices in vertical position
1	0 207 87	For device only
1	0 207 88	For device with elcbs
1	0 207 98	For plug-in or draw-out device with or without elcbs
		Metal faceplates for plug-in devices
		Faceplates with hinges and lock
		Devices in vertical position
1	0 212 20	For 1 to 3 DPX³ 630
		Devices in horizontal position
1	0 212 17	For device with or without elcbs
		Metal faceplates for draw-out devices
		Faceplates with hinges and lock
		Devices in vertical position with or without rotary handle
1	0 212 21	For 1 DPX³ 630 without elcb
1	0 212 23	For 1 DPX³ 630 without elcb
		Devices in vertical position with motor-driven handle
1	0 212 04	For 1 device without elcb
		Devices in horizontal position
1	0 212 18	For 1 device with or without downstream earth leakage module with or without rotary handle
1	0 212 19	For 1 device with or without elcbs mounted underneath with motor-driven handle
		Fixing supply invertors DPX³
		Devices in vertical position
1	0 206 76	For 2 devices
		Metal faceplates for supply invertors
		For fixed version DPX³
		With captive screws
1	0 209 76[1]	For 2 devices with or without motor-driven handle
		For draw-out DPX³
		With hinges and lock
1	0 212 95	For 2 devices with motor-driven handle

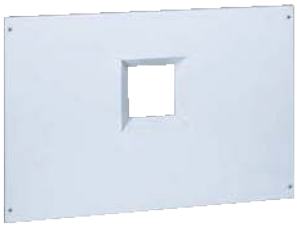
1: Hinges Cat.No 0 209 59 available as an option

Equipment for XL³ 4000

for mounting on adjustable plates: DPX³ 1600 fixed version



0 211 10



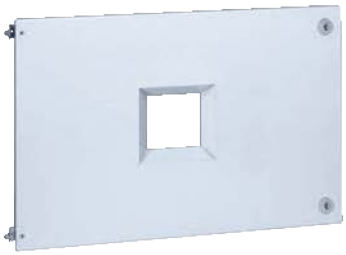
0 209 34

Adjustable plates are used for front terminal/rear terminal connection and mounting of motor-driven or rotary handles

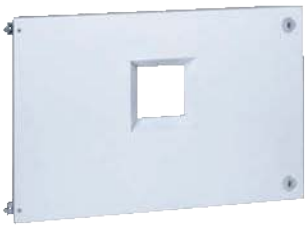
Pack	Cat.Nos	
		Fixing fixed version devices
	24 modules | 36 modules	**Adjustable plates for devices in vertical position**
1	0 211 04	For 1 DPX³ 1600 with front terminals
1	0 211 06 | 0 211 03	For 1 DPX-IS 1600 or 1 DPX³ 1600 with rear terminals
	24 modules | 36 modules	**Fixed plate for devices in horizontal or vertical position**
1	0 211 00[3] | 0 211 02	For 1 DPX³ 1600 or DPX-IS 1600 front terminals
		Adjustable plate for devices in horizontal position
1	0 207 36	For 1 DPX-IS 1600 or DPX³ 1600 rear terminals in vertical position
		Metal faceplates for devices in vertical position
	24 modules | 36 modules	**For 1 DPX³ 1600 only**
1	0 211 10[1]	1/4 turn
1	0 211 11[2] | 0 211 12[2]	With captive screws
	24 modules	**For 1 DPX³ 1600 with rotary or motor-driven handle**
1	0 211 14[2]	With captive screws
		Metal faceplates for devices in horizontal position
	24 modules | 36 modules	**For 1 DPX³ 1600 only**
1	0 208 34[1]	1/4 turn
1	0 209 34[2] | 0 209 84[2]	With captive screws
	24 modules	**For 1 DPX³ 1600 rear terminals with motor-driven or rotary handle and front terminals with rotary handle**
1	0 209 35[2]	With captive screws
		For 1 DPX³ 1600 front terminals with motor-driven handle
1	0 209 36[2]	With captive screws

1: For fastening and sealing
2: Hinges Cat.No 0 209 59 available as an option
3 : DPX-IS only in vertical position

Equipment for XL³ 4000 for mounting on adjustable plates: DPX³ 1600 draw-out version and supply invertors



0 211 15



0 212 34

Adjustable plates are used for front terminal/rear terminal connection and mounting of motor-driven or rotary handles

Pack	Cat.Nos	
		Fixing draw-out version DPX³ 1600, with front or rear terminals
	24 modules	**Adjustable plates for devices in vertical position**
1	0 211 05	For 1 DPX³ 1600
		Adjustable plates for devices in horizontal position
1	0 207 35	For 1 DPX³ 1600 with rear terminals
		Metal faceplates for draw-out version
		Faceplates with hinges and lock
	24 modules	**Devices in vertical position**
1	0 211 15	For 1 DPX³ 1600
1	0 211 16	For 1 DPX³ 1600 with motor-driven or rotary handle
		Devices in horizontal position
1	0 212 34	For 1 DPX³ 1600
1	0 212 35	For 1 DPX³ 1600 with motor-driven or rotary handle
		Fixing supply invertor version DPX³ 1600
	24 modules	**Devices in horizontal position**
1	0 206 86	For 2 fixed DPX³ 1600
1	0 206 87	For 2 draw-out DPX³ 1600
		Metal faceplates for supply invertors
	24 modules	**For fixed version DPX³ 1600**
		With captive screws
1	0 209 86[1]	For 2 DPX³ 1600
1	0 209 87[1]	For 2 DPX³ 1600 with motor-driven handle
		For draw-out version DPX³ 1600
		With hinges and lock
1	0 212 37	For 2 DPX³ 1600 with motor-driven handle

1: Hinges Cat.No 0 209 59 available as an option

Equipment for XL³ 4000

for mounting on plate: DMX³ and DMX³-I fixed or draw-out version



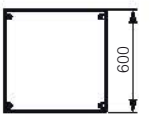
0 207 51

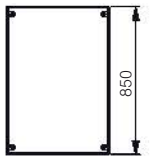


0 209 38

Pack	Cat.Nos 24 modules	Cat.Nos 36 modules	Fixing devices for DMX³ and DMX³-I
			For DMX³ fixed version
1	0 207 51		For 1 DMX³ 2500/4000, N/H/L, 3P/4P, and DMX³-I Width 600 mm
1		0 207 52	For 1 DMX³ 2500/4000, N/H/L, 3P/4P, and DMX³-I Width 850 mm
			For DMX³ draw-out version
1	0 207 53		For 1 DMX³ 2500/4000, N/H/L, 3P/4P, and DMX³-I Width 600 mm
1		0 207 54	For 1 DMX³ 2500/4000, N/H/L, 3P/4P, and DMX³-I Width 850 mm

Pack	Cat.Nos 24 modules	Cat.Nos 36 modules	Metal faceplates for DMX³ and DMX³-I fixed or draw-out version
			Faceplates with hinges and lock
			Width 600 mm
1	0 209 38		For 1 DMX³ 2500/4000, N/H/L, 3P, or 1 DMX³ 2500, N/H, 4P or 1 DMX³-I 2500
1	0 209 39		For 1 DMX³-L 2500, 4P, or 1 DMX³ 4000, N/H/L, 4P or 1 DMX³-I 4000
			Width 850 mm
1		0 209 48	For 1 DMX³ 2500/4000, N/H/L, 3P/4P or 1 DMX³-I 2500/4000





Solid faceplates and accessories for XL³ 4000



0 208 44



0 209 59



0 200 51

Pack	Cat.Nos	Metal solid faceplates
		1/4 turn
		For fastening and sealing
	24 modules	Height (mm)
1	0 208 40	50
1	0 208 41	100
1	0 208 42	150
1	0 208 43	200
1	0 208 44	300
1	0 208 45	400
1	0 208 46	600
		With captive screws
		Hinges Cat.No 0 209 59 available as an option
	24 modules | 36 modules	Height (mm)
1	0 209 40 | 0 209 90	50
1	0 209 41 | 0 209 91	100
1	0 209 42 | 0 209 92	150
1	0 209 43 | 0 209 93	200
1	0 209 44 | 0 209 94	300
1	0 209 45 | 0 209 95	400
1	0 209 46 | 0 209 96	600
		With hinges and lock
1	0 212 45	100
1	0 212 47	200
1	0 212 48	300

Pack	Cat.Nos	Accessories for natural ventilation
		Assist natural ventilation Screw mounting
	24 modules | 36 modules	**Perforated faceplates**
1	0 209 49 | 0 209 99	Height 200 mm
		Perforated panels
1	0 205 44	For plinth 725 mm width
1	0 205 45	For plinth 975 mm width
		Distance piece
1	0 205 46	Distance piece for roof heightening

Pack	Cat.Nos	Accessories for faceplates
		Hinges
1	0 209 59	Set of 2 Fit on screw mounting faceplates
		Blanking plates
		For metal or insulated faceplates
20	0 200 51	24 modules, smooth adjustable strip
10	0 016 65	18 modules, can be separated into modules or 1/2 modules
		Clip-on holder for adhesive labels
		Supplied with sheet of labels for marking rows on faceplate
10	0 203 99	24 modules

Accessories and faceplates for XL³ 4000



0 206 42



0 206 45



0 206 02

Pack	Cat.Nos	Universal plates
		Fit onto the functional uprights
		Perforated plates width 600 mm
1	0 206 41	Height 200 mm
1	0 206 42	Height 400 mm
		Solid plates width 600 mm
1	0 206 43	Height 200 mm
1	0 206 44	Height 400 mm
1	0 206 45	Height 600 mm
		Solid plates width 850 mm
1	0 206 46	Height 400 mm
		Adjustable solid plates
1	0 206 40	Height 100 mm, width 600 mm
1	0 206 47	Height 200 mm, width 600 mm
1	0 206 48	Height 400 mm, width 600 mm
1	0 206 49	Height 200 mm, width 850 mm
1	0 206 90	Height 100 mm, width 850 mm

		Solid mounting plate
		Supplied with depth adjustment runner
1	0 205 40	Height 1800 mm, width 600 mm

		Universal ⌙ rails
		Fit onto the functional uprights
1	0 206 04	Width 600 mm (24 modules)
1	0 206 54	Width 850 mm (36 modules)

		Adjustable universal fixing devices
		Comprising a ⌙ rail and 2 adjustable fixing brackets Fit onto the functional uprights
1	0 206 02	For 24 module cabinets and enclosures
1	0 206 52	For 36 module cabinets and enclosures

		Lighting for panel
		Lighting kit
1	0 209 89	Kit for metal XL³ 800/4000, comprising fluorescent lamp, fixings and metal screw-mounting faceplate

Pack	Cat.Nos	Wiring
		Lina 25 ducting fixing supports For horizontal and vertical mounting and height adjustment of Lina 25 ducting Fit directly onto the functional uprights
1	0 204 70	Set of 2, for 36 module enclosures
1	0 205 70	Set of 2, for 24 module enclosures
		Lina 25 ducting Length: 2 m
		Width x Height (mm)
48	0 362 07	40 x 60
40	0 362 08	40 x 80
32	0 362 12	60 x 60
32	0 362 13	60 x 80
		Isolating rivet
100	0 200 80	For fixing Lina 25 ducting on functional uprights

		Accessories
		Clip nuts and screws 1/4 fastening on front panel
50	0 200 92	Clip nuts for M6 screws
20	0 200 91	M6 screws
		Aerosol paint spray
6	0 200 98	RAL 7035 - 400 ml

		Cable fixing supports
1	0 205 21	Set of 2 crosspieces length 350 mm
1	0 205 22	Set of 2 crosspieces length 600 mm
1	0 205 23	Set of 2 crosspieces length 850 mm

		Roof reinforcement bracket
1	0 205 29	Set of 2 brackets for XL³ 4000 - CEP Zucchini connection

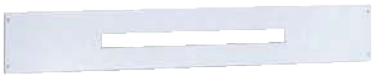
Distribution enclosures XL³ 6300





0 211 37

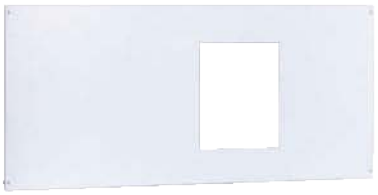
Assembly consisting of:
- Roof-base Cat.No 0 211 35
- Structural uprights Cat.No 0 211 36
- Functional uprights Cat.No 0 211 37
- Rear panel Cat.No 0 211 41
- Support frame for faceplates Cat.No 0 208 55
- Lifting rings Cat.No 0 205 82



0 208 00



0 211 40



0 211 39

IP 30 - IK 07
Consist of the combination of a "roof-base" assembly, structural uprights, rear and side panels RAL 7035, plinths RAL 7004
Height 2200 mm, usable faceplate height 2000 mm

Enclosures modular metal

Structural uprights

Fit onto the "roof-base" assembly
Take the side and rear panels

Pack	Cat.Nos	
1	0 211 36	Set of 4 uprights

"Roof-base" for enclosure

Fitted with cable entry plates
Take the structural uprights

Pack	Cat.Nos	Depth (mm)	Width (mm) external	Width (mm) usable
1	0 211 33	475	1425	1300
1	0 211 34	725	1425	1300
1	0 211 35	975	1425	1300

Side panels

Fixed with screws

Pack	Cat.Nos	
1	0 208 57	Width 475 mm
1	0 208 58	Width 725 mm
1	0 208 59	Width 975 mm

Rear panel

Fixed with screws

Pack	Cat.Nos	
1	0 211 41	Width 1300 mm (supplied in two parts)

Finishing panels IP 30

Pack	Cat.Nos	
1	0 211 48	1300 x 2000 mm

Plinths that can be placed side by side

Pack	Cat.Nos	Height (mm)	Depth (mm)	Width (mm)
1	0 211 30	100	475	1425
1	0 211 31	100	725	1425
1	0 211 32	100	975	1425

Equipment

Functional uprights

For fi xing mounting equipment (faceplate, rails…)

Pack	Cat.Nos	
1	0 211 37	Set of 2 functional uprights

Support frame for faceplates

Pack	Cat.Nos	
1	0 208 55	Fixed for enclosure width 725 mm or enclosure width 975 mm

Isolating supports for busbars 6300 A

Supports for 3 bars 200 x 10 mm (per phase)

Pack	Cat.Nos	
1	0 373 12	Fixed support
1	0 373 13	Additional support Mounted in addition to fi xed support Cat.No 0 373 12 to comply with the distances (depending on the Isc)

Mounting equipment

Joining

Pack	Cat.Nos	
1	0 205 86	Screws for structural joining
1	0 205 88	Set of 2 L-shaped reinforcement plates
1	0 205 89	Set of 2 flat reinforcement plates

Lifting rings

Pack	Cat.Nos	
1	0 205 82	Set of 4 Max. load: 480 kg per ring

Fixing modular devices on rail ⌙⌡

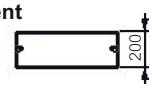
Rail ⌙⌡

Comprising: an aluminium profile rail and two 2-position fixing brackets
Fit onto functional uprights

Pack	Cat.Nos	
1	0 211 42	For fixing on XL³ 6300 functional uprights 36 modules

Metal faceplate for ⌙⌡ rail equipment

Pack	Cat.Nos	
1	0 208 00	Height 200 mm



Fixing devices for DMX³ 6300

Fixing plates

Pack	Cat.Nos	
1	0 211 38	For 1 DMX³ 6300 3P/4P fixed version
1	0 211 40	For 1 DMX³ 6300 3P/4P draw-out version

Metal faceplate

Pack	Cat.Nos	
1	0 211 39	For 1 DMX³ 6300 3P/4P fixed or draw-out version

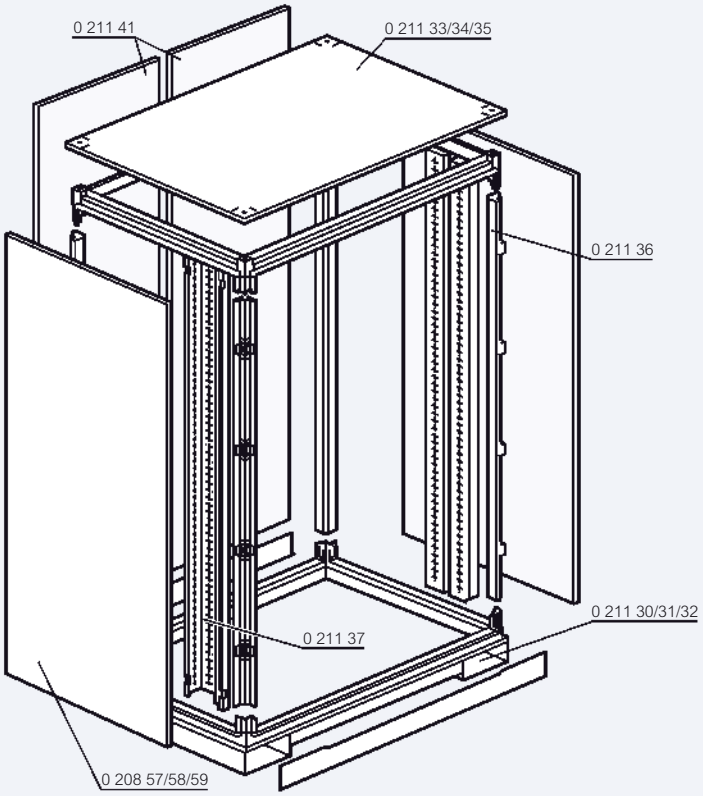
Metal solid faceplates

Pack	Cat.Nos	
1	0 211 44	Height 200 mm, width 1300 mm
1	0 211 45	Height 400 mm, width 1300 mm

Forms of separation equipment

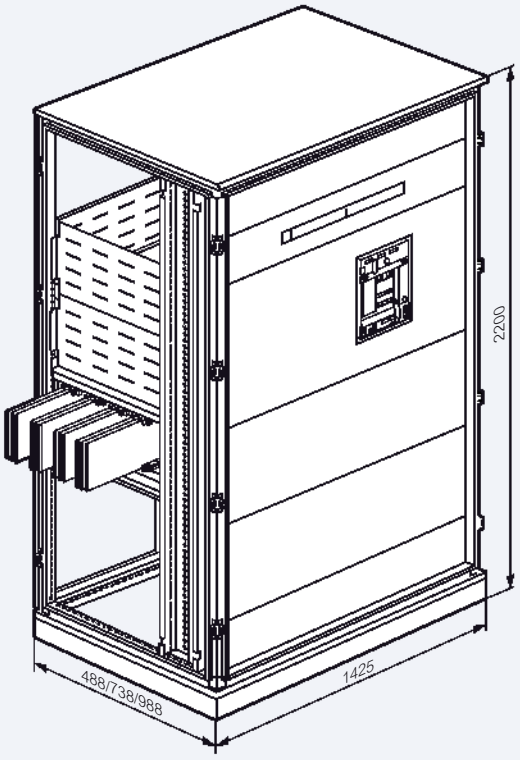
Pack	Cat.Nos	
1	0 211 46	DMX³ 6300 compartment kit (form 4b)
1	0 211 47	Partitionning for 6300 A busbars
1	0 211 49	Kit for horizontal separation (up and down)

Installation principle

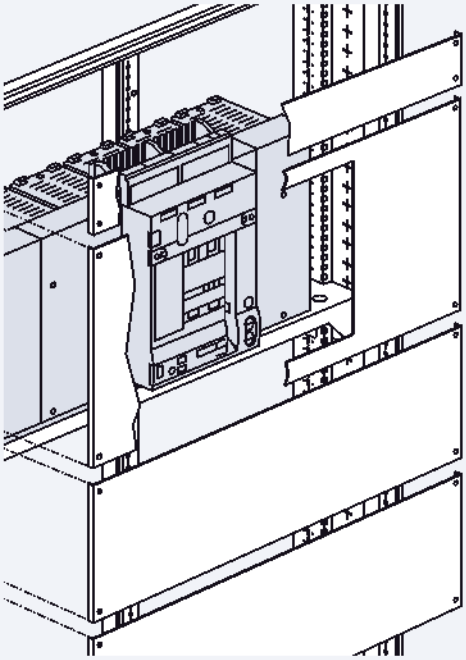


Dimensions

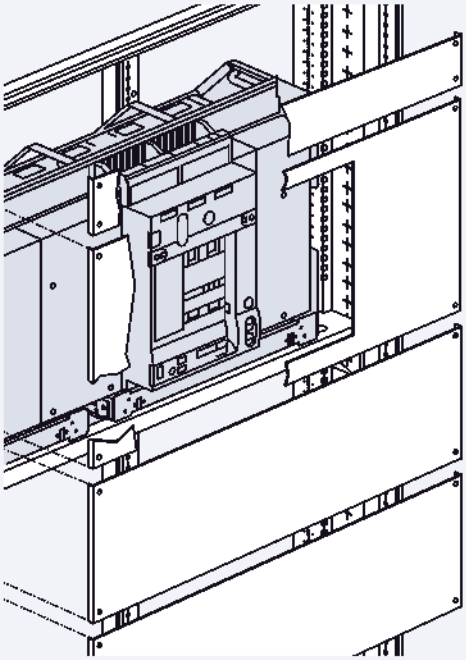
External dimensions (mm)



Mounting DXM³ 6300 fixed version with Cat.No 0 211 38

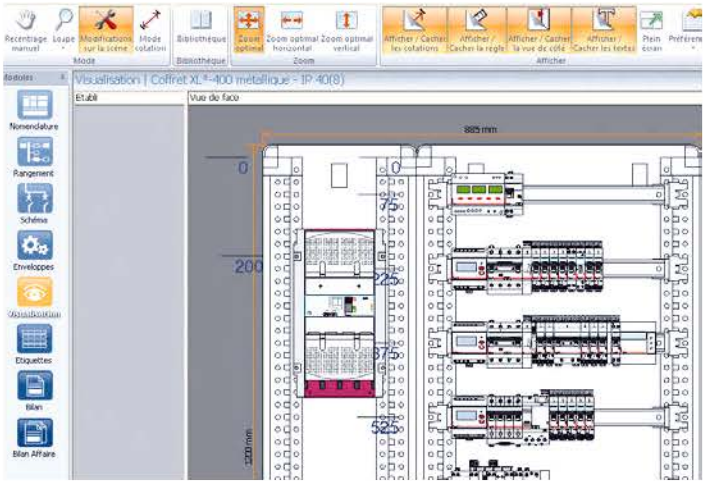


Mounting DMX³ 6300 draw-out version with Cat.No 0 211 40



Essential tool for all levels of forms

XL PRO³ determines the partitioning and automatically inserts all the necessary catalogue numbers according to required level of form



MAIN FEATURES

- All level of forms from 1 to 4b
- Choice of the distribution system
- Automatic generation of the the circuit diagram and calculation of the most suitable type of enclosure
- Preview of the electrical switchboard
- Complete parts list and purchase order

MORE INFORMATION



Get detailed information on many digital or printed supports on **www.export.legrand.com** or contact your Area Commercial Manager in order to obtain your XLPro³ software.

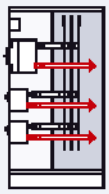
Forms of separation equipment for XL³ 4000 and 6300

Designation	
Top or bottom horizontal separation kit	
Front panel partitioning DMX³	
Front panel side partitioning	
Horizontal partitioning for functional units	
Kit for vertical separation between enclosure and cable sleeve	
Kit for vertical separation between internal cable sleeve and external cable sleeve	
L-shaped separation kit for horizontal busbars 1600 A max.	
U-shaped separation kit for horizontal busbars 1600 A max.	
L-shaped separation kit for horizontal busbars 4000 A max.	
U-shaped separation kit for horizontal busbars 4000 A max.	
U-shaped separation kit for horizontal busbars 6300 A max.	
U-shaped separation kit for horizontal busbars 1600 A max.	
U-shaped separation kit for horizontal busbars 4000 A max.	
U-shaped separation kit for horizontal busbars 1600 A max.	
U-shaped separation kit for horizontal busbars 4000 A max.	
Side vertical divider for DPX 1600	
Side partition with and caps for functional units separation	
Vertical partitionning for rear busbars	
Partitionning for rear busbars	
Horizontal busbar partitioning	
Rear vertical partitioning	
DPX³ compartment kit	
Partitionning for cell without horizontal busbars	
Bottom busbar area closure	
Rear partitioning divider for space compartment	
DMX³ 2500/4000, compartment kit	
DMX³ 2500/4000, compartment kit	
DMX³ 6300, kit for horizontal separation	

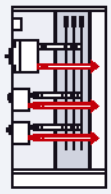
Complementary information	Forms of separation and type of connection (terminals)							
	2a	2b		3a	3b		4a	4b
	rear terminals	front terminals	rear terminals	rear terminals	front terminals	rear terminals	front terminals	rear terminals
width 24 modules	0 208 91				0 208 91	0 208 91	0 208 91	0 208 91
width 36 modules	0 208 99				0 208 99	0 208 99	0 208 99	0 208 99
width 24 modules	0 208 08			0 208 08				
width 36 modules	0 208 09			0 208 09				
				0 208 68		0 208 68		0 208 68
width 24 modules			0 208 92	0 208 92	0 208 92	0 208 92	0 208 92	0 208 92
width 36 modules			0 205 92	0 205 92	0 205 92	0 205 92	0 205 92	0 205 92
for enclosure depth 475 mm		0 208 27			0 208 27		0 208 27	
for enclosure depth 725 mm		0 208 28			0 208 28		0 208 28	
for enclosure depth 975 mm		0 208 29			0 208 29		0 208 29	
for enclosure depth 475 mm		0 208 37			0 208 37		0 208 37	
for enclosure depth 725 mm		0 208 38			0 208 38		0 208 38	
for enclosure depth 975 mm		0 208 39			0 208 39		0 208 39	
for enclosure depth 475 mm		0 205 36			0 205 36		0 205 36	
for enclosure depth 725 mm		0 205 37			0 205 37		0 205 37	
for enclosure depth 725 mm		0 205 38			0 205 38		0 205 38	
for enclosure depth 975 mm		0 205 39			0 205 39		0 205 39	
for XL³ 6300 enclosures		0 211 47			0 211 47		0 211 47	
for internal cable sleeves depth 475 mm		0 208 70			0 208 70		0 208 70	
for internal cable sleeves depth 725 mm		0 208 71			0 208 71		0 208 71	
for internal cable sleeves depth 725 mm		0 208 72			0 208 72		0 208 72	
for internal cable sleeves depth 975 mm		0 208 76			0 208 76		0 208 76	
for external cable sleeves depth 475 mm		0 208 73			0 208 73		0 208 73	
for external cable sleeves depth 725 mm		0 208 74			0 208 74		0 208 74	
for external cable sleeves depth 725 mm		0 208 75			0 208 75		0 208 75	
for external cable sleeves depth 975 mm		0 208 86			0 208 86		0 208 86	
		0 205 96			0 205 96		0 205 96	
height 200 mm					0 205 97		0 205 97	
height 300 mm					0 205 98		0 205 98	
height 400 mm					0 205 99		0 205 99	
for enclosure depth 725 mm			0 208 48			0 208 48		
for enclosure depth 975 mm			0 208 49			0 208 49		
height 200 mm			0 208 77			0 208 77		
height 300 mm			0 208 78			0 208 78		
height 400 mm			0 208 79			0 208 79		
for enclosure depth 725 mm			0 208 93			0 208 93		
for enclosure depth 975 mm			0 208 94			0 208 94		0 208 94
						0 208 69		0 208 69
height 200 mm								0 208 87
height 300 mm								0 208 88
height 400 mm								0 208 89
to close last DPX compartment								0 208 95
								0 208 96
								0 208 97
width 24 modules (enclosure depth 725 mm)		0 208 02	0 208 02		0 208 02	0 208 02	0 208 02	0 208 02
width 36 modules (enclosure depth 725 mm)		0 208 03	0 208 03		0 208 03	0 208 03	0 208 03	0 208 03
width 24 modules (enclosure depth 975 mm)		0 208 18	0 208 18		0 208 18	0 208 18	0 208 18	0 208 18
width 36 modules (enclosure depth 975 mm)		0 208 19	0 208 19		0 208 19	0 208 19	0 208 19	0 208 19
for XL³ 6300 enclosures		0 211 46	0 211 46		0 211 46	0 211 46	0 211 46	0 211 46
for XL³ 6300 enclosures		0 211 49	0 211 49		0 211 49	0 211 49	0 211 49	0 211 49

Forms 2a to 4b for XL³ 4000 and 6300

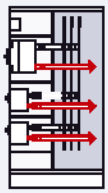
Definitions (standard EN 60439-1)



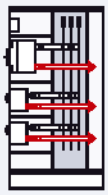
Form 2a
Separation of the busbars from the functional units
The terminals for external conductors do not need to be separated from the busbars



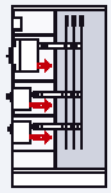
Form 2b
Separation of the busbars from the functional units
The terminals for external conductors are separated from the busbars



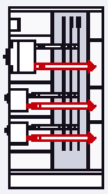
Form 3a
Separation of the busbars from the functional units, separation of the terminals for external conductors from the functional units and separation of all the functional units from one another
The terminals for external conductors do not need to be separated from the busbars



Form 3b
Separation of the busbars from the functional units and separation of all the functional units from one another
Separation of the terminals for external conductors from the functional units but not from each other
The terminals for external conductors do not need to be separated from the busbars



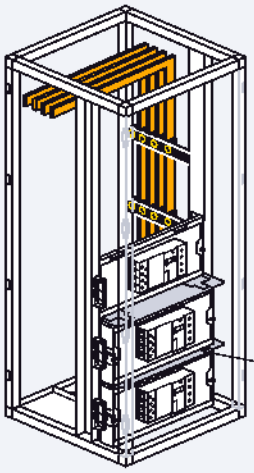
Form 4a
Separation of the busbars and the functional units and separation of all the functional units from one another, including the terminals for external conductors which are an integral part of the functional unit The terminals for external conductors are in the same compartment as the functional unit
The terminals for external conductors are separated from the busbars



Form 4b
Separation of the busbars and the functional units and separation of all the functional units from one another, including the terminals for external conductors
The terminals for external conductors are not in the same compartment as the functional unit, but in individual, separate compartments

Rear terminals construction

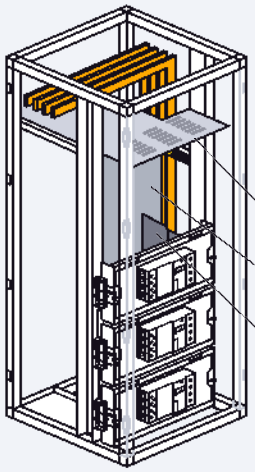
Form 2a



Form 2a is simply obtained by using adjustable horizontal plates
DPX must have rear terminals
The busbar must be installed behind the functional uprights
If the addition of further equipment in the enclosure is required, use solid plates
When there is a gap between 2 plates, horizontal divider Cat. Nos 0 208 92 or 0 205 92 must be used to prevent any contact with the rear busbar

Horizontal partitioning Cat.No 0 208 92 or Cat.No 0 205 92 to fill the space between the plates

Forme 2b



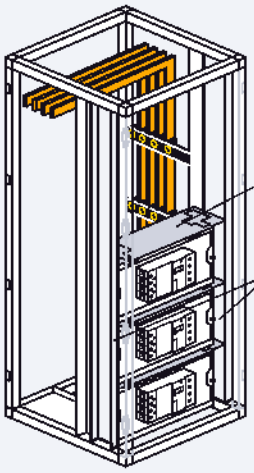
Separation of the busbars from the functional units
The terminals for external conductors are separated from the busbars
The vertical busbar is placed behind the functional uprights
The devices must be horizontal and with rear terminal connection

Horizontal busbar partitioning Cat.No 0 208 93/94

Horizontal rear busbars partitioning Cat.No 0 208 84/85

Divider for rear terminals Cat.No 0 208 77/78/79

Form 3a

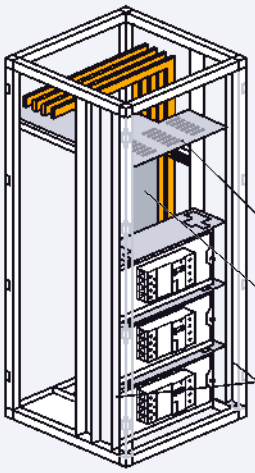


Form 3a is obtained from form 2a by adding horizontal dividers Cat.No 0 208 92 or Cat.No 0 205 92 and front panel total dividers Cat.No 0 208 90

Horizontal partitioning Cat.No 0 208 92 or Cat.No 0 205 92

Front panel side partitioning Cat.No 0 208 90

Form 3b



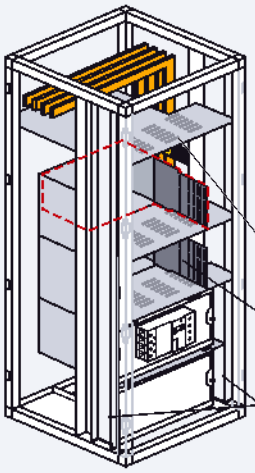
For form 3b partitioning, it is advisable to start with form 2b and add:
- Horizontal dividers between the functional units
- Side partitions either side of the functional units

Horizontal busbar partitioning
Cat.No 0 208 93/94

Vertical rear busbars partitioning
Cat.No 0 208 84/85

Front panel side partitioning
Cat.No 0 208 68

Form 4b



Connection on the rear terminals is obtained by using:
- Closing partitions for busbars (vertical and horizontal)
- Closing partitions for devices (horizontal and with rear terminals)
- Closing partitions for output terminals
- Closing partitions between cells that are joined together

Horizontal busbar partitioning
Cat.No 0 208 94

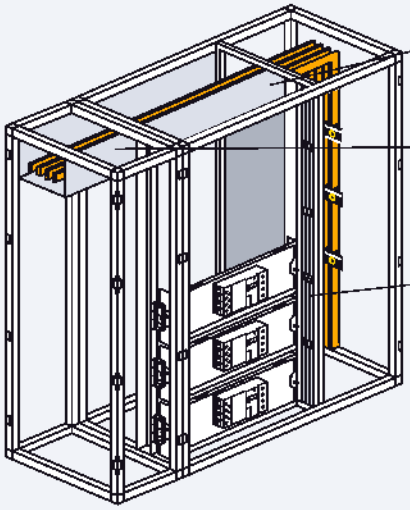
DPX compartment kit
Cat.No 0 208 87/88/89

Front panel side partitioning
Cat.No 0 208 68

Front terminals construction

Form 2b

The vertical busbar is positioned in a cable sleeve then separated from the functional units using a vertical separation kit between the enclosure and the cable sleeve (the cables and flexible bars can be fed through the front part)
Use an L-shaped or U-shaped separation kit for the horizontal busbars
These kits consist of a rear part (height 200 or 300 mm) and a horizontal divider across the whole of the usable depth



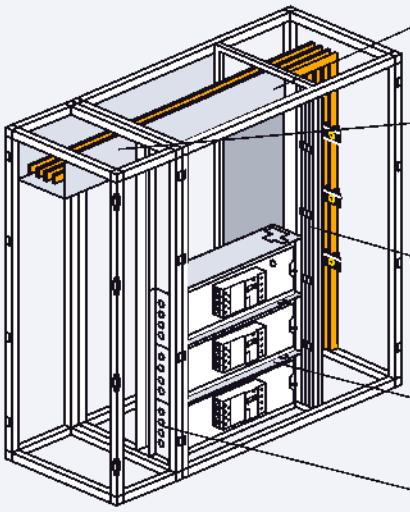
Separation kit for horizontal busbars in enclosure
Cat.Nos 0 205 36/37/38/39

U-shaped separation kit for horizontal busbars in external cable sleeves
Cat.Nos 0 208 73/74/75/86

Vertical separation kit between enclosure or internal/external cable sleeves
Cat.Nos 0 205 33/34/35

Forms 3b, 4a

For form 3b partitioning, it is advisable to start with form 2b and add:
1 - Horizontal dividers between the functional units
2 - Side partitions on either side of the functional units
In 4a form, the outgoing connections must be made within the functional units
Note: When connecting via front terminals, the incoming terminals must be fitted with terminal shield MCBs



Separation kit for horizontal busbars in enclosure
Cat.Nos 0 205 36/37/38/39

U-shaped separation kit for horizontal busbars in external cable sleeves
Cat.Nos 0 208 73/74/75/86

Vertical separation kit between enclosure or internal/external cable sleeves
Cat.Nos 0 205 33/34/35

Horizontal partitioning
Cat.No 0 208 92 or
Cat.No 0 205 92

Side partitions with end pieces
Cat.No 0 205 97/98/99

Plexo³

IP 65 weatherproof cabinets, multifunction sleeves and accessories


6 019 94


6 018 32


6 018 32 + 0 019 17


0 019 55

Technical characteristics **p. 241**

Self-extinguishing: resistance to incandescent wire 650°C. Conform to EN 60439-3. Allows to achieve assemblies conform to IEC 61 439 - 3
Weatherproof cabinets - IP 65 - IK 09 - Class II
Door and cabinet fully reversible. Removable chassis and faceplates from 2-row versions up
2-position rail for modular products and moulded cases. Spacing between rails 150 mm
Can be fitted with perforated plates and solid faceplates for mounting non-modular products
Lockable door handle, sealable cover and faceplate. Shock-resistant polystyrene material
Box colour light grey L750A, cover colour dark grey R746A. Supplied without terminal blocks

Pack	Cat.Nos	Cabinets 2 to 8 modules	Number of rows	Number of modules
6	6 019 32		1	2 (+1)
6	6 019 94		1	4
6	6 019 96		1	6
6	6 019 98		1	8
		Cabinets 12 modules per row	Number of rows	
1	6 018 31		1	
1	6 018 32		2	
1	6 018 33		3	
		Cabinets 18 modules per row	Number of rows	
1	6 018 35		1	
1	6 018 36		2	
1	6 018 37		3	
1	6 018 38		4	
		Multifunction sleeves		
		Supplied with hinges connecting the cover to the back of the cabinet For use with 12 and 18-module cabinets using joining kit Cat.No 0 019 67 Can be fitted with control units and accessories: P17 16 A and 32 A sockets with standard fixing centres, flush-mounted IP 55 Plexo wiring accessories, Osmoz, modular rail at the back of the box		
		Vertical		
1	0 019 17	For 2 rows cabinets		
1	0 019 18	For 3 rows cabinets		

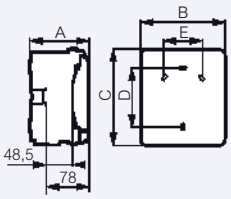
Pack	Cat.Nos	Accessories
		Plexo adaptor
5	0 019 71	For fixing Plexo flush mounting wiring accessories, complete version (p. 548) on Plexo³ cabinets (minimum 2 rows)
		Installation supports for terminal blocks
		Set of 2 supports for mounting additional terminal blocks (p. 180) or empty supports for screw terminal blocks (p. 180) into Plexo³ cabinets
1	0 019 72	For 1 and 2 rows cabinets, 12 and 18 modules per row
1	0 019 73	For 3 and 4 rows cabinets, 12 and 18 modules per row
		Key lock
1	0 019 66	N° 850
		Joining kit
1	0 019 67	Allows cables to be run horizontaly or vertically between 2 cabinets or multifunction sleeves while maintaining IP 65 protection
		Sealing kit
1	0 019 68	Set of 2 sealable terminal shields for cover and 8 sealable supports for faceplate
		Fixing lugs
1	0 019 69	Set of 4 wall mounting lugs for Plexo³ boxes and P17 combined units (p. 328)
		Blanking plates
20	0 019 61	5, separable into modules or 1/2 module Grey R746A
		Direct piercing end caps
1	0 019 55	Pack consisting of 2 Ø32 mm ISO end caps, 5 Ø25 mm ISO end caps and 10 Ø20 mm ISO end caps
		Plain faceplates
2	0 019 64	For 12 modules cabinets
2	0 019 65	For 18 modules cabinets
		Perforated plates
		Allow the DIN rail to be replaced with a LINA 25 plate when integrating non-modular products
2	0 019 62	For 12 modules cabinets, Height 150 mm
2	4 018 53	For 18 modules cabinets, Height 150 mm
		Hinges
2	0 019 70	Set of 2 hinges connecting the back of the cabinet to the cover

IP 2X terminal blocks, and empty supports **p. 180**



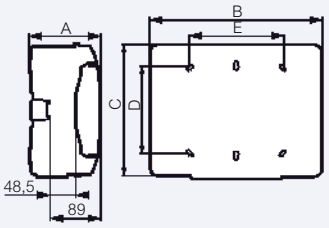
Dimensions

Cabinets 2, 4, 6 and 8 modules



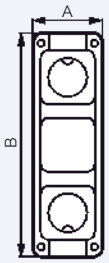
Cat.Nos	Dimensions (mm)				
	A	B	C	D	E
6 019 32	109	93	174	94	-
6 019 94	115.6	128	200	120	-
6 019 96	115.6	164	200	120	70
6 019 98	115.6	200	200	120	106

Cabinets 12 and 18 modules



Cat.Nos	Dimensions (mm)				
	A	B	C	D	E
6 018 31	141	340	282	180	180
6 018 32	161	340	432	330	180
6 018 33	161	340	622	480	180
6 018 35	141	448	282	180	288
6 018 36	161	448	432	330	290
6 018 37	161	448	622	480	290
6 018 38	161	448	822	680	290

Vertical multifunction sleeves



Cat.No	Dimensions (mm)		Number of positions
	A	B	
0 019 17	137	432	3
0 019 18	137	622	4

Number of knockouts on each side

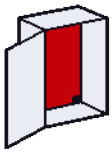
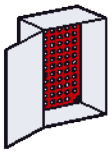
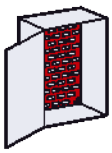
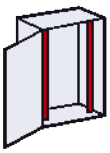
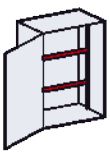
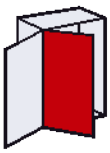
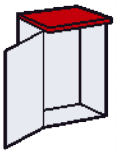
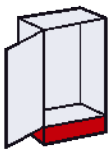
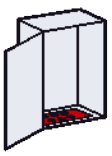
Cat.Nos	Top/bottom			Left/right		
	Ø20 mm	Ø25 mm	Ø32 mm	Ø20 mm	Ø25 mm	Ø32 mm
6 019 32	2	-	-	-	-	-
6 019 94	2	1	-	2	-	-
6 019 96	4	1	-	2	-	-
6 019 98	6	1	-	2	-	-
6 018 31	7	2	2	-	-	2
6 018 32	13	2	2	-	-	3
6 018 33	13	2	2	-	-	4
6 018 35	12	2	3	-	-	2
6 018 36	13	4	3	-	-	3
6 018 37	13	4	3	-	-	4
6 018 38	13	4	3	-	-	5

Atlantic, Atlantic-E and Marina: cabinets and equipment selection chart

EXTERNAL DIMENSIONS				ATLANTIC CABINETS (p. 244)	ATLANTIC-E CABINETS (p. 248)		MARINA CABINETS (p. 250)	
				METAL IP 66 - IK 10 (1 door) IP 55 - IK 10 (2 doors)	METAL IP 66 - IK 10		POLYESTER - IP 66 - IK 10	
				RAL 7035	RAL 7035	RAL 2000	RAL 7035	RAL 7035 with glass door
Shapes	H (mm)	W (mm)	D (mm)					
	300	200	150		0 399 30	9 003 86		
	400	300	150		0 399 34			
	400	300	160	0 355 09(1)				
	500	400	150		0 399 38			
	300	200	160	0 355 00(1) supplied with plain plate			0 362 50	
	400	300	200	0 355 02	0 399 35	9 003 87	0 362 51	0 362 71
	500	400	200	0 355 03	0 399 39	9 003 88	0 362 52	0 362 72
	600	400	200	0 355 04	0 399 42	9 003 89		
	600	500	200		0 399 44	9 003 91		
	700	500	200		0 399 51			
	800	600	200		0 399 54			
	500	400	250	0 355 07	0 399 40			
	600	400	250	0 355 08	0 399 43	9 003 90	0 362 55	0 362 75
	600	500	250		0 399 45			
	700	500	250	0 355 12	0 399 52	9 003 92	0 362 56	0 362 76
	800	600	250	0 355 14	0 399 55	9 003 93		
	1000	600	250	0 355 17				
	1000	800	250	0 355 18	0 399 64			
	700	500	300	0 355 22				
	800	600	300	0 355 23	0 399 56	9 003 94	0 362 61	0 362 81
	1000	600	300	0 355 26	0 399 63			
	1000	800	300	0 355 27	0 399 65	9 003 95	0 362 63	0 362 83
	1200	800	300	0 355 92	0 399 69		0 362 64	0 362 84
	1200	1000	300	0 355 93(2)				
	1400	1000	300	0 355 95(2)				
	800	600	400	0 355 28				
	1000	800	400	0 355 29				
	1200	800	400	0 355 96				
	1400	800	400	0 355 98				
	300	300	150		0 399 31			
	300	300	160	0 355 05(1)				
	300	300	200	0 355 30	0 399 32			
	400	400	200	0 355 31	0 399 36			
	500	500	250	0 355 32	0 399 41			
	600	600	250	0 355 10	0 399 46			
	800	800	250	0 355 15				
	600	600	300	0 355 20				
	800	800	300	0 355 24	0 399 59			
	1000	1000	300	0 355 91(2)				
	1200	1200	300	0 355 94(2)				
	600	600	400	0 355 36				
	1200	1200	400	0 355 97(2)				
	300	400	200	0 355 01	0 399 33			
	400	600	250	0 355 06	0 399 37			
	800	1000	250	0 355 33(2)				
	600	800	300	0 355 21(2)				
	600	1000	300	0 355 37(2)				
	800	1000	300	0 355 34(2)				
	1000	1200	300	0 355 90(2)				

1: Without cable entries plate - 2: 2 doors - 3: Usable area: 800 x 640 mm - 4: Crosspieces to be cut (2 m height) can be used for cabinets width 1000 and 1200 (see p. 258)

EQUIPMENT (p. 256)

Plain plates	Lina 12.5 plates	Perforated plates Lina 25	Sectionned uprights Lina 25	Crosspieces rails ⌴	Insulated modular chassis	Internal doors (+Cat.No 0 363 69 for mounting on Atlantic metal cabinets)	Roofs	Plinths	IP 55 Cabstop plate Direct mounting on Atlantic cabinet opening(5)
									
	0 360 00	0 360 07	0 361 50	-	-	-		-	-
0 360 52	0 360 04	0 360 12	0 361 51	0 367 80	-			-	-
0 360 52	0 360 04	0 360 12	0 361 51	0 367 80		0 363 59(A)(M)			
	0 360 09	0 360 15	0 361 52	0 367 81	-	-	-	-	-
0 360 49(M)	0 360 00(A) 0 360 01(M)	0 360 07(A) 0 360 99(M)	0 361 50(A)						
0 360 52	0 360 04	0 360 12	0 361 51	0 367 80	0 361 01	0 363 59(A)(M)	0 365 51(A)(E)		0 364 94(A)
0 360 55	0 360 09	0 360 15	0 361 52	0 367 81	0 361 02	0 363 60(A)(M)	0 365 52(A)(E)		0 364 95
0 360 56	0 360 22	0 360 16	0 361 53	0 367 81		0 363 61(A)(M)	0 365 52(A)(E)		0 364 95
		-	0 361 53	0 367 82					0 364 95
	0 360 31	0 360 18	0 361 54	0 367 82					0 364 95
	0 360 33	0 360 19	0 361 55	0 367 83					0 364 95
0 360 55	0 360 09	0 360 15	0 361 52	0 367 81		0 363 60(A)(M)	0 365 53(A)(E)		0 364 95
0 360 56	0 360 22	0 360 16	0 361 53	0 367 81	0 361 03	0 363 61(A)(M)	0 365 53(A)(E)		0 364 95
		-	0 361 53	0 367 82			0 365 64(A)(E)		0 364 95
0 360 58	0 360 31	0 360 18	0 361 54	0 367 82	0 361 05	0 363 62(A)(M)	0 362 93(M) 0 365 64(A)(E)		0 364 95(E) 0 364 96(A)
0 360 59	0 360 33	0 360 19	0 361 55	0 367 83		0 363 63(A)(M)	0 365 54(A)(E)		0 364 97
0 360 54	0 360 40	0 360 23	0 361 56	0 367 83					0 364 97
0 360 61	0 360 42	0 360 21	0 361 56	0 367 84		0 363 64(A)(M)			0 364 97
0 360 58	0 360 31	0 360 18	0 361 54	0 367 82		0 363 62(A)(M)			0 364 96
0 360 59	0 360 33	0 360 19	0 361 55	0 367 83	0 361 06	0 363 63(A)(M)	0 362 94(M) 0 365 56(A)(E)	0 362 91(M) 0 363 00(E)	0 364 97
0 360 54	0 360 40	0 360 23	0 361 56	0 367 83			0 365 56(A)(E)	0 363 00(E)	0 364 97
0 360 61	0 360 42	0 360 21	0 361 56	0 367 84	0 361 09	0 363 64(A)(M)	0 362 95(M) 0 365 57(A)(E)	0 362 92 0 363 00(E)	0 364 97
0 360 64	0 360 46	0 360 87	0 361 58	0 367 84	0 361 10	0 363 65(A)(M)	0 362 95(M) 0 365 57(A)(E)	0 362 92 0 363 01(E)	0 364 97
0 360 65	0 360 47	0 360 88	0 361 58	(4)					2 x 0 364 96
0 360 68	0 360 79	0 360 98	0 361 59	(4)					2 x 0 364 96
0 360 59	0 360 33	0 360 19	0 361 55	0 367 83		0 363 63(A)(M)			0 364 97
0 360 61	0 360 42	0 360 21	0 361 56	0 367 84		0 363 64(A)(M)			0 364 97
0 360 64	0 360 46	0 360 87	0 361 58	0 367 84		0 363 65(A)(M)(3)			0 364 97
0 360 67	0 360 75	0 360 90	0 361 59	0 367 84					0 364 97
0 360 69	0 360 02	0 360 91	0 361 50	0 367 80					-
0 360 69	0 360 02	0 360 91	0 361 50	0 367 80					
0 360 69	0 360 02	0 360 91	0 361 50	0 367 80			0 365 51(A)(E)		0 364 94
0 360 70	0 360 05	0 360 92	0 361 51	0 367 81			0 365 52(A)(E)		0 364 95
0 360 71	0 360 14	0 360 93	0 361 52	0 367 82			0 365 64(A)(E)		0 364 95(E) 0 364 96(A)
0 360 57	0 360 24	0 360 17	0 361 53	0 367 83			0 365 54(A)(E)		0 364 97
0 360 60	0 360 34	0 360 20	0 361 55	0 367 84					0 364 97
0 360 57	0 360 24	0 360 17	0 361 53	0 367 83					0 364 97
0 360 60	0 360 34	0 360 20	0 361 55	0 367 84			0 365 57(A)(E)	0 363 01(E)	0 364 97
0 360 63	0 360 43	0 360 25	0 361 56	(4)					2 x 0 364 96
0 360 66	0 360 48	0 360 89	0 361 58	(4)					2 x 0 364 97
0 360 57	0 360 24	0 360 17	0 361 53	0 367 83					0 364 97
0 360 66	0 360 48	0 360 89	0 361 58	(4)					2 x 0 364 97
0 360 52	0 360 04	0 360 11	0 361 50	0 367 81			0 365 52(A)(E)		0 364 95
0 360 56	0 360 22	0 360 13	0 361 51	0 367 83			0 365 54(A)(E)		0 364 97
0 360 61	0 360 42	0 360 94	0 361 55	(4)					2 x 0 364 96
0 360 59	0 360 33	0 360 06	0 361 53	0 367 84					0 364 97
0 360 54	0 360 40	0 360 08	0 361 53	(4)					2 x 0 364 96
0 360 61	0 360 42	0 360 94	0 361 55	(4)					2 x 0 364 96
0 360 65	0 360 47	0 360 10	0 361 56	(4)					2 x 0 364 97

5: Use kit Cat.No 0 364 98 (p. 245) for direct mounting on Marina cabinets - (A) For Atlantic - (E) For Atlantic-E - (M) For Marina

ADDITIONAL PRODUCTS



Hinged glass doors (p. 258)



Kit Cat.No 0 364 98 for mounting Cabstop plate on plain surface (p. 245)



Document pockets (p. 258)



Colring cable ties (p. 272)



Heat regulation (p. 262)



19" wall mounting chassis (p. 258)



Floor fixing with stands (p. 251)



Locking accessories (p. 260)



Marina enclosures RAL 7035 IP 66 - IK 10 (p. 252)

Atlantic metal cabinets

IP 55/IP 66 - IK 10 - Nema 4x - Nema 12



0 355 23



0 355 37

Cabinet and equipment selection chart **p. 256**
Technical characteristics **p. 257**

IP 66 according to standards IEC EN 60529 for 1 doors cabinets
IP 55 according to standards IEC EN 60529 for 2 doors cabinets
IK 10 according to standards IEC EN 62262
LCIE 17 07 90 10A
Nema 4x, 1 door, Nema 12, 2 doors - UL, CSA, Bureau Véritas, TÜV agreements
EMC attenuation 20 dB (for an EMC attenuation from 40 to 50 dB at 1 GHz, please consult us)
Excellent resistance to corrosion and chemical agents
80 µm thick textured polyester coating. Anti-corrosion treatment for hinges and axis
Reversible door - One locking point. Locking with key 2433 A (2 keys supplied)
Up to 300 mm height, fitted with latch for height upper than 300 mm, fitted with lever
Low cable entries RAL 7035
Optional depth regulation for cabinets 400 mm depth Cat.No 0 367 45 (p. 245)

Metal cabinets vertical version

Pack	Cat.Nos	External dimensions (mm) Height x Width x Depth	Number of doors	Weight (kg)
1	0 355 00[1]	300 x 200 x 160	1	4.2
1	0 355 09[2]	400 x 300 x 160	1	6.3
1	0 355 02	400 x 300 x 200	1	6.5
1	0 355 03	500 x 400 x 200	1	9.7
1	0 355 04	600 x 400 x 200	1	10.7
1	0 355 07	500 x 400 x 250	1	10.7
1	0 355 08	600 x 400 x 250	1	12
1	0 355 12	700 x 500 x 250	1	16.5
1	0 355 14	800 x 600 x 250	1	18.8
1	0 355 17	1000 x 600 x 250	1	24
1	0 355 18	1000 x 800 x 250	1	36.4
1	0 355 22	700 x 500 x 300	1	23
1	0 355 23	800 x 600 x 300	1	28.8
1	0 355 26	1000 x 600 x 300	1	33.3
1	0 355 27	1000 x 800 x 300	1	42
1	0 355 92	1200 x 800 x 300	1	49.6
1	0 355 93	1200 x 1000 x 300	2	62.2
1	0 355 95	1400 x 1000 x 300	2	71
1	0 355 28	800 x 600 x 400	1	31
1	0 355 29	1000 x 800 x 400	1	45
1	0 355 96	1200 x 800 x 400	1	57
1	0 355 98	1400 x 800 x 400	1	64

Metal cabinets square version

Pack	Cat.Nos	External dimensions (mm) Height x Width x Depth	Number of doors	Weight (kg)
1	0 355 05[2]	300 x 300 x 160	1	4.1
1	0 355 30	300 x 300 x 200	1	4.2
1	0 355 31	400 x 400 x 200	1	7.7
1	0 355 32	500 x 500 x 250	1	11.5
1	0 355 10	600 x 600 x 250	1	16.3
1	0 355 15	800 x 800 x 250	1	21.6
1	0 355 20	600 x 600 x 300	1	21.1
1	0 355 24	800 x 800 x 300	1	34.2
1	0 355 91	1000 x 1000 x 300	2	53
1	0 355 94	1200 x 1200 x 300	2	70
1	0 355 36	600 x 600 x 400	1	28
1	0 355 97	1200 x 1200 x 400	2	77

Metal cabinets horizontal version

Pack	Cat.Nos	External dimensions (mm) Height x Width x Depth	Number of doors	Weight (kg)
1	0 355 01	300 x 400 x 200	1	6.5
1	0 355 06	400 x 600 x 250	1	11.7
1	0 355 33	800 x 1000 x 250	2	27
1	0 355 21	600 x 800 x 300	2	28.8
1	0 355 37	600 x 1000 x 300	2	32
1	0 355 34	800 x 1000 x 300	2	33.3
1	0 355 90	1000 x 1200 x 300	2	62.2

Roofs RAL 7035

Steel
Possible adjustment ± 20 mm (front or back)

Pack	Cat.Nos	For cabinets Width (mm)	Depth (mm)	Weight (kg)
1	0 365 51	300	200	1.2
1	0 365 52	400	200	1.4
1	0 365 53	400	250	1.8
1	0 365 64	500	250	2
1	0 365 54	600	250	2.5
1	0 365 56	600	300	3
1	0 365 57	800	300	3.6

Lighting kit

Pack	Cat.Nos	
1	0 363 12	Supplied with 8 W fluorescent tube, Ø16 mm 230 V - 50 Hz Class I - IP 20 - 600 lumens Electromagnetic compatibility according to EN 55015 Equipped with a switch Connection on terminal block Dim.: 320 x 61 x 32 mm

1: With no opening supplied with plain pates
2: With no opening

Door contact
p. 258

Plain plates, Lina 12.5 and Lina 25 perforated plates, **p. 256**



Equipment for Atlantic metal cabinets



0 355 93 with Cabstop plate Cat.No 0 364 96 and mounting kit Cat.No 0 364 98



0 367 35 with rail Cat.No 0 367 82 (p. 258)



0 329 46



0 347 95



Touch-up brush 0 365 91



0 364 01



0 329 47



0 364 04

Cabinet and equipment selection chart **p. 242-243**
Technical characteristics **p. 246**

Cabstop open-work plate IP 55

Cable entries consisting of a cable clamp providing the mechanical grip, and elastomer areas for weatherproofing
Can be pierced using the cable (no tool required)
Fits the cable perfectly
Replacement of a cable possible
Fire retardant polypropylene RAL 7035
2 possibilities of mounting:
- direct on cable entry of Atlantic, Atlantic-E or Marina cabinets
- on flat surface with kit Cat.No 0 364 98

Supplied with:
- locking caps for sealing a pierced entry providing IP 55 protection
- cable release tool

Pack	Cat.Nos	Number of entries Ø5 to 14	Number of entries Ø14 to 24	Number of spare entries	Direct mounting on cable entry of cabinet width (mm)
1	0 364 94	13	1	-	300
1	0 364 95	13	1	1	400
1	0 364 96	28	2	1	500-1000
1	0 364 97	28	2	2	600-800-1200

1 | 0 364 98 | Kit for mounting Cabstop plate on plain plate
Enables mounting of 2 Cabstop plates:
Cat.Nos 0 364 94 or 95 and 0 364 96 or 97
IP 55 maintained

Cable entries for Atlantic cabinets 600 or 800 mm width

1 | 0 329 46 | IP 43 cable entry plate with brush (cable feed-through 385 x 30 mm)

1 | 0 329 47 | IP 55 multi-entry cable entry plate with cable glands
Supplied with 12 ISO 32 cable glands
The cable glands take 4 UTP/FTP/SFTP cables (Ø6.5 to 9.5 mm) per cable gland
Cords with connectors can be fed through without having to dismantle the cable gland
Usable interior Ø25.5 mm
Supplied with blanking plates for unused entries

Protective conductor

Earth braid

Pack	Cat.Nos	Capacity (mm²)	Fixing spacing (mm)	Ø of holes (mm)
20	0 347 95	6	200	8.5
20	0 347 96	16	200	8.5
10	0 347 97	30	200	8.5

Green/yellow wire

Pack	Cat.Nos	Capacity (mm²)	Fixing spacing (mm)	Ø of holes (mm)
20	0 363 95	6	200	6.5

Paint touch-up

Aerosol paint spray

1 | 0 365 97 | RAL 7035

Touch-up brush
For protecting the sheet metal after cutting
Anti-corrosion paint

10 | 0 365 91 | RAL 7035
Other colours on request

Temporary marking

10 | 0 395 99 | Water-soluble marker pen

Accessories

Set of 4 slides for depth adjustment

1 | 0 367 45 | For 400 mm depth cabinets

Wall-mounting lugs (set of 4)

1 | 0 364 01 | For load up to 300 kg
Horizontal or vertical installation
With a roof, horizontal installation only
Zamak RAL 7035
Supplied with cover finish

1 | 0 364 04 | For load up to 300 kg
Horizontal or vertical installation
Anti-corrosion steel treatment

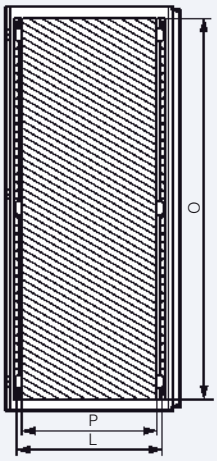
Attachment lugs for rail ⌙

5 | 0 367 35 | Supplied with M6 screws
Set of 2
Used to attach the 15 mm depth symmetric rail ⌙ on door profile strand-holder

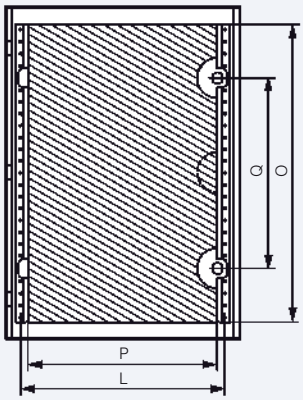
Usable dimensions

Doors

2 doors



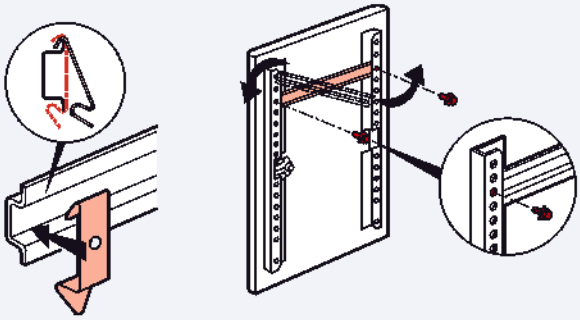
1 door



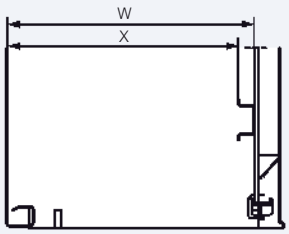
Cat.Nos	Cabinets		Door usable dimensions		Lock positions	Strand-holder fixing centres
	Height (mm)	Width (mm)	Height O (mm)	Width P (mm)	Q (mm)	L (mm)
0 355 00	300	200	251	148	(1)	(3)
0 355 05/30	300	300	251	248	(1)	(3)
0 355 01	300	400	251	348	(1)	(3)
0 355 02/09	400	300	351	248	(1)	(3)
0 355 31	400	400	351	348	(1)	(3)
0 355 06	400	600	325	500	(1)	530
0 355 03/07	500	400	425	300	(1)	330
0 355 32	500	500	425	400	(1)	430
0 355 04/08	600	400	525	300	350(2)	330
0 355 10/20/36	600	600	525	500	350(1)	530
0 355 21	600	800	525	300 x 2	(1)	330
0 355 37	600	1000	525	400 x 2	(1)	430
0 355 12/22	700	500	625	400	400(2)	430
0 355 14/23/28	800	600	725	500	500(2)	530
0 355 15/24	800	800	725	700	500(2)	730
0 355 33/34	800	1000	725	400 x 2	(1)	430
0 355 17/26	1000	600	925	500	(1)	530
0 355 18/27/29	1000	800	925	700	(1)	730
0 355 91	1000	1000	925	400 x 2	(1)	430
0 355 90	1000	1200	925	500 x 2	(1)	530
0 355 92/96	1200	800	1125	700	(1)	730
0 355 93	1200	1000	1125	400 x 2	(1)	430
0 355 94/97	1200	1200	1125	500 x 2	(1)	530
0 355 98	1400	800	1325	700	(1)	730
0 355 95	1400	1000	1325	400 x 2	(1)	430

1: Central lock
2: Top and bottom lock
3: Without strand-holder

Fixing on door of a symmetrical rail ⌙ depth 15 mm with Cat.No 0 367 35



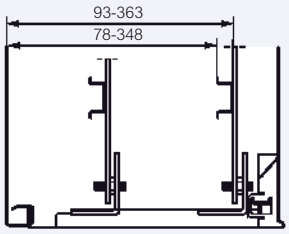
Usable depth



Cabinets	Back of cabinet	
Depth (mm)	W (mm)	X (mm)
160	140	125
200	180	165
250	230	215
300	280	265
400	380	365

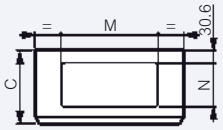
Adjustment of equipment (optional) with slides

Cat.No 0 367 45
For 400 mm depth cabinets

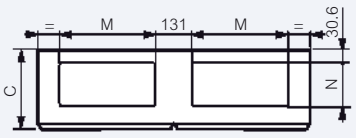


Cable entries

Cabinets width ≤ 800 mm



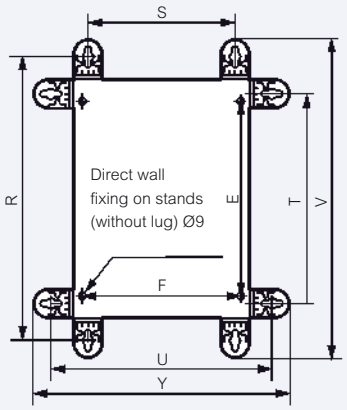
Cabinets width ≥ 1000 mm



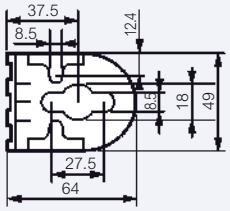
Cabinets (mm)		Dimensions of cable entries (mm)		
Width	Depth	C	M	N
200	160	170	-	-
300	200	210	169	115
400	200	210	269	115
400	250	260	269	115
500	250	260	369	150
500	300	310	369	150
600	250	260	469	150
600	300	310	469	150
600	400	410	469	150
800	250	260	469	150
800	300	310	469	150
800	400	410	469	150
1000	250	260	369	150
1000	300	310	369	150
1200	300	310	469	150
1200	400	410	469	150

Usable dimensions

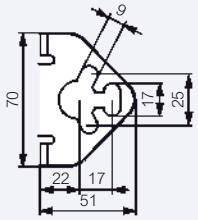
Fixing



Cat.No 0 364 01



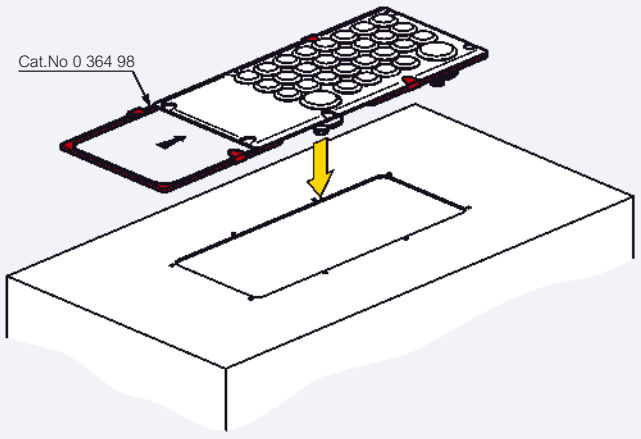
Cat.No 0 364 04



Cabinets		Vertical lugs		Mounting centres	Horizontal lugs		Mounting centres	Overall 0 364 01		Overall 0 364 04	
H (mm)	W (mm)	R (mm)	S[1] (mm)	E (mm)	T[1] (mm)	U (mm)	F (mm)	V (mm)	Y (mm)	V (mm)	Y (mm)
300	200	375	150	225	250	275	169	430	330	402	302
300	300	375	250	225	250	375	269	430	430	402	402
300	400	375	350	225	250	475	369	430	530	402	502
400	300	475	250	325	350	375	269	530	430	502	402
400	400	475	350	325	350	475	369	530	530	502	502
400	600	475	550	325	350	675	569	530	730	502	702
500	400	575	350	425	450	475	369	630	530	602	502
500	500	575	450	425	450	575	469	630	630	602	602
600	400	675	350	525	550	475	369	730	530	702	502
600	600	675	550	525	550	675	569	730	730	702	702
600	800	675	750	525	550	875	769	730	930	702	902
600	1000	675	950	525	550	1075	969	730	1130	702	1102
700	500	775	450	625	650	575	469	830	630	802	602
800	600	875	550	725	750	675	569	930	730	902	702
800	800	875	750	725	750	875	769	930	930	902	902
800	1000	875	950	725	750	1075	969	930	1130	902	1102
1000	600	1075	550	925	950	675	569	1130	730	1102	702
1000	800	1075	750	925	950	875	769	1130	930	1102	902
1000	1000	1075	950	925	950	1075	969	1130	1130	1102	1102
1000	1200	1075	1150	925	950	1275	1169	1130	1330	1102	1302
1200	800	1275	750	1125	1150	875	769	1330	930	1302	902
1200	1000	1275	950	1125	1150	1075	969	1330	1130	1302	1102
1200	1200	1275	1150	1125	1150	1275	1169	1330	1330	1302	1302
1400	800	1475	750	1325	1350	875	769	1530	930	1502	902
1400	1000	1475	950	1325	1350	1075	969	1530	1130	1502	1102

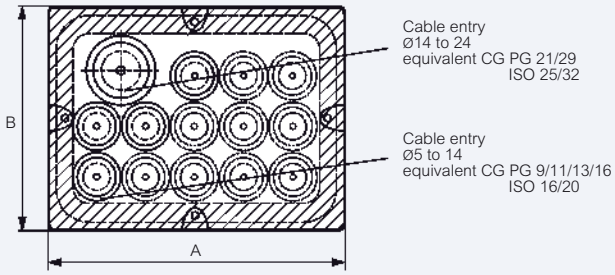
1: Same mounting centres for Cat.Nos 0 364 01 and 0 364 04

Assembly kit on plane surface for Cabstop plate



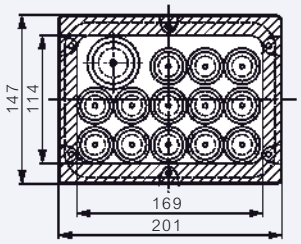
Cabstop plate

- Tensile resistance: 15 kg minimum
- Operating temperature: – 20 °C to + 65 °C
- ASTM No 3 resistance to cutting oil
- Resistance to incandescent wire: 750 °C according to IEC EN 60695-2-11



Dimensions

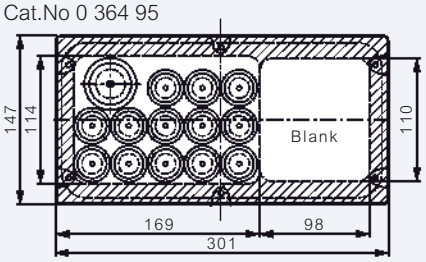
Cat.No 0 364 94



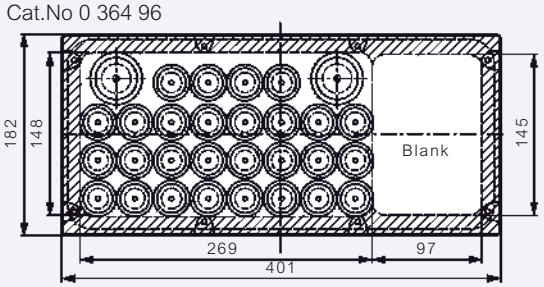
Side view
0 364 94/95



Cat.No 0 364 95



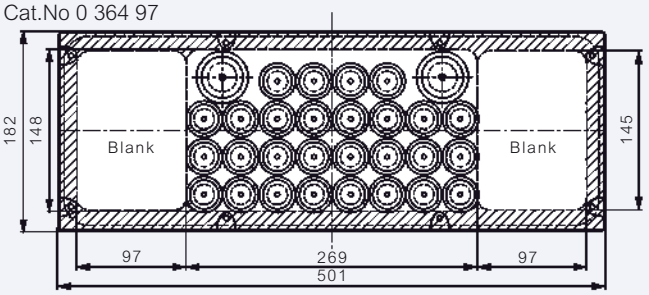
Cat.No 0 364 96



Side view
0 364 96/97



Cat.No 0 364 97



Atlantic-E weatherproof metal cabinets

IP 66 - IK 10


0 399 30


0 399 35


9 003 87


0 365 53

Cabinet and equipment selection chart **p. 242-243**
Technical characteristics **p. 249**

Metal cabinets

IP 66 - IK 10 according to IEC EN 60529
Supplied with: galvanized plain mounting plate (removable), earth connection braid and wall mounting lugs
Reversible door
Supplied with one double bar lock up to 500 x 500 x 250 mm and 2 double bar lock from 600 x 400 x 150 mm
Removable cable entries plate
Can be equipped with Cabstop plates (p. 245)
Can be equipped with Lina 12.5 and Lina 25 perforated plates, sectionned uprights, DIN rail or chassis with insulating faceplates (p. 256, 258, 259)
80 µ thick textured polyester coating

Grey RAL 7035

Pack	Cat.Nos	Dimensions (mm) Height	Width	Depth	Weight (kg)
1	0 399 30	300	200	150	4.5
1	0 399 31	300	300	150	4.7
1	0 399 32	300	300	200	4.8
1	0 399 33	300	400	200	6.7
1	0 399 34	400	300	150	6.25
1	0 399 35	400	300	200	6.7
1	0 399 36	400	400	200	10.5
1	0 399 37	400	600	250	13.5
1	0 399 38	500	400	150	11
1	0 399 39	500	400	200	11.5
1	0 399 40	500	400	250	12
1	0 399 41	500	500	250	12.5
1	0 399 42	600	400	200	13
1	0 399 43	600	400	250	13.5
1	0 399 44	600	500	200	16
1	0 399 45	600	500	250	16.5
1	0 399 46	600	600	250	17
1	0 399 51	700	500	200	20
1	0 399 52	700	500	250	21
1	0 399 54	800	600	200	27
1	0 399 55	800	600	250	30
1	0 399 56	800	600	300	31.7
1	0 399 59	800	800	300	33.5
1	0 399 63	1000	600	300	48
1	0 399 64	1000	800	250	49.5
1	0 399 65	1000	800	300	52
1	0 399 69	1200	800	300	62

Orange RAL 2000

Pack	Cat.Nos	Height	Width	Depth	Weight (kg)
1	9 003 86	300	200	150	4.5
1	9 003 87	400	300	200	6.7
1	9 003 88	500	400	200	11.5
1	9 003 89	600	400	200	13
1	9 003 90	600	400	250	13.5
1	9 003 91	600	500	200	16
1	9 003 92	700	500	250	21
1	9 003 93	800	600	250	30
1	9 003 94	800	600	300	31.7
1	9 003 95	1000	800	300	52

Plinths RAL 7021

Height 200 mm
Front and rear trap door

Pack	Cat.Nos	For cabinets Width (mm)	Depth (mm)	Weight (kg)
1	0 363 00	600	300	6
1	0 363 01	800	300	6.7

Roofs RAL 7035

Steel
Possible adjustment ± 20 mm (front or back)

Pack	Cat.Nos	For cabinets Width (mm)	Depth (mm)	Weight (kg)
1	0 365 51	300	200	1.2
1	0 365 52	400	200	1.4
1	0 365 53	400	250	1.8
1	0 365 64	500	250	2
1	0 365 54	600	250	2.5
1	0 365 56	600	300	3
1	0 365 57	800	300	3.6

Wall mounting lugs (set of 4)

Pack	Cat.Nos	
1	0 364 01	For load up to 300 kg Horizontal or vertical installation With a roof, horizontal installation only Zamak RAL 7035 Supplied with cover finish

Lighting kit

Pack	Cat.Nos	
1	0 363 12	Supplied with 8 W fluorescent tube, Ø16 mm 230 V - 50 Hz Class I - IP 20 - 600 lumens Electromagnetic compatibility according to EN 55015 Equipped with a switch Connection on terminal block Dim.: 320 x 61 x 32 mm

Metal rebate locks

Pack	Cat.Nos	
10	0 399 80	Square female 6 mm
10	0 399 81	Triangle male 8 mm

Key barrels

Supplied with set of 2 keys
For key No

Pack	Cat.Nos	
10	0 399 86	405
10	0 399 87	455
10	0 399 88	2433 A
10	0 365 45	Set of two 2433 A keys

Metal keys for rebate locks

Pack	Cat.Nos	
10	0 365 35	Square female 6 mm
10	0 365 40	Triangle male 8 mm

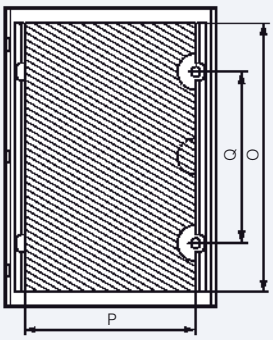
Cabstop plates, **p. 245**



Atlantic-E weatherproof metal cabinets

IP 66 - IK 10

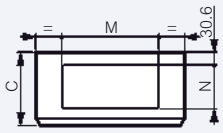
Doors: dimensions usable area



1: Central lock
2: Top and bottom lock

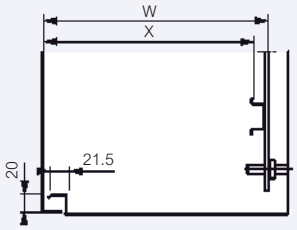
Enclosures H x W (mm)	Door usable space Height O (mm)	Width P (mm)	Area (dm²)	Locking position Q (mm)
300 x 200	251	80	2.0	(1)
300 x 300	251	180	4.5	(1)
300 x 400	251	280	7.0	(1)
400 x 300	351	180	6.3	(1)
400 x 400	351	280	9.8	(1)
400 x 600	351	480	16.8	(1)
500 x 400	425	280	11.9	(1)
500 x 500	425	380	16.1	(1)
600 x 400	525	280	14.7	350(2)
600 x 500	525	380	19.9	350(2)
600 x 600	525	480	25.2	350(2)
700 x 500	625	380	23.7	450(2)
800 x 600	725	480	36.0	550(2)
800 x 800	725	680	49.3	550(2)
1000 x 600	925	480	44.4	750(2)
1000 x 800	925	680	62.9	750(2)
1200 x 800	1125	680	76.5	950(2)

Cable entry plate



Cabinets (mm) W	D	Overall depth C	Dimensions of cable entries (mm) M	N
200	150	155	116.5	62.5
300	150	155	116.5	62.5
300	200	205	116.5	62.5
400	150	155	116.5	62.5
400	200	205	266.5	112.5
400	250	255	266.5	112.5
500	200	205	266.5	112.5
500	250	255	266.5	112.5
600	200	205	266.5	112.5
600	250	255	466.5	147.5
600	300	305	466.5	147.5
800	250	255	466.5	147.5
800	300	305	466.5	147.5

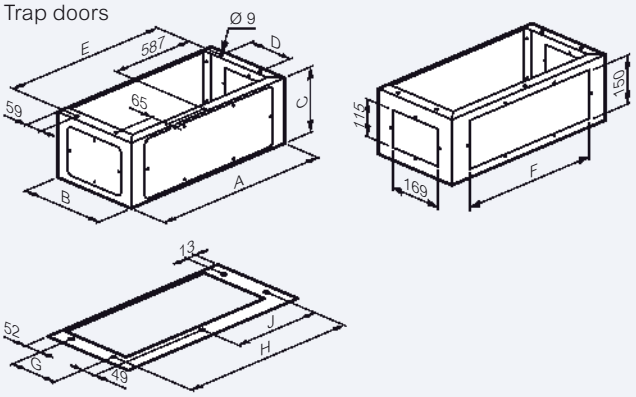
Usable depth



Enclosures depth (mm)	Back of enclosures W (mm)	X (mm)
150	130	115
200	180	165
250	230	215
300	280	265

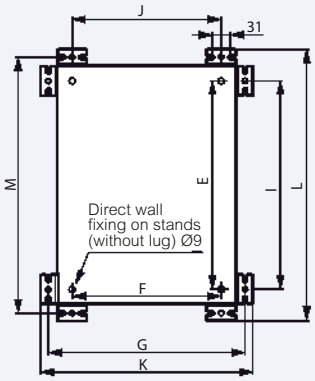
Plinths

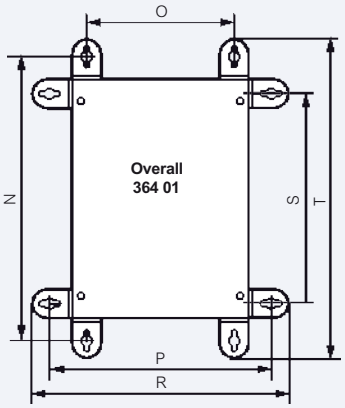
Trap doors



Cat.Nos	Cabinets W x D (mm)	A	B	C	D	E	F	G	H	J
0 363 00	600 x 300	600	280	200	150	574	469	150	542	271
0 363 01	800 x 300	800	280	200	150	774	469	150	742	371

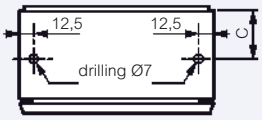
Fixing dimensions





Cabinets H (mm)	W (mm)	Vertical lugs M (mm)	J (mm)	Mounting centres E (mm)	Horizontal lugs I (mm)	G (mm)	Mounting centres F (mm)	Overall L (mm)	K (mm)	Overall 0 364 01 T (mm)	R (mm)	Vertical lugs N (mm)	O (mm)	Horizontal lugs P (mm)	S (mm)
300	200	330	150	250	250	230	150	356	256	430	330	375	150	275	250
300	300	330	250	250	250	330	250	356	356	430	430	375	250	375	250
300	400	330	350	250	250	430	350	356	456	430	530	375	350	475	250
400	300	430	250	350	350	330	250	456	356	530	430	475	250	375	350
400	400	430	350	350	350	430	350	456	456	530	530	475	350	475	350
400	600	430	550	350	350	530	550	456	656	530	730	475	550	575	350
500	400	530	350	450	450	430	350	556	456	630	530	575	350	475	450
500	500	530	450	450	450	530	450	556	556	630	630	575	450	575	450
600	400	630	350	550	550	430	350	656	456	730	530	675	350	475	550
600	500	630	450	550	550	530	450	656	556	730	630	675	450	575	550
600	600	630	550	550	550	630	550	656	656	730	730	675	550	675	550
700	500	730	450	650	650	530	450	756	556	830	630	775	450	575	650
800	600	830	550	750	750	630	650	856	656	930	730	875	550	675	750
800	800	830	750	750	750	830	750	856	856	930	930	875	750	875	750
1000	600	1030	550	950	950	630	550	1056	656	1130	730	1075	550	675	950
1000	800	1030	750	950	950	830	750	1056	856	1130	930	1075	750	875	950
1200	800	1230	750	1150	1150	830	750	1256	856	1330	930	1275	750	875	1150

Roofs fixing



Cat.Nos	C (mm)
0 365 51/52	100
0 365 53/54/64	125
0 365 56/57	150

Enclosures for all corrosive environments

Designed in fibreglass reinforced polyester, these enclosures are particularly suitable for corrosive environments: petrochemical, food processing industries and provide excellent UV resistance.



Marina enclosures p. 252



Marina cabinets p. 250

DISCOVER THE RANGE

- Fiber glass reinforced polyester cabinets
- IP 66 - IK 10
- Class II (used to create totally isoled assemblies
- 8 sizes of cabinets and 3 sizes of enclosures from 300 x 220 x 160 mm to 1800 x 800 x 400 mm
- Equipment fixed directly at the back of the cabinets thanks to a complete range of accessories

Marina cabinets

polyester - IP 66 - IK 10



0 362 56



0 362 76

Cabinet and equipement selection chart **p. 242-243**
Technical characteristics **p. 254**

IP 66 according to IEC EN 60529
LCIE n°60059283-560528
IK 10 according to IEC EN 62262 (EN 50102)
Class II (used to create totally isoled assemblies acc. to EN 60439-1 and assemblies for photovoltaic installations acc. to UTE C15-712-1)
Fiber glass reinforced polyester
Self-extinguisting 960°C acc. to IEC EN 60695-2-11
Adapted to corrosive environment and different weather conditions
Reversible door, opening 180°, (except Cat.No 0 362 50)
Stainless steel hinge pins (except Cat.No 0 362 50)
2 double bar lock (1 lock for Cat.No 0 362 50)
Direct fixing of equipment at bottom of cabinet (screws supplied)
Possible to fit a partial plate from 500 x 400 x 200 mm and/or rails on intermediate studs (except for Cat.No 0 362 50)
Optional depth adjustment from height 400 x width 300 mm with Cat.No 0 362 42

RAL 7035 cabinets

Pack	Cat.Nos	External dimensions (mm) Height x Width x Depth	Corresponding metal cabinets (mm) Height x Width x Depth
1	0 362 50	300 x 220 x 160	300 x 200 x 160
1	0 362 51	400 x 300 x 206	400 x 300 x 200
1	0 362 52	500 x 400 x 206	500 x 400 x 200
1	0 362 55	610 x 400 x 257	600 x 400 x 250
1	0 362 56	720 x 510 x 250	700 x 500 x 250
1	0 362 61	820 x 610 x 300	800 x 600 x 300
1	0 362 63	1020 x 810 x 300	1000 x 800 x 300
1	0 362 64	1220 x 810 x 300	1200 x 800 x 300

RAL 7035 cabinets with glass door

Coloured toughened glass

		External dimensions (mm) Height x Width x Depth	Window dimensions (mm) Height x Width
1	0 362 71	400 x 300 x 206	235 x 145
1	0 362 72	500 x 400 x 206	335 x 245
1	0 362 75	610 x 400 x 257	463 x 245
1	0 362 76	720 x 510 x 250	570 x 272
1	0 362 81	820 x 610 x 300	672 x 372
1	0 362 83	1020 x 810 x 300	770 x 495
1	0 362 84	1220 x 810 x 300	970 x 495

Plastic industrial boxes
p. 562

Heat regulation for cabinets and enclosures
p. 262

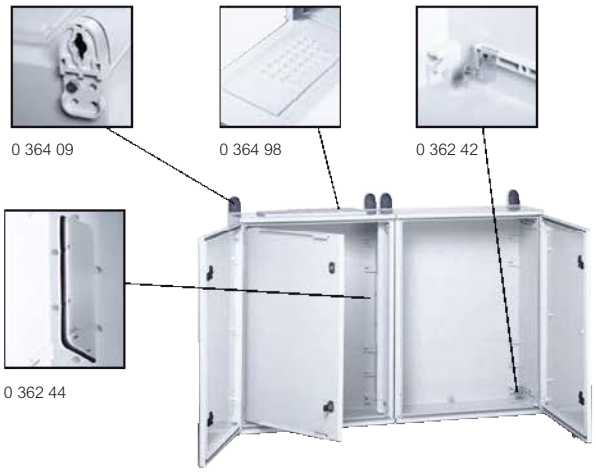
Equipment for Marina cabinets



0 362 63
with plinth Cat.No 0 362 92
and roof Cat.No 0 362 95



0 362 56
on stand Cat.No 0 364 36
and cross-pieces
Cat.No 0 364 39



Example of cabinets Cat.No 0 362 61 associated and equipped:
- Lugs Cat.No 0 364 09
- Internal door Cat.No 0 363 63 (p. 259)
- Cabstop plate + kit Cat.No 0 364 98 (p. 245)
- Twin kit Cat.No 0 362 44
- Depth adjustment kit Cat.No 0 362 42

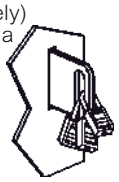
Cabinet and equipement selection chart **p. 242-243**
Technical characteristics **p. 254**

Pack	Cat.Nos	**Plinths RAL 7035**
		Height 170 mm Front and rear trap door Possibility to overlap 2 plinths
1	0 362 91	For cabinets Cat.Nos 0 362 61/81
1	0 362 92	For cabinets Cat.Nos 0 362 61/64/83/84
		Roofs RAL 7035
1	0 362 93	For cabinets Cat.Nos 0 362 56/76
1	0 362 94	For cabinets Cat.Nos 0 362 61/81
1	0 362 95	For cabinets Cat.Nos 0 362 61/64/83/84
		Fixing accessories
		IP 66 maintained
		Wall mounting lugs
		Set of 4, supplied with screws
1	0 364 08	For cabinets height 300 mm. For 100 kg load
1	0 364 09	For cabinets height 400 and 1200 mm. For 150 kg load
		Rear with threaded rod
10	0 362 40	M8 for cabinets height ≥ 400 mm Mounting at back of cabinets
		On ground
		Stand comprised of 2 feet for fixing cabinets high up Supplied with cabinet fixing screws Hot galvanized steel Conform to EN 50125-3 (railway applications, fixed installations)
1	0 364 36	For cabinets height 400 to 800 mm
1	0 364 37	For cabinets height 1000 to 1200 mm
1	0 364 39	Anti-tipping cross-pieces Option of fitting casters Cat.No 0 464 83 (p. 701)

Pack	Cat.Nos	**Accessories**
1	0 362 42	Depth adjustment kit for cabinets depth ≥ 200 mm, for plate or uprights (p. 258) Set of 4 lugs, supplied with screws
10	0 394 49	Set of 2 supports for 45° rail slope Supplied with 4 M6 screws, nuts and washers
1	0 364 98	Kit for mounting Cabstop plate on plain plate Enables mounting of 2 Cabstop plates: Cat.Nos 0 364 94 or 95, and 0 364 96 or 97 IP 55 maintained
1	0 362 44	Twin kit (horizontal or vertical) for cabinets ≥ 500 mm height Comprising: - 1 frame for cable crossing and weather proofing - 2 linking pieces for fixing lugs (Cat.No 0 364 09 to be ordered separately)
1	0 365 13	Padlock adaptor stainless steel for Marina cabinets height ≥ 400 mm additional to latches Takes 3 padlocks Ø6 max.







Marina enclosures

polyester - IP 66 - IK 10



0 362 85



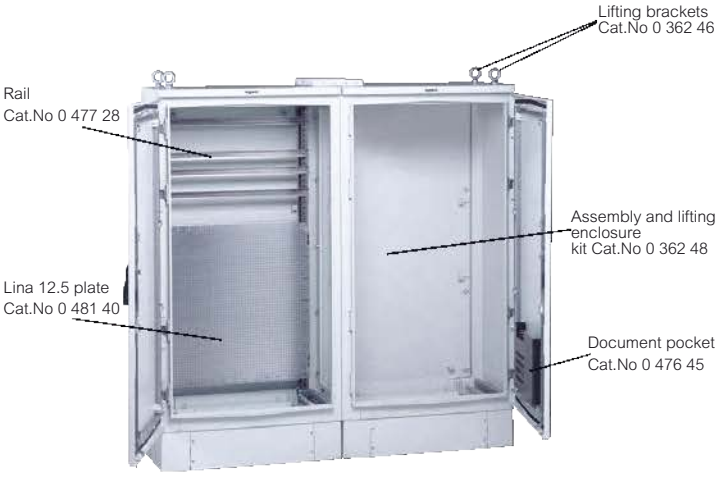
0 362 86 with plinth Cat.No 0 362 96
internal door Cat.No 0 363 67
and roof Cat.No 0 362 97

Technical characteristics **p. 254**

IP 66 acc. to IEC EN 60529
LCIE n° 60059283-560528
IK 10 acc. to EN 62262 (EN 50102)
Class II (Used to create totally isolated assemblies acc. to EN 60439-1)
Fiberglass reinforced polyester
Self-extinguishing 960°C acc. to IEC EN 60695-2-11
Adapted to corrosive environment
Supplied with fixing kit for plain plates or sectionned uprights
Depth adjustment of equipment
Equipped with low cable entries plate
Reversible door with strand-holder
3 point closing with handle fitted with 1/2 locking latch 2433 A (other key code, please consult us)
Stainless steel hinges and hinges axis

Pack	Cat.Nos	**Enclosures RAL 7035**	External dimensions (mm) Height x Width x Depth	Corresponding metal enclosures (mm) Height x Width x Depth
1	0 362 85		1460 x 800 x 463	1400 x 800 x 400
1	0 362 86		1660 x 800 x 463	1600 x 800 x 400
1	0 362 87		1860 x 800 x 463	1800 x 800 x 400
1	0 362 96	**Plinth RAL 7035** Height 170 mm Front and rear trap door Possibility to overlap 2 plinths For enclosure width 800 x depth 400 mm		
1	0 362 97	**Roof RAL 7035** For enclosure width 800 x depth 400 mm		

Equipment for Marina enclosures



Example of 2 enclosures Cat.No 0 362 85 on plinth Cat.No 0 362 96, associated and equipped

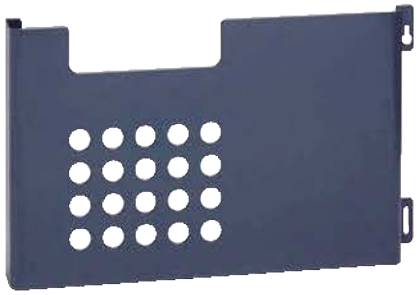
Pack	Cat.Nos	**Equipment**	For enclosures Height x Width (mm)	Net weight (kg)
		Plain plates Galvanized steel. Pre-marked pitch 100 mm Admissible load: 200 kg/m²		
1	0 349 59		1400 x 800	27
1	0 349 50		1600 x 800	30.5
1	0 344 18		1800 x 800	34
		Lina 12.5 plates Galvanized steel With drilling for fixing equipment without marking Automatic bracket: - Ø6.5 mm for plastic rivet Cat.No 0 366 44 (trunking) - Ø3.3 mm for equipment with screw Cat.No 0 347 45 For installation of Cat. No 0 481 40/43, use Lina 25 sectioned uprights (p. 258) Cat. No 0 364 08 can be fixed directly on the back of the enclosure (1400 mm height enclosures) Admissible load: 150 kg/m²		
			Plates Height x Width (mm)	Net weight (kg)
1	0 481 40		800 x 800	5.9
1	0 481 43		1000 x 800	7.6
1	0 346 08		1400 x 800	14.6
		Lina 25 perforated plates Zinc steel For mounting with sectionned uprights (except plain plate Cat.No 0 346 09) Admissible load: 50 kg/m2		
			Plates Height x Width (mm)	Net weight (kg)
1	0 474 90		800 x 800	3.9
1	0 474 95		1000 x 800	5
1	0 346 09		1400 x 800	6.7

Pack	Cat.Nos	**Internal doors RAL 7035**	For cabinets Height x Width (mm)	Door dim. (mm) Height x Width	Door usable dim. (mm) Height x Width
		IP xxB steel. Textured polyester coated steel Double bar lock. Take key barrels and other knockouts (p. 260) Distance between enclosure door and internal door 78 mm Right or left opening, handle included			
1	0 363 66		1400 x 800	1280 x 675	1200 x 580
1	0 363 67		1600 x 800	1480 x 675	1400 x 580
1	0 363 68		1800 x 800	1680 x 675	1600 x 580

Equipment for Marina enclosures (continued)



0 374 02





0 362 46

0 476 45

Pack	Cat.Nos	
		Screws
500	0 366 44	Rivet reinforced plastic Ø6 mm for drilling Ø6.5 mm
100	0 347 45	Screw head H 4.8 x 16 mm self-drilling, self-tapping for Ø3.3 mm
200	0 347 50	Screw caps for isolation of screw head Cat.No 0 347 45 inside the trunking
		Sectionned uprights
		For ⌙ Lina 25 rail, ⊏ rail and Lina 12.5 or Lina 25 plates Set of 2 uprights galvanized steel
		For enclosures Height (mm) / Length (mm)
1	0 363 90	1400 / 1284
1	0 363 91	1600 / 1484
1	0 363 92	1800 / 1684
		Rails
		Lina 25 rail Galvanized steel For enclosures width 800 mm
5	0 477 28	⌙ 15 mm depth
		Rail to be cut
10	0 374 02	⊏ EN 60715
		Lifting accessories
1	0 362 46	Lifting brackets M14 Set of 4 brackets for max. load 500 kg/m³ Supplied with blanking plates
1	0 362 48	Assembly and lifting enclosures kit: - 2 support brackets - screws - weatherproof seal For 500 kg/m³ lifting, order separately one set of 4 brackets Cat.No 0 362 46
		Metal document holder (for plans)
1	0 476 45	RAL 7012. Fixed on door width 800 mm Internal dimensions: W. 425 x H. 275 x D. 50 mm

ADDITIONAL SOLUTIONS AVAILABLE ON REQUEST

Solutions for specific applications

Atlantic stainless steel cabinets, Axis control consoles or Altis enclosures, three ranges available on request or made to measure for specific environments or for local control of industrial processes



Altis automation enclosure



Atlantic stainless steel cabinets



Atlantic Axis control consoles

CUSTOM MADE RANGES

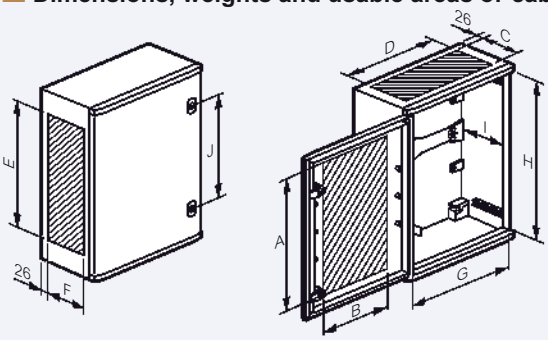


If you want to know more about Legrand custom made ranges (pre-drilled enclosures, special colours etc..) please contact your Area Commercial Manager

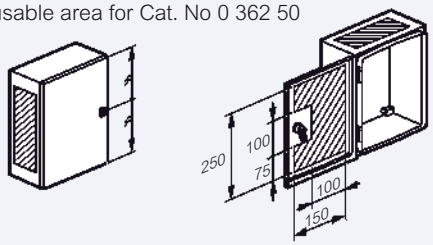
Marina cabinets and enclosures

polyester - IP 66 - IK 10

Dimensions, weights and usable areas of cabinets



Door usable area for Cat. No 0 362 50



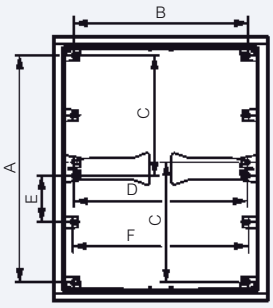
Cat. Nos	Usable area (mm)										Weight (kg)	Weight with window door (kg)
	A(1)	B(1)	C	D	E	F	G	H	I maxi	J		
0 362 50	250	150	105	195	250	115	194	280	-	-	1.75	-
0 362 51/71	300	180	130	250	260	150	260	350	178	200	3.7	4
0 362 52/72	400	280	130	350	360	150	360	450	178	300	5.1	5,6
0 362 55/75	500	280	180	350	460	180	360	560	225	400	6.4	7
0 362 56/76	600	340	170	400	560	170	460	662	211	400	11.2	12.3
0 362 61/81	700	440	220	500	660	230	560	762	261	500	15.2	16.7
0 362 63/83	900	600	220	700	860	230	760	962	261	580	21.8	23.9
0 362 64/84	1100	600	220	700	1060	230	760	1162	261	700	25	27.5

1: Except window version

Equipment fixing in cabinets

Cat. Nos	A (mm)	B (mm)	C (mm)	D (mm)	E(1) (mm)	F (mm)
0 362 50	263	163	-	-	-	-
0 362 51/71	325	225	125	225	102.5	228.5
0 362 52/72	425	325	225	325	87.5	228.5
0 362 55/75	525	325	325	325	95	328.5
0 362 56/76	625	425	425	425	100	428.5
0 362 61/81	725	525	525	525	100	528.5
0 362 63/83	925	725	725	725	100	728.5
0 362 64/84	1125	725	925	725	100	728.5

1: 2 studs on height Cat.No 0 362 50



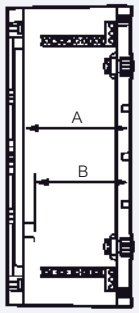
Partial plates mounting

Cabinet Cat.Nos	Plate dim. (mm)	Plate Cat.Nos		
		Plain	Lina 12.5	Lina 25
0 362 52/72	300 x 400	0 360 51	0 360 04	0 360 11
0 362 55/75	400 x 400	0 360 70	0 360 05	0 360 92
0 362 56/76	500 x 500	0 360 71	0 360 14	0 360 93
0 362 61/81	600 x 600	0 360 57	0 360 24	0 360 17
0 362 63/83	800 x 800	0 360 60	0 360 34	0 360 20
0 362 64/84	1000 x 800	0 360 61	0 360 21	0 360 42

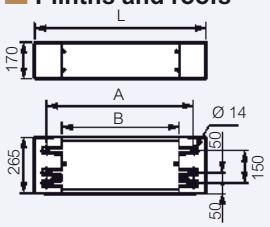


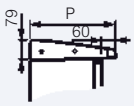
Adjustment of equipment (optional)

Cat.Nos	Plain plate (mm)		Chassis with rail ⌊⌋ (mm)	
	A max.	A min. (with Cat.No 0 362 42)	B max.	B min. (with Cat.No 0 362 42)
0 362 50	135	-	-	-
0 362 51/71	170	70	155	55
0 362 52/72	170	70	155	55
0 362 55/75	220	70	205	55
0 362 56/76	220	70	205	55
0 362 61/81	270	70	255	55
0 362 63/83	270	70	255	55
0 362 64/84	270	70	255	55



Plinths and roofs





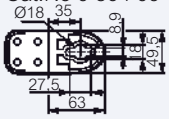
Plinths Cat.Nos	L (mm)	A (mm)	B (mm)	Weight (kg)
0 362 91	590	480	344	4.8
0 362 92	790	680	544	5.4

same fixing distances on ground and cabinet side

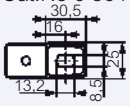
Roofs Cat.Nos	Width (mm)	D (mm)	Weight (kg)
0 362 93	510	310	1
0 362 94	612	360	1.3
0 362 95	812	360	1.7

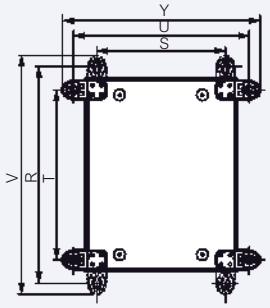
Fixing

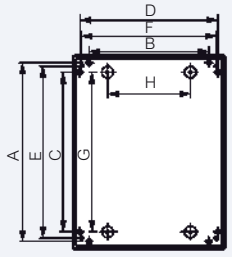
Cat.No 0 364 09



Cat.No 0 364 08



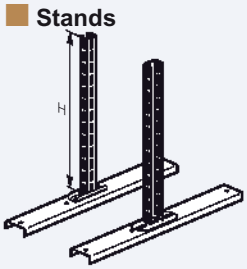




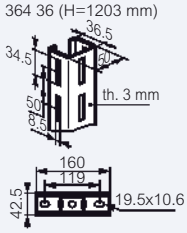
Cat.Nos	On stands 0 364 36 (mm)		Direct fixing outside mounting plate and stand area 0 364 37 (mm)		Direct fixing through rear of cabinet (mm)		With vertical brackets (mm)			With horizontal brackets (mm)		
	A	B	E	F	G	H	R	S	V	T	U	Y
0 362 50(1)(2)	-	-	-	-	220	150	330	190	359	270	250	279
0 362 51/71	364	218	358	259	325	120	470	241	525	341	370	425
0 362 52/72	464	318	458	359	425	220	570	341	625	441	470	525
0 362 55/75	574	318	558	358	525	220	680	341	735	551	470	525
0 362 56/76	683	427	664	468	600	200	789	441	844	641	579	634
0 362 61/81	781	525	764	568	700	300	887	548	942	758	677	732
0 362 63/83	981	725	964	768	900	500	1087	748	1142	958	877	932
0 362 64/84	1181	725	1164	768	1100	500	1287	748	1342	1158	877	932

1: With brackets Cat.No 0 364 08
2: S and T dimensions: insert fixing centres

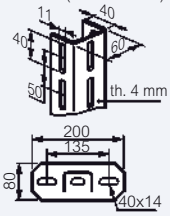
Stands

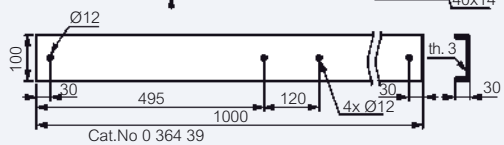


0 364 36 (H=1203 mm)



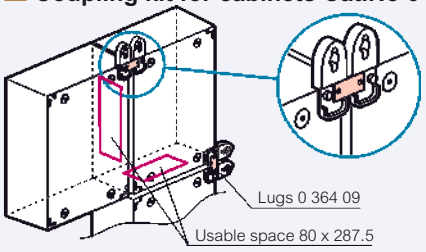
0 364 37 (H=1603 mm)



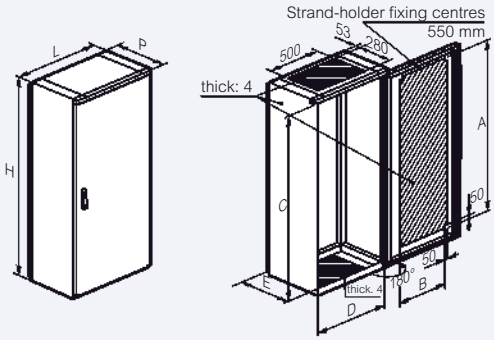


Cat.No 0 364 39

Coupling kit for cabinets Cat.No 0 362 44



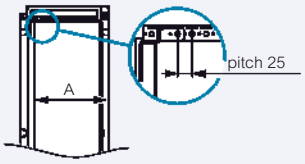
Dimensions, weights and usable areas of enclosures



Cat.Nos	Dimensions H x W x D (mm)	Weight (kg)	Usable areas (mm)				E(2)
			A	B	C	D	
0 362 85	1460 x 800 x 463(1)	49	1230	530	1300	700	380
0 362 86	1660 x 800 x 463(1)	53	1430	530	1500	700	380
0 362 87	1860 x 800 x 463(1)	57	1630	530	1700	700	380

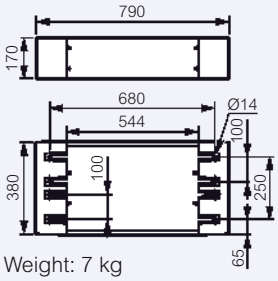
1: 487 with handle
2: Usable depth

Adjustment of equipment in enclosures



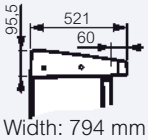
Plain plate (mm)		Partial plate (mm)		Chassis with rail ⌴ (mm)	
A max	A min	A max	A min	A max	A min
379	109	357	88	351	82

Plinth Cat.No 0 362 96



Weight: 7 kg

Roof Cat.No 0 362 97



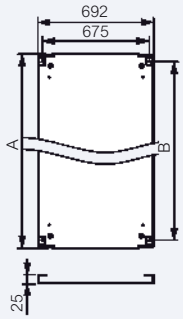
Width: 794 mm
Weight: 2.5 kg

Plates

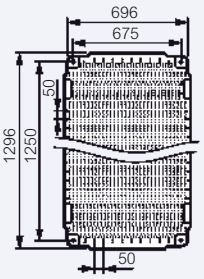
Choice of plates

Plates	Enclosures H. 1400 mm	Enclosures H. 1600 mm	Enclosures H. 1800 mm
Plain	0 349 59	0 349 50	0 344 18
Lina 12,5	0 346 08	2 x 0 481 40 + uprights 0 363 91	0 481 43 + 0 481 40 + uprights 0 363 92
Lina 25 perforated	0 346 09	2 x 0 474 90 + uprights 0 363 91	0 474 90 + 0 474 95 + uprights 0 363 92

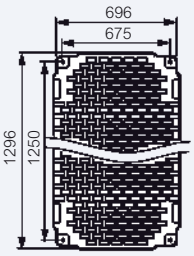
Plain plate



Lina 12.5 plate Cat.No 0 346 08

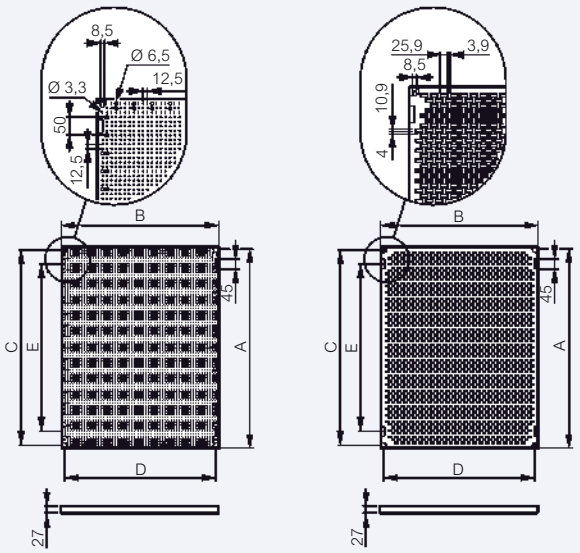


Lina 25 perforated plate Cat.No 0 346 09



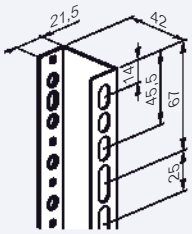
Enclosure height (mm)	Plain	
	A	B
1400	1292	1225
1600	1492	1425
1800	1692	1625

Lina 12.5 partial plain and Lina 25 perforated plates



Enclosures dim Height. x Width	Lina 12.5 partial plate and Lina 25 perforated plate					
	A	B	C	D	E	Area (dm²)
800 x 800	703	703	675	675	550	49
1000 x 1000	903	903	875	875	750	82

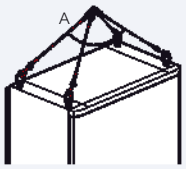
Sectionned uprights Cat.Nos 0 363 90/91/92



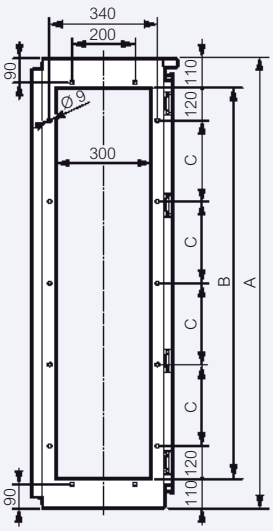
Suggested lifting method

4 x 500 kg slings and 4 brackets

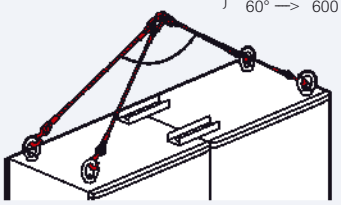
A } 120° —> 250 kg
90° —> 300 kg
60° —> 300 kg



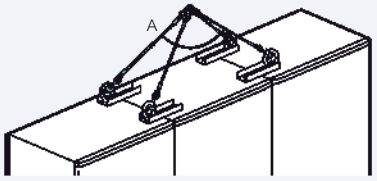
Assembly and lifting kit Cat.No 0 362 48 and lifting kit Cat.No 0 362 46



A } 120° —> 500 kg
90° —> 600 kg
60° —> 600 kg

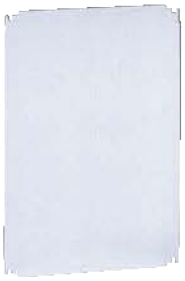


A } 90° —> 800 kg
60° —> 900 kg



Enclosures Cat.Nos	Enclosures dimensions (mm)	Dimensions (mm)		
		A	B	C
0 362 85	1400 x 800 x 400	1460	1240	250
0 362 86	1600 x 800 x 400	1660	1440	300
0 362 87	1800 x 800 x 400	1860	1640	350

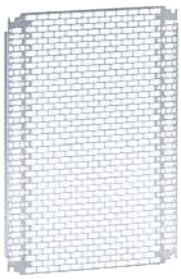
Atlantic, Atlantic-E and Marina cabinets: plain plates and perforated plates



0 360 58



0 360 31



0 360 18



0 355 08 with Lina 12.5 plate
Cat.No 0 360 22
vertical mounting



0 355 06 with Lina 12.5 plate
Cat.No 0 360 22
horizontal mounting

Cabinet and equipement selection chart **p. 242-243**
Technical characteristics **p. 257**

Plain plates

Galvanized steel
Not compatible with Atlantic-E cabinets

Pack	Cat.Nos	Vertical mounting for cabinets Height (mm)	Vertical mounting for cabinets Width (mm)	Weight (kg)	Horizontal mounting for cabinets Height (mm)	Horizontal mounting for cabinets Width (mm)
1	0 360 49[1]	300	220	0.9		
1	0 360 69	300	300	1		
1	0 360 52	400	300	1.3	300	400
1	0 360 70	400	400	1.7		
1	0 360 55	500	400	2.7		
1	0 360 71	500	500	3.5		
1	0 360 56	600	400	3.3	400	600
1	0 360 57	600	600	6.2		
1	0 360 54	600	1000	10.6	1000	600
1	0 360 58	700	500	6		
1	0 360 59	800	600	8.4	600	800
1	0 360 60	800	800	11.4		
1	0 360 61	800	1000	14.4	1000	800
1	0 360 63	1000	1000	20.5		
1	0 360 64	1200	800	18.5		
1	0 360 65	1200	1000	23	1000	1200
1	0 360 66	1200	1200	34.4		
1	0 360 67[2]	1400	800	26.4		
1	0 360 68	1400	1000	32.2		

Lina 12.5 plates

Galvanized steel.
With drilling for fixing equipment without marking.
Automatic bracket:
- Ø6.5 mm for plastic rivet Cat.No 0 366 44 (trunking)
- Ø3.3 mm for equipment with screw Cat.No 0 347 45

Pack	Cat.Nos	Vertical mounting for cabinets Height (mm)	Vertical mounting for cabinets Width (mm)	Weight (kg)	Horizontal mounting for cabinets Height (mm)	Horizontal mounting for cabinets Width (mm)
1	0 360 00[2]	300	200	0.4		
1	0 360 01[1]	300	220	0.47		
1	0 360 02	300	300	0.6		
1	0 360 04	400	300	0.8	300	400
1	0 360 05	400	400	1.1		
1	0 360 09	500	400	1.5		
1	0 360 14	500	500	1.85		
1	0 360 22	600	400	2.2	400	600
1	0 360 24	600	600	3.7		
1	0 360 40	600	1000	6.8	1000	600
1	0 360 31	700	500	3.7		
1	0 360 33	800	600	5.2	600	800
1	0 360 34	800	800	7		
1	0 360 42	1000	800	9.2	800	1000
1	0 360 43	1000	1000	11.5		
1	0 360 46	1200	800	11.1		
1	0 360 47	1200	1000	13.9	1000	1200
1	0 360 48	1200	1200	16.7		
1	0 360 75[2]	1400	800	13		
1	0 360 79	1400	1000	16.2		

Lina 25 perforated plates

Galvanized steel

Common for all types of cabinets

Pack	Cat.Nos	For cabinets Height x Width (mm)	Weight (kg)
1	0 360 07[2]	300 x 200	0.4
1	0 360 99[1]	300 x 220	0.4
1	0 360 91	300 x 300	0.5
1	0 360 11	300 x 400	0.6
1	0 360 12	400 x 300	0.6
1	0 360 92	400 x 400	0.8
1	0 360 13	400 x 600	1.1
1	0 360 15	500 x 400	0.9
1	0 360 93	500 x 500	1.1
1	0 360 16	600 x 400	1.3
1	0 360 17	600 x 600	2.1
1	0 360 06	600 x 800	3.1
1	0 360 08	600 x 1000	3.7
1	0 360 18	700 x 500	2
1	0 360 19	800 x 600	3.1
1	0 360 20	800 x 800	4
1	0 360 94	800 x 1000	5
1	0 360 23	1000 x 600	3.7
1	0 360 21	1000 x 800	4.9
1	0 360 25	1000 x 1000	6.8
1	0 360 10	1000 x 1200	8.5
1	0 360 87	1200 x 800	7.1
1	0 360 88	1200 x 1000	8.5
1	0 360 89	1200 x 1200	10.1
1	0 360 90[2]	1400 x 800	7.8
1	0 360 98	1400 x 1000	10

Clip-nuts for perforated plates
Supplied without screw

100	0 364 40	For M4 screws
100	0 364 41	For M5 screws
100	0 364 42	For M6 screws

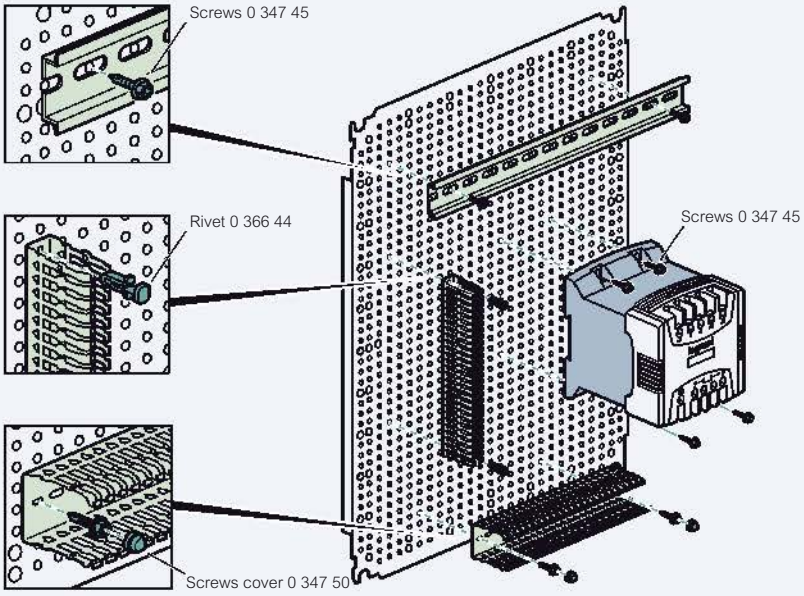
Accessories

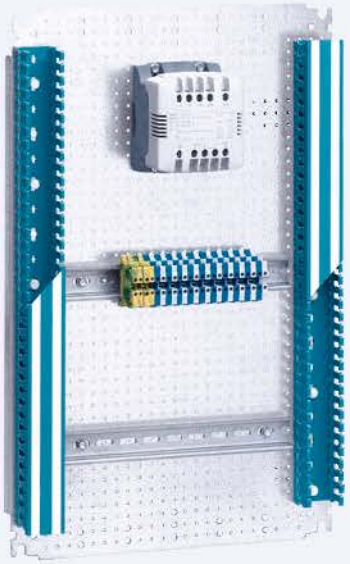
500	0 366 44	Rivet reinforced plastic Ø6 mm for drilling Ø6.5 mm
100	0 347 45	Screw head 4.8 x 16 mm self-drilling, self-tapping for Ø3.3 mm
200	0 347 50	Screw cover for isolation of screw head Cat.No 0 347 45 inside the trunking

1: For Marina cabinets
2: For Atlantic and Atlantic-E cabinets

Atlantic, Atlantic-E and Marina cabinets: plain plates and perforated plates

Mounting principle

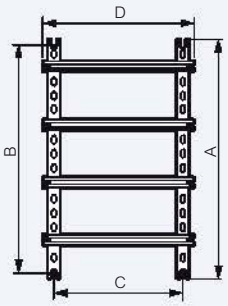




Fixing exemple on Lina 12.5 plate:
- of a transformer with screws Cat.No 0 347 45
- of a rail
- of Lina 25 cable ducting (p. 300)

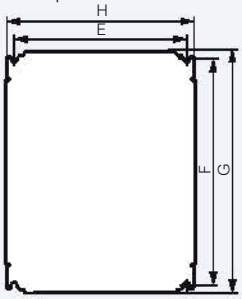
Dimensions

Assembled chassis with rails and Lina 25 uprights

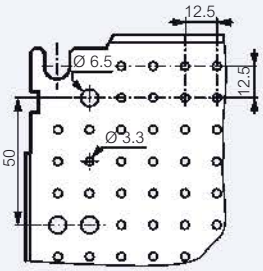


Lina 12.5 plain plates and Lina 25 perforated plates

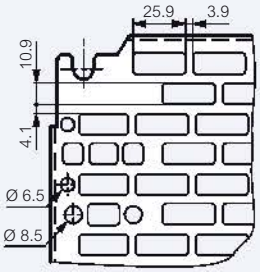
Plain plate



Details Lina 12.5



Details Lina 25 perforated plate

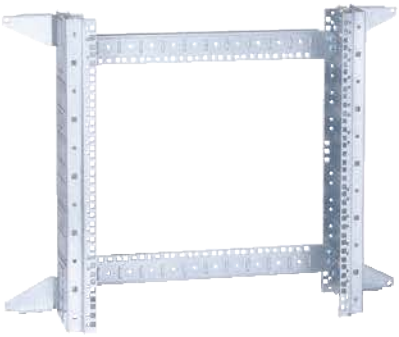


Dimensions of cabinets Height x Width (mm)	Uprights height	Rail length	Chassis fixing	
	A (mm)	D (mm)	B (mm)	C (mm)
300 x 300	237	243	225	225
300 x 400	237	343	225	325
400 x 300	337	243	325	225
400 x 400	337	343	325	325
400 x 600	337	543	325	525
500 x 400	437	343	425	325
500 x 500	437	443	425	425
600 x 400	537	343	525	325
600 x 600	537	543	525	525
600 x 800	537	743	525	725
600 x 1000	537	943	525	925
700 x 500	637	443	625	425
800 x 600	737	543	725	525
800 x 800	737	743	725	725
800 x 1000	737	943	725	925
1000 x 600	937	543	925	525
1000 x 800	937	743	925	725
1000 x 1000	937	943	925	925
1000 x 1200	937	1143	925	1125
1200 x 800	1137	743	1125	725
1200 x 1000	1137	943	1125	925
1200 x 1200	1137	1143	1125	1125
1400 x 800	1337	743	1325	725
1400 x 1000	1337	943	1325	925

Cabinets dimensions Height x Width (mm)	Dimensions of plates Plain / Lina 12.5 / 25 plates		Usable space for equipment (dm²)	Mounting of plates	
	G (mm)	H (mm)		F (mm)	E (mm)
300 x 200	256	156	4.2	225	125
300 x 220	275	192	5.3	263	163
300 x 300	256	256	6.2	225	225
300 x 400(1)	256	356	8.2	225	325
400 x 300(1)	356	256	8.2	325	225
400 x 400	356	356	11.7	325	325
400 x 600(1)	356	556	18.7	325	525
500 x 400	456	356	15.2	425	325
500 x 500	456	456	19.2	425	425
600 x 400(1)	556	356	18.7	525	325
600 x 600	556	556	29.7	525	525
600 x 800(1)	556	756	40.7	525	725
600 x 1000(1)	556	956	51.7	525	925
700 x 500	656	456	28.7	625	425
800 x 600(1)	756	556	40.7	725	525
800 x 800	756	756	55.7	725	725
800 x 1000(1)	756	956	71.7	725	925
1000 x 600(1)	956	556	51.7	925	525
1000 x 800(1)	956	756	70.7	925	725
1000 x 1000	956	956	89.7	925	925
1000 x 1200(1)	956	1156	108.7	925	1125
1200 x 800	1156	756	85.7	1125	725
1200 x 1000(1)	1156	956	108.7	1125	925
1200 x 1200	1156	1156	131.7	1125	1125
1400 x 800	1356	756	100.7	1325	725
1400 x 1000	1356	956	127.7	1325	925

1: For horizontal or vertical mounting

Atlantic, Atlantic-E and Marina cabinets equipment



0 462 28 supplied not assembled



0 367 36



0 363 13



0 475 45



Metal Atlantic cabinet equiped with document holder Cat.No 0 365 82

Cabinet and equipement selection chart **p. 242-243**
Technical characteristics **p. 260**

Lina 25 sectioned uprights

Set of 2 uprights

Pack	Cat.Nos	For cabinets height (mm)	Length (mm)	Section
5	0 361 50	300	237	L
5	0 361 51	400	337	L
5	0 361 52	500	437	L
5	0 361 53	600	537	L
5	0 361 54	700	637	L
5	0 361 55	800	737	L
5	0 361 56	1000	937	L
1	0 361 58	1200	1137	L
1	0 361 59	1400	1337	L

Upright to be cut

10	0 361 92	Length 3 m - Section L

Lina 25 rail

Rail

For fixing onto uprights with clip nut Cat.No 0 364 42 and screw-washer Cat.No 0 367 75 (p. 261)
⌙ depth 15 mm

Pack	Cat.Nos	For cabinets width (mm)	Crosspiece length (mm)	Section
10	0 367 80	300	243	⌙
10	0 367 81	400	343	
10	0 367 82	500	443	
10	0 367 83	600	543	
10	0 367 84	800	743	
10	0 367 85	1000	943	
10	0 367 86	1200	1143	

Rail to be cut, length 2 m

10	0 374 02	⌙ EN 60715
10	0 374 07	Symmetrical ⌙ depth 15 mm
10	0 374 04	Symmetrical ⌙ EN 60175 depth 7.5 mm
10	0 477 22	⌙ depth 7.5 mm with oblongs
10	0 477 23	⌙ depth 15 mm with oblongs

Protective conductor lug

5	0 367 36	Support lug for protection copper bar For Atlantic enclosures only

Wall-mounting VDI chassis for Atlantic, and Marina cabinets

For integrating 19" VDI equipment in Atlantic, and Marina cabinets, width 600 or 800 mm and depth 250 mm min.
In 400 mm wide cabinets, the chassis can integrate 10'' VDI equipment (p. 705)
Can be fixed directly to the wall to create a wall-mounting chassis (without cabinet)
Self-locking cable ties and cable ties with tightenning indicator (p. 713) can be fitted
Technical characteristics see p. 729

1	0 462 27	6 U chassis
1	0 462 28	12 U chassis
1	0 462 29	16 U chassis

Copper bars

Copper bars with tapped holes

Pack	Cat.Nos	Cross-section (mm)	Permis I (A)	Tapped holes Ø mm	Tapped holes Pitch	Length (mm)
10	0 373 88	12 x 2	110	M5	18	990
10	0 373 89	12 x 4	160	M5	18	990

Connectors for bars with tapped holes

100	0 373 65[1]	1 or 2 conductor from 1.5 to 10 mm² (supplied with Ø5 mm screws)



Non perforated copper bar

Pack	Cat.Nos	Cross-section (mm)	Permis I (A)	Length (mm)
10	0 373 49	12 x 4	180	991.5

Connectors for bar Cat.No 0 373 49

100	0 373 60	1.5 to 4 mm²
10	0 373 61	6 to 16 mm²
10	0 373 62	10 to 35 mm² (supplied with M6 CHC Ø5 mm)



Door contact

1	0 363 13	For example, to cut off the air conditioning and the lighting supply as soon as the enclosure or cabinet door is opened 3 A - 240 V 1 NC contact + 1 NO contact For Atlantic, Atlantic-E and Marina cabinets Supplied with fixing lug

Hinged glass doors

IP 54
Anodised aluminium frame
Polycarbonate transparent window, 3 mm stick
Neoprene seal
455 key lock. 120° opening
Supplied complete with drilling template
For devices on front panels. Protect the devices and prevent accidental operation

Pack	Cat.Nos	Width (mm)	Height (mm)	External dim. Width (mm)	Window Height (mm)	Window Depth (mm)	Usable Depth (mm)
1	0 475 45	300	400	50	230	330	42
1	0 475 46	400	400	50	330	330	42
1	0 475 47	500	500	50	430	430	42

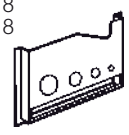
Self adhesive document holder (for plans)

Open - RAL 7035

Pack	Cat.Nos	External dimensions Width (mm)	External dimensions Height (mm)	Internal dimensions Width (mm)	Internal dimensions Height (mm)	Internal dimensions Depth (mm)
20	0 365 80	340	235	310	200	18
20	0 365 81	260	165	230	130	18

Closed - RAL 7035

1	0 365 82	Rigid plastic - IP 50 Internal dimensions: 324 x 120 x 18 mm



Transparent

10	0 097 99	Flexible plastic - A4 - 320 x 220 mm

1: Protective conductor per connector (art. 12 of French decree of 14/11/89)

Atlantic, Atlantic-E and Marina cabinets chassis and internal doors



0 361 03 mounted in cabinet Cat.No 0 354 94



0 363 60 mounted in Atlantic metal cabinets Cat.No 0 355 03 (p. 244) with Cat.No 0 363 69



Accept key barrel

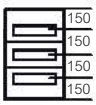
Cabinet and equipement selection chart **p. 242-243**
Technical characteristics **p. 260**

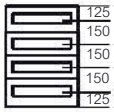
Chassis with insulating faceplates RAL 7035

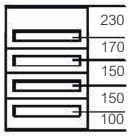
Pack	Cat.Nos	
		Symmetrical rails 15 mm depth Supplied complete with uprights and faceplates Space between door and faceplate for Atlantic, Atlantic-E and Marina cabinets : - 70 mm for cabinets depth 200 mm - 80 mm for cabinets depth 250 mm - 90 mm for cabinets depth 300 mm Self extinguishing 750 °C acc. to IEC EN 60695-2-11
1	0 361 01	**For cabinets 400 x 300 x 200** 30 modules (3 rows of 10) Supplied with 1 blanking plate
1	0 361 02	**For cabinets 500 x 400 x 200** 48 modules (3 rows of 16) Supplied with 1 blanking plate
1	0 361 03	**For cabinets 600 x 400 x 250** 48 modules (3 rows of 16) Supplied with 1 blanking plate
1	0 361 05	**For cabinets 700 x 500 x 250** 84 modules (4 rows of 21) Supplied with 1 blanking plate
1	0 361 06	**For cabinets 800 x 600 x 300** 108 modules (4 rows of 27) Supplied with 2 blanking plates Can take in 1st row a mounting plate Cat.No 0 360 44
1	0 361 09	**For cabinets 1000 x 800 x 300** 190 modules (5 rows of 38) Supplied with 2 blanking plates Can take in 1st row a mounting plate Cat.No 0 360 45
1	0 361 10	**For cabinets 1200 x 800 x 300** 228 modules (6 rows of 38) Supplied with 2 blanking plates Can take in 1st row a mounting plate Cat.No 0 360 45

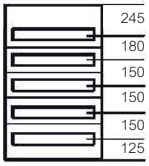


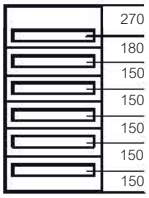










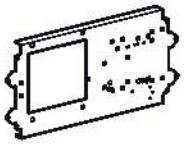


Blanking plate

Pack	Cat.Nos	
10	0 361 00	38 modules, length 684 mm

Mounting plates

Pack	Cat.Nos	
1	0 360 44	For 800 x 600 mm cabinets for DPX³ 160 or Vistop 160 A or DPX-IS 250, 63 to 250 A, please consult us
1	0 360 45	For 1000 x 800 mm or 1200 x 800 mm cabinets For 1, 2 or 3 DPX³ 160, DPX³ 250 or Vistop 160 A or DPX-IS 250, 63 to 250 A



Internal doors RAL 7035

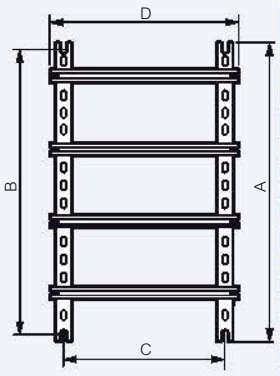
For direct mouting in Marina cabinets, with Cat.No 0 363 69 in Atlantic metal cabinets
IP XXB
Polyester fiber glass reinforced, height 4 mm
Self-extinguishing 960°C acc. to IEC EN 60695-2-11
Grid lines integrated on back
Centre marking on front
Adjustable distance between cabinet door and internal door: 42 to 50 mm for Atlantic cabinets, more than 100 mm for Marina cabinets
Right or left opening, captive hinge pins
Double bar key: 1 key for 400 to 600 mm height, 2 keys for height from 700 mm
Take key barrels and other barrels

Pack	Cat.Nos	For cabinets Height x Width(mm)	Dim. (mm) Height x Width	Usable dim. (mm) Height x Width
1	0 363 59	400 x 300	341 x 236	305 x 185
1	0 363 60	500 x 400	441 x 336	405 x 250
1	0 363 61	600 x 400	541 x 336	505 x 250
1	0 363 62	700 x 500	642 x 436	500 x 340
1	0 363 63	800 x 600	742 x 536	600 x 440
1	0 363 64	1000 x 800	942 x 736	800 x 640
1	0 363 65	1200 x 800	942 x 736	800 x 640

Accessory

Pack	Cat.Nos	
1	0 363 69	Accessory for mounting internal doors in Atlantic metal cabinets

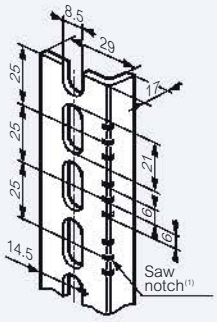
Assembled chassis with rails and Lina 25 uprights



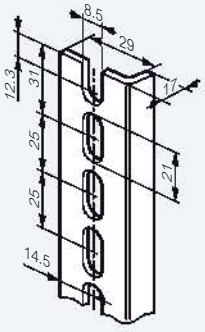
Dimensions of cabinets Height x Width (mm)	Uprights height	Rail length	Chassis fixing	
	A (mm)	D (mm)	B (mm)	C (mm)
300 x 300	237	243	225	225
300 x 400	237	343	225	325
400 x 300	337	243	325	225
400 x 400	337	343	325	325
400 x 600	337	543	325	525
500 x 400	437	343	425	325
500 x 500	437	443	425	425
600 x 400	537	343	525	325
600 x 600	537	543	525	525
600 x 800	537	743	525	725
600 x 1000	537	943	525	925
700 x 500	637	443	625	425
800 x 600	737	543	725	525
800 x 800	737	743	725	725
800 x 1000	737	943	725	925
1000 x 600	937	543	925	525
1000 x 800	937	743	925	725
1000 x 1000	937	943	925	925
1000 x 1200	937	1143	925	1125
1200 x 800	1137	743	1125	725
1200 x 1000	1137	943	1125	925
1200 x 1200	1137	1143	1125	1125
1400 x 800	1337	743	1325	725
1400 x 1000	1337	943	1325	925

Lina 25 sectioned uprights and uprights to be cut

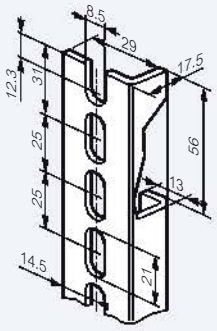
Cat.No 0 361 92



Cat.Nos 0 361 50/51/52/ 53/54/55/56



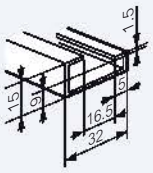
Cat.No 0 361 58/59



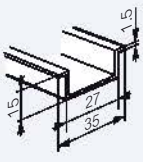
1: Saw notch for upright length x pitch 25, the 2 others for uprights Cat.Nos 0 361 50/51/52/53/54/55/56

Rails

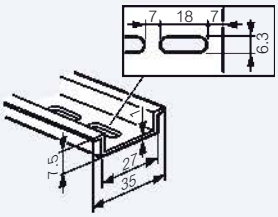
Cat.No 0 374 02



Cat.Nos 0 367 80/81/82/83/84/85/86 and 0 374 07



Cat.No 0 477 22



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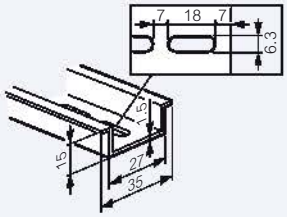
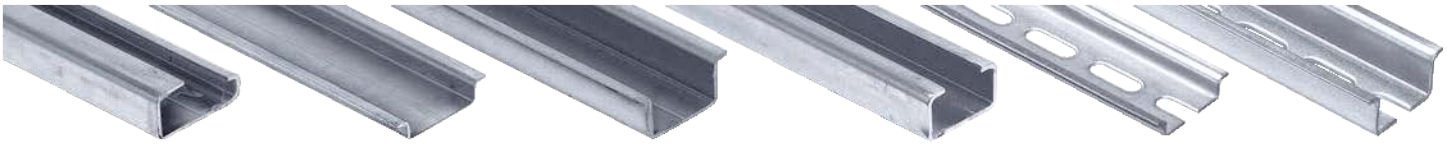


Pack	Cat.Nos	
		Lock housings for rebate locks or key barrets
10	0 368 04	For Atlantic and Marina cabinets Lock
10	0 368 05	Knob (with blanking plate)
10	0 368 06	Knob fitted with key barrel 2433 A
		Padlocking
1	0 365 11	Takes 3 safety padlocks Cat.No 0 227 97 (p. 60) Shackle Ø6 mm max. For fitting on Atlantic and Marina knob or lock RAL 7021 painted steel
1	0 365 13	Padlock adaptor stainless steel for Marina cabinets height ≥ 400 mm additional to latches Takes 3 padlocks Ø6 max.
		Locking latches
10	0 365 30	For Marina cabinets
10	0 368 43	For Atlantic 1-door cabinet
		Metal rebate locks
		For Atlantic and Marina cabinets
10	0 368 17[1]	Triangle male 6.5 mm
10	0 368 18[1]	Triangle male 8 mm
10	0 368 19[1]	Triangle male 9 mm (EDF)
10	0 368 20[1]	Double bar
		Key barrels
		For Atlantic and Marina cabinets Supplied with set of 2 key
10	0 368 22[1]	For key No 405
10	0 368 23[1]	For key No 421
10	0 368 24[1]	For key No 455
10	0 368 25[1]	For key No 1242 E
10	0 368 26[1]	For key No 2433 A
10	0 368 27[1]	For key No 3113 A
10	0 365 45[1]	Set of two 2433 A keys Other key code: please consult us
		Metal keys for rebate locks
10	0 365 35	Square female 6 mm
10	0 365 39	Triangle male 6.5 mm
10	0 365 40	Triangle male 8 mm
10	0 365 41	Triangle male 9 mm (EDF)
10	0 365 42	Double bar
1	0 368 42	Multi-size key for rebate locks: square male 8 mm, square male 6 mm, Triangle male 8 mm and double bar

1: Except Marina enclosures: please consult us

Uprights, rails and fixing accessories for cabinets and enclosures



0 374 02 | 0 374 04 | 0 374 07 | 0 389 71 | 0 477 22 | 0 477 23



0 366 44



0 347 45



0 347 50



0 477 13

For mounting chassis and fixing wiring accessories

Pack	Cat.Nos	Uprights to be cut
		Lina 25
10	0 361 92	Length 3 m - Section L
10	0 361 94	Length 2 m - Section L
		On C profile rail
10	0 389 71	Section ⊏

Pack	Cat.Nos	Rails to be cut
		Length 2 m
10	0 374 02	⊏ EN 60 715
10	0 374 04	⌙ EN 60 715 depth 7.5 mm
10	0 374 07	⌙ depth 15 mm
10	0 389 71	Section ⊏
10	0 477 22	⌙ depth 7.5 mm with oblongs
10	0 477 23	⌙ depth 15 mm with oblongs

Pack	Cat.Nos	45° mounting bracket
10	0 394 49	Set of 2 supports for 45° rail slope Supplied with 4 M6 screws Ø6 mm, nuts and washers

Pack	Cat.Nos	Fixing accessories
		On plain plates
100	0 347 46	CBL Z 5.5 x 16 PZ No 3 self-tapping screw
100	0 347 47	CBL Z 5.5 x 19 self-drilling tapping screw
		On Lina 12.5 plates
500	0 366 44[1]	Rivet reinforced plastic Ø6 mm for drilling Ø6.5 mm
100	0 347 45	Screw head H 4.8 x 16 mm self-drilling, self-tapping for Ø3.3 mm
200	0 347 50	Screw caps for isolation of screw head Cat.No 0 347 45
		On Lina 25 perforated plates
		Clip-nuts supplied without screw
100	0 364 40	For M4 screws
100	0 364 41	For M5 screws
100	0 364 42	For M6 screws
		On cabinet frame and crosspieces
		Clip-nuts with pins which provide earth continuity
50	0 477 12	For M6 screws
50	0 477 13	For M8 screws
		On rails EN 60 715 ⊏
100	0 364 61	Fixobar for M4 screws
100	0 364 62	Fixobar for M5 screws
100	0 364 63	Fixobar for M6 screws

Pack	Cat.Nos	Fixing accessories (continued)
		Adaptor
20	0 364 66	For mounting on rail ⊏ equipment fitting on rail ⌙ Width 17 mm Increase equipment height of 6 mm
		On rails EN 60 715 ⊏ ⌙
100	0 364 78	For M4 screws
100	0 364 79	For M6 screws
		On rails EN 60 715 ⌙
10	0 044 16	Claw width 10 mm Threaded hole for M4 screw
50	0 044 17	Claw width 17.5 mm Smooth hole 3.8 mm Supplied with fixing screw Ø3.5 mm Length 13 mm
100	0 374 39	Claw width 35 mm Holes for M4 and M6 screws
40	0 364 69	Fixomega for M4 screws
		On C profile rail
100	0 364 82	Stirrup for M6 screws
		Cage nuts
		For mounting on square perforation 8.3 x 8.3 mm
20	0 364 50	M4
20	0 364 51	M5
20	0 364 52	M6
		HF screw with contact washer
50	0 367 75	M 6-10 HF screws with contact washers

1: Can also be used on Lina 25 perforated plate

Heat regulation for cabinets and enclosures

ventilators



0 348 17



0 348 52



exemple of plastic louvre mounted



0 348 54

Technical characteristics **p. 265**

Pack	Cat.Nos	Ventilators with metal louvre
		IP 32 - IK 10 Ventilator is mounted on the outside of the enclosure or cabinet A second outlet can be installed to increase the flow rate and optimise discharge rates from the enclosure 230 V - 50/60 Hz
		30/160 m³/ h : 30 m³ installed with filter 160 m³ for free blow-out Supplied with a pair of metal louvres, a pair of anti-insect grilles and an internal finger-guard grille
1	0 348 17	RAL 7035
1	0 365 71	Beige RAL 7032
		Ventilators with plastic louvre
		IP 54 - IK 08 230 V - 50/60 Hz RAL 7035 Equipped with finger-guard grilles Reduced external dimensions (7 to 10 mm) Ventilator is mounted on the outside of the enclosure or cabinet Screw fixing on a panel width 1 to 4 mm A second outlet louvre can be installed to increase the flow rate and optimise discharge rates from the enclosure
1	0 348 50	**40/160 m³/h** 40 m³ installed with filter 45 m³ with second louvre Cat.No 0 348 34 160 m³ for free blow out Supplied with a pair of louvres 150 x 150 mm equipped Electrostatic filter washable G3, acc. EN 779
1	0 348 51	**120/160 m³/h** 120 m³ installed with filter 130 m³ with second louvre Cat.No 0 348 35 160 m³ for free blow out Supplied with a pair of louvres 250 x 250 mm Media filter washable G3, acc. EN 779

Pack	Cat.Nos	Ventilators with plastic louvre (continued)
		240/450 m³/h
1	0 348 52	240 m³ installed with filter 260 m³ with second louvre Cat.No 0 348 35 450 m³ for free blow out Supplied with a pair of louvres 250 x 250 mm Media filter washable G3, acc. EN 779
		400/900 m³/h
1	0 348 53	400 m³ installed with filter 450 m³ with second louvre Cat.No 0 348 36 900 m³ for free blow out Supplied with a pair of 325 x 325 mm Media filter washable G3, acc. EN 779
		550/1200 m³/h
1	0 348 54	550 m³ installed with filter 620 m³ with second louvre Cat.No 0 348 36 1200 m³ for free blow out Supplied with a pair of louvres 325 x 325 mm Media filter washable G3, acc. EN 779

Heat regulation for cabinets and enclosures

ventilators (continued)



0 365 74



0 348 08



0 365 77



0 365 79



0 348 05



0 348 35

Technical characteristics **p. 265**

Pack	Cat.Nos	Air circulation kit 160 m³/h
1	0 365 74	230 V∿ - 50/60 Hz Uniformizes temperature in enclosure Prevent hot spots Plate or rail mounting in bottom part of enclosure or under most sensitive equipment The air flow must be directed upward

Roof ventilators

Plastic - RAL 7035
Provide very high extraction rate
Screw mounting on top of enclosures
Dimensions: 400 x 350 x 100 mm
Delivered without input air louvre
IP 23 - IK 08
With motor

Pack	Cat.Nos	Free blowing (m³/h)	Flow rate (m³/h) with 1 louvre Cat.No 0 348 35	Flow rate (m³/h) with 2 louvres Cat.No 0 348 35	Flow rate (m³/h) with 1 louvre Cat.No 0 348 36	Flow rate (m³/h) with 2 louvres Cat.No 0 348 36
1	0 348 07	600	350	400	400	450
1	0 348 08	1000	400	500	500	600

Pack	Cat.Nos	Natural ventilation
		IP 66 - IK 08 ventilation glands for cabinets Polyamide PA 6 - RAL 7035
2	0 365 77	Drilling Ø40.5 mm
		IP 44 - IK 08 ventilation glands for cabinets For outdoor use Grey polyamide 6.6
2	0 365 78	Drilling Ø15 mm
2	0 365 79	Drilling Ø30.5 mm
		Metal louvres IP 32 - IK 10 Set of 2 metal louvres + 2 anti-insect grilles
1	0 348 04	RAL 7035 - 138 x 138 mm
1	0 365 70	Beige RAL 7032 - 138 x 138 mm
1	0 348 05	RAL 7035 - 248 x 248 mm
1	0 348 16	Beige RAL 7032 - 248 x 248 mm
		Plastic louvres RAL 7035 Supplied singly
1	0 348 34	IP 44 - 150 x 150 mm
1	0 348 35	IP 54 - 250 x 250 mm
1	0 348 36	IP 54 - 325 x 325 mm

Exchangers, air conditionners,
Please, consult us



Heat regulation for cabinets and enclosures

heating and regulation



0 353 08



0 353 10



0 348 06



0 348 47



0 353 11



0 353 12

Technical characteristics **p. 266**
Sizing of heat regulation **see XL Pro³**

Heating

IP 20
Class II
Prevent condensation forming inside the enclosure «PTC» auto-regulated and self-limited surface temperature < 85 °C
Connection on terminals
Mounting on rail ⎍
Heat dissipator in aluminium under plastic UL 94 VO

Resistance heaters 120 V/240 V∿/⎓

Pack	Cat.Nos	Power (W)	Start-up current (A)
1	0 353 06	20	2.5
1	0 353 07	50	2.5
1	0 353 08	100	4.5
1	0 353 09	150	8.0

Pulsated air resistance heaters 230 V∿
Built-in temperature limiter
Material: Polycarbonate UL 94 VO

Pack	Cat.Nos	Power (W)	Start-up current (A)	Thermostat	Fan flow rate (m³/h)
1	0 353 10	150	12	without	13
1	0 348 06	350	7.5	0 to 60 °C with LED	35

Regulation

IP 20

Thermostats
Precision 0.5 °C (neutral connected)
Switching and control range: 2 °C
230 V - 50/60 Hz
NO contact: 5 A, 250 V∿
NC contact: 10 A, 250 V∿
Can be set to between 5 and 60 °C with NC and NO contact

Pack	Cat.Nos	
1	0 348 47	Mounted on rail ⎍

Hygrostat

Pack	Cat.Nos	
1	0 353 11	For adjusting the relative humidity inside a cabinet or an enclosure to avoid the formation of condensation by starting up a heater or a fan 230 V∿, 50/60 Hz NO contact: 6 A, 240 V∿, 4 A, 24 V⎓ NC contact: 8 A, 240 V∿, 4 A, 24 V⎓ Mounted on rail ⎍ Adjustable from 35 % to 100 % relative humidity

Regulation (continued)

Hygrothermostat

Pack	Cat.Nos	
1	0 353 12	For independent adjustment of the temperature and humidity level inside a cabinet or an enclosure, to avoid the formation of condensation by starting up a heater or a fan 230 V∿, 50/60 Hz NO contact: 6 A - 240 V∿ , 4 A - 24 V⎓ NC contact: 8 A, 240 V∿, 4 A, 24 V⎓ For fixing on rail ⎍ Adjustable from 0 °C to 60 °C and from 50 % to 90 % relative humidity

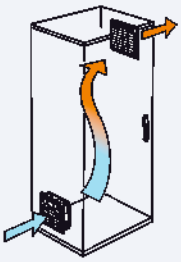
Door contact

Pack	Cat.Nos	
1	0 363 13	For example, to cut off the air conditioning and the lighting supply as soon as the enclosure or cabinet door is opened 3 A - 240 V 1 NC contact + 1 NO contact For Atlantic, Atlantic-E and Marina cabinets Supplied with fixing lug

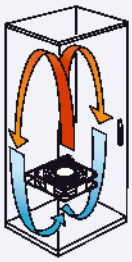
Heat regulation for cabinets and enclosures

ventilators

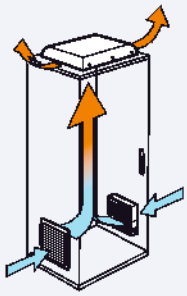
Principe of operation



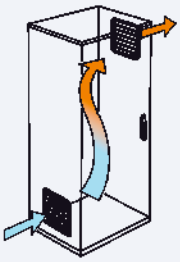
Ventilators, louvres and spacers



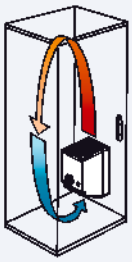
Internal air circulation kit



Roof ventilators



Natural ventilation

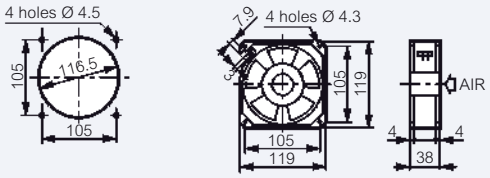


Heating

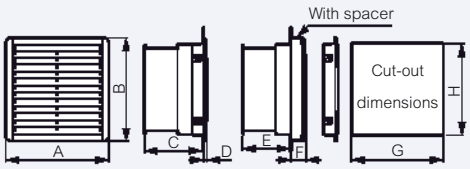
Ventilators, louvres and spacers

Dimensions and cut-out

Cat.Nos 0 365 71 and 0 348 17



Cat.Nos 0 348 50/51/52/53/54/34/35/36



Cat.Nos	A	B	C	D	E	F	G	H
0 348 50	150	150	70	7	43	34	125	125
0 348 51	250	250	105	8	78	35	223	223
0 348 52	250	250	123	8	96	35	223	223
0 348 53	325	325	152	10	125	37	291	291
0 348 54	325	325	115	10	88	37	291	291
0 348 34	150	150	-	7	-	34	125	125
0 348 35	250	250	-	8	-	35	223	223
0 348 36	325	325	-	10	-	37	291	291

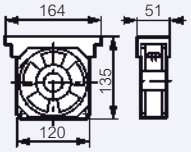
Technical characteristics

Cat.Nos	0 365 71/0 348 17	0 348 50	0 348 51	0 348 52	0 348 53	0 348 54
Voltage (V) / phase	220-240/1	230/1	230/1	220-240/1	220-240/1	230/1
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
No load flow ventilator only (m^3/h)	160	160	160	450	900	1200
On load flow with an output louvre (supplied)	30	40	120	240	400	550
Static pressure (mm of water)	100	66	51	111	160	186
Power down (W)	22	20	20	29	67	114
Current drown (A)	0.14	0.125	0.125	0.426	0.3	0.5
Operating temparature	-10°C/+50°C					
IP/IK	32/10	54/08	54/08	54/08	54/08	54/08
Sound level (dB)	49	43	43	50	61	71
Weight (kg)	0.72	0.8	1.4	1.7	3.6	3.7

Internal air circulation kit

Dimensions

Cat.No 0 365 74



Technical characteristics

Cat.No	Circulation kit 50/60 Hz							
	Rated speed (rpm)	Max. flow rate (m^3/hr)	Static pressure (mm of water)	Power drawn (W)	Current drawn (mA)	Operating temperature (°C)	Noise (dB A)	Weight (kg)
0 365 74	2750	160	10	18	135	– 10 / + 55	44	0.55

Roof ventilators

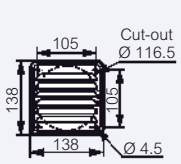
Technical characteristics

Cat.Nos	Max. flow rate (m^3/hr)	Power drawn (W)	Current drawn (mA)	Operating temperature (°C)	Noise (dB A)	Weight (kg)
0 348 07	600	70	0.32	50	64	4.1
0 348 08	1000	180	0.5	50	72	4.3

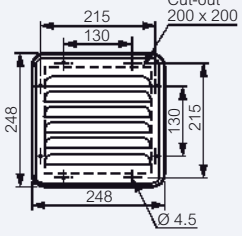
Natural ventilation

Dimensions and cut-out

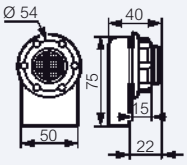
Cat.Nos 0 365 70 and 0 348 04



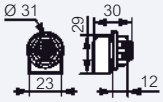
Cat.Nos 0 348 16 and 0 348 05



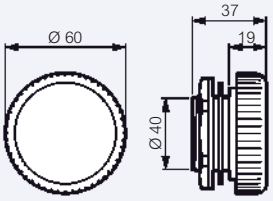
Cat.No 0 365 79

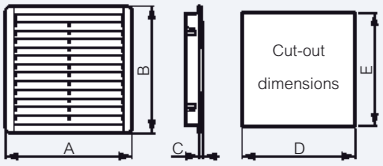


Cat.No 0 365 78



Cat.No 0 365 77

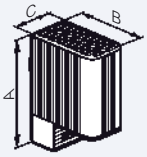




Cat.Nos	A	B	C	D	E
0 348 34	150	150	7	125	125
0 348 35	250	250	8	223	223
0 348 36	325	325	10	291	291

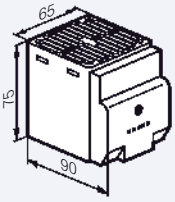
Dimensions (mm)

Cat.Nos 0 353 06/07/08/09

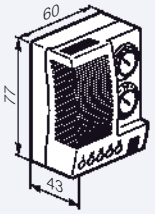


Cat.Nos	Power	A	B	C
0 353 06	20 W	98	75	38
0 353 07	50 W	110	90	60
0 353 08	100 W	110	90	60
0 353 09	150 W	150	90	60

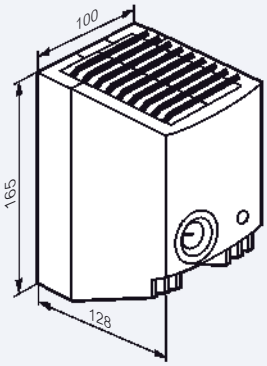
Cat.No 0 353 10



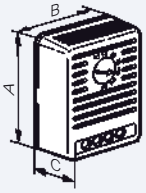
Cat.No 0 353 12



Cat.No 0 348 06



Cat.Nos 0 348 47/48 and 0 353 11

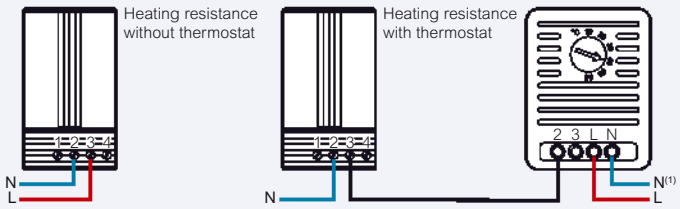


Cat.Nos	A	B	C
0 348 47	67	51	34
0 348 48	67	51	34
0 353 11	64	43	34

Vertical mounting at the bottom of the cabinet:
Recommended clearance arround heat regulation products for optimal air circulation :
- for Cat.Nos 0 348 47 and 0 353 11/12 > 50 mm
- for Cat.Nos 0 348 06 and 0 353 10 > 150 mm or more for sensitive devices
- do not cover

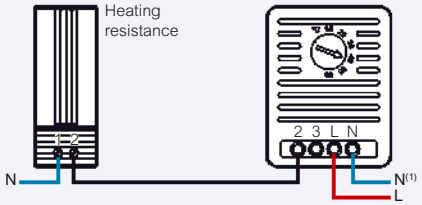
Wiring diagram

Cat.Nos 0 353 07/08/09



Cat.No 0 353 06

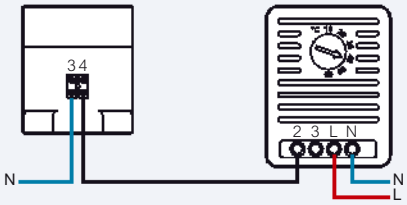
Thermostat Cat.Nos 0 348 47/48



Wiring diagram (continued)

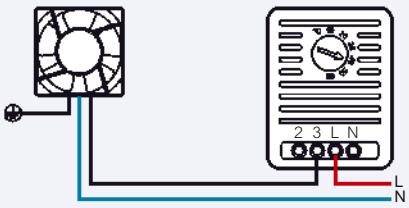
Cat.No 0 353 10

Thermostat Cat.Nos 0 348 47/48

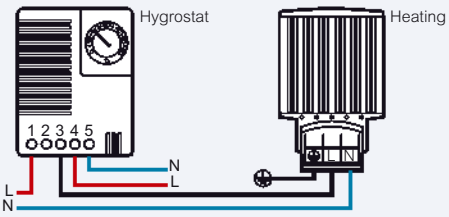


Ventilator

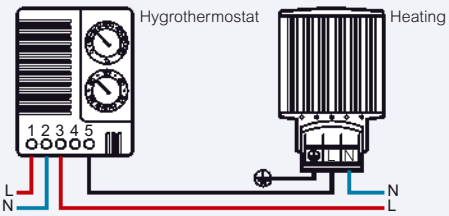
Thermostat Cat.Nos 0 348 47/48



Cat.No 0 353 11



Cat.No 0 353 12



1: Connection accelerating resistance

Plastic cable glands IP 55

ISO and PG


0 968 00


0 968 07


0 968 09


0 968 23


0 968 43

Pack	Cat.Nos	Grey RAL 7035 cable glands

Cable gland with flexible blades designed for commercial applications that require IP 55 protection and a good hold on the cables

ISO

Conform to EN 50262

Pack	Cat.Nos	ISO	Clamping capacity Ø Min. (mm)	Ø Max. (mm)
50	0 968 00	12	4	6.5
50	0 968 01	16	5	10
50	0 968 03	20	10	14
50	0 968 05	25	13	18
25	0 968 06	32	18	25
10	0 968 07	40	22	32
10	0 968 08	50	30	38
10	0 968 09	63	34	44

PG

Conform to UTE C 68-300 and 68-311 guides recommendations

Pack	Cat.Nos	PG	Clamping capacity Ø Min. (mm)	Ø Max. (mm)
50	0 968 20	7	3.5	6
50	0 968 21	9	4	8
50	0 968 22	11	5	10
50	0 968 23	13.5	7	12
50	0 968 24	16	10	14
50	0 968 25	21	13	18
25	0 968 26	29	18	25
10	0 968 27	36	22	32
10	0 968 28	42	30	38
10	0 968 29	48	34	44

Pack	Cat.Nos	Grey RAL 7035 locking nuts

ISO

Pack	Cat.Nos	
50	0 968 40	ISO 12
50	0 968 41	ISO 16
50	0 968 43	ISO 20
50	0 968 45	ISO 25
25	0 968 46	ISO 32
10	0 968 47	ISO 40
10	0 968 48	ISO 50
10	0 968 49	ISO 63

PG

Pack	Cat.Nos	
50	0 968 30	PG 7
50	0 968 31	PG 9
50	0 968 32	PG 11
50	0 968 33	PG 13.5
50	0 968 34	PG 16
50	0 968 35	PG 21
25	0 968 36	PG 29
10	0 968 37	PG 36
10	0 968 38	PG 42
10	0 968 39	PG 48

RTA conduit system brochure available on request



Plastic cable glands IP 55

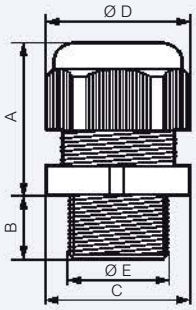
ISO and PG

Cable glands

Characteristics

Halogen-free polyamide UL 94-V2
Operating temperature: - 20 °C to + 80 °C
Self-extinguishing 650 °C according to IEC 60695-2-11

Dimensions (mm)



ISO

Cat.Nos	Threading	A max.	B	Ø D	C to flat	Ø E	Drilling Ø
0 968 00	ISO 12	23	8	19	16	11.8	12.7
0 968 01	ISO 16	28	15	25	22	15.8	16.2
0 968 03	ISO 20	34	15	29	26	19.9	20.4
0 968 05	ISO 25	36	15	35	30	24.8	25.4
0 968 06	ISO 32	40	15	46	42	31.6	32.5
0 968 07	ISO 40	47	18	53	52	39.8	40.5
0 968 08	ISO 50	48	18	65	58	49.8	50.8
0 968 09	ISO 63	55	18.5	71	66	62.6	64

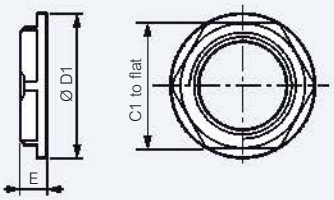
PG

Cat.Nos	Threading	A max.	B	Ø D	C to flat	Ø E	Drilling Ø
0 968 20	PG 7	23	8	17	15	12.1	12.7
0 968 21	PG 9	27	8	22	19	15.1	15.2
0 968 22	PG 11	31	8	25	22	18.2	18.6
0 968 23	PG 13.5	32	9	27	24	20.2	20.4
0 968 24	PG 16	32	10	29	27	22.3	22.5
0 968 25	PG 21	35	11	39	33	28.1	28.3
0 968 26	PG 29	41	11	46	42	36.9	37
0 968 27	PG 36	50	14.5	59	53	46.4	47
0 968 28	PG 42	52	14.5	66	59	53.5	54
0 968 29	PG 48	52	15.5	70	64	59.9	60

Locking nuts

Glass fiber polyamide

Dimensions (mm)



ISO

Cat.Nos	Threading	C1 to flat	E	Ø D1
0 968 40	ISO 12	17	5	19
0 968 41	ISO 16	22	5	24
0 968 43	ISO 20	26	6	28
0 968 45	ISO 25	32	6	35
0 968 46	ISO 32	42	7	46
0 968 47	ISO 40	50	7	56
0 968 48	ISO 50	60	8	66
0 968 49	ISO 63	75	8	81

PG

Cat.Nos	Threading	C1 to flat	E	Ø D1
0 968 30	PG 7	19	5	21
0 968 31	PG 9	22	5	24
0 968 32	PG 11	24	5	26
0 968 33	PG 13.5	26	6	28
0 968 34	PG 16	32	6	35
0 968 35	PG 21	36	7	38
0 968 36	PG 29	46	7	51
0 968 37	PG 36	60	8	66
0 968 38	PG 42	64	8	72
0 968 39	PG 48	69	8	77

Plastic cable glands IP 68

ISO and PG

Plastic cable glands IP 68


0 980 05


0 980 25


0 980 26


0 980 47

Grey RAL 7001 cable glands

Anti-vibration mechanically tightened cable gland with neoprene weatherproof seal for IP 68 protection
Locking part consisting of flexible blades which exert strong pressure on the cable thus giving the product excellent tensile strength
Supplied with surface seal and locking nut mounted

ISO

Conform to EN 50 262

Pack	Cat.Nos	ISO	Clamping capacity Ø Min. (mm)	Ø Max. (mm)
25	0 980 00	12	3	6.5
25	0 980 01	16	4	8
25	0 980 03	20	6	12
10	0 980 05	25	12	18
5	0 980 06	32	18	25
3	0 980 07	40	22	32
2	0 980 08	50	30	38
2	0 980 09	63	34	44

PG

Conform to UTE C 68-300 and 68-311 guides recommendations

Pack	Cat.Nos	PG	Clamping capacity Ø Min. (mm)	Ø Max. (mm)
25	0 980 20	7	3	6.5
25	0 980 21	9	4	8
25	0 980 22	11	5	10
25	0 980 23	13.5	6	12
20	0 980 24	16	10	14
10	0 980 25	21	12	18
5	0 980 26	29	18	25
3	0 980 27	36	22	32
2	0 980 28	42	30	38
2	0 980 29	48	34	44

Grey RAL 7001 stopping plugs - ISO

Hexagonal with base ensuring the IP protection of the enclosure
Can be tightened using a flat screwdriver
Supplied with surface seal
Nuts to be ordered separately

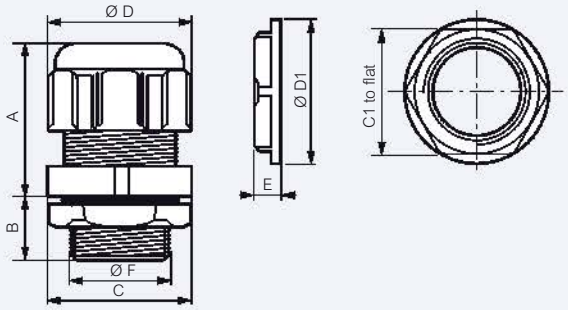
Pack	Cat.Nos	
50	0 980 41	ISO 16
50	0 980 43	ISO 20
50	0 980 45	ISO 25
25	0 980 46	ISO 32
25	0 980 47	ISO 40

Cable glands

Characteristics

Halogen-free polyamide UL 94-V2
Operating temperature: - 20 °C to + 80 °C
Self-extinguishing 850 °C according to IEC 60695-2-11

Dimensions (mm)



ISO

Cat.Nos	Threading	A	B	Ø D	C (to flat)	Ø F	Drilling Ø	C1	E	Ø D1
0 980 00	ISO 12	22	10	16.8	15	11.9	12.7	19	5	21
0 980 01	ISO 16	26	10	21	19	15.9	16.2	22	5	24
0 980 03	ISO 20	29	12	26.5	24	19.8	20.4	26	6	28
0 980 05	ISO 25	35	15	36	33	24.8	25.4	32	6	35
0 980 06	ISO 32	40	15	46.5	42	31.6	32.5	42	7	43
0 980 07	ISO 40	49	17	58.5	53	39.9	40.5	50	7	56
0 980 08	ISO 50	54	17	66.5	60	50	50.8	60	8	66
0 980 09	ISO 63	54	18	75	68	62.9	64	75	8	82

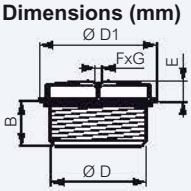
PG

Cat.Nos	Threading	A	B	Ø D	C (to flat)	Ø F	Drilling Ø	C1	E	Ø D1
0 980 20	PG 7	22	10	16.8	15	12.5	12.7	19	5	21
0 980 21	PG 9	26	10	21	19	15.2	15.2	22	5	24
0 980 22	PG 11	27	12	24.5	22	18.6	18.6	24	5	26
0 980 23	PG 13.5	29	12	26.5	24	20.4	20.4	26	6	28
0 980 24	PG 16	30	13	29.5	27	22.5	22.5	32	6	35
0 980 25	PG 21	35	15	36	33	28.3	28.3	36	7	38
0 980 26	PG 29	40	15	46.5	42	37	37	46	7	51
0 980 27	PG 36	49	17	58.5	53	47	47	60	8	66
0 980 28	PG 42	54	17	66.5	60	54	54	70	8	78
0 980 29	PG 48	54	18	75	68	60	60	75	8	82

Stopping plugs

Polyamide

Dimensions (mm)



Cat.Nos	Threading	Ø D	D1	F X G	B	E
0 980 41	ISO 16	15.8	20.5	8 x 2	12	3.9
0 980 43	ISO 20	19.8	25	8 x 2	12	3.8
0 980 45	ISO 25	24.8	30.5	8 x 2	12	4.4
0 980 46	ISO 32	31.8	38	8 x 2	12	4.9
0 980 47	ISO 40	39.8	46.5	8 x 2	12.5	4.9

Metal cable glands IP 68

ISO and PG



0 955 05



0 955 09



0 955 16

Metal cable glands

Mechanically tightened cable glands with neoprene weatherproof seal for IP 68 protection. Locking part consisting of flexible blades which exert strong pressure on the cable thus giving the product excellent tensile strength
Supplied with surface seal mounted

ISO

Conform to EN 50262

Pack	Cat.Nos	ISO	Clamping capacity Ø Min. (mm)	Ø Max. (mm)
20	0 955 01	16	5.5	9.5
20	0 955 03	20	7	13
10	0 955 05	25	8	16
5	0 955 06	32	11	21
5	0 955 07	40	15	27
2	0 955 08	50	22	35
2	0 955 09	63	35	48

PG

Conform to UTE C 68-300 and 68-312 guides recommendations

Pack	Cat.Nos	PG	Clamping capacity Ø Min. (mm)	Ø Max. (mm)
20	0 955 10	7	3	6.5
20	0 955 11	9	4	9
20	0 955 12	11	6	11.5
20	0 955 13	13.5	7	13
20	0 955 14	16	10	15
10	0 955 15	21	11	19
10	0 955 16	29	16	26
10	0 955 17	36	22	34.5
2	0 955 18	42	27	40
2	0 955 19	48 DIN	35	48

Metal locking nuts

ISO

Pack	Cat.Nos	
50	3 866 31	ISO 16
50	3 866 32	ISO 20
50	3 866 33	ISO 25
50	3 866 34	ISO 32
25	3 866 35	ISO 40
10	3 866 36	ISO 50
10	3 866 37	ISO 63

PG

Pack	Cat.Nos	
50	3 866 21	PG 7
50	3 866 22	PG 9
50	3 866 23	PG 11
50	3 866 24	PG 13.5
50	3 866 25	PG 16
50	3 866 26	PG 21
25	3 866 27	PG 29
25	3 866 28	PG 36
10	3 866 29	PG 42
10	3 866 30	PG 48

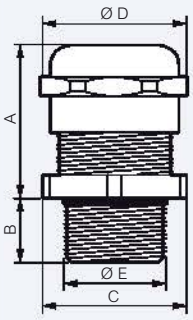
Metal cable glands IP 68

Cable glands

Characteristics

Nickel-plated brass (locking part in polyamide)
Operating temperature : - 25 °C + 85 °C

Dimensions (mm)



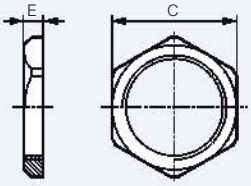
Cat.Nos	Threading	A max.	B	Ø D	C (to flat)	Ø E	Drilling Ø
0 955 01	ISO 16	25	5	19	17	15.9	16.2
0 955 03	ISO 20	27	6	24	22	19.8	20.4
0 955 05	ISO 25	27	7	30	27	24.6	25.4
0 955 06	ISO 32	31	8	36	34	31.6	32.5
0 955 07	ISO 40	34	8	46	42	39.7	40.5
0 955 08	ISO 50	37	9	60	55	49.7	50.8
0 955 09	ISO 63	45	10	70	65	62.6	64

Cat.Nos	Threading	A max.	B	Ø D	C (to flat)	Ø E	Drilling Ø
0 955 10	PG 7	21	5	15.6	14	12.4	12.7
0 955 11	PG 9	25	6	19	17	15.1	15.2
0 955 12	PG 11	25	6	22	20	18.4	18.6
0 955 13	PG 13.5	26	6.5	24	22	20.3	20.4
0 955 14	PG 16	28	6.5	26.6	24	22.4	22.5
0 955 15	PG 21	32	7	33	30	27.7	28.3
0 955 16	PG 29	36	8	44	40	36.9	37
0 955 17	PG 36	39	9	55.6	50	46.9	47
0 955 18	PG 42	42	10	63	58	54	54
0 955 19	PG 48	44	10	69.5	65	60	60

Locking nuts

Nickel-plated brass

Dimensions (mm)

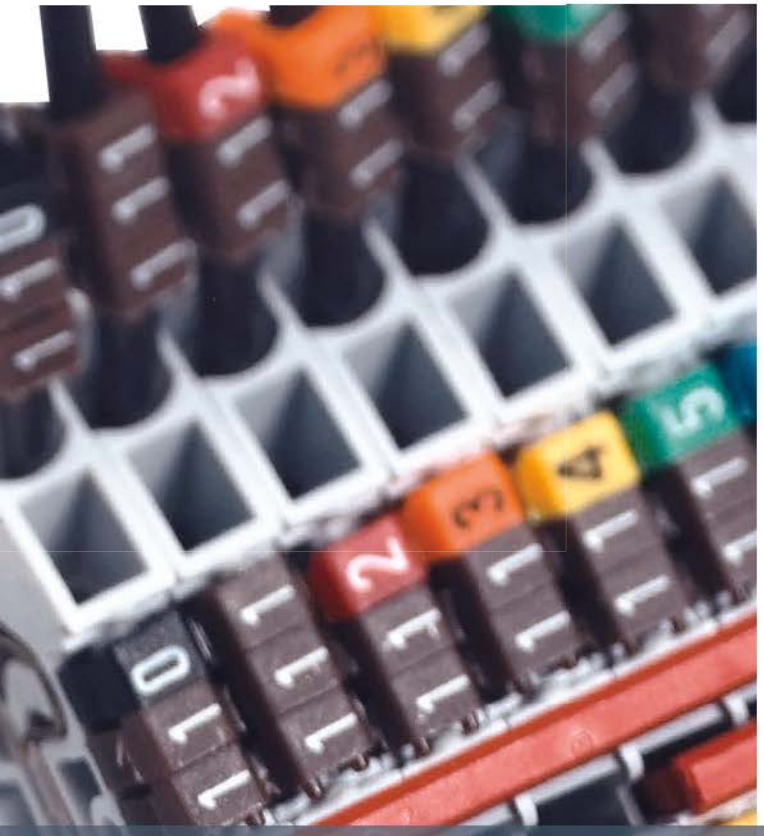


ISO

Cat.Nos	Threading	C	E
3 866 31	ISO 16	19	3
3 866 32	ISO 20	24	3.5
3 866 33	ISO 25	30	4
3 866 34	ISO 32	36	4
3 866 35	ISO 40	46	5
3 866 36	ISO 50	60	5
3 866 37	ISO 63	70	6

PG

Cat.Nos	Threading	C	E
3 866 21	PG 7	15	2.8
3 866 22	PG 9	18	2.8
3 866 23	PG 11	21	3
3 866 24	PG 13.5	23	3
3 866 25	PG 16	26	3
3 866 26	PG 21	32	3.5
3 866 27	PG 29	41	4
3 866 28	PG 36	51	5
3 866 29	PG 42	60	6
3 866 30	PG 48	65	6.5



EQUIPMENT & ACCESSORIES

Cabling components & marking systems



P. 272
Colring cable ties



P. 292
Starfix ferrules & crimping tools

Control and signalling devices, transformers & power supplies



P. 302
Osmoz non-illuminated heads control & signalling units



P. 312
Control & circuit isolation transformers

Industrial sockets & other equipment



NEW
P. 326
P 17 Tempra Pro IP 44 - 16/32 A industrial sockets & plugs



P. 339
P 17 Tempra interlocked switched sockets

NEW PRODUCTS 2014



IP 55 transformers and auto-transformers
(p. 314)



P 17 Tempra Pro
industrial sockets & plugs
(p. 326)



P. 280
Viking 3 terminal blocks with screw connection



P. 282
Viking 3 terminal blocks with spring connection



P. 284
Accessories for Viking 3 terminal blocks



P. 290
Viking 3 power terminal blocks



P. 294
CAB 3 marking system



P. 297
Memocab marking system



P. 299
Transcab cable ducting



P. 300
Lina 25 cable ducting



P. 303
Osmoz illuminated heads control & signalling units



P. 308
Cam switches



P. 311
Selective measurement switches



NEW
P. 312
Control & safety transformers



P. 313
Equipment transformers



NEW
P. 314
IP 55 transformers & auto-transformers



P. 322
Filtered & rectified power supplies



P. 327
P 17 Tempra ELV IP 44 - 16/32 A industrial sockets & plugs



P. 328
P 17 Tempra Pro IP 66/67 - 16/32 A industrial sockets & plugs



P. 329
P 17 Tempra IP 66/67 - 63/125 A industrial sockets & plugs



P. 336
P 17 Tempra combined units to be composed



P. 340
Hypra IP 44 16/32/63 A industrial sockets & plugs



P. 342
Hypra IP 66/67 16/32/63/125 A industrial sockets & plugs



P. 348
Bells for industrial & alarm use

Colring™ equipment cable ties



0 320 42 blister packing


0 320 61/14/31/19/20/49

Under Writers Laboratories Listed (Etats-Unis)

(see p. 826)

Technical characteristics **p. 274**

For series assembly of electrical cables
With self blocking head and internal teeth
Conform to EN 62275 type 1 (NFC 68-146)

Colring colourless cable ties

Blister packing 100 pcs

Pack	Cat.Nos	Width (mm)	Flat length (mm)	Ø grip capacity (mm) Max.	Ø grip capacity (mm) Min.
1000/**10000**	0 320 30	2.4	95	18	1.6
1000/**10000**	0 320 31	2.4	140	33	1.6
1000/**6000**	0 320 32	2.4	180	46	1.6
1000/**4000**	0 320 37	3.5	140	33	1.6
1000/**4000**	0 320 38	3.5	180	46	1.6
100/**2000**	0 320 39	3.5	280	77	1.6
100/**2000**	0 320 40	3.5	360	102	1.6
1000/**4000**	0 320 42	4.6	180	46	1.6
100/**2000**	0 320 43	4.6	280	77	1.6
100/**2000**	0 320 44	4.6	360	102	1.6
100/**1000**	0 320 47[3]	7.6	180	42	4.8
100	0 320 49[3]	7.6	360	98	4.8
100	0 320 50[3]	7.6	720	218	4.8
100/**1000**	0 320 45[2]	7.6	550	166	4.8
100/**1000**	0 320 46[2]	9	760	218	14
100/**500**	0 320 48[2]	9	810	246	14
50/**500**	0 320 51[2]	12.6	1030	317	20

Sachet packing 100 pcs

Except Cat.No 0 318 38: 50 pcs

Pack	Cat.Nos	Width (mm)	Flat length (mm)	Ø grip capacity (mm) Max.	Ø grip capacity (mm) Min.
8000	0 318 20	2.4	95	18	1.6
4000	0 318 21	2.4	140	33	1.6
4000	0 318 22	2.4	180	46	1.6
4000	0 318 23	3.5	140	33	1.6
4000	0 318 24	3.5	180	46	1.6
4000	0 318 25	3.5	280	77	1.6
3000	0 318 26	3.5	360	102	1.6
4000	0 318 27	4.6	180	46	1.6
3000	0 318 28	4.6	280	77	1.6
2500	0 318 29	4.6	360	102	1.6
100	0 318 33	4.6	430	125	1.6
1200	0 318 30	7.6	180	42	4.8
1500	0 318 34	7.6	290	78	4.8
1000	0 318 31	7.6	360	98	4.8
100	0 318 35	7.6	550	166	4.8
100	0 318 32[1]	7.6	720	218	4.8
100	0 318 36	9	710	218	14
100	0 318 37	9	810	246	14
500	0 318 38	12.6	1030	317	20

Identification colourless cable ties

Sachet packing 100 pcs

Pack	Cat.Nos	Width (mm)	Flat length (mm)	Ø grip capacity (mm) Max.	Ø grip capacity (mm) Min.
100/**3000**	0 320 61[1]	2.4	95	18	4
100/**2500**	0 320 63[1]	4.6	180	46	9.5

Colring black cable ties

High temperature
UV protected

Blister packing 100 pcs

Except Cat.Nos 0 320 25 to 0 320 29:
Sachet packing (50 pcs for Cat.No 0 320 28)

Pack	Cat.Nos	Width (mm)	Flat length (mm)	Ø grip capacity (mm) Max.	Ø grip capacity (mm) Min.
1000	0 320 12	2.4	95	18	1.6
1000	0 320 13	2.4	140	33	1.6
1000	0 320 14	2.4	180	46	1.6
1000	0 320 15	3.5	140	33	1.6
1000	0 320 18	3.5	180	46	1.6
100/**2000**	0 320 19	3.5	280	77	1.6
100/**2000**	0 320 20	3.5	360	102	1.6
1000	0 320 22	4.6	180	46	1.6
100/**2000**	0 320 23	4.6	280	77	1.6
100/**2000**	0 320 24	4.6	360	102	1.6
100/**2000**	0 320 29[3]	7.6	360	98	4.8
100	0 320 25[2]	7.6	550	166	4.8
100	0 320 26[2]	9	760	218	14
100	0 320 27[2]	9	810	246	14
500	0 320 28[2]	12.6	1030	317	20

Sachet packing 100 pcs

Except Cat.No 0 318 18: 50 pcs

Pack	Cat.Nos	Width (mm)	Flat length (mm)	Ø grip capacity (mm) Max.	Ø grip capacity (mm) Min.
8000	0 318 00	2.4	95	18	1.6
4000	0 318 01	2.4	140	33	1.6
4000	0 318 02	2.4	180	46	1.6
4000	0 318 03	3.5	140	33	1.6
4000	0 318 04	3.5	180	46	1.6
4000	0 318 05	3.5	280	77	1.6
3000	0 318 06	3.5	360	102	1.6
4000	0 318 07	4.6	180	46	1.6
3000	0 318 08	4.6	280	77	1.6
2500	0 318 09	4.6	360	102	1.6
100	0 318 13	4.6	430	125	1.6
100	0 318 10	7.6	180	42	4.8
1500	0 318 14	7.6	290	78	4.8
1000	0 318 11	7.6	360	98	4.8
100	0 318 15	7.6	550	166	4.8
100	0 318 12[1]	7.6	720	218	4.8
100	0 318 16	9	710	218	14
100	0 318 17	9	810	246	14
500	0 318 18	12.6	1030	317	20

1: Non orientated head
2: Sachet packing 100 pcs
3: Non orientated head and sachet packing 100 pcs

Colson cable ties,
p. 570



Colring™ accessories for equipment cable ties


0 320 88


0 320 65


0 320 67


0 320 68


0 320 72


0 320 76


0 320 85


0 395 98

Pack	Cat.Nos	Colring tool	
1	0 320 88	P. 46 Colring tool for cable ties max. width 4.6 mm Direct adjustment of clamping tension by using the milled screw at the base of handle After clamping, a blade automatically cuts the surplus length close to the head without leaving a burr For cable ties width 7.6 and 9 mm, use Colson tool Cat.No 0 319 96 (p. 570)	
		Bases	
		Self-adhesive	
100/**2000**	0 320 65	Possibility to screw fixing Ø4 mm Colourless - 25 x 30 x 6 mm For cable ties max. width 4.6 mm	
100/**2000**	0 320 67	Black - 25 x 30 x 6 mm For cable ties max. width 4.6 mm	
50	0 320 68	Black - 38 x 38 x 9.4 mm For cable ties max. width 20 mm	
		Screw-mounting	
		Colourless	
1000	0 320 70	For cable ties max. width 4.6 mm 15 x 10 x 6 mm - Screw fixing Ø4 mm	
100	0 320 72	For cable ties max. width 9 mm 21 x 16.5 x 8.8 mm - Screw fixing Ø5 mm	
		Clip-on	
1000	0 320 76	For cable ties max. width 4.6 mm For th. 0.5 to 3 mm, drilling Ø6 to 6.5 mm Mounting on Lina 12.5 plates for cabinets and enclosures and on Lina 25 plates for cabinets (p. 256)	
		Marking accessories	
100	0 320 85	White identification plate 38.5 x 19 mm for cable ties max. width 4.6 mm Use felt tip pen Cat.No 0 395 98 for marking	
10	0 395 98	Black felt tip pen Indelible for marking	

Easy to use cable ties for wires, cables or marking systems

Designed for assembly in series of wires or electrical cables, with self-blocking head and internal teeth, Colring cable ties and accessories simplify your work and save your time.
Marking systems allow a perfect identification of the circuits.



Duplix system p. 571

DUPLIX MARKING SYSTEM
Opened or closed marking system with markers or labels.
Fitted using 2.4 and 3.5 mm Colring cable ties.



Identification plates p. 273

IDENTIFICATION PLATES
White identification plates 38.5 x 19 mm
Fitted using 4.6 mm Colring cable ties.

Viking 3 terminal blocks **p. 276**



Colson cable ties **p. 570**



Colring™ equipment cable ties

Performance

Conform to EN 62275 type 1 (NFC 68-146)
"cable ties for electrical installations"
Recognized : UL 1565 approval

Ratchet / tensile strength and temperature resistance

	Cat.Nos	Ratchet force (daN)	Tensile strength according to EN 50146		Temperature resistance		
			test (mm)	Min tensile strength (daN)	Max. operating temperature (°C)	Min. operating temperature (°C)	Min. installation temperature (°C)
Colourless Colring cable ties	0 320 30	0.5	18	8	75	-40	-10
	0 320 31	0.5	20	8	75	-40	-10
	0 320 32	0.5	38	8	75	-40	-10
	0 320 37	0.5	20	13	75	-40	-10
	0 320 38	0.5	38	13	75	-40	-10
	0 320 39	0.5	38	13	75	-40	-10
	0 320 40	0.5	38	13	75	-40	-10
	0 320 42	0.5	38	22	75	-40	-10
	0 320 43	0.5	38	22	75	-40	-10
	0 320 44	0.5	38	22	75	-40	-10
	0 320 47	1	38	53	75	-40	-10
	0 320 49	1	38	53	75	-40	-10
	0 320 50	1	38	53	75	-15	-10
	0 320 52	0.45	20	8	75	-40	-10
	0 320 54	0.6	20	13	75	-40	-10
	0 320 55	0.9	38	22	75	-40	-10
	0 320 57	0.9	38	22	75	-40	-10
	0 320 58	1.5	38	53	75	-40	-10
	0 320 61	0.5	38	8	75	-40	-10
	0 320 63	0.5	38	22	75	-40	-10
	0 320 45	2	38	53	75	-15	-10
	0 320 46	2	38	77	75	-15	-10
	0 320 48	2	38	77	75	-15	-10
	0 320 51	2	38	111	75	-15	-10
Black Colring cable ties	0 320 12	0.5	18	8	105	-40	0
	0 320 13	0.5	20	8	105	-40	0
	0 320 14	0.5	38	8	105	-40	0
	0 320 15	0.5	20	13	105	-40	0
	0 320 18	0.5	38	13	105	-40	0
	0 320 19	0.5	38	13	105	-40	0
	0 320 20	0.5	38	13	105	-40	0
	0 320 22	0.5	38	22	105	-40	0
	0 320 23	0.5	38	22	105	-40	0
	0 320 24	0.5	38	22	105	-40	0
	0 320 29	1	38	53	105	-40	0
	0 320 25	2	38	53	85	-15	0
	0 320 26	2	38	77	85	-15	0
	0 320 27	2	38	77	85	-15	0
	0 320 28	2	38	111	85	-15	0

	Cat.Nos	Ratchet force (daN)	Tensile strength according to EN 50146	Temperature resistance		
			Min tensile strength (daN)	Max. operating temperature (°C)	Min. operating temperature (°C)	Min. installation temperature (°C)
Colourless Colring cable ties	0 318 20	1	8	85	-15	-10
	0 318 21	1	8	85	-15	-10
	0 318 22	1	8	85	-15	-10
	0 318 23	1	13	85	-15	-10
	0 318 24	1	13	85	-15	-10
	0 318 25	1	13	85	-15	-10
	0 318 26	1	13	85	-15	-10
	0 318 27	1.5	22	85	-15	-10
	0 318 28	1.5	22	85	-15	-10
	0 318 29	1.5	22	85	-15	-10
	0 318 33	1.5	22	85	-15	-10
	0 318 30	2	53	85	-15	-10
	0 318 34	2	53	85	-15	-10
	0 318 31	2	53	85	-15	-10
	0 318 35	2	53	85	-15	-10
	0 318 32	2	53	85	-15	-10
	0 318 36	2	77	85	-15	-10
	0 318 37	2	77	85	-15	-10
	0 318 38	2	111	85	-15	-10
Black Colring cable ties	0 318 00	1	8	105	-15	0
	0 318 01	1	8	105	-15	0
	0 318 02	1	8	105	-15	0
	0 318 03	1	13	105	-15	0
	0 318 04	1	13	105	-15	0
	0 318 05	1	13	105	-15	0
	0 318 06	1	13	105	-15	0
	0 318 07	1.5	22	105	-15	0
	0 318 08	1.5	22	105	-15	0
	0 318 09	1.5	22	105	-15	0
	0 318 13	1.5	22	105	-15	0
	0 318 10	2	53	105	-15	0
	0 318 14	2	53	105	-15	0
	0 318 11	2	53	105	-15	0
	0 318 15	2	53	105	-15	0
	0 318 12	2	53	105	-15	0
	0 318 16	2	77	105	-15	0
	0 318 17	2	77	105	-15	0
	0 318 18	2	111	105	-15	0

External agents resistance

- Good resistance to bases, oils, greases, petroleum products, chlorinated solvents
- Humidity retention: 1.5 % ≤ humidity retention ≤ 3 %

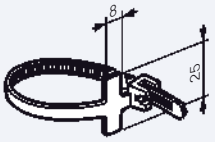
Fire resistance

- Flame resistance UL 94: V2
- Flame-retardant
- Needle flame test according to IEC 60695-11-5
- Oxygen index: EN ISO 4589-1 / ASTM D 2863-00: 28.5% (26% for Colring black)
- Halogen-free polyamide, class 1 acc. to ASTM D 4066 (Class 2 for Colring black)

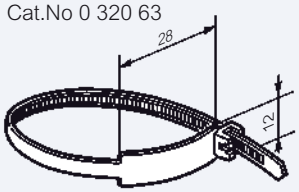
Dimensions

Identification cable ties

Cat.No 0 320 61

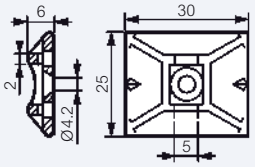


Cat.No 0 320 63



Accessories

Cat.Nos 0 320 65/67



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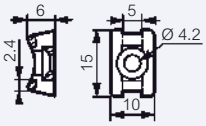

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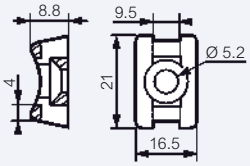

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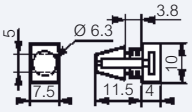

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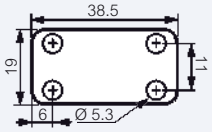


Example of use

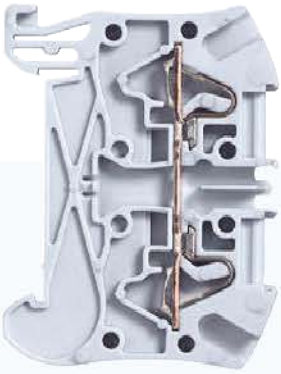


Duplix marker holders Cat.No 0 384 52 (p. 571), attached using 2 Colring cable ties Cat.No 0 320 31, equipped with labels

VIKING™ 3

Screw or automatic spring connection





SCREW CONNECTION

- High contact pressure
- Excellent mechanical strength
- Permissible cross-sections: 0.25 mm² to 70 mm² (flexible wire) and 0.25 mm² to 95 mm² (rigid wire)
- Identical height for blocks of 16 mm² to 70 mm²



Single end caps for pitches of 5 to 10.

AUTOMATIC SPRING CONNECTION

- No tool required for connection
- Constant contact pressure
- Permissible cross-sections: 0.5 mm² to 16 mm² with or without ferrule
- Integrated end caps for pitches of 6 to 12



Optimized terminal block size. Identical electrical characteristics for blocks with a pitch of 5 and those with a pitch of 6.



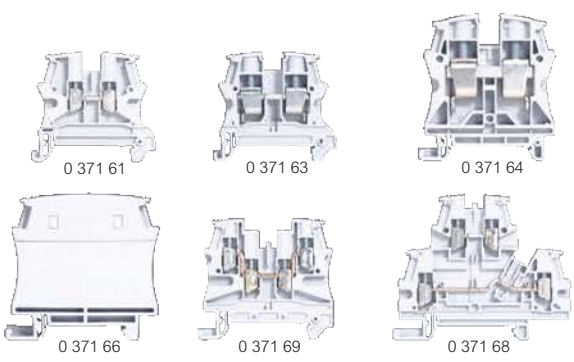
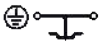
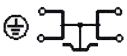
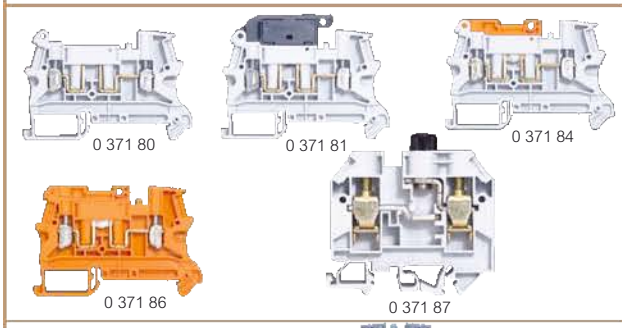
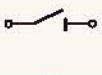
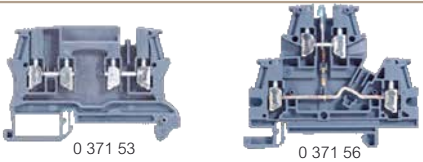
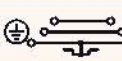
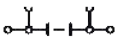
Addition of functions on module for equipping: standard, neutral or protected isolation, mini-circuit-breaker, automotive-type fuse, etc.

International approvals: UL/CSA/NF/IMQ/BV
ATEX certification

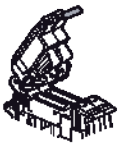
Conform to IEC EN 60947-7-1, IEC EN 60947-7-2 and IEC EN 60947-7-3

Viking™ 3 terminal blocks with screw connection and accessories

for copper cables

Approvals (p. 826)				ELECTRICAL FUNCTION
 0 371 61, 0 371 63, 0 371 64, 0 371 66, 0 371 69, 0 371 68, 0 371 00, 0 371 08, 0 371 20, 0 371 30, 0 371 78, 0 371 98	**Connecting** (p. 280)	1 connection - 1 entry/1 outlet		
		1 connection - 2 entries/2 outlets		
		2 connections on 2 levels		
		3 connections on 3 levels		
 0 371 71, 0 371 76, 0 371 79	**For protection conductor** (p. 280)	1 connection - 1 entry/1 outlet - metal base		
		1 connection - 2 entries/2 outlets - metal base		
 0 371 80, 0 371 81, 0 371 84, 0 371 86, 0 371 87	**Disconnect** (p. 281)	1 connection	Open (to be equipped)	
			For fuse cartridge 5 x 20 with handle lever	
			For fuse cartridge 5 x 20 with handle lever + blown fuse indicator	
			For neutral circuit with handle lever	
			For standard circuit: With handle lever	
			For standard circuit: With mini lever	
			For circuit not broken: With handle lever	
			For circuit not broken: With mini lever	
			For fuse cartridge 5 x 20 with screwed plug	
 0 371 53, 0 371 56	**Function blocks** (p. 281)	1 connection	Modular	
			Diode carrier 1N4007	
		2 connections on 2 levels	Diode carrier 1N4007	
			With voltage presence LED	
 0 371 51, 0 371 52, 0 371 92	**For sensor and actuator** (p. 281)	3 connections on 3 levels	Sensor	
			Actuator	
	PNE (p. 280)		Phase/Neutral/Earth	
	Measurement (p. 281)	1 connection	Disconnect for measuring circuit	

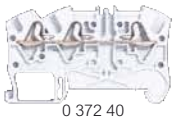
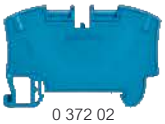
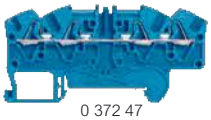
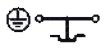
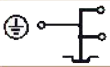
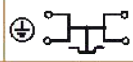
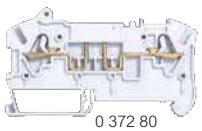
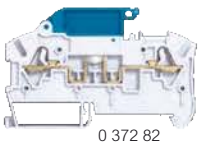
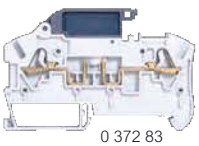
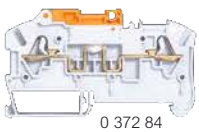
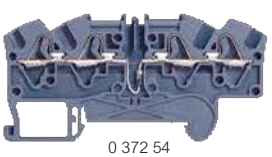
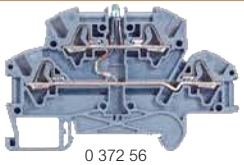
1: Blown fuse indicator 12/24/48 V ⎓ /∿ Cat.No 0 375 24 or 110/250 V∿ Cat.No 0 375 25 - 2: Or end stop Cat.No 0 375 10 - 3: Upper level only - 4: Lower level only - 5: Lower and intermediate levels

TERMINAL BLOCKS				INSULATION		EQUIPOTENTIAL LINK					PROTECTION		MEASURE-MENT	ASSOCIATED PRODUCTS
Nominal cross-section (mm^2)	Pitch (mm)	Colour	Cat.Nos	End cap	Separation and insulation divider	Automatic insertion birdging comb: 2 red blocks	Automatic insertion birdging comb: 10 red blocks	Automatic insertion birdging comb: 10 blue blocks	Comb for 12 blocks, side	Bar for 12 blocks, front	Single pole screen	Cut to length screen	Test socket	
2.5	5		0 371 60	0 375 50(2)	0 375 60	0 375 02	0 375 01 ●	0 375 00 ●			0 375 65	0 375 68	0 375 27(7)	 End stops (p. 284)
			0 371 00											
			0 371 20											
			0 371 30											
4	6		0 371 61	0 375 50(2)	0 375 60	0 375 05	0 375 04 ●	0 375 03 ●			0 375 65	0 375 68	0 375 27(7)	
			0 371 01											
			0 371 21											
			0 371 31											
			0 371 77											
6	8		0 371 62	0 375 50(2)	0 375 60	0 375 07(6) 0 375 08(6)					0 375 66	0 375 68	0 375 27	 Label holder for end stop (p. 284)
			0 371 02											
			0 371 78											
10	10		0 371 63	0 375 50(2)	0 375 60					0 375 40	0 375 66	0 375 68	0 375 75	
			0 371 03											
16	12		0 371 64	0 375 51	0 375 61					0 375 42	0 375 67	0 375 69	0 375 76	
			0 371 04											
			0 371 98											
35	15		0 371 65	0 375 51	0 375 61					0 375 44	0 375 67	0 375 69	0 375 76	
			0 371 05											
			0 371 99											
70	22		0 371 66	built-in										
4	6		0 371 69	0 375 52	0 375 62	0 375 05	0 375 04 ●	0 375 03 ●					0 375 27(7)	 Handle lever mini lever (p. 285)
			0 371 09											
2.5	5		0 371 67	0 375 53	0 375 63	0 375 02	0 375 01 ●	0 375 00 ●					0 375 27(3)(7)	
			0 371 07											
4	6		0 371 68	0 375 53	0 375 63	0 375 05	0 375 04 ●	0 375 03 ●					0 375 27(3)(7)	
			0 371 08											
2.5	5		0 371 51	0 375 54	0 375 54	0 375 02(3)	0 375 01 ●(3)	0 375 00 ●(3)	0 375 46 ●(5) 0 375 47 ●(5)				0 375 27(3)(7)	
2.5	5		0 371 70	0 375 50(2)										 Joining rods for disconnect blocks (p. 285)
4	6		0 371 71											
6	8		0 371 72											
10	10		0 371 73											
16	12		0 371 74	0 375 51										
35	15		0 371 75											
35	15		0 371 76											
4	6		0 371 79	0 375 52										
2.5	6		0 371 80	0 375 55	0 375 62	0 375 05	0 375 04 ●	0 375 03 ●					0 375 27(7)	 Blown fuse indicators (p. 285)
			0 371 81	0 375 55	0 375 62	0 375 05	0 375 04 ●	0 375 03 ●						
			0 371 81 + 0 375 24/25(1)											
			0 371 82											
			0 371 83											
			0 371 84	0 375 55	0 375 62	0 375 05	0 375 04 ●	0 375 03 ●					0 375 27(7)	
			0 371 85	0 375 55	0 375 62	0 375 05	0 375 04 ●	0 375 03 ●						
			0 371 86	0 375 55	0 375 62	0 375 05	0 375 04 ●	0 375 03 ●					0 375 27(7)	
10	12		0 371 87	0 375 56										 Shielding (p. 286)
2.5	5		0 371 53	0 375 55		0 375 02	0 375 01 ●	0 375 00 ●					0 375 27(7)	
			0 371 54											
4	6		0 371 55	0 375 53	0 375 63	0 375 05	0 375 04 ●	0 375 03 ●					0 375 27(3)(7)	
			0 371 56	0 375 53	0 375 63	0 375 05(4)	0 375 04 ●(4)	0 375 03 ●(4)						
2.5	5		0 371 51	0 375 54	0 375 54	0 375 02(3)	0 375 01 ●(3)	0 375 00 ●(3)	0 375 46 ●(5) 0 375 47 ●(5)				0 375 27(3)(7)	 CAB 3 (p. 294)
			0 371 52											
4	8		0 371 92	0 375 57									0 375 77	

6: Cat.No 0 375 07 for 3 terminal blocks - 7: Permanent measurement: side by side installation of 2 test sockets not possible

Viking™ 3 terminal blocks with spring connection and accessories

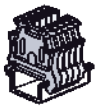
for copper cables

Approvals (p. 826)				ELECTRICAL FUNCTION
 0 372 60  0 372 61  0 372 64  0 372 40  0 372 69  0 372 68  0 372 02  0 372 47  0 372 21  0 372 42	**Connecting** (p. 282)	1 connection - 2 wires - 1 entry/1 outlet		
		1 connection - 3 wires - 1 entry/2 outlets		
		1 connection - 4 wires - 2 entries/2 outlets		
		2 connections - 4 wires - 2 levels		
 0 372 70  0 372 71  0 372 72  0 372 12	**For protection conductor** (p. 282)	1 connection - 2 wires - 1 entry/1 outlet - metal base		
		1 connection - 3 wires - 1 entry/2 outlets - metal base		
		1 connection - 4 wires - 2 entries/2 outlets - metal base		
 0 372 80  0 372 82  0 372 83  0 372 84	**Disconnect** (p. 283)	1 connection 2 wires	Open (to be equipped)	
			For fuse cartridge 5 x 20 with handle lever	
			For fuse cartridge 5 x 20 with handle lever + blown fuse indicator	
			For neutral circuit with handle lever	
			For standard circuit: With handle lever	
			For standard circuit: With mini lever	
			For circuit not broken: With handle lever	
			For circuit not broken: With mini lever	
 0 372 54  0 372 56	**Function blocks** (p. 283)	1 connection 4 wires 2 entries/2 outlets	Diode carrier 1N4007	
		2 connections 4 wires 2 levels	Diode carrier 1N4007	
			With voltage presence LED	

1: Blown fuse indicator 12/24/48V⎓ /∿ Cat.No 0 375 24 or 110/250V∿ Cat.No 0 375 25 - 2: Lower level only - 3: Upper level only - 4: Current IEC 60947-7-1 : max. 24 A
5: Cat.No 0 375 07 for 3 terminal blocks - 6: Permanent measurement: side by side installation of 2 test sockets not possible

TERMINAL BLOCKS				INSULATION		EQUIPOTENTIAL LINK			MEASUREMENT
Nominal cross-section (mm^2)	Pitch (mm)	Colour	Cat.Nos	End cap	Separation and insulation divider	Atomatic insertion bridging comb			Test socket
						2 red blocks	10 red blocks	10 blue blocks	
4	5		0 372 60	0 375 86	0 375 95	0 375 02(4)	0 375 01 (4)	0 375 00 (4)	0 375 27(6)
			0 372 00						
			0 372 20						
4	6		0 372 61	built-in	0 375 95	0 375 05	0 375 04	0 375 03	0 375 27(6)
			0 372 01						
			0 372 21						
6	8		0 372 62	built-in		0 375 07/08(5)			0 375 27
			0 372 02						
10	10		0 372 63	built-in		0 375 82			
			0 372 03						
16	12		0 372 64	built-in		0 375 85			
			0 372 04						
4	5		0 372 40	0 375 87	0 375 95	0 375 02(4)	0 375 01 (4)	0 375 00 (4)	0 375 27(6)
			0 372 41						
			0 372 42						
4	6		0 372 43	built-in	0 375 95	0 375 05	0 375 04	0 375 03	0 375 27(6)
			0 372 44						
4	5		0 372 46	0 375 88	0 375 95	0 375 02(4)	0 375 01 (4)	0 375 00 (4)	0 375 27(6)
			0 372 47						
4	6		0 372 69	built-in		0 375 05	0 375 04	0 375 03	0 375 27(6)
			0 372 09						
4	5		0 372 67	0 375 89	0 375 96	0 375 02(4)	0 375 01 (4)	0 375 00 (4)	0 375 27(3)(6)
			0 372 07						
4	6		0 372 68	built-in	0 375 96	0 375 05	0 375 04	0 375 03	0 375 27(3)(6)
			0 372 08						
4	5		0 372 70	0 375 86					
4	6		0 372 71	built-in					
6	8		0 372 72						
10	10		0 372 73						
16	12		0 372 74						
4	5		0 372 10	0 375 87					
4	6		0 372 11	built-in					
4	5		0 372 12	0 375 88					
4	6		0 372 79	built-in					
2.5	6		0 372 80	0 375 90		0 375 05	0 375 04	0 375 03	0 375 27(6)
			0 372 81	0 375 90		0 375 05	0 375 04	0 375 03	
			0 372 81 + 0 375 24/25(1)						
			0 372 82						
			0 372 83						
			0 372 84	0 375 90		0 375 05	0 375 04	0 375 03	0 375 27(6)
			0 372 85	0 375 90		0 375 05	0 375 04	0 375 03	
			0 372 86	0 375 90		0 375 05	0 375 04	0 375 03	0 375 27(6)
4	5		0 372 54	0 375 88	0 375 95				
			0 372 55	0 375 89	0 375 96	0 375 02(4)	0 375 01 (4)	0 375 00 (4)	
			0 372 56	0 375 89	0 375 96	0 375 02(2)(4)	0 375 01 (2)(4)	0 375 00 (2)(4)	

ASSOCIATED PRODUCTS



End stops (p. 284)



Label holder for end stop (p. 284)



Handle lever mini lever (p. 285)



Joining rods for disconnect blocks (p. 285)



Blown fuse indicators (p. 285)



Shielding (p. 286)



CAB 3 (p. 294)

Viking™ 3 terminal blocks with screw connection

for copper cables



TN-C-S
earthing schema
PEN separation
0 371 98 + 0 371 04 + 0 375 42



0 371 61 + 0 371 01 + 0 371 21 + 0 371 31 + 0 371 77



0 371 69



0 371 68



0 371 70 on rail ⎽⌊



0 371 74



0 371 76



Same profile up to 10 mm pitch and same height from 12 to 22 mm pitch

Technical characteristics **p. 287** dimensions **see e-catalogue**
Approvals **p. 826**

Used to make the electrical connection between 2 flexible copper wires with ou without ferrules or 2 rigid copper wires
2 areas for automatic insertion bridging combs up to 8 pitch (upper level only for multi-level blocks)
For rails ⎽⌊ depth 15 mm, ⎽⌊ EN 60715 depth 7.5 mm and 15 mm

Connecting

Grey for standard circuit, blue for neutral conductor, orange for circuit not broken by the master isolating device, red for special circuits (safety, protected, etc), green for protection conductor class II equivalent assemblies

1 connection - 1 entry/1 outlet

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
60	0 371 60	Grey	2.5	0.25 to 4	0.25 to 2.5	5
60	0 371 00	Blue				
60	0 371 20	Orange				
60	0 371 30	Red				
50	0 371 61	Grey	4	0.25 to 6	0.25 to 4	6
50	0 371 01	Blue				
50	0 371 21	Orange				
50	0 371 31	Red				
50	0 371 77	Green				
40	0 371 62	Grey	6	0.5 to 10	0.25 to 6	8
40	0 371 02	Blue				
40	0 371 78	Green				
30	0 371 63	Grey	10	1.5 to 16	2.5 to 10	10
30	0 371 03	Blue				
20	0 371 64	Grey	16	1.5 to 25	4 to 16	12
20	0 371 04	Blue				
20	0 371 98	Green				
20	0 371 65	Grey	35	2.5 to 50	4 to 35	15
20	0 371 05	Blue				
20	0 371 99	Green				
10	0 371 66[1]	Grey	70	25 to 95	16 to 70	22

1 connection - 2 entries/2 outlets

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
25	0 371 69	Grey	4	0.25 to 6	0.25 to 4	6
25	0 371 09	Blue				

2 connections on 2 levels

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
60	0 371 67	Grey	2.5	0.25 to 4	0.25 to 2.5	5
60	0 371 07	Blue				
60	0 371 68	Grey	4	0.25 to 6	0.25 to 4	6
60	0 371 08	Blue				

3 connections on 3 levels

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
50	0 371 51[2]	Grey	2.5	0.25 to 4	0.25 to 2.5	5

For protection conductor

Metal base

1 connection - 1 entry/1 outlet

Screwless fixing on rail up to 10 mm pitch and with screws for pitch 12 and 15 mm
PEN from 10 mm²

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
60	0 371 70	Green/yellow	2.5	0.25 to 4	0.25 to 2.5	5
50	0 371 71	Green/yellow	4	0.25 to 6	0.25 to 4	6
40	0 371 72	Green/yellow	6	0.5 to 10	0.25 to 6	8
30	0 371 73	Green/yellow	10	1.5 to 16	2.5 to 10	10
10	0 371 74	Green/yellow	16	1.5 to 25	4 to 16	12
10	0 371 75	Green/yellow	35	2.5 to 50	4 to 35	15

1 connection - bare block

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
10	0 371 76	-	35	2.5 to 50	4 to 35	15

1 connection - 2 entries/2 outlets

Screwless fixing on rail

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
50	0 371 79	Green/yellow	4	0.25 to 6	0.25 to 4	6

PNE - Phase/Neutral/Earth

3 connections on 3 levels

Metal base
Green/yellow marking for the lower level
Screwless fixing on rail

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
50	0 371 52[2]	Grey	2.5	0.25 to 4	0.25 to 2.5	5

1: Built-in end cap
2: Rigid wire capacity: 2.5 mm² max. with equipotential bridging comb

Viking 3 power terminal blocks
p. 290

CAB 3 marking system
p. 294

Viking™ 3 terminal blocks with screw connection

for copper cables (continued)


0 371 80 + automotive-type fuse


0 371 82 + 0 371 83 + 0 371 85


0 371 84 + 0 371 86


0 371 87


0 371 53


0 371 55


0 371 51


0 371 52


0 371 92

Technical characteristics **p. 287** dimensions **see e-catalogue**
Approvals **p. 826**

Used to make the electrical connection between 2 flexible copper wires with ou without ferrules or 2 rigid copper wires
2 areas for automatic insertion bridging combs up to 8 pitch (upper level only for multi-level blocks)
For rails ⊔ depth 15 mm, ⊔ EN 60715 depth 7.5 mm and 15 mm

Disconnect terminal blocks 1 connection

Opening by means of blade type lever, handle lever or mini lever (with tool)

Open (to be equipped)

Can take blade type levers Cat.Nos 0 375 15/16/17/18 or in ELV installations a blade-type automotive fuse or a miniature circuit-breaker

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
20	0 371 80	Grey	2.5	0.25 to 2.5	0.25 to 2.5	6
For fuse cartridge 5 x 20 with handle lever						
20	0 371 81	Grey	2.5	0.25 to 2.5	0.25 to 2.5	6
For neutral circuit with blue handle lever						
20	0 371 82	Grey/blue	2.5	0.25 to 2.5	0.25 to 2.5	6
For standard circuit with handle lever						
20	0 371 83	Grey	2.5	0.25 to 2.5	0.25 to 2.5	6
For standard circuit with mini lever						
20	0 371 84	Grey	2.5	0.25 to 2.5	0.25 to 2.5	6
For circuit not broken with handle lever						
Circuit not broken by the master isolating device						
20	0 371 85	Orange	2.5	0.25 to 2.5	0.25 to 2.5	6
For circuit not broken with mini lever						
Circuit not broken by the master isolating device						
20	0 371 86	Orange	2.5	0.25 to 2.5	0.25 to 2.5	6
For cartridge 5 x 20 with screwed plug						
20	0 371 87	Grey	10	0.25 to 10	0.25 to 10	12

Function blocks

1 connection - modular

Component connected with screws

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
20	0 371 53	Grey	2.5	0.25 to 4	0.25 to 2.5	5
1 connection - diode carrier						
20	0 371 54	Grey	2.5	0.25 to 4	0.25 to 2.5	5
2 connections on 2 levels - diode carrier						
60	0 371 55	Grey	4	0.25 to 6	0.25 to 4	6
2 connections on 2 levels - with LED						
Voltage presence indicator (12/24V⎓ and ∿)						
60	0 371 56	Grey	4	0.25 to 6	0.25 to 4	6

For sensors and actuators

For connecting sensors (Cat.No 0 371 51) or actuators (Cat.No 0 371 52), and their shared power supply unit using equipotential bridging comb Cat.Nos 0 375 46/47

3 connections on 3 levels - for sensor

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
50	0 371 51[1]	Grey	2.5	0.25 to 4	0.25 to 2.5	5
3 connections on 3 levels - for actuator						
Green/yellow marking for the lower level						
Metal base. Screwless fixing on rail						
50	0 371 52[1]	Grey	2.5	0.25 to 4	0.25 to 2.5	5

Disconnect for measurement

1 connection

With its accessories, allows intervention (measurements, maintenance, etc) on a current, voltage and power measuring circuit by keeping the current transformer secondary circuit closed

Pack	Cat.Nos	Colour	Capacity: Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²) with or without ferrules	Pitch (mm)
25	0 371 92	Grey	4	0.25 to 4	0.25 to 4	8

1: Rigid wire capacity: 2.5 mm² max with equipotential brigding comb

For detailed dimensions, **see e-catalogue**

Blade type levers, joining rods and blown fuse indicators **p. 285**
Accessories **p. 284**

Viking™ 3 terminal blocks with spring connection

for copper cables



0 372 60 + 0 372 00 + 0 372 20



0 372 01



0 372 21



0 372 63



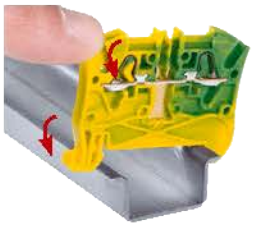
0 372 40



0 372 67



Automatic insertion of flexible wire with ferrule cap or rigid wire up to pitch of 6 mm



0 372 70
Automatic fixing on rail ⎵



0 372 72



0 372 79

Technical characteristics **p. 288** dimensions **see e-catalogue**
Approvals **p. 826**

Screwless connection system, stainless steel spring type
Used to make the electrical connection between 2 rigid copper wires, or flexible copper wires with or without ferrules (p. 292)
Direct tool-free insertion of a rigid wire or flexible wire with ferrule, up to 6 mm pitch
2 areas for automatic insertion bridging combs (upper level only for 2-level blocks)
For rails ⎵ depth 15 mm, ⎵ EN 60715 depth 7.5 mm and 15 mm

Connecting

Grey for standard circuit, blue for neutral conductor, orange for circuit not broken by the master isolating device

Pack	Cat.Nos	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
1 connection - 2 wires - 1 entry/1 outlet							
60	0 372 60	Grey					
60	0 372 00	Blue	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	0 372 20	Orange					
50	0 372 61[1]	Grey					
50	0 372 01[1]	Blue	4	0.5 to 6	0.5 to 4	0.5 to 4	6
50	0 372 21[1]	Orange					
50	0 372 62[1]	Grey					
50	0 372 02[1]	Blue	6	0.5 to 6	0.5 to 6	0.5 to 6	8
40	0 372 63[1]	Grey					
40	0 372 03[1]	Blue	10	0.75 to 10	0.75 to 10	0.75 to 10	10
10	0 372 64[1]	Grey					
10	0 372 04[1]	Blue	16	4 to 16	4 to 16	4 to 16	12
1 connection - 3 wires - 1 entry/2 outlets							
60	0 372 40	Grey					
60	0 372 41	Blue	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	0 372 42	Orange					
50	0 372 43[1]	Grey					
50	0 372 44[1]	Blue	4	0.5 to 6	0.5 to 4	0.5 to 4	6
1 connection - 4 wires - 2 entries/2 outlets							
60	0 372 46	Grey					
60	0 372 47	Blue	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
50	0 372 69[1]	Grey					
50	0 372 09[1]	Blue	4	0.5 to 6	0.5 to 4	0.5 to 4	6
2 connections - 4 wires - 2 levels							
60	0 372 67	Grey					
60	0 372 07	Blue	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
50	0 372 68[1]	Grey					
50	0 372 08[1]	Blue	4	0.5 to 6	0.5 to 4	0.5 to 4	6

For protection conductor

Metal base
Screwless fixing on rail
PEN from 10 mm²

Pack	Cat.Nos	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
1 connection - 2 wires - 1 entry/1 outlet							
60	0 372 70	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
50	0 372 71[1]	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 4	6
25	0 372 72[1]	Green/yellow	6	0.5 to 6	0.5 to 6	0.5 to 6	8
20	0 372 73[1]	Green/yellow	10	0.75 to 10	0.75 to 10	0.75 to 10	10
15	0 372 74[1]	Green/yellow	16	4 to 16	4 to 16	4 to 16	12
1 connection - 3 wires - 1 entry/2 outlets							
40	0 372 10	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
30	0 372 11[1]	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 4	6
1 connection - 4 wires - 2 entries/2 outlets							
40	0 372 12	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
30	0 372 79[1]	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 4	6

1: Built-in end cap

Starfix ferrules and crimping tools
p. 292

CAB 3 marking system
p. 294

Viking™ 3 terminal blocks with spring connection

for copper cables (continued)



0 372 80 with automotive-type fuse



0 372 81 open



0 372 81 with blown fuse indicator (p. 285)



0 372 82 + 0 372 83 + 0 372 85



0 372 84



0 372 54



0 372 56

Technical characteristics **p. 288** dimensions **see e-catalogue**
Approvals **p. 826**

Screwless connection system, stainless steel spring type
Used to make the electrical connection between 2 rigid copper wires, or flexible copper wires with or without ferrules (p. 292)
Direct tool-free insertion of a rigid wire or flexible wire with ferrule, up to 6 mm pitch
2 areas for automatic insertion bridging combs (upper level only for 2-level blocks)
For rails ⊔ depth 15 mm, ⊔ EN 60715 depth 7.5 mm and 15 mm

Disconnect terminal blocks 1 connection - 2 wires

Opening by means of blade type lever, handle lever or mini lever (with tool)

Open (to be equipped)
Can take blade type levers Cat.Nos 0 375 15/16/17/18 or in ELV installations a blade-type automotive fuse or a miniature circuit-breaker

Pack	Cat.Nos	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
20	0 372 80	Grey	2.5	0.5 to 2.5	0.5 to 2.5	0.5 to 2.5	6
		For fuse cartridge 5 x 20 with handle lever					
20	0 372 81	Grey	2.5	0.5 to 2.5	0.5 to 2.5	0.5 to 2.5	6
		For neutral circuit with blue handle lever					
20	0 372 82	Grey/blue	2.5	0.5 to 2.5	0.5 to 2.5	0.5 to 2.5	6
		For standard circuit with handle lever					
20	0 372 83	Grey	2.5	0.5 to 2.5	0.5 to 2.5	0.5 to 2.5	6
		For standard circuit with mini lever					
20	0 372 84	Grey	2.5	0.5 to 2.5	0.5 to 2.5	0.5 to 2.5	6
		For circuit not broken with handle lever Circuit not broken by the master isolating device					
20	0 372 85	Orange	2.5	0.5 to 2.5	0.5 to 2.5	0.5 to 2.5	6
		For circuit not broken with mini lever Circuit not broken by the master isolating device					
20	0 372 86	Orange	2.5	0.5 to 2.5	0.5 to 2.5	0.5 to 2.5	6

Function blocks

1 connection - 4 wires - 2 entries/2 outlets - diode carrier

Pack	Cat.Nos	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
60	0 372 54	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
		2 connections - 4 wires - 2 levels - diode carrier					
60	0 372 55	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
		2 connections - 4 wires - 2 levels - with LED Voltage presence indicator (12/24V⎓ et ∿)					
60	0 372 56	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5

Blade type levers, joining rods and blown fuse indicators **p. 285**

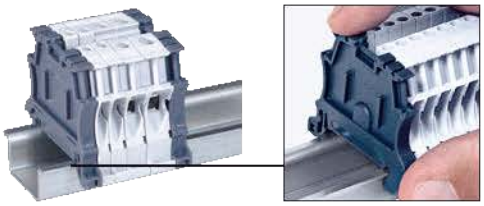
Accessories **p. 284** to **286**

Starfix ferrules and crimping tools **p. 292**



For detailed dimensions, **see e-catalogue**

Viking™ 3 accessories for terminal blocks



End stop 0 375 10, screwless mounting



0 375 11 with label holder 0 395 96



0 375 12 with CAB 3 labelling



0 375 13 with label holder Duplix 0 384 98

Technical characteristics **p. 289**

Pack	Cat.Nos	Rails for cutting to length
		Length 2 m
10	0 374 04	⌙ EN 60715 depth 7.5 mm
10	0 374 07	⌙ depth 15 mm
10	0 477 22	⌙ depth 7.5 mm with oblong holes
10	0 477 23	⌙ depth 15 mm with oblong holes

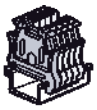
Pack	Cat.Nos	45° mounting bracket
10	0 394 49	Set of 2 supports for 45° rail slope Supplied with 4 M6 screws,nuts and washers



Pack	Cat.Nos	Adaptor
20	0 364 66	For mounting on rail ⌐¬ equipment fitting on rail ⌙ Width 17 mm Increase equipment height for 6 mm



Pack	Cat.Nos	End stops
		Accept CAB 3 markers
		Automatic 6 mm pitch
50	0 375 10	Screwless mounting For rails ⌙ depth 15 mm and ⌙ EN 60715 depth 7.5 mm and 15 mm Accepts label holder Cat.No 0 395 96 Acts as end cap for screw terminal blocks 1 entry/1 outlet 5, 6, 8 and 10 mm pitch



		8 mm pitch
20	0 375 11	For rails ⌙ depth 15 mm and ⌙ EN 60715 depth 7.5 mm and 15 mm Accepts label holder Cat.No 0 395 96
		10 mm pitch
10	0 375 12	For rails ⌙ depth 15 mm and ⌙ EN 60715 depth 7.5 mm (except for rail fixed on plate) and 15 mm For supporting protection or schielding bar: - Brass bar Cat.Nos 0 373 00/01 (p. 209) - Copper bar 12 x 4 mm with clamps Cat.No 0 373 02 (p. 209) - IP 2X terminal block with flat steel bar 12 x 2 mm Cat.No 0 048 19 (p. 180) - Copper bar 12 x 4 mm Cat.No 0 373 49 or 0 373 89 (p. 209) - Shielding bar 10 x 3 mm Cat.No 0 375 34 (p. 286)
		12 mm pitch
20	0 375 13	For rails ⌐¬ EN 60715, ⌙ depth 15 mm and ⌙ EN 60715 depth 7.5 mm and 15 mm After cutting out the upper divider, can be labelled using Duplix label holder Cat.No 0 384 98

Pack	Cat.Nos	Identification accessories
20	0 395 96	Transparent label holder with variable angle Fixing on end stops Cat.Nos 0 375 10/11 Supplied with label 32 x 9.5 mm Can take label Cat.No 0 395 97
20	0 395 97	Label for engraving 28 x 9.5 mm For label holder Cat. No 0 395 96. Flexible ABS White background, black engraving
10	0 395 98	Black felt tip pen for permanent marking



		End caps
		Grey
		For screw terminal blocks
100	0 375 50	1 entry/1 outlet 5, 6, 8 and 10 mm pitch
20	0 375 51	1 entry/1 outlet 12 and 15 mm pitch
20	0 375 52	2 entries/2 outlets
20	0 375 53	2 levels
20	0 375 54	3 levels
20	0 375 55	Disconnect type 6 mm pitch and function blocks 5 mm pitch
20	0 375 56	Disconnect type fuse cartridge 5 x 20 with screwed plug
10	0 375 57	Disconnect for measurement

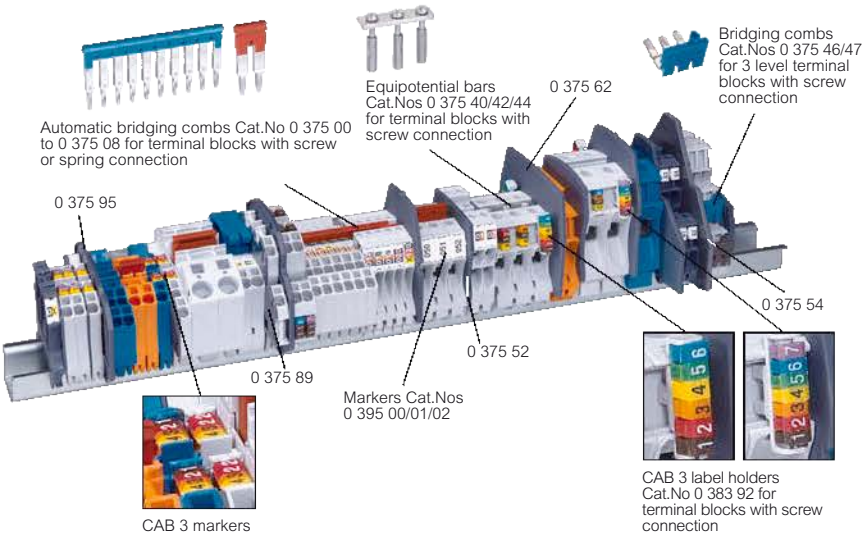


		For spring terminal blocks with 5 mm pitch
		Allows the block to become 6 mm pitch and take a flexible wire fitted with a 4 mm² ferrule (p. 292)
50	0 375 86	1 entry/1 outlet
50	0 375 87	1 entry/2 outlets
20	0 375 88	2 entries/2 outlets
20	0 375 89	2 levels



		For spring terminal blocks with 6 mm pitch
20	0 375 90	Disconnect type

Viking™ 3 accessories for terminal blocks (continued)




0 371 80 + 0 375 15 + 0 375 25


0 375 15


0 375 16


0 375 17


0 372 81 + 0 375 24


0 375 18

Technical characteristics **p. 289**

Separation and insulation dividers

Pack	Cat.Nos	
		Grey
		For screw terminal blocks
20	0 375 60	1 entry/1 outlet 5, 6, 8 and 10 mm pitch
10	0 375 61	1 entry/1 outlet 12 and 15 mm pitch
10	0 375 62	2 entries/2 outlets and disconnect type 6 mm pitch
10	0 375 63	2 levels
20	0 375 54	3 levels
		For spring terminal blocks
10	0 375 95	1 entry/1 outlet, 1 entry/2 outlets and 2 entries/2 outlets 5 and 6 mm pitch
10	0 375 96	2 levels



Equipotential bridging accessories

Pack	Cat.Nos	
		Brigding combs for screw and spring terminal blocks
		Front mounting (automatic insertion), screwless
		Isolated and separable
		Consecutive or alternating connection
20	0 375 00[1]	For 10 blocks with 5 mm pitch - blue
20	0 375 01[1]	For 10 blocks with 5 mm pitch - red
50	0 375 02[1]	For 2 blocks with 5 mm pitch - red
20	0 375 03[2]	For 10 blocks with 6 mm pitch - blue
20	0 375 04[2]	For 10 blocks with 6 mm pitch - red
50	0 375 05[2]	For 2 blocks with 6 mm pitch - red
20	0 375 07[3]	For 3 blocks with 8 mm pitch - red
20	0 375 08[3]	For 2 blocks with 8 mm pitch - red



		Bars for screw terminal blocks
		Front mounting with screws
		Pre-assembled, not insulated bar
		Consecutive or alternating connection
10	0 375 40	For 12 blocks with 10 mm pitch
10	0 375 42[4]	For 12 blocks with 12 mm pitch
10	0 375 44	For 12 blocks with 15 mm pitch



		Bridging combs for 3-level screw terminal blocks
		For lower and intermediate levels of blocks Cat.Nos 0 371 51/52
		Side mounting
		Insulated and separable
10	0 375 46	For 12 blocks with 5 mm pitch - brown
10	0 375 47	For 12 blocks with 5 mm pitch - blue

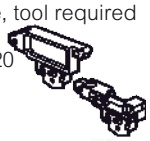


		Bridging combs for spring terminal blocks
		Front mounting (automatic insertion), screwless
		Isolated
		Red
20	0 375 82	For 2 blocks with 10 mm pitch
20	0 375 85	For 2 blocks with 12 mm pitch



Accessories for disconnect blocks

Pack	Cat.Nos	
		For screw and spring terminal blocks
		Blade type levers
		For open blocks Cat. Nos 0 371 80 and 0 372 80
		Manual disconnection for handle type, tool required for mini lever type
50	0 375 15	With handle lever for fuse cartridge 5 x 20
50	0 375 16	Blue handle lever for neutral
50	0 375 17	Grey handle lever
50	0 375 18	Mini lever



		Joining rods
		For handle and mini lever
20	0 375 21	For 2 blocks
20	0 375 22	For 3 blocks

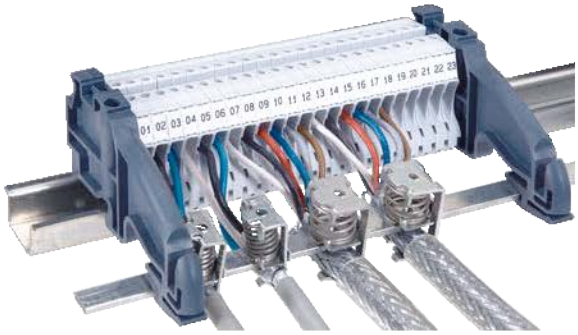


		Blown fuse indicators
		Clip directly onto blocks Cat.Nos 0 371 81, 0 372 81 or handle lever 0 375 15 (with power off)
50	0 375 24	12/24/48 V⎓ and ∿ for block with fuse cartridge 5 x 20 with handle lever
50	0 375 25	110/250 V∿ for block with fuse cartridge 5 x 20 with handle lever



1: Cat. No 0 371 51/52: upper level only
Cat. No 0 372 56: lower level only
Cat. No 0 372 54: non shuntable
2: Cat. No 0 371 56: lower level only
3: Except for Cat.No 0 371 92
4: Except for Cat.No 0 371 87

Viking™ 3 accessories for terminal blocks (continued)



Shielding terminal block with end stops 0 375 12, bar 0 375 34 and clamps 0 375 30/31



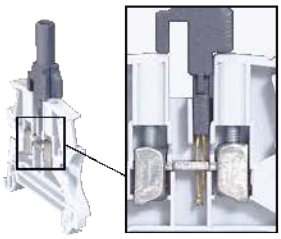
0 375 76 + 0 371 64



0 375 77 + 0 371 92 open



0 375 66 + 0 371 63 + 0 371 03



0 375 27 + 0 371 61

Pack	Cat. Nos	Shielding accessories
		Ensure safe, simple connection of cable shielding
		Shielding clamps
		For screw and spring terminal blocks - mounted by pivoting on collector bar 10 x 3 mm Cat.No 0 375 34 - mounted on plate with M4 screws (supplied) - mounted on rail ⊔ with Cat.No 0 364 69
10	0 375 30	For cable Ø 3 to 8 mm
10	0 375 31	For cable Ø 4 to 13.5 mm
4	0 375 32	For cable Ø 10 to 20 mm
		Shielding bar
		For screw and spring terminal blocks Steel Length 1 m For use with end stops Cat.No 0 375 12
10	0 375 34	10 x 3 mm
		Screening continuity bracket
50	0 375 35	For screw terminal blocks 1 entry/1 outlet 5, 6, 8 and 10 mm pitch Connected with 2.8 x 0.8 mm clips or welded on Capacity: 1 mm²

Pack	Cat.Nos	Protective screens
		1 pole
		For screw terminal blocks 1 entry/1 outlet
10	0 375 65	5 and 6 mm pitch
10	0 375 66	8 and 10 mm pitch
10	0 375 67	12 and 15 mm pitch
		Cut to length
		Length 1 m Mounted on separation and insulation divider For screw terminal blocks 1 entry/1 outlet Can be equipped with CAB 3 marking system for terminal blocks (p. 294)
10	0 375 68	5, 6, 8 and 10 mm pitch (divider Cat.No 0 375 60)
10	0 375 69	12 and 15 mm pitch (divider Cat.No 0 375 61)

		Measurement accessories
		For screw and spring terminal blocks
10	0 375 27[1]	Measurement socket for Ø4 mm plug for blocks with 5, 6 and 8 mm pitch
		For screw terminal blocks
50	0 375 75	Measurement socket for Ø2 mm plug for blocks with 10 mm pitch Cat.Nos 0 371 03/63
20	0 375 76	Measurement socket for Ø4 mm plug for blocks with 12 and 15 mm pitch Cat.Nos 0 371 04/05/64/65
10	0 375 77	Measurement socket for Ø4 mm plug for disconnect block for measurement Cat.No 0 371 92
		IP 2X safety tip adaptor
10	0 394 45	Ø2 mm test plug - Retractable tube For performing ad-hoc tests in accordance with regulations on the protection of workers Fixes directly on the Ø4 mm plug

1: Except for disconnect blocks with handle lever, screw terminal block with LED and spring function blocks. 2 and 3-level terminal blocks: upper level only. Side by side installation of 2 measurment sockets is possible only with 8 mm pitch blocks

Viking™ 3 terminal blocks with screw connection

Characteristics and dimensions (mm)

V2 polyamide according to UL 94, 960 °C according to IEC EN 60695-2-11
Insulating material for terminal blocks: polyamide - 30° C to + 100° C

Connecting blocks

Cat.Nos	Voltage (V)			Current (A)				Nominal cross-section		
	IEC	CSA	UL	Ie	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 371 00/20/30/60	800	600	600	27	24	20	20	2.5	12	12
0 371 01/21/31/61				36	32	30	30	4	10	10
0 371 02/62				48	41	46	46	6	8	8
0 371 03/63				63	57	60	60	10	6	6
0 371 04/64/98				85	76	85	85	16	4	4
0 371 05/65/99				138	125	115	115	35	2	2
0 371 07/67	500	300	300	27	24	20	20	2.5	12	12
0 371 08/68				36	32	30	30	4	10	10
371 09/69				36	32	30	30	4	10	10
0 371 66	1000	600	600	213	192	200	200	70	000	000
0 371 77	800	600	600	36	32	30	30	4	10	10
0 371 78				48	41	46	46	6	8	8

Cat.No 0 371 51: see blocks for sensors
IEC 60947-7-1, CSA no. 22-2 no. 158, UL 1059
Ie: Rated current NF C 15100 table 52H, column 4

Approved by ATEX:
LCIE 07 ATEX 0010 U-0081 Ex II 1 or 2 G or D Ex e/i/tD/iD II

The terminal blocks with screw connection covered by this certificate are 1-, 2- and 3-level connecting terminal blocks, and blocks for protection conductor with metal base(1) (detailed list on p. 826)
The main characteristics are:
Operating temperature: - 30 °C to + 55 °C
Maximum temperature of materials: + 85 °C

Working voltage acc. to EN 60079-7: 1-level terminal blocks: 500 V
Blocks with 2 entries - 2 outlets: 250 V
2 and 3-level terminal blocks: 250 V

Rated current:

Conductor cross-section (mm²)	2.5	4	6	10	16	35	70
Rated current (A)	18	23	30	42	57	93	145

Attestation of conformity of component for the customer is available on request

1: Except for Cat.No 0 371 76

Blocks for protection conductor

Cat.Nos	Voltage (V)			Current (A)		Nominal cross- section		
	IEC	CSA	UL	Ie	IEC	IEC (mm²)	CSA (AWG)	UL (AWG)
0 371 70	800	600	600	-	-	2.5	12	12
0 371 71				-	-	4	10	10
0 371 72				-	-	6	8	8
0 371 73(1)				63	57	10	6	6
0 371 74(1)				85	76	16	4	4
0 371 75(1)				138	125	35	2	2
0 371 76	-	-	-	-	-	35	-	-
0 371 79	500	300	300	-	-	4	10	10

IEC 60947-7-2, CSA no. 22-2 no. 158, UL 1059
Ie: Rated current NF C 15100 table 52H, column 4
1: PEN terminal blocks

Disconnect terminal blocks

Cat.Nos	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 371 80	500	300	300	15	15	15	2.5	12	12
0 371 81 or 0 371 80 + 0 375 15	250	250	250	6.3	6.3	6.3			
0 371 82	500	300	300	15	15	15			
0 371 83									
0 371 84									
0 371 85									
0 371 86									
0 371 87	250	250	250	10	10	10	10	6	6

IEC 60947-7-1/7-3, CSA no. 22-2 no. 158, UL 1059

Power according to IEC 60947-7-3

Cat.Nos	Short-circuit		Short-circuit + overload	
	Separate blocks	Assembled blocks	Separate blocks	Assembled blocks
0 371 81 or 0 371 80 + 0 375 15(1)	4 W / 6.3 A Pvk = 4.75 W	1.6 W/6.3 A Pvk = 2 W	1.6 W/6.3 A Pv = 1.65 W	-
0 371 87	4 W Pvk = 5 W	2.5 W Pvk = 2.7 W	1.6 W Pv = 1.8 W	-

1: With or without blown fuse indicator Cat.No 0 375 25

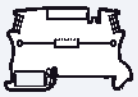
Function blocks

Cat.Nos	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 371 53	250	-	-	-	-	-	2.5	-	-
0 371 54	250	-	-	1	-	-	2.5	-	-
0 371 55	500	300	300	1	1	1	4	10	10
0 371 56	12 to 24	12 to 24	12 to 24	32	30	30	4	10	10

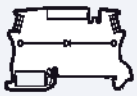
IEC 60947-7-1, CSA no. 22-2 no. 158, UL 1059

Schematic diagrams

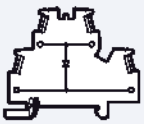
Cat.No 0 371 53



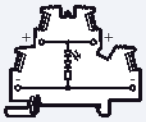
Cat.No 0 371 54



Cat.No 0 371 55



Cat.No 0 371 56



Diode for Cat.Nos 0 371 54/55
- 1N4007 type 1A
- direct current ⎓ 1 A
- peak inverse voltage 1000 V
- inverse current 5 µA at 25 °C

Blocks for sensors and actuators/PNE

Cat.Nos	Voltage (V)			Current (A)				Nominal cross-section		
	IEC	CSA	UL	Ie	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 371 51	400	300	300	27	24	20	20	2.5	12	12
0 371 52										

IEC 60947-7-1/7-2, CSA no. 22-2 no. 158, UL 1059
Ie: Rated current NF C 15100 table 52H, column 4

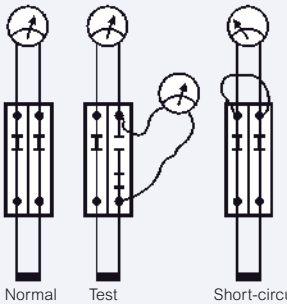
Disconnect block for measurement

Cat.Nos	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 371 92	800	-	-	24	-	-	4	-	-

IEC EN 60947-7-1

Wiring principle for measurement blocks Cat.No 0 371 92

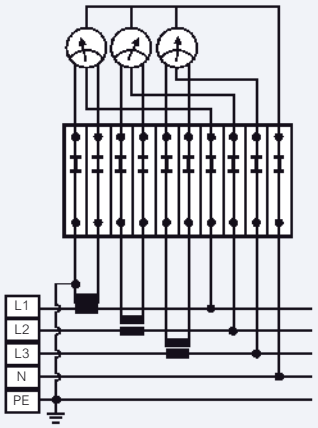
Ammeter circuit



Normal position | Test position | Short-circuit position

Per circuit:
2 x Disconnect blocks for measurement Cat.No 0 371 92
4 x Measurement sockets for Ø4 mm plug Cat.No 0 375 77
1 x End cap Cat.No 0 375 57
1 x Shunt with Ø4 mm plugs

Wattmeter circuit



10 x Disconnect blocks for measurement Cat.No 0 371 92
12 x Measurement sockets for Ø4 mm plug Cat.No 0 375 77
1 x End cap Cat.No 0 375 57
3 x Shunts with Ø4 mm plugs

Stripped lengths (mm)

Screw terminal pitch (mm)	Rigid or flexible wire
5	6 to 8
6	
8	10 to 12
10	
12	13 to 17 except for Cat.No 0 371 87 : 11 to 14
15	14 to 18
22	15 to 22

Protection against fire and panic risks in public buildings/UTE C 12-201 guide

Art. EL 3, definitions: "Security installations are those that have to be put into or maintained in service to ensure the evacuation of the public or facilitate the intervention of the first-aid"

Art. EL 16, power supply circuits in security installations section 1a: "…the corresponding junction or deviation devices and their enclosures, except for the waterproofing systems, must satisfy the incandescent wire test defined in the standard in force, the temperature of the incandescent wire being 960 °C"
Viking 3 terminal blocks satisfy the incandescent wire test 960 °C according to standard IEC 60695-2-11

Dimensions
see e-catalogue

Viking™ 3 terminal blocks with spring connection

Characteristics

V2 polyamide according to UL 94, 960 °C according to IEC EN 60695-2-11
Insulating material for terminal blocks: polyamide - 30° C to + 100° C

Connecting blocks

Cat.Nos	Voltage (V)			Current (A)				Nominal cross- section		
	IEC	CSA	UL	Ie	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 372 00	800	600	600	36	32	20	20	4	12	12
0 372 01										
0 372 02				48	41	30	30	6	10	10
0 372 03				63	57	50	50	10	8	8
0 372 04				85	76	60	60	16	6	6
0 372 07	500	300	300	36	32	20	20	4	10	10
0 372 08										
0 372 09	800	600	600			20	20		12	12
0 372 20										
0 372 21										
0 372 40										
0 372 41										
0 372 42										
0 372 43										
0 372 44										
0 372 46										
0 372 47										
0 372 60										
0 372 61										
0 372 62				48	41	30	30	6	10	10
0 372 63				63	57	50	50	10	8	8
0 372 64				85	76	60	60	16	6	6
0 372 67	500	300	300	36	32	20	20	4	12	12
0 372 68										
0 372 69	800	600	600			20	20		12	12

IEC 60947-7-1, CSA no. 22-2 no. 158, UL 1059
Ie: Rated current NF C 15100 table 52H, column 4

Blocks for protection conductor

Cat.Nos	Voltage (V)			Current (A)		Nominal cross- section		
	IEC	CSA	UL	Ie	IEC	IEC (mm²)	CSA (AWG)	UL (AWG)
0 372 10	800	600	600	-	-	4	12	12
0 372 11								
0 372 12								
0 372 70								
0 372 71								
0 372 72						6		
0 372 73[1]				63	57	10	8	8
0 372 74[1]				85	76	16	6	6
0 372 79				-	-	4	12	12

IEC 60947-7-2, CSA no. 22-2 no. 158, UL 1059
Ie: Rated current NF C 15100 table 52H, column 4
1: PEN terminal blocks

Function blocks

Cat.Nos	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 372 54	500	300	300	1	0.6	0.6	4	12	12
0 372 55									
0 372 56	12 to 24	12 to 24	12 to 24	-	-	-			

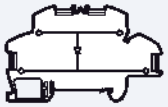
IEC 60947-7-1, CSA no. 22-2 no. 158, UL 1059

Schematic diagrams

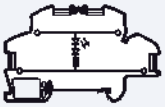
Cat.No 0 372 54



Cat.No 0 372 55



Cat.No 0 372 56



Diode for Cat.Nos 0 372 54/55
- 1N4007 type 1A
- direct current ⎓ 1 A
- peak inverse voltage 1000 V
- inverse current 5 µA at 25 °C

Approved by ATEX:
LCIE 07 ATEX 0010 U-0081 Ⓔx II 1 or 2 G or D Ex e/i/tD/iD II

The terminal blocks with spring connection covered by this certificate are 1- and 2-level connecting terminal blocks, and blocks for protection conductor with metal base (detailed list on p. 826)
The main characteristics are:
Operating temperature: - 30 °C to + 55 °C
Maximum temperature of materials: + 85 °C

Working voltage acc. to EN 60079-7: 1-level terminal blocks: 500 V
2-level terminal blocks: 250 V

Rated current:

Conductor cross-section (mm²)	4	6	10	16
Rated current (A)	23	30	42	57

Attestation of conformity of component for the customer is available on request

Disconnect blocks

Cat.Nos	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 372 80	500	300	300	15	14	14	2.5	14	14
0 372 81 or 0 372 80 + 0 375 15	250	250	250	6.3	6.3	6.3			
0 372 82	500	300	300	15	14	14			
0 372 83									
0 372 84									
0 372 85									
0 372 86									

IEC 60947-7-1/7-3, CSA no. 22-2 no. 158, UL 1059

Power according to IEC 60947-7-3

Cat.Nos	Short-circuit		Short-circuit + overload	
	Separate blocks	Assembled blocks	Separate blocks	Assembled blocks
0 372 81 ou 0 372 80 + 0 375 15[1]	4 W / 6.3 A	1.6 W / 6.3 A	1.6 W / 6.3 A	-
	Pvk = 4.75 W	Pvk = 2 W	Pv = 1.65 W	-

(1): With or without blown fuse indicator Cat.No 0 375 25

Stripped lengths (mm)

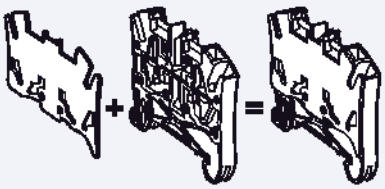
Spring terminal pitch (mm)	Rigid or flexible wire
5	8 to 12
6	
8	
10	8 to 13
12	8 to 15

Protection against fire and panic risks in public buildings/UTE C 12-201 guide

Art. EL 3, definitions: "Security installations are those that have to be put into or maintained in service to ensure the evacuation of the public or facilitate the intervention of the first-aid"
Art. EL 16, power supply circuits in security installations section 1a: "...the corresponding junction or deviation devices and their enclosures, except for the waterproofing systems, must satisfy the incandescent wire test defined in the standard in force, the temperature of the incandescent wire being 960 °C"
Viking 3 terminal blocks satisfy the incandescent wire test 960 °C according to standard IEC 60695-2-11

Blocks with 5 mm pitch/6 mm pitch

The active part of spring terminal blocks with 5 mm pitch is identical to that of blocks with 6 mm pitch. The absence of an end cap is the only difference between blocks with 5 mm pitch and blocks with 6 mm pitch



End cap + block with 5 mm pitch

Block with 6 mm pitch and built-in divider

Terminal blocks with 5 mm pitch are therefore 4 mm² nominal / 32 A blocks. Only a connection with end cap limits terminal blocks with 5 mm pitch to 2.5 mm² / 24 A:

	Rigid conductor	Flexible conductor	Flexible conductor with ferrule
Blocks with 5 mm pitch	6 mm² / 32 A	4 mm² / 32 A	2,5 mm² / 24 A
Blocks with 6 mm pitch			4 mm² / 32 A

Spring terminal blocks with 5 mm pitch can therefore reduce the dimensions of 32 A terminal blocks connected with a rigid or flexible conductor without end cap

Dimensions
see e-catalogue

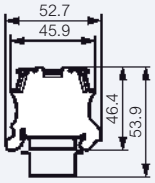
Viking™ 3 accessories for terminal blocks

Characteristics and dimensions (mm)

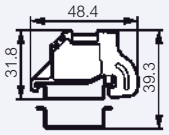
V2 polyamide according to UL 94

End stops

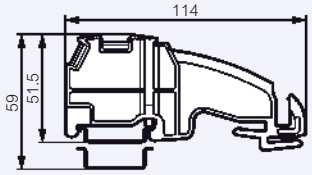
Cat.No 0 375 10



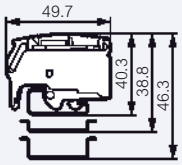
Cat.No 0 375 11



Cat.No 0 375 12



Cat.No 0 375 13



End caps

Cat.Nos	Thickness (mm)
0 375 50	2
0 375 51	2.5
0 375 52	2
0 375 53	2
0 375 54	2.5
0 375 55	2
0 375 56	1.4
0 375 57	1.4
0 375 86	1
0 375 87	1.1
0 375 88	1.1
0 375 89	1.1
0 375 90	2

Separation and insulation dividers

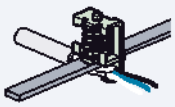
Cat.Nos	Thickness (mm)
0 375 54	2.5
0 375 60	2.5
0 375 61	2.6
0 375 62	2.5
0 375 63	2.5
0 375 95	2.8
0 375 96	2.7

Equipotential bridging combs/bars

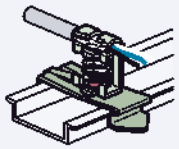
Cat.Nos	Cross-section (mm^2)
0 375 00/01	2.5
0 375 02	2.5
0 375 03/04	4
0 375 05	4
0 375 07	6
0 375 08	6
0 375 40	10
0 375 42	16
0 375 44	35
0 375 46	2.5
0 375 47	2.5
0 375 82	10
0 375 85	16

Shielding clamps

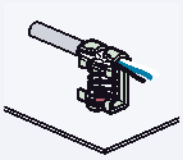
Mounting on bar 10 x 3 Cat.No 0 375 34

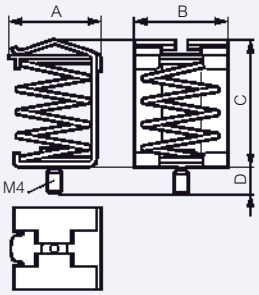


Mounting on rail with accessory Cat.No 0 364 69



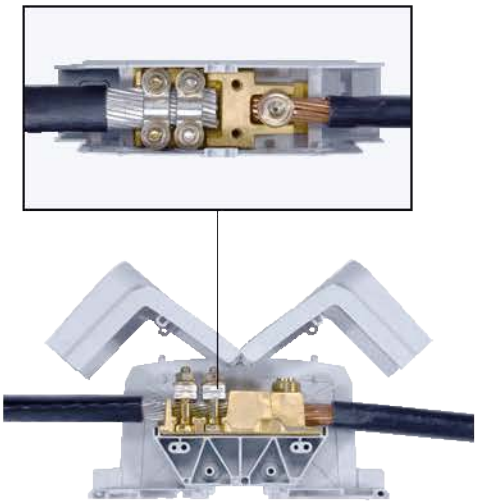
Mounting on plate



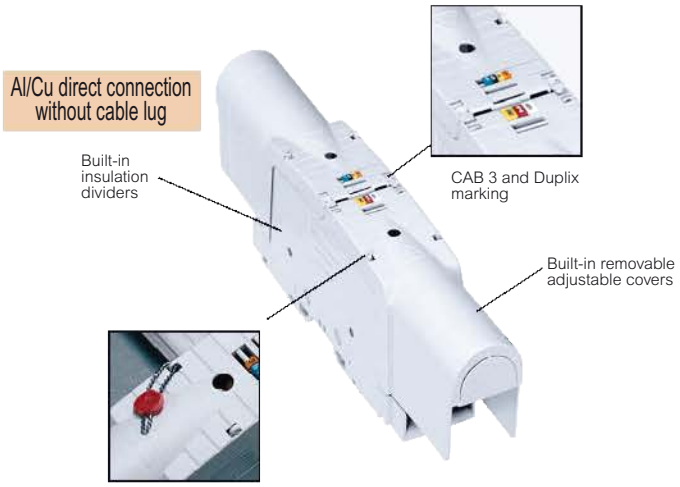


Cat.Nos	A	B	C	D
0 375 30	13.5	18	26	5.6
0 375 31	20	20.3	31.4	5.3
0 375 32	24.8	26	40	5.3

Viking™ 3 power terminal blocks



0 390 11 (interior view with covers cut away)



Possibility of sealing



0 390 72



0 390 31

Approvals **p. 826**

Bridging the gap between the enclosure and external cables

Insulated aluminium/copper power terminal blocks

For aluminium/copper cables, copper bars or cable lugs (see selection chart p. 291)
Direct connection of cable
Insulation and protection against direct contact without additional accessories (built-in dividers and covers)
Pre-cut removable covers for adjustment to the various connection modes
Fixed using metal clip for rails ⊔ 15 mm depth and ⊔ EN 60715 15 mm depth, or on plate with screws
Permits the use of Cab 3, Duplix markers
Test via test plug closed covers
Blocks with identical pitch can be joined using a threaded rod
Shunting possible with Cat.Nos 0 394 46/47

Cable - cable

Pack	Cat.Nos	Rigid or flexible cable (mm²)	Rigid or flexible cable (mm²)	Pitch (mm)
5	0 390 10	Al/Cu 35 to 120	Cu 35 to 70	42
5	0 390 11	Al/Cu 70 to 300	Cu 70 to 150	55

Cable lug - cable lug

Pack	Cat.Nos	Max. connection (mm²)	Max. connection (mm²)	Pitch (mm)
5	0 390 13	Al/Cu 95	Al/Cu 95	36
5	0 390 14	Al/Cu 150	Al/Cu 150	42
5	0 390 15	Al/Cu 300	Al/Cu 300	55

Cable lug - cable

Pack	Cat.Nos	Max. connection (mm²)	Rigid or flexible cable (mm²)	Pitch (mm)
5	0 390 17	Al/Cu 150	Cu 35 to 95	42
5	0 390 18	Al/Cu 300	Cu 70 to 150	55

Cable - cable lug

Pack	Cat.Nos	Rigid or flexible cable (mm²)	Max. connection (mm²)	Pitch (mm)
5	0 390 20	Al/Cu 35 to 120	Al/Cu 120	42
5	0 390 21	Al/Cu 70 to 300	Al/Cu 300	55

Equipotential bonding shunts

For insulated aluminium/copper power terminal blocks
Supplied with screws

Pack	Cat.Nos	
5	0 394 46	For blocks with pitch 36 and 42 mm
5	0 394 47	For blocks with pitch 55 mm

Bare power terminal blocks

For copper bars or cable lugs
Insulation dividers and protective covers to be ordered separately
For use with terminal marker sheets (p. 284)

Cable lug - cable lug for symmetrical rails

Fixed using metal clip on rails ⊔ 15 mm depth and ⊔ EN 60715 15 mm depth

Pack	Cat.Nos	Connecting max. (mm²)	Pitch (mm)
5	0 390 71	35	26
5	0 390 72	70	34
5	0 390 73	120	34
5	0 390 74	240	46

Cable lug - cable lug for asymmetrical rails

Fixed using metal clip on rails ⊏ EN 60715

Pack	Cat.Nos		
5	0 390 31	35	26
5	0 390 32	70	34
5	0 390 33	120	34
5	0 390 34	240	46

Insulation and protection accessories

For bare power terminal blocks

Separation barriers

Take protective covers
Marking possible with CAB 3 (p. 294)

Pack	Cat.Nos	
10	0 394 77	For blocks with pitch 26 mm
10	0 394 78	For blocks with pitch 34 and 46 mm

Protective covers

For mounting on separation barriers

Pack	Cat.Nos	
5	0 394 86	For 3 blocks with pitch 46 mm or for 4 blocks with pitch 34 mm
5	0 394 88	For 4 blocks with pitch 26 mm
5	0 394 89	For 4 blocks with pitch 46 mm



End stops
p. 284

Al/Cu distribution boxes
p. 183

CAB 3 marking system
p. 294

Viking™ 3 power terminal blocks

Selection chart

Input	Output: Al bare cable	Output: Cu bare cable	Output: Cu cable lug Al-Cu cable lug Cu bar
Al bare cable	2 shunted blocks: 2x 0 390 10 2x 0 390 11 2x 0 390 20 2x 0 390 21	0 390 10/11	0 390 20/21
Cu bare cable	0 390 10/11	0 390 10/11	0 390 17/18/20/21
Cu cable lug Al-Cu cable lug Cu bar	0 390 20/21	0 390 17/18 0 390 20/21	0 390 13/14/15

Cat.Nos 0 390 10/11
Cable Al/Cu - Cable Cu



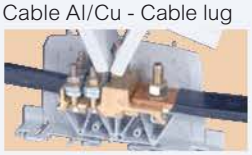
Cat.Nos 0 390 13/14/15
Cable lug - cable lug



Cat.Nos 0 390 17/18
Cable lug - Cable Cu



Cat.Nos 0 390 20/21
Cable Al/Cu - Cable lug



Characteristics of insulated Al/Cu terminal blocks

Conform to IEC EN 60947-7-1, UL 1059, UL 486 E and CSA C 22-2 n° 158
Insulation voltage Ui: 1000 V AC-DC
Impulse voltage Uimp: 12 kV
Overvoltage category: 4
Use in pollution atmosphere 3
Fire resistance:
- 960 °C (except cover) acc. to IEC EN 60695-2-11
- V2 according to UL 94
Insulating material:
- polyamide body - 30 °C to + 100 °C
- polypropylene cover -25 °C to + 100 °C
IK 04

Block only

Cat.Nos	Current (A) Copper - Copper IEC	Copper - Copper UL	Copper - Copper CSA	Al-Al / Al-Cu / Cu-Al	Icw (ka)	Terminal width (mm)	Ø screw	Tightening torque (Nm)
0 390 10	250	200	175	250	8,4	-	-	15
0 390 11	400	300	285	400	18	-	-	35
0 390 13	310	250	230	220	11,4	28	M 8	15
0 390 14	415	340	285	300	18	34	M 10	15
0 390 15	670	520	420	480	36	46	M 12	35
0 390 17	315	210	230	315	11,4	34	M 10	15
0 390 18	420	325	285	420	18	46	M 12	35
0 390 20	340	235	255	250	8,4	34	M 10	15
0 390 21	570	375	420	400	18	46	M 12	35

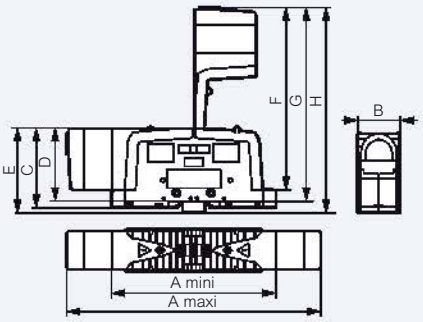
Shunted block

Block + shunt Cat.Nos	Current (A) Copper - Copper IEC	Al-Al / Al-Cu / Cu-Al	Icw (ka)	Shunt tightening torque (Nm)
0 390 10 + 0 394 46 + 0 390 10	340	250	14,4	6
0 390 11 + 0 394 47 + 0 390 11	570	400	36	10
0 390 13 + 0 394 46 + 0 390 13	310	220	11,4	6
0 390 14 + 0 394 46 + 0 390 14	415	300	18	6
0 390 15 + 0 394 47 + 0 390 15	670	480	36	10
0 390 17 + 0 394 46 + 0 390 17	415	315	18	6
0 390 18 + 0 394 47 + 0 390 18	670	420	36	10
0 390 20 + 0 394 46 + 0 390 20	340	250	14,4	6
0 390 21 + 0 394 47 + 0 390 21	570	400	36	10

AWG cable cross-sections

mm²	35	70	95	120	150	185	300
AWG	2	00	0000	250	300	350	600

Dimensions (mm)



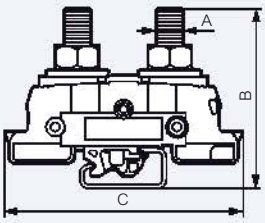
Cat.Nos	A max	A mini	B	C	D	E	F	G	H
0 390 13	227	155	36	82	73	88	176	185	191
0 390 10/14/17/20	296	200	42	83.5	74.5	89.5	212	221	227
0 390 11/15/18/21	337	216	55	107.3	98.5	113.5	257	266	272

Characteristics of bare terminal blocks

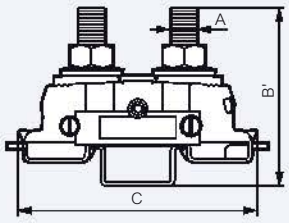
Conform to IEC EN 60947-7-1
Insulation voltage Ui: 1000 V AC-DC
Fire resistance:
- 960 °C acc. to IEC EN 60695-2-11
- V2 according to UL 94
Insulating material: polyamide - 30 °C to + 100 °C

Cat.Nos	Current (A) Copper - Copper IEC	Icw (kA)	Terminal width (mm)	Ø screw	Tightening torque (Nm)
0 390 31/71	125	4.2	15	M 8	10
0 390 32/72	192	8.4	20	M 10	20
0 390 33/73	269	14.4	25	M 10	20
0 390 34/74	415	28.8	35	M 12	40

Dimensions (mm)



Cat.Nos 0 390 31/32/33/34

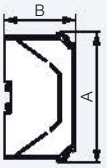


Cat.Nos 0 390 71/72/73/74

Cat.Nos	A	B
0 390 31/71	56	84
0 390 32/72	61	84
0 390 33/73	61	84
0 390 34/74	64	86

Cat.Nos	Separation and insulation divider	Protective cover 4 blocks	Protective cover 3 blocks
0 390 31/71	0 394 77	0 394 88	-
0 390 32/72	0 394 78	0 394 86	-
0 390 33/73	0 394 78	0 394 86	-
0 390 34/74	0 394 78	0 394 89	0 394 86

Separation barriers dimensions (mm)



Cat.Nos 0 394 77/78

Cat.Nos	A	B	th.
0 394 77	106	82	8
0 394 78	188	102	12

Starfix™ ferrules and crimping tools


0 376 50


0 376 60


0 376 61


0 376 62


0 376 63


0 376 87


0 376 64


0 376 66


0 376 67


0 376 68


0 376 77


0 377 64


0 376 43


0 376 09 with refill Cat.No 0 376 43


0 376 39


Cross-section adjustment


0 376 06


0 376 92

Correspondence table and dimensions **p. 293**

Ferrules with insulating flange

Provide an equipotential link for all the strands of a copper flexible conductor
Active part in tinned electrolytic copper
Conform to NF C 63-023

Singles - supplied in strips

Pack	Cat.Nos	Cross-section (mm²)	Colour	Number of strips or sachets	Number of ferrules per strip or sachet
500	0 376 50	0.25	turquoise	10	50
500	0 376 60	0.34	green	10	50
480	0 376 61	0.5	white	12	40
480	0 376 62	0.75	blue	12	40
1000	0 376 63	1	red	25	40
1000	0 376 64	1.5	black	25	40
1000	0 376 66	2.5	grey	25	40
250	0 376 67	4	orange	10	25
250	0 376 68	6	green	10	25

Singles - individual ferrules (sachet packing)

Pack	Cat.Nos	Cross-section (mm²)	Colour	Number of strips or sachets	Number of ferrules per strip or sachet
500	0 377 50	0.25	turquoise	5	100
500	0 377 60	0.34	green	5	100
1000	0 377 61	0.5	white	10	100
1000	0 377 62	0.75	blue	10	100
1000	0 377 63	1	red	10	100
1000	0 377 64	1.5	black	10	100
1000	0 377 66	2.5	grey	10	100
250	0 377 67	4	orange	5	50
250	0 377 68	6	green	5	50

Singles - individual ferrules (box packing)

Pack	Cat.Nos	Cross-section (mm²)	Colour
100	0 376 69	10	brown
100	0 376 72[1]	16	white
100	0 376 70	16	white
50	0 376 71	25	black
50	0 376 77	35	red
30	0 376 78	50	blue

Doubles - individual ferrules

Pack	Cat.Nos	Cross-section (mm²)	Colour
500	0 376 87	2 x 0.75	blue
500	0 376 88	2 x 1	red
500	0 376 89	2 x 1.5	black
500	0 376 90	2 x 2.5	grey

Singles - supplied as refills

Large capacity for less frequent applicator reloading
Translucent refills for direct mounting on crimping tool Cat.No 0 376 09

Pack	Cat.Nos	Cross-section (mm²)	Colour	Number of ferrules per refills
3000	0 376 41	0.5	white	300
3000	0 376 42	0.75	blue	300
3000	0 376 43	1	red	300
3000	0 376 44	1.5	black	300
2500	0 376 45	1.5	grey	250

1: Short ferrule

Crimping tools for ferrules in strips

Cut and crimp of ferrules from 0.25 to 6 mm² in one operation

Starfix crimping tool for 0.25 and 0.34 mm² cross-sections

1 — 0 376 08 — Supplied fitted with empty applicator

Starfix crimping tool for 0.5 to 2.5 mm² cross-sections

1 — 0 376 09 — Supplied fitted with empty applicator

1 — 0 376 39 — Assorted kit, comprising:
- 1 Starfix crimping tool, Cat. No. 0 376 09 fitted with empty applicator
- 120 x 0.5 mm² ferrules
- 120 x 0.75 mm² ferrules
- 240 x 1 mm² ferrules
- 320 x 1.5 mm² ferrules
- 200 x 2.5 mm² ferrules

Starfix crimping tool for 4 and 6 mm² cross-sections

1 — 0 376 10 — Supplied fitted with empty applicator

Starfix S multi-purpose crimping tool for 0.5 to 2.5 mm² cross-sections

1 — 0 376 97 — Tool cuts, strips, twists and crimps wire
Supplied with 5 empty applicators

4-point crimping tool for individual single and double ferrules

For right or left-handed

Starfix crimping tool for 0.25 to 6 mm² cross-sections

For crimping of 0.25 to 6 mm² cross section ferrules

1 — 0 376 06 — Crimping tool with disengageable control system, crimping at end

Starfix crimping tool for 10 to 50 mm² cross-sections

1 — 0 376 92 — Assorted kit comprising:
- 1 crimping tool with disengageable control system for individual ferrules 10 to 50 mm²
- 30 individual ferrules 10 mm²
- 20 individual ferrules 16 mm²
- 15 individual ferrules 25 mm²
- 10 individual ferrules 35 mm²
- 10 individual ferrules 50 mm²

Starfix™ applicator



0 376 47



Example of simple/double ferrules on wires



Example of different wires and ferrules



Pack	Cat.Nos	Starfix applicator	
		For Starfix crimping tool For dispensing strips of ferrules in Starfix crimping tools Cat.Nos 0 376 08/09/10	
		For ferrules cross-section (mm²)	Colour
10	0 376 46	0.25 and 0.34	yellow
10	0 376 47	0.5 to 2.5	red
10	0 376 48	4 and 6	orange

Viking 3 terminal blocks and accessories
p. 276 to **291**

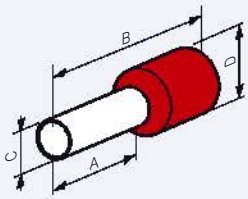
Starfix™ ferrules and crimping tools

Correspondence table

Cross-section (mm²) / Ferrule	 Simple ferrule	 Large capacity ferrule - refills	 Starfix applicator
0.5	0 376 61	0 376 41	0 376 47
0.75	0 376 62	0 376 42	0 376 47
1	0 376 63	0 376 43	0 376 47
1.5	0 376 64	0 376 44	0 376 47
2.5	0 376 66	0 376 45	0 376 47

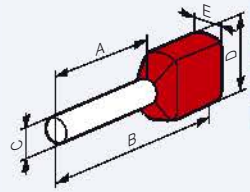
Dimensions (mm)

Simple ferrules



Cat.Nos			Cross-section (mm²)	A	B	C	D
0 376 50	0 377 50		0.25	8	14.5	1.1	3
0 376 60	0 377 60		0.34	8	14.5	1.1	3
0 376 61	0 377 61	0 376 41	0.5	8	14.5	1.5	3.4
0 376 62	0 377 62	0 376 42	0.75	8	14.5	1.5	3.4
0 376 63	0 377 63	0 376 43	1	8	14.5	1.7	3.6
0 376 64	0 377 64	0 376 44	1.5	8	14.5	2	4.1
0 376 66	0 377 66	0 376 45	2.5	8	14.5	2.6	4.8
0 376 67	0 377 67		4	12	21	3.2	5.7
0 376 68	0 377 68		6	12	23	3.9	7.2
0 376 69			10	12	21	4.9	8.1
0 376 72			16	12	23	6.3	9.8
0 376 70			16	18	29	6.3	9.8
0 376 71			25	18	31	7.9	12
0 376 77			35	18	32	8.9	13.5
0 376 78			50	20	36	11.1	16.1

Double ferrules



Cat.Nos	Cross-section (mm²)	A	B	C	D	E
0 376 87	2 x 0.75	8	15	2.1	6	3.3
0 376 88	2 x 1	8	15	2.35	6	4
0 376 89	2 x 1.5	8	16	2.6	7.2	4.2
0 376 90	2 x 2.5	10	18.5	3.3	8.4	4.8

Example of use

Starfix tool Cat.Nos 0 376 08/09/10/39



1 Fit the applicator



2 Adjust



The 2-material handle gives an excellent grip

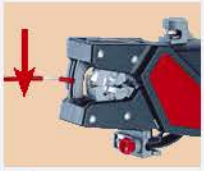


3 Insert the wire and crimp

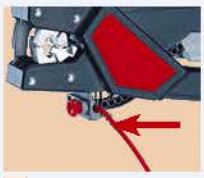
Starfix S tool Cat.No 0 376 97



1 Adjust the cross-section



2 Strip and twist



3 Crimp

CAB 3™ marking system

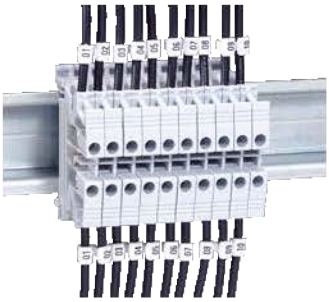
for wiring and Viking 3 terminal blocks



0 381 51



0 381 64



Same markers for cable and terminal blocks



0 381 63 mounted on Viking 3 terminal blocks

Technical characteristics **p. 296**

For marking wiring or Viking 3 terminal blocks

Pack	Cat.Nos	**Markers for wiring 0.5 to 1.5 mm² cross-section and terminal blocks**
		Strips of 20 markers (price per marker) Numbers: black on white background (available in black on yellow background on request)
240	0 381 50	01 to 20
240	0 381 51	21 to 40
240	0 381 52	41 to 60
240	0 381 53	61 to 80
240	0 381 54	81 to 100
240	0 381 55	Blank



0 381 51

Pack	Cat.Nos	**Markers for wiring 1.5 to 2.5 mm² cross-section and terminal blocks**
		Strips of 20 markers (price per marker) Numbers: black on white background (available in black on yellow background on request)
240	0 381 60	01 to 20
240	0 381 61	21 to 40
240	0 381 62	41 to 60
240	0 381 63	61 to 80
240	0 381 64	81 to 100
240	0 381 65	Blank



0 381 64

Marking label sheets

for Viking 3 terminal blocks



0 395 05 on Viking 3 terminal blocks



0 395 20



0 395 98

For marking Viking 3 terminal blocks

Pack	Cat.Nos	**Blank markers**
		Displayed by sheet of 100 pre-cut markers Manual marking (price per marker)
1000	0 395 00	For blocks 5 mm pitch
1000	0 395 01	For blocks 6 mm pitch
1000	0 395 02	For blocks 8 mm pitch

		Numbers
		Correct reading direction with the marker in horizontal position. Price per marker.
		Pitch of 5 mm
1000	0 395 05	From 1 to 10 (10 times)
1000	0 395 06	From 11 to 20 (10 times)
1000	0 395 07	From 21 to 30 (10 times)
1000	0 395 08	From 31 to 40 (10 times)
1000	0 395 09	From 1 to 50 (2 times)
1000	0 395 10	From 1 to 100
1000	0 395 11	From 101 to 200
		Pitch of 6 mm
1000	0 395 15	From 1 to 10 (10 times)
1000	0 395 16	From 11 to 20 (10 times)
1000	0 395 17	From 21 to 30 (10 times)
1000	0 395 18	From 31 to 40 (10 times)
1000	0 395 19	From 1 to 50 (2 times)
1000	0 395 20	From 1 to 100
1000	0 395 21	From 101 to 200

		Black felt tip pen
10	0 395 98	Indelible for marking

Viking 3 terminal blocks
p. 276

CAB 3™ marking system

markers for wiring and Viking 3 terminal blocks



Perfect alignment of label holders



0 382 12



Terminal block with CAB 3 markers and label-holders

For marking wiring or Viking 3 terminal blocks

Markers for wiring 0.15 to 0.5 mm² and 0.5 to 1.5 mm² cross-section and terminal blocks

On Viking 3 terminal blocks
- 4 markers 0.15 to 0.5 mm² max
- 3 markers 0.15 to 1.5 mm² max.

Pack:
- Up to 0.5 mm²: strips of 25 markers

From 0.5 mm² to 2.5 mm²: strips of 30 markers
Price per marker

Pack		Cat.Nos 0.15 to 0.5²	0.5 to 1.5²	
				Digits: international colour code
1000	1200	0 381 00	0 382 10	0 Black
1000	1200	0 381 01	0 382 11	1 Brown
1000	1200	0 381 02	0 382 12	2 Red
1000	1200	0 381 03	0 382 13	3 Orange
1000	1200	0 381 04	0 382 14	4 Yellow
1000	1200	0 381 05	0 382 15	5 Green
1000	1200	0 381 06	0 382 16	6 Blue
1000	1200	0 381 07	0 382 17	7 Purple
1000	1200	0 381 08	0 382 18	8 Grey
1000	1200	0 381 09	0 382 19	9 White
				Letters: black on yellow background
300		0 381 10	0 383 00	A
300		0 381 11	0 383 01	B
300		0 381 12	0 383 02	C
300		0 381 13	0 383 03	D
300		0 381 14	0 383 04	E
300		0 381 15	0 383 05	F
300		0 381 16	0 383 06	G
300		0 381 17	0 383 07	H
300		0 381 18	0 383 08	I
300		0 381 19	0 383 09	J
300		0 381 20	0 383 10	K
300		0 381 21	0 383 11	L
300		0 381 22	0 383 12	M
300		0 381 23	0 383 13	N
300		0 381 24	0 383 14	O
300		0 381 25	0 383 15	P
300		0 381 26	0 383 16	Q
300		0 381 27	0 383 17	R
300		0 381 28	0 383 18	S
300		0 381 29	0 383 19	T
300		0 381 30	0 383 20	U
300		0 381 31	0 383 21	V
300		0 381 32	0 383 22	W
300		0 381 33	0 383 23	X
300		0 381 34	0 383 24	Y
300		0 381 35	0 383 25	Z
				Conventional symbols: black on yellow background
300		0 381 40	0 382 70	/
300		0 381 41	0 382 71	•
300		0 381 42	0 382 72	+
300		0 381 43	0 382 73	-
300		0 381 44	0 382 74	∿
300		0 381 45	0 382 75	⎓
300		0 381 46	0 382 76	⏚



0 381 06



0 383 17



0 381 28



0 382 72



0 381 43

Markers for wiring 1.5 to 2.5 mm² and 4 to 6 mm² cross-section

Pack:
From 0.5 mm² to 2.5 mm²: strips of 30 markers
- Upper 2.5 mm²: strips of 20 markers

Price per marker

Pack		Cat.Nos 1,5 to 2,5²	4 to 6²	
				Digits: international colour code
1200	800	0 382 20	0 382 30	0 Black
1200	800	0 382 21	0 382 31	1 Brown
1200	800	0 382 22	0 382 32	2 Red
1200	800	0 382 23	0 382 33	3 Orange
1200	800	0 382 24	0 382 34	4 Yellow
1200	800	0 382 25	0 382 35	5 Green
1200	800	0 382 26	0 382 36	6 Blue
1200	800	0 382 27	0 382 37	7 Purple
1200	800	0 382 28	0 382 38	8 Grey
1200	800	0 382 29	0 382 39	9 White
				Letters: black on yellow background
300		0 383 30	0 383 60	A
300		0 383 31	0 383 61	B
300		0 383 32	0 383 62	C
300		0 383 33	0 383 63	D
300		0 383 34	0 383 64	E
300		0 383 35	0 383 65	F
300		0 383 36	0 383 66	G
300		0 383 37	0 383 67	H
300		0 383 38	0 383 68	I
300		0 383 39	0 383 69	J
300		0 383 40	0 383 70	K
300		0 383 41	0 383 71	L
300		0 383 42	0 383 72	M
300		0 383 43	0 383 73	N
300		0 383 44	0 383 74	O
300		0 383 45	0 383 75	P
300		0 383 46	0 383 76	Q
300		0 383 47	0 383 77	R
300		0 383 48	0 383 78	S
300		0 383 49	0 383 79	T
300		0 383 50	0 383 80	U
300		0 383 51	0 383 81	V
300		0 383 52	0 383 82	W
300		0 383 53	0 383 83	X
300		0 383 54	0 383 84	Y
300		0 383 55	0 383 85	Z
				Conventional symbols: black on yellow
300		0 382 80	0 382 90	/
300		0 382 81	0 382 91	•
300		0 382 82	0 382 92	+
300		0 382 83	0 382 93	-
300		0 382 84	0 382 94	∿
300		0 382 85	0 382 95	⎓
300		0 382 86	0 382 96	⏚



0 382 32



0 382 26



0 383 46



0 383 79





Duplix cable marking system
p. 571

CAB 3™ marking system

accessories


0 384 90


0 384 92


0 383 92 with markers CAB 3


0 383 97


0 382 00

Pack	Cat.Nos	CAB 3 accessories
		Marker-holders For cables cross-section from 10 mm² to 70 mm² Capacity: 8 digits, letters or symbols markers from 0.5 to 1.5 mm² or 1.5 to 2.5 mm² cross section Black
100	0 384 90	10 to 16 mm² cross-section
50	0 384 91	25 to 35 mm² cross-section
50	0 384 92	50 to 70 mm² cross-section
		Support for markers
100	0 383 92	Can be clipped on Viking 3 terminal blocks with screw connection Capacity: 7 markers from 0.15 to 0.5 mm² 6 markers from 0.5 to 1.5 mm²
		Transparent applicators For rapid selection and application of markers onto cable (except Cat.No 0 381 50 to 0 381 55 and Cat.No 0 381 60 to 0 381 65)

		For markers cross-section (mm²)	Applicator colour for identification of cross-section
10	0 383 94	0.15 to 0.5	green
10	0 383 95	0.5 to 1.5	red
10	0 383 96	1.5 to 2.5	blue
10	0 383 97	4 to 6	yellow

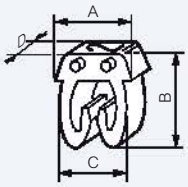
		Set of markers (digits)
1	0 382 01	0.15 to 0.5 mm²: 2500 markers + 10 applicators (250 digits from 0 to 9)
1	0 382 02	0.5 to 1.5 mm²: 3000 markers + 10 applicators (300 digits from 0 to 9)
1	0 382 03	1.5 to 2.5 mm²: 3000 markers + 10 applicators (300 digits from 0 to 9)
1	0 382 04	4 to 6 mm²: 2000 markers + 10 applicators (200 digits from 0 to 9)
		On-site toolbox
1	0 382 00	With removable tray for CAB 3 markers and applicators, Starfix ferrules… Height 85 mm, depth 280 mm, width 450 mm Metal, padlockable Supplied empty

CAB 3™ marking system

for wiring and Viking 3 terminal blocks

Dimensions

Markers
Polyamide 6/6



Dimensions	Cable cross-section (mm²)			
	0.15 to 0.5	0.5 to 1.5	1.5 to 2.5	4 to 6
A (mm)	5	5	5.6	8
B (mm)	5.05	6.4	7.6	9.6
C (mm)	3.7	4.3	4.9	7.1
D (mm)	2.3	3	3	3
Ø mini/maxi (mm)	0.8/2.2	2.2/3	2.8/3.8	4.3/5.3

Cat.Nos 0 381 50 to 0 381 55 et 0 381 60 to 0 381 65: no liking stud.
D = 6 mm

Marker holders

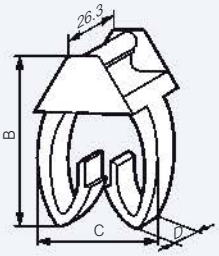
Cat.No 0 384 90



Cat.No 0 384 91

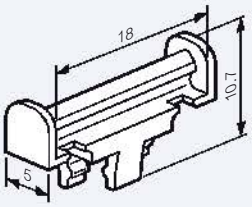


Cat.No 0 384 92



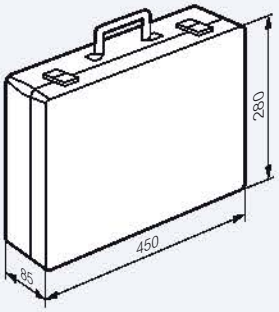
Dim.	Section of cable for marking (mm²)		
	10 to 16	25 to 35	50 to 70
B (mm)	18	24.3	27.2
C (mm)	8.9	12.2	17.2
D (mm)	7	7	10

Support for markers Cat.No 0 383 92



Characteristics and dimensions of on-site toolbox

Cat.No 0 382 00



Bottom tray consists of:
- 8 medium slots (arround 8 CAB 3 boxes)
- 1 large slot

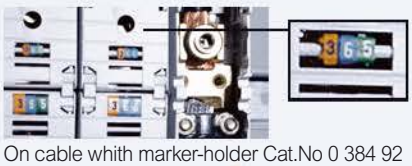
Top tray consists of:
- 12 small slots (<=> approx. 6 boxes of CAB 3)
- 1 medium slot for applicators
  Capacity: approx. 15000 CAB 3 markers

Examples

On terminal blocks with support Cat.No 0 383 92



On power terminal blocks



On cable whith marker-holder Cat.No 0 384 92



Memocab™ marking system

for wiring



0 377 12 fixed with Colring cable tie



0 379 91



0 379 92

0 379 89

0 379 93

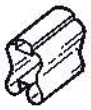


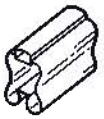
Marking kit
on request

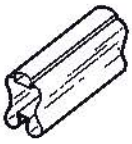
Marking system with closed ring
High resistance in very aggressive environments

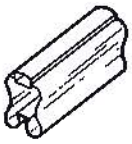
Marker-holders for wiring

Pack	Cat.Nos	Section (mm²) min.	Section (mm²) max.	Ø (mm) min.	Ø (mm) max.
		Length of marking: 12 mm			
		4 markers			
1000	0 379 27	0.25	1.5	1.3	3.5
1000	0 379 28	0.75	4	2.3	4.8
		Length of marking: 15 mm			
		6 markers			
1000	0 379 30	0.25	1.5	1.3	3.5
1000	0 379 31	0.75	4	2.3	4.8
500	0 379 32	4	16	4.2	7.6
		Length of marking: 18 mm			
		7 markers			
1000	0 379 36	0.25	1.5	1.3	3.5
1000	0 379 37	0.75	4	2.3	4.8
500	0 379 38	4	16	4.2	7.6
500	0 379 33	16	50	7.6	12.5
200	0 379 34	50	95	12.5	19
100	0 379 35	95	300	19	29.5
		Length of marking: 30 mm			
		7 markers			
500	0 379 40	0.25	1.5	1.3	3.5
500	0 379 41	0.75	4	2.3	4.8
200	0 379 42	4	16	4.2	7.6
200	0 379 43	16	50	7.6	12.5
		Length 500 mm (to be cut)			
10	0 379 44	0.75	4	2.3	4





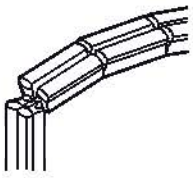




Marker-holders for simultaneous marking of both ends

Pre-cut label holders in rolls

Pack	Cat.Nos	Section (mm²) min.	Section (mm²) max.	Ø (mm) min.	Ø (mm) max.
		Length of marking: 18 mm			
		7 markers			
1000	0 379 20	0.25	1.5	1.3	3.5
1000	0 379 21	0.75	4	2.3	4.8
500	0 379 22	4	16	4.2	7.6
		Length of marking: 30 mm			
		12 markers			
500	0 379 10	0.25	1.5	1.3	3.5
500	0 379 11	0.75	4	2.3	4.8



Marker-holders for cables

Pack	Cat.Nos	
		Fixing with Colring cable ties
100	0 377 12	Length of marking: 20 mm (8 markers)
200	0 387 42	Length of marking: 30 mm (12 markers)



Marker-holders for all devices

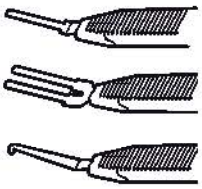
Pack	Cat.Nos	
100	0 377 10	Adhesive Length of marking: 17.5 mm (7 markers)



Accessories

Pack	Cat.Nos	
		Double dispenser board
1	0 379 91	For 48 strips of markers (supplied empty)
		Selecting prong
		For selecting the markers and placing them in the label holder
10	0 379 90	For 30 mm marker holders
10	0 379 92	For 15 mm marker holders
10	0 379 89	Double for 30 or 18 mm marker holders (for simultaneous marking of both ends)
		Extractor
10	0 379 93	For 15 mm marker holders





Colring cable ties
p. 272

Duplix cable marking system
p. 571

Logicab™ 2 refills
Please, consult us

Memocab™ marking system

for wiring (continued)



0 378 01 to 0 378 10



0 378 05 + 2 x 0 378 06 + 0 378 01 + 0 378 10 + 0 378 09 + 0 378 08 in a label holder Cat.No 0 379 38

Pack	Cat.Nos	Markers
		Supplied in strips of 24 markets (unit price per marker)
		Numbers on colour background
		Black or white marking (international colour code)
600	0 378 01	Purple 7
600	0 378 02	Orange 3
600	0 378 03	White 9
600	0 378 04	Grey 8
600	0 378 05	Green 5
600	0 378 06	Yellow 4
600	0 378 07	Brown 1
600	0 378 08	Blue 6
600	0 378 09	Black 0
600	0 378 10	Red 2



0 378 06

		Numbers on white background
		Black marking
600	0 377 80	0
600	0 377 81	1
600	0 377 82	2
600	0 377 83	3
600	0 377 84	4
600	0 377 85	5
600	0 377 86	6
600	0 377 87	7
600	0 377 88	8
600	0 377 89	9



0 377 85

		Capital letters
		Black marking on white background
240	0 378 26	A
240	0 378 27	B
240	0 378 28	C
240	0 378 29	D
240	0 378 30	E
240	0 378 31	F
240	0 378 32	G
240	0 378 33	H
240	0 378 34	I
240	0 378 35	J
240	0 378 36	K
240	0 378 37	L
240	0 378 38	M
240	0 378 39	N
240	0 378 40	O
240	0 378 41	P
240	0 378 42	Q
240	0 378 43	R
240	0 378 44	S
240	0 378 45	T
240	0 378 46	U
240	0 378 47	V
240	0 378 48	W
240	0 378 49	X
240	0 378 50	Y
240	0 378 51	Z



0 378 30

		Conventional symbols
		Black marking on white background
240	0 379 54	/
240	0 379 55	•
240	0 379 56	+
240	0 379 57	-
240	0 379 58	∿
240	0 379 59	⎓
240	0 379 60	⏚



0 379 56

Memocab™ marking system

for wiring

Installation



1 Simultaneous marking of both ends

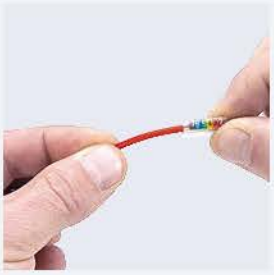


2 Use of double selecting prong



3 Installation in double marker-holder





The double strip can be used on site, where each marker-holders of both side will be placed on conductors

Transcab cable ducting



6 362 02



6 362 08



6 361 17



6 361 25

Approvals **p. 826**
Technical characteristics **p. 301**

6.5 mm wide fingers with a 6 mm spacing
Accepts up to 6 mm² without breaking side wall finger
Two pre-scored lines allow removal of fingers
Bump on side wall fingers help cabling
Rounded fingers prevent injury during cabling
Conform to EN 500 85 parts 2 and 3
Plastic cable ducting (base + cover)
Side perforations at intervals of 12.5 mm
Length: 2 m

Light grey halogen free

PC/ABS

Pack	Cat.Nos	Width x Height (mm)	Capacity (mm²)
60[1]	6 362 00	25 x 25	391
56[1]	6 362 01	25 x 40	720
56[1]	6 362 02	25 x 60	1159
48[1]	6 362 06	40 x 40	1245
48[1]	6 362 07	40 x 60	2007
40[1]	6 362 08	40 x 80	2717
32[1]	6 362 12	60 x 60	3115
32[1]	6 362 13	60 x 80	4216
24[1]	6 362 17	80 x 80	5715
16[1]	6 362 25	120 x 80	8729

1: Number of meters in pack

Grey RAL 7030

PVC

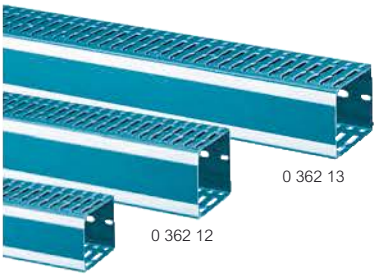
Pack	Cat.Nos	Width x Height (mm)	Capacity (mm²)
32[1]	6 360 95	15 x 25	264
40[1]	6 360 96	15 x 40	455
60[1]	6 361 00	25 x 25	391
56[1]	6 361 01	25 x 40	720
56[1]	6 361 02	25 x 60	1159
40[1]	6 361 03	25 x 80	1600
56[1]	6 361 05	40 x 25	692
48[1]	6 361 06	40 x 40	1245
48[1]	6 361 07	40 x 60	2007
40[1]	6 361 08	40 x 80	2717
24[1]	6 361 09	40 x 100	3354
32[1]	6 361 11	60 x 40	1932
32[1]	6 361 12	60 x 60	3115
32[1]	6 361 13	60 x 80	4216
24[1]	6 361 14	60 x 100	5216
24[1]	6 361 15	80 x 40	2647
24[1]	6 361 16	80 x 60	4200
24[1]	6 361 17	80 x 80	5715
20[1]	6 361 18	80 x 100	7078
24[1]	6 361 19	100 x 40	3363
24[1]	6 361 20	100 x 60	5307
16[1]	6 361 21	100 x 80	7215
16[1]	6 361 22	100 x 100	8960
16[1]	6 361 24	120 x 60	6403
16[1]	6 361 25	120 x 80	8729
12[1]	6 361 23	150 x 100	13683

1: Number of meters in pack

Accessories,
p. 300



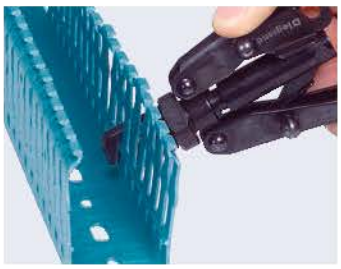
Lina 25™ cable ducting




0 367 10


0 395 98


Manually separable trunking


Side wall fingers can be cut using the Lina 25 cutter tool
Cat.No 0 367 10

Technical characteristics **p. 301**
Approvals **p. 826**

Pack	Cat.Nos	Lina 25 ducting
		RAL 2525 blue PVC Conform to EN 50085-2-3 6.5 mm wide fingers with a 6 mm spacing Accepts up to 6 mm² without breaking side wall fingers Two pre-scored lines allow removal of fingers Bump on side wall fingers help cabling Rounded fingers prevent injury during cabling Conform to EN 50085 parts 2 and 3 Plastic cable ducting (base + cover) Side perforations at intervals of 12.5 mm Length: 2 m Width x height (mm)
60[1]	0 362 00	25 x 25
56[1]	0 362 01	25 x 40
56[1]	0 362 02	25 x 60
40[1]	0 362 03	25 x 80
56[1]	0 362 05	40 x 25
48[1]	0 362 06	40 x 40
48[1]	0 362 07	40 x 60
40[1]	0 362 08	40 x 80
32[1]	0 362 11	60 x 40
32[1]	0 362 12	60 x 60
32[1]	0 362 13	60 x 80
24[1]	0 362 16	80 x 60
24[1]	0 362 17	80 x 80
16[1]	0 362 25	120 x 80
		Lina 25 cutter tool
1	0 367 10	For a straight break of side wall fingers
		Sleeving
		Braided sleeving Black polyester Supplied in 50 m roll in dispenser box with an indicator 3 m before end
		Ø of roll / Ø variations
1	0 366 38	20 mm / 10 to 30 mm
1	0 366 39	30 mm / 18 to 54 mm
		Spiral sleeving Colourless
25	6 361 78	Ø12 mm
25	6 361 83	Ø22 mm
		Black felt-tip pen
10	0 395 98	Black felt-tip pen indelible for marking



1: Number of metres in pack

Pack	Cat.Nos	Linafix isulating fixing accessories
		Material polyamide 6/6 Enable fixing of cable ducting on any support by 1/4 turn
20	0 367 00	On chassis-rail Holds the ducting in place vertically
100	0 366 40	On rails ⌐¬, ⌐¬ 15 mm depth 1/4 turn
20	0 366 41	On Lina 25 perforated plates Clip-on 1/4 turn
20	0 366 42	On door Fits under control and signalling auxiliaries Osmoz (Ø22)
10	0 366 43	On Lina 25 uprights Double adjustment to enable alignment with the perforations at the bottom of cable ducting Can be used to fix vertical or horizontal ducting (possible reinforcement with rail ⌐¬, 15 mm depth) To be clipped on
100	0 366 46	On plain plates plastic rivet length 12 mm for solid plates up to 30 / 10th Drilling Ø: 5.5 to 6 mm
500	0 366 44	On plain plates, Lina 12.5 and perforated plates, Lina 25 for cabinets Reinforced plastic rivet Ø6 mm Drilling Ø: 6.5 mm
100	0 347 45	Screw caps H 4.8 x 16 mm self-drilling, self-tapping for Ø3.3 mm
200	0 347 50	Screw cover, for isolating screws head Cat.No 0 347 45 inside the trunking
50	0 367 01	Cable retainer To clip-on the fingers







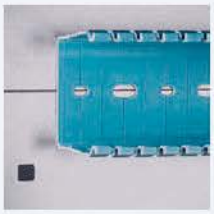






Transcab and Lina 25™ cable ducting

Lina 25 installation



Linear positioning



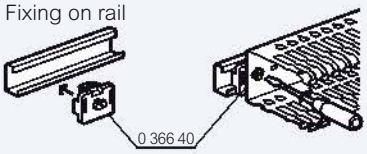
"T" junction



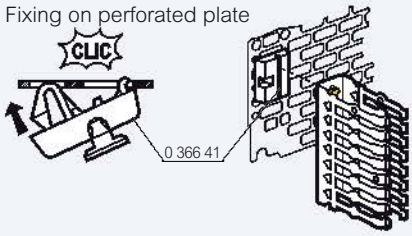
Cut at two different levels for cable ducting

Lina 25 accessories installation

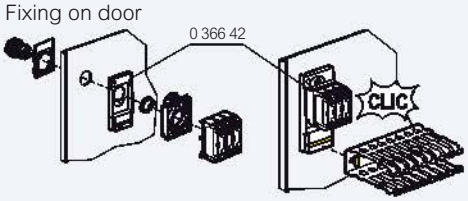
Fixing on rail



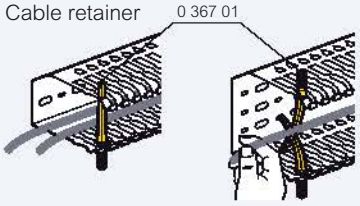
Fixing on perforated plate



Fixing on door

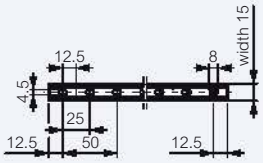


Cable retainer

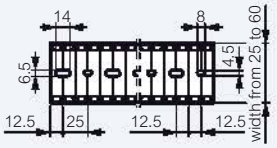


Dimensions

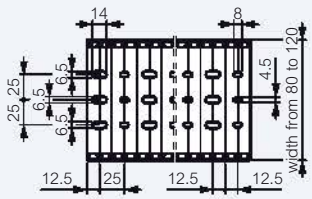
Width 15 mm (Transcab)



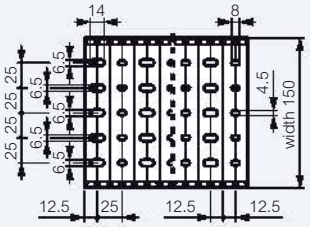
Width 25 to 60 mm (Transcab and Lina 25)



Width 80 to 120 mm (Transcab and Lina 25)



Width 150 mm (Transcab)



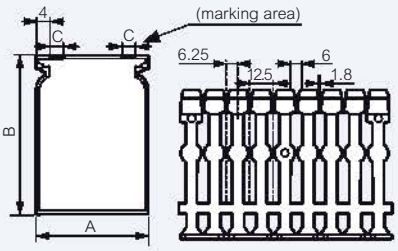
Dimensions (continued)

Transcab cable ducting

Cat.Nos	A (mm)	B (mm)
6 360 95	15	25
6 360 96	15	40
6 361 00/ 6 362 00	25	25
6 361 01/ 6 362 01	25	40
6 361 02/ 6 362 02	25	60
6 361 03	25	80
6 361 05	40	25
6 361 06/ 6 362 06	40	40
6 361 07/ 6 362 07	40	60
6 361 08/ 6 362 08	40	80
6 361 09	40	100
6 361 11	60	40
6 361 12/ 6 362 12	60	60
6 361 13/ 6 362 13	60	80
6 361 14	60	100
6 361 15	80	40
6 361 16	80	60
6 361 17/ 6 362 17	80	80
6 361 18	80	100
6 361 19	100	40
6 361 20	100	60
6 361 21	100	80
6 361 22	100	100
6 361 24	120	60
6 361 25/ 6 362 25	120	80
6 361 23	150	100

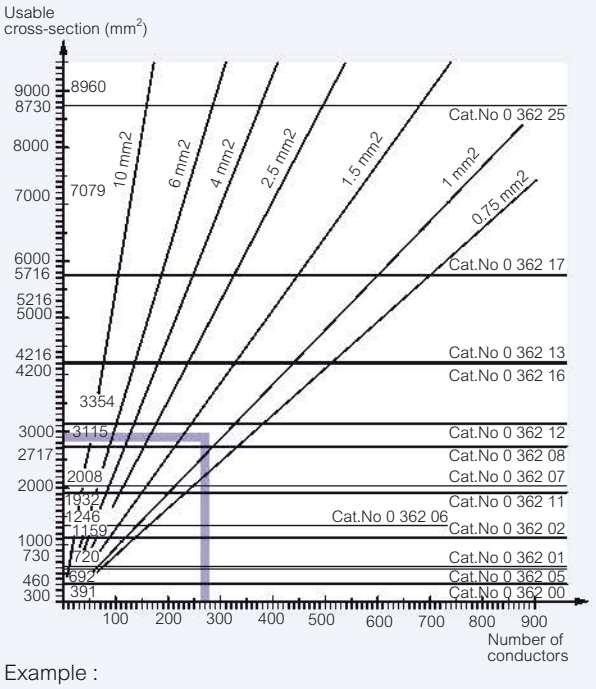
Lina 25 cable ducting

Cat.Nos	A (mm)	B (mm)	C (mm)
0 362 00	25	25	6
0 362 01	25	40	5
0 362 02	25	60	6
0 362 03	25	80	6
0 362 05	40	25	10
0 362 06	40	40	10
0 362 07	40	60	10
0 362 08	40	80	10
0 362 11	60	40	10
0 362 12	60	60	10
0 362 13	60	80	10
0 362 16	80	60	10
0 362 17	80	80	10
0 362 25	120	80	10



Calculating the ducting usable cross-section

Graph for H 05 V-K and H 07 V-K cables with 0.75 packing coefficient



Example :

150 conductors 0.75 mm² -> 1230 mm² cross-section and
120 conductors 1.5 mm² -> 1700 mm² cross-section
Makes a total of 2930 mm²
The correct cable ducting is Cat.No 0 362 12, 60 x 60, with a capacity of 3115 mm²

Norm EN 50085-2-3

Classification of Transcab and Lina 25 cable ducting

6.3 Minimum storage and transport temperature	- 25 °C
6.3 Maximum operating temperature	+ 60 °C
6.101 Mounting position	Vertical or horizontal

Osmoz control and signalling units: non-illuminated heads


0 238 01


0 238 02


0 238 06


0 238 21


0 239 82


0 238 82


0 238 85

Technical characteristics **p. 307 and e-catalogue**

Supplied with a fixing ring
IP 66 except Cat.Nos 238 11/12/13 - IP 67
Conform to IEC 60947-5-1

Pack	Cat.Nos	Spring return
		Flush
10	0 238 00	White
10	0 238 01	Red
10	0 238 02	Green
10	0 238 03	Blue
10	0 238 04	Yellow
10	0 238 06	Black
1	0 238 08	Red engraved "O"
1	0 238 09	Green engraved "I"
		Flush with shroud
5	0 238 11	Red
5	0 238 12	Green
5	0 238 13	Black
		Projecting Ø22
5	0 238 21	Red
1	0 238 22	Green
5	0 238 26	Black
		Mushroom head Ø40
10	0 238 34	Red
10	0 238 35	Green
10	0 238 36	Black
1	0 238 37	Yellow
		Twin touch
		Red engraved "O", green engraved "I"
5	0 239 80	Flush/Flush - Green/Red - IP 66
5	0 239 82	Flush/Projecting - Green/Red - IP 66
		Stay-put mushroom heads
		Push-pull emergency stop
10	0 238 72	Red - Ø40
1	0 238 76	Black - Ø40
		Push-pull EN 418 emergency stop
10	0 238 74	Red - Ø40
1	0 238 94	Red - Ø54
		With flag indicator "O - I"
5	0 238 95	Red - Ø54
		With flag indicator "STOP - I"
		Push-turn emergency stop
10	0 238 80	Red - Ø32
1	0 238 81	Black - Ø32
10	0 238 82	Red - Ø40
1	0 238 83	Black - Ø40
		Push-turn EN 418 ISO 13850 emergency stop
10	0 238 85	Red - Ø40
		Emergency stop with key
10	0 238 91	Red - Ø40
		EN 418 ISO 13850 emergency stop with key
1	0 238 92	Red - Ø40

Pack	Cat.Nos	Selector switches	Positions
		With standard handle	
1	0 239 01	Red	2 stay-put positions - 45°
1	0 239 02	Green	
10	0 239 03	Black	
1	0 239 04	Grey	
1	0 239 09	Black	2 positions with spring-return - 45°
10	0 239 15	Black	2 stay-put positions - 90°
1	0 239 21	Red	3 stay-put positions - 45°
1	0 239 22	Green	
10	0 239 23	Black	
1	0 239 24	Grey	
1	0 239 26	Black	3 positions with spring-return from left to 0 - 45°
1	0 239 27	Black	3 positions with spring-return from right to 0 - 45°
5	0 239 28	Black	3 positions with spring-return to 0 - 45°
1	0 239 29	Black	3 stay-put positions - 90°

Weatherproof cabinets, **p. 242**



Osmoz control and signalling units: non-illuminated heads (continued)


0 239 32


0 239 51

Technical characteristics **p. 307 and e-catalogue**

Supplied with a fixing ring
IP 66
Conform to IEC 60947-5-1

Pack	Cat.Nos	Selector switches (continued)
		With long handle
		Black long handle
10	0 239 30	2 stay-put positions - 45°
1	0 239 31	2 positions with spring-return - 45°
1	0 239 32	2 stay-put positions - 45°
1	0 239 34	2 stay-put positions - 90°
5	0 239 40	3 stay-put positions - 45°
1	0 239 43	3 positions with spring-return to 0 - 45°
		With key
		Black button
1	0 239 50	2 stay-put positions - 45°
1	0 239 51	2 stay-put positions - 45°
1	0 239 52	2 positions with spring-return - 45°
1	0 239 53	2 stay-put positions - 90°
1	0 239 54	2 stay-put positions - 90° Key free in both positions
1	0 239 60	3 stay-put positions - 45°
1	0 239 61	3 positions with spring-return to 0 - 45°
1	0 239 63	3 stay-put positions - 90° Key free in 3 positions

Osmoz control and signalling units: illuminated heads


0 240 02


0 240 12


0 240 73

Technical characteristics **p. 307 and e-catalogue**

Supplied with a fixing ring
IP 66
Conform to IEC 60947-5-1

Pack	Cat.Nos	Spring return
		Flush
10	0 240 00	White
10	0 240 01	Red
10	0 240 02	Green
1	0 240 03	Blue
5	0 240 04	Yellow
		Projecting
1	0 240 11	Red
1	0 240 12	Green

Pack	Cat.Nos	Twin touch
		Flush/Projecting
		Red engraved "O", green engraved "I" IP 66, become IP 67 with mounting accessory IP 67 shroud Cat.No 0 241 96
5	0 240 73	Green/Red

For detailed dimensions, **see e-catalogue**

Osmoz control and signalling units: illuminated heads (continued)


0 240 33


0 240 60


0 240 82


0 241 62


0 241 64


0 241 31


0 241 02


0 241 04

Technical characteristics **p. 307 and e-catalogue**

Supplied with fixing ring
IP 66
Conform to IEC 60947-5-1

Selector switches

With standard handle

Pack	Cat.Nos		Positions
1	0 240 31	Red	2 stay-put positions - 45°
5	0 240 32	Green	
1	0 240 33	Black	
1	0 240 35	Red	2 stay-put positions - 45°
1	0 240 36	Green	
1	0 240 37	Black	
1	0 240 41	Red	2 stay-put positions - 90°
5	0 240 42	Green	
5	0 240 43	Black	
1	0 240 51	Red	3 stay-put positions - 45°
1	0 240 52	Green	
1	0 240 53	Black	
1	0 240 54	Red	3 positions with spring-return from right to 0 - 45°
1	0 240 55	Green	
1	0 240 56	Black	
1	0 240 57	Red	3 positions with spring-return to 0 - 45°
1	0 240 58	Green	
1	0 240 59	Black	

With long handle IP 66

1	0 240 60	Black	2 stay-put positions - 45°
1	0 240 61	Black	3 stay-put positions - 45°

Stay-put mushroom head

Push-pull

1	0 240 80	Red - Emergency stop Ø40
5	0 240 82	Red - EN 418 emergency stop Ø40

Push-turn

1	0 240 91	Red - Emergency stop Ø40

Pilot lights

10	0 241 60	White
10	0 241 61	Red
10	0 241 62	Green
5	0 241 63	Blue
5	0 241 64	Yellow

One-piece pilot lights

To be used without electrical block

With integrated Led

Pack	Cat.Nos	
10	0 241 20	White - 24 V~/⎓
10	0 241 21	Red - 24 V~/⎓
10	0 241 22	Green - 24 V~/⎓
1	0 241 23	Blue - 24 V~/⎓
10	0 241 24	Yellow - 24 V~/⎓
1	0 241 30	White - 130 V~
1	0 241 31	Red - 130 V~
1	0 241 32	Green - 130 V~
1	0 241 33	Blue - 130 V~
1	0 241 34	Yellow - 130 V~
10	0 241 40	White - 230 V~
10	0 241 41	Red - 230 V~
10	0 241 42	Green - 230 V~
1	0 241 43	Blue - 230 V~
10	0 241 44	Yellow - 230 V~

For BA9S lamp (not supplied)

Direct supply

10	0 241 00	Colourless
10	0 241 01	Red
10	0 241 02	Green
1	0 241 03	Blue
10	0 241 04	Yellow
10	0 241 05	White

Weatherproof cabinets, **p. 242**



Osmoz control and signalling units: block sub-assemblies


0 229 61


0 229 76


0 229 78


0 230 14

Technical characteristics **p. 307 and e-catalogue**

Clip and screw electrical blocks assembled
Conform to IEC 60947-5-1

Pack	Cat.Nos	For non-illuminated heads
		Screw terminals
10	0 229 61	NC + 1 position clip
10	0 229 62	NO + 1 position clip
5	0 229 65	NO/NC + 3 position clip
5	0 229 66	2 x NO/NC + 3 position clip
1	0 229 71	NC + 3 position clip
1	0 229 72	NO + 3 position clip
10	0 229 73	2 NC + 3 position clip
10	0 229 74	2 NO + 3 position clip
10	0 229 76	NO + NC + 3 position clip
1	0 229 77	2 NO + NC + 3 position clip
1	0 229 78	NO + 2 NC + 3 position clip

		For illuminated heads
		Screw terminals
		With 3 position clip
1	0 229 80	White - 12-24 V~/⎓ - 2 NO/NC
1	0 229 81	Red - 12-24 V~/⎓ - 2 NO/NC
1	0 229 82	Green - 12-24 V~/⎓ - 2 NO/NC
5	0 230 00	White - 12-24 V~/⎓ - NO
5	0 230 01	Red- 12-24 V~/⎓ - NO
5	0 230 02	Green- 12-24 V~/⎓ - NO
1	0 230 03	White - 12-24 V~/⎓ - NO + NC
1	0 230 04	Red - 12-24 V~/⎓ - NO + NC
1	0 230 05	Green - 12-24 V~/⎓ - NO + NC
5	0 230 06	White - 12-24 V~/⎓ - 2 NO
5	0 230 07	Red - 12-24 V~/⎓ - 2 NO
5	0 230 08	Green - 12-24 V~/⎓ - 2 NO
1	0 229 90	White - 230 V~ - 2 NO/NC
1	0 229 91	Red - 230 V~ - 2 NO/NC
1	0 229 92	Green - 230 V~ - 2 NO/NC
5	0 230 10	White - 230 V~ - NO
5	0 230 11	Red - 230 V~ - NO
5	0 230 12	Green - 230 V~ - NO
1	0 230 13	White - 230 V~ - NO + NC
1	0 230 14	Red - 230 V~ - NO + NC
1	0 230 15	Green - 230 V~ - NO + NC
5	0 230 16	White - 230 V~ - 2 NO
5	0 230 17	Red - 230 V~ - 2 NO
5	0 230 18	Green - 230 V~ - 2 NO

Osmoz control and signalling units: electrical blocks


0 229 01


0 229 02


0 229 42


0 229 60


0 229 64


0 229 68

Technical characteristics **p. 307 and e-catalogue**

IP 20
Conform to IEC 60947-5-1

Pack	Cat.Nos	For non-illuminated heads
		Contact blocks
		Screw terminals
20	0 229 01	NC
20	0 229 02	NO
10	0 229 03	NO/NC

		For illuminated heads
		Screw terminals
5	0 229 10	White - 12-24 V~/⎓
5	0 229 11	Red - 12-24 V~/⎓
5	0 229 12	Green - 12-24 V~/⎓
5	0 229 13	Blue - 12-24 V~/⎓
5	0 229 14	Yellow - 12-24 V~/⎓
1	0 229 20	White - 48 V~/⎓
1	0 229 21	Red - 48 V~/⎓
1	0 229 22	Green - 48 V~/⎓
1	0 229 23	Blue - 48 V~/⎓
1	0 229 24	Yellow - 48 V~/⎓
5	0 229 40	White - 230 V~
5	0 229 41	Red - 230 V~
5	0 229 42	Green - 230 V~
5	0 229 43	Blue - 230 V~
5	0 229 44	Yellow - 230 V~

		Clips
		Mounting (p. 307)
20	0 229 60	1 position
20	0 229 64	3 positions
10	0 229 68	5 positions

For detailed dimensions, **see e-catalogue**

Osmoz control and signalling units control stations to be equipped


0 242 01


0 242 02


0 242 03


0 242 41


0 242 42


0 242 72

Technical characteristics **p. 307 and e-catalogue**

Empty control stations to be equipped with:
- illuminated or non-illuminated heads (p. 302 to 304)
- specific blocks for control stations

Pack	Cat.Nos	**Control stations (to be equipped) IP 66 - IK 07**
		Possibility to mount 3 electrical blocks per hole
1	0 242 00	1 hole - grey
1	0 242 01	1 hole - yellow cover
1	0 242 02	2 holes - grey
1	0 242 03	3 holes - grey
1	0 242 04	4 holes - grey
1	0 242 05	5 holes - grey
		Specific blocks
		Contact block mounted on control station base
		Screw terminals
10	0 242 41	NC
10	0 242 42	NO
		Illuminated LED blocks
1	0 242 50	○ White - 12-24 V~/⎓
1	0 242 51	● Red - 12-24 V~/⎓
1	0 242 52	● Green - 12-24 V~/⎓
1	0 242 53	● Blue - 12-24 V~/⎓
1	0 242 54	● Yellow - 12-24 V~/⎓
1	0 242 70	○ White - 230 V~
1	0 242 71	● Red - 230 V~
1	0 242 72	● Green - 230 V~
1	0 242 74	● Blue - 230 V~
1	0 242 73	● Yellow - 230 V~

Osmoz control and signalling units accessories


0 241 81


0 044 05 with stay-put mushroom head Cat.No 0 238 82


0 241 88


0 241 85


0 243 30


0 243 15

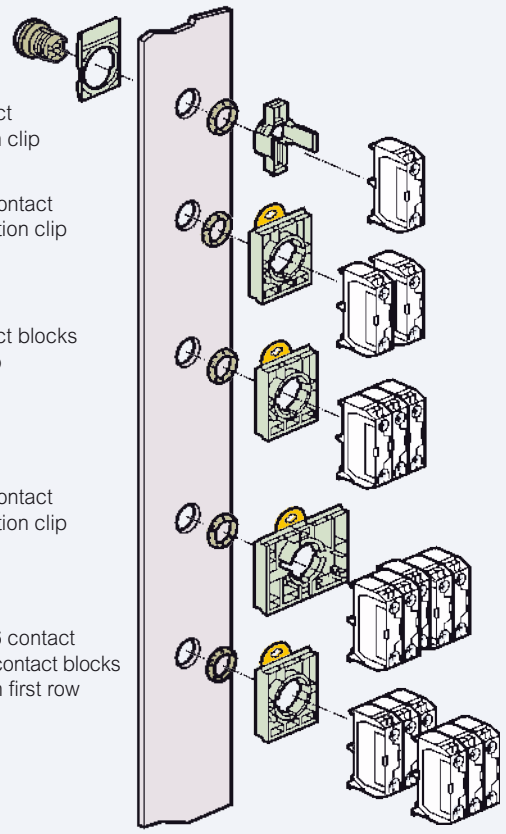

0 243 19

Pack	Cat.Nos	**BA9S bulbs**
		For one-piece pilot lights
10	0 241 71	● Red - neon - 230 V~
		Mounting accessories
		IP 67 shroud
		Reinforced degree of protection: IP 67
		For spring return buttons
5	0 241 90	○ Transparent
5	0 241 91	● Red
5	0 241 92	● Green
5	0 241 93	● Black
1	0 241 96	○ Transparent for twin touch flush/projecting
1	0 241 81	Yellow - standard padlockable guard for mushroom head
		Pre-drilled supports
		Clip-on to DIN rail ⎍
10	0 044 05	Pre-drilled support for mounting 150 x Ø22.5 control and signalling units
1	0 248 45	Double pre-drilled support 300 x Ø22.5 control and signalling units
		Miscellaneous
1	0 241 88	Padlockable shroud
10	0 241 87	Blanking plug - black
1	0 241 73	Bulb extractor
1	0 241 85	Fixing tool
		Legend plates
		To mount on frame
		Without engraving
10	0 243 02	○ Alu - standard model
10	0 243 03	● Black - standard model
10	0 243 07	○ Alu - large model
10	0 243 08	● Black - large model
		With engraving
		○ Alu - standard model
10	0 243 30	"O I"
10	0 243 32	"I O II"
10	0 243 43	"MANU - AUTO"
10	0 243 44	"MANU - O - AUTO"
10	0 243 51	"START"
		Round legend plate for mushroom head
		○ Yellow
10	0 241 76	Ø60 "EMERGENCY STOP"
10	0 241 79	Ø80 "EMERGENCY STOP"
		Frames
		Supplied without legend plate
		Without engraving
10	0 243 15	Round - standard model
10	0 243 16	Round - large model
10	0 243 18	Square - standard model
10	0 243 19	Round - standard model for twin touch

Osmoz control and signalling units

Mounting

Non illuminated



Head with 1 contact block on 1 position clip

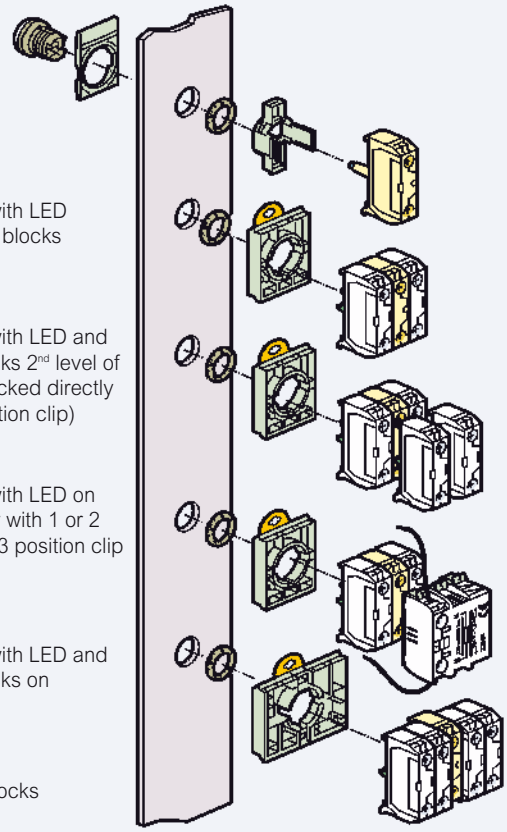
Head with 1 or 2 contact blocks on a 3 position clip

Head with 3 contact blocks on a 3 position clip

Head with 4 or 5 contact blocks on a 5 position clip

Head with 4, 5 or 6 contact blocks 2nd level of contact blocks stacked directly on first row (3 position clip)

Illuminated



Pilot light on 1 position clip

Illuminated head with LED and 1 or 2 contact blocks on 3-position clip

Illuminated head with LED and 3 or 4 contact blocks 2nd level of contact blocks stacked directly on first row (3 position clip)

Illuminated head with LED on transformer supply with 1 or 2 contact blocks on 3 position clip

Illuminated head with LED and 3 or 4 contact blocks on 5 position clip

Illuminated blocks

Technical characteristics

- Climatic resistance:
  - conform to IEC 60068-2-3 (constant humid heat)
  - conform to IEC 60068-2-30 (cyclical damp heat)
- Degree of protection conform to IEC 60529
  - IP 66 for standard heads
  - IP 67 for shrouded heads
  - IP 66 for equipped control stations
  - IP 20 at the rear of the panel for contact blocks and one piece pilot lights
  - Nema 4x, 12 and 13 for heads and control stations
- Protection against mechanical shocks conform to IEC 50102:
IK 05 illuminated and non illuminated heads
IK 07 empty control station
- Protection against electrical shocks:
Class II according to IEC 60947-5-1
- Tightening torque: head nut: recommended 3 N.m
terminals: max. 1.2 N.m
cULus and Bureau Veritas approvals

Contact blocks (for non illuminated heads)

• Rated insulation voltage:
Degree of pollution 3
690 V according to IEC/EN60947 for flush block with screw terminals or spring terminals
600 V AC according to UL 508

• NC contacts:
Positive opening conform to IEC/EN 60947-5-1

• Rated impulse withstand voltage Uimp: 6kV contact blocks

• Convention therminal conform to IEC 60947-5-1current in free air conditions:
AC: 10 A
DC: 2.5 A

• Electrical performance:

- AC according to IEC 60947-5-1	- DC according to IEC 60947-5-1
AC15 - A 600	DC13 - Q 600
Ue = 120 V, Ie = 6 A	Ue = 125 V, Ie = 0.55 A
Ue = 240 V, Ie = 3 A	Ue = 250 V, Ie = 0.27 A
Ue = 380 V, Ie = 1.9 A	Ue = 400 V, Ie = 0.15 A
Ue = 480 V, Ie = 1.5 A	Ue = 500 V, Ie = 0.13 A
Ue = 500 V, Ie = 1.4 A	Ue = 500 V, Ie = 0.1 A
Ue = 500 V, Ie = 1.2 A	

- Electrical durability
1 million cycles for:
  - AC15 - B 300
Ue = 120 V, Ie = 3 A
Ue = 240 V, Ie = 1.5 A
  - DC13 - R 300
Ue = 125 V, Ie = 0.22 A
Ue = 250 V, Ie = 0.1 A

• Connection capacity (rigid or flexible wire)
without ferrule: 2 x 0.5 mm^2 to 2 x 2.5 mm^2
with ferrule: 2 x 0.5 mm^2 to 2 x 1.5 mm^2

LED blocks and LED pilot lights (for illuminated heads)

• Rated insulation voltage:
Degree of pollution 3
300 V according to IEC/EN60947-5-1

• Rated insulation withstand voltage Uimp:
4kV conform to IEC/EN 60947-1

• Operating voltage:
12 to 24 V AC/DC
130 V AC
230 V AC
} ± 10 %

• Frequency: 50 or 60 Hz

• Lifetime at rated supply voltage:
Red and yellow: 100,000 hours at 25°C
Other colours: 50,000 hours at 25°C

• Consumption of LED blocks:
Voltage:
- 24 V: 25 mA ± 20%
- 48 V: 15 mA ± 10%
- 130 V: 20 mA ± 10%
- 230 V: 16 mA ± 30%

Dimensions
see e-catalogue

Cam switches insulating box



0 277 11



0 277 46



0 277 76

Technical characteristics **p. 309 and e-catalogue**

For selecting and changing the status of the circuits into which it is integrated
For viewing the state of equipment according to the position of the selector lever
Boxed device, class II. Contacts with positive opening and double breaking of poles
Presentation: black or grey/black selector lever, faceplate with marking
Conform to standards IEC EN 60947-3
IP 65 for 76 x 76 and 96 x 120 mm boxes. IP 55 for 135 x 170 mm boxes

Function: on/off switch

76 x 76 mm box

Pack	Cat.Nos	Number of poles	Range	Max. rating AC 21 (A)	Position	Number of contacts
1	0 277 10	1	PR 12	16		1
1	0 277 11	2	PR 12	16		2
1	0 277 12	3	PR 12	16		3
1	0 277 13	4	PR 12	16		4

96 x 120 mm box

Pack	Cat.Nos	Number of poles	Range	Max. rating AC 21 (A)	Position	Number of contacts
1	0 277 16	2	PR 17	20		2
1	0 277 17	3	PR 17	20		3
1	0 277 18	4	PR 17	20		4
1	0 277 21	2	PR 21	25		2
1	0 277 22	3	PR 21	25		3
1	0 277 23	4	PR 21	25		4

Function: changeover switches

Without off - 96 x 120 mm box

Pack	Cat.Nos	Number of poles	Range	Max. rating AC 21 (A)	Position	Number of contacts
1	0 277 55	3	PR 12	16		6
1	0 277 56	4	PR 12	16		8
1	0 277 58	4	PR 17	20		8
1	0 277 60	4	PR 21	25		8
1	0 277 62	4	PR 26	32		8

Without off - 135 x 170 mm box

Pack	Cat.Nos	Number of poles	Range	Max. rating AC 21 (A)	Position	Number of contacts
1	0 277 64	4	PR 40	50		8
1	0 277 66	4	PR 63	63		8

With off - 96 x 120 mm box

Pack	Cat.Nos	Number of poles	Range	Max. rating AC 21 (A)	Position	Number of contacts
1	0 277 25	1	PR 12	16		2
1	0 277 26	2	PR 12	16		4
1	0 277 27	3	PR 12	16		6
1	0 277 28	4	PR 12	16		8
1	0 277 31	2	PR 17	20		4
1	0 277 32	3	PR 17	20		6
1	0 277 33	4	PR 17	20		8
1	0 277 36	2	PR 21	25		4
1	0 277 37	3	PR 21	25		6
1	0 277 38	4	PR 21	25		8
1	0 277 41	2	PR 26	32		4
1	0 277 42	3	PR 26	32		6
1	0 277 43	4	PR 26	32		8

Function: changeover switch (continued)

With off - 135 x 170 mm box

Pack	Cat.Nos	Number of poles	Range	Max. rating AC 21 (A)	Position	Number of contacts
1	0 277 46	2	PR 40	50		4
1	0 277 47	3	PR 40	50		6
1	0 277 48	4	PR 40	50		8
1	0 277 51	2	PR 63	63		4
1	0 277 52	3	PR 63	63		6
1	0 277 53	4	PR 63	63		8

Function: 3-way switches

With off - 76 x 76 mm box

Pack	Cat.Nos	Number of poles	Range	Max. rating AC 21 (A)	Position	Number of contacts
1	0 277 67	1	PR 12	16		3

With off - 96 x 120 mm box

Pack	Cat.Nos	Number of poles	Range	Max. rating AC 21 (A)	Position	Number of contacts
1	0 277 68	1	PR 12	16		3
1	0 277 69	2	PR 12	16		6

Function: 3-phase motor switch

Forward/reverse switch, 1 speed

Pack	Cat.Nos	Range	Max. rating AC 3 (kW)	Position	Number of contacts
1	0 277 70	PR 12	4		5
1	0 277 75	PR 17	7.5		5
1	0 277 78	PR 21	7.5		5
1	0 277 81	PR 26	11		5
1	0 277 84	PR 40	18.5		5

Starter 1 way, 1 speed

Pack	Cat.Nos	Range	Max. rating AC 3 (kW)	Position	Number of contacts
1	0 277 71	PR 12	4		8
1	0 277 76	PR 17	7.5		8
1	0 277 79	PR 21	7.5		8
1	0 277 82	PR 26	11		8
1	0 277 85	PR 40	18.5		8

Starter 1 way, 2 speed Dalhander

Pack	Cat.Nos	Range	Max. rating AC 3 (kW)	Position	Number of contacts
1	0 277 72	PR 12	4		8
1	0 277 77	PR 17	7.5		8
1	0 277 80	PR 21	7.5		8
1	0 277 83	PR 26	11		8
1	0 277 73	PR 12	4		8

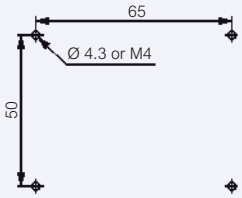
Cam switches

Electrical characteristics

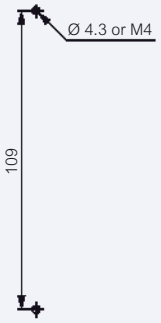
		PR 12	PR 17	PR 21	PR 26	PR 40	PR 63
Thermal rating		20 A	25 A	32 A	40 A	63 A	63 A
Rated operating current (Ie) AC 21		16 A	20 A	25 A	32 A	50 A	63 A
Rated operating current (Ie) AC 15		6 A	8 A	10 A	12 A	-	-
Motor performance AC 23	**3 x 230 V**	4 kW	5.5 kW	7.5 kW	11 kW	15 kW	18.5 kW
	3 x 400 V	7.5 kW	11 kW	11 kW	11 kW	22 kW	25 kW
	3 x 500 V	5.5 kW	11 kW	11 kW	11 kW	25 kW	25 kW
	3 x 690 V	4 kW	10 kW	10 kW	11 kW	18.5 kW	22 kW
Motor performance AC 3	**3 x 230 V**	3 kW	4 kW	4 kW	5.5 kW	11 kW	15 kW
	3 x 400 V	4 kW	7.5 kW	7.5 kW	11 kW	18.5 kW	22 kW
	3 x 500 V	5.5 kW	7.5 kW	7.5 kW	11 kW	18.5 kW	22 kW
	3 x 690 V	3 kW	7.5 kW	7.5 kW	11 kW	18.5 kW	22 kW
Degree of protection	**front**	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40
	back	IP 2X	IP 2X	IP 2X	IP 2X	-	-
Insulation voltage (Ui)		690 V	690 V	690 V	690 V	690 V	690 V
Max. cable cross-section	**flexible**	2.5 mm²	4 mm²	4 mm²	6 mm²	16 mm²	16 mm²
	rigid	4 mm²	6 mm²	6 mm²	6 mm²	16 mm²	16 mm²

Drilling

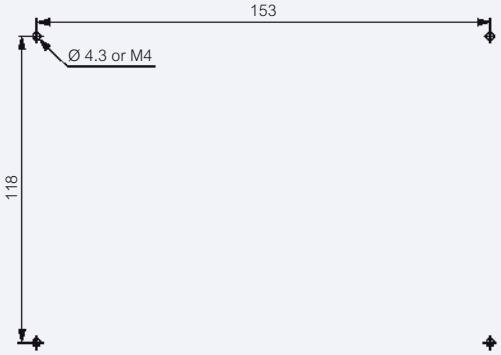
For PR 12 - 76 x 76 mm box
2 x 2 knock-out entries PG 16



For PR 12, PR 17, PR 21 and PR 26 - 96 x 120 mm box
2 x 2 knock-out entries PG 16

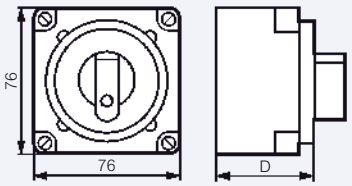


For PR 40 and PR 63 - 135 x 170 mm box
6 knock-out entries PG 21
+ 4 knock-out entries PG 29



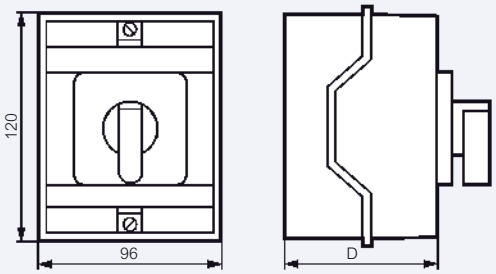
Dimensions

For PR 12 (1 to 4 contacts)



Number of contacts PR 12	D
1 to 2	46
3 to 4	58

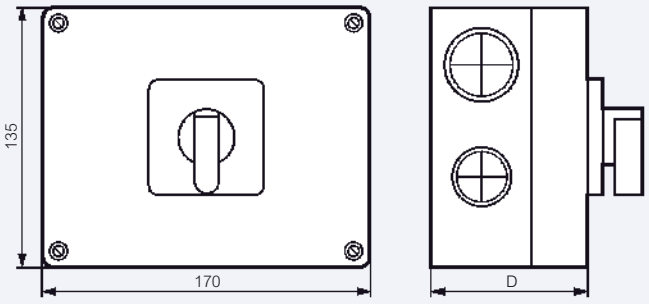
For PR 12 (1 to 9 contacts)
PR 17 and 21 (1 to 9 contacts)
PR 26 (1 to 8 contacts)



Number of contacts PR 12/17/21	D
1 to 6	77
7 to 10	101

PR 26	D
1 to 4	77
5 to 8	101

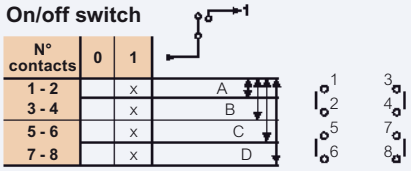
For PR 40/63 (1 to 8 contacts)



Number of contacts PR 40/63	D
1 to 4	107
5 to 8	145

Diagram - Terminals

On/off switch

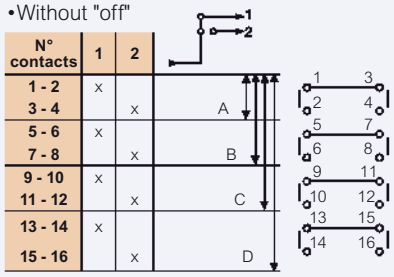


N° contacts	0	1
1 - 2		x
3 - 4		x
5 - 6		x
7 - 8		x

	PR 12	PR 17	PR 21
A	0 277 10	-	-
B	0 277 11	0 277 16	0 277 21
C	0 277 12	0 277 17	0 277 22
D	0 277 13	0 277 18	0 277 23

Changeover switch

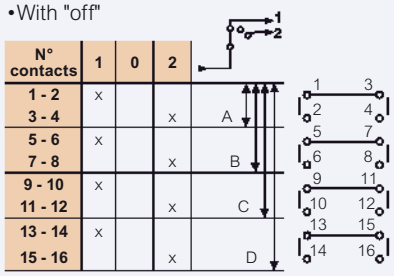
•Without "off"



N° contacts	1	2
1 - 2	x	
3 - 4		x
5 - 6	x	
7 - 8		x
9 - 10	x	
11 - 12		x
13 - 14	x	
15 - 16		x

	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63
C	0 277 55	-	-	-	-	-
D	0 277 56	0 277 58	0 277 60	0 277 62	0 277 64	0 277 66

•With "off"

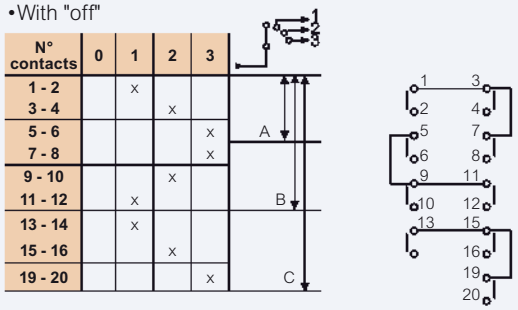


N° contacts	1	0	2
1 - 2	x		
3 - 4			x
5 - 6	x		
7 - 8			x
9 - 10	x		
11 - 12			x
13 - 14	x		
15 - 16			x

	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63
A	0 277 25	-	-	-	-	-
B	0 277 26	0 277 31	0 277 36	0 277 41	0 277 46	0 277 51
C	0 277 27	0 277 32	0 277 37	0 277 42	0 277 47	0 277 52
D	0 277 28	0 277 33	0 277 38	0 277 43	0 27748	0 277 53

3-way switch

•With "off"



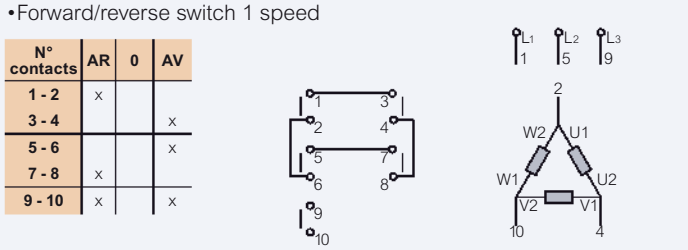
N° contacts	0	1	2	3
1 - 2		x		
3 - 4			x	
5 - 6				x
7 - 8				x
9 - 10			x	
11 - 12		x		
13 - 14		x		
15 - 16			x	
19 - 20				x

	PR 12
A	0 277 67/68
B	0 277 69

Diagram - terminals (continued)

3-phase motor switch

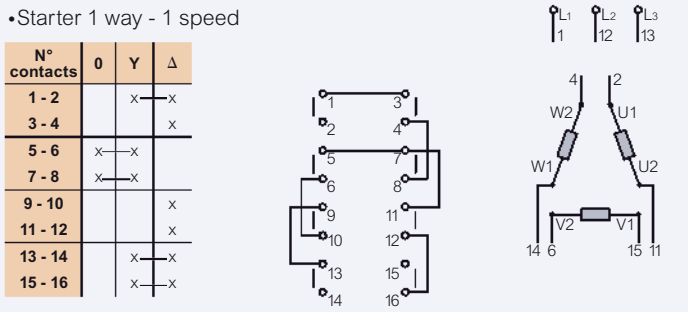
•Forward/reverse switch 1 speed



N° contacts	AR	0	AV
1 - 2	x		
3 - 4			x
5 - 6			x
7 - 8	x		
9 - 10	x		x

	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63
Boxes	0 277 70	0 277 75	0 277 78	0 277 81	0 277 84	-

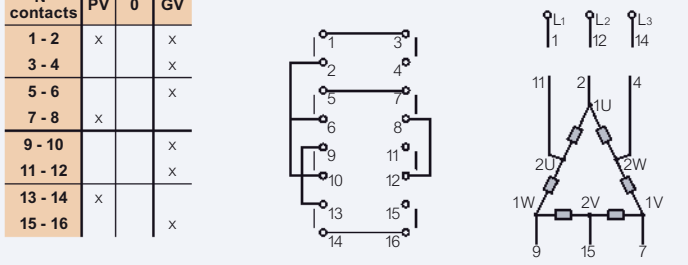
•Starter 1 way - 1 speed



N° contacts	0	Y	Δ
1 - 2		x	x
3 - 4			x
5 - 6	x		x
7 - 8	x		
9 - 10			x
11 - 12			x
13 - 14		x	x
15 - 16		x	x

	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63
Boxes	0 277 71	0 277 76	0 277 79	0 277 82	0 277 85	-

•Starter 1 way - 2 speed Dahlander
2 possible configurations: 0 - PV - GV
PV - 0 - GV

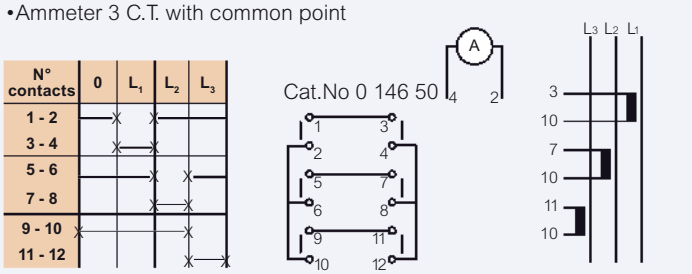


N° contacts	PV	0	GV
1 - 2	x		x
3 - 4			x
5 - 6			x
7 - 8	x		
9 - 10			x
11 - 12			x
13 - 14	x		
15 - 16			x

	PR 12	PR 17	PR 21	PR 26	PR 40
Boxes					
0 - PV - GV	0 277 72	0 277 77	0 277 80	0 277 83	-
PV - 0 - GV	0 277 73	-	-	-	-

Selective measurement switches

•Ammeter 3 C.T. with common point



N° contacts	0	L_1	L_2	L_3
1 - 2		X	X	
3 - 4		X		
5 - 6			X	X
7 - 8			X	X
9 - 10	X			X
11 - 12			X	X

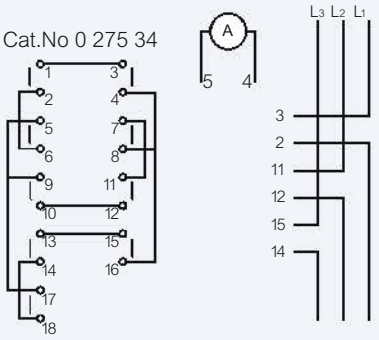
Cat.No 0 146 50

Selective measurement switches (continued)

•Ammeter without C.T.

N° contacts	0	L_1	L_2	L_3
1 - 2		X	X	
3 - 4		X		
5 - 6		X		
7 - 8			X	X
9 - 10			X	X
11 - 12			X	X
13 - 14	X			X
15 - 16				X
17 - 18				X

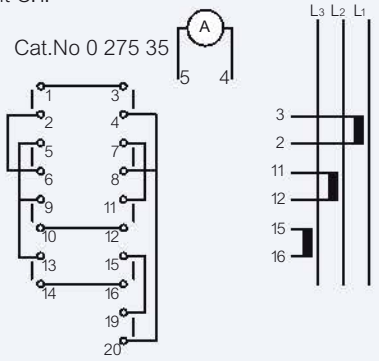
Cat.No 0 275 34



•Ammeter with 3 independent C.T.

N° contacts	0	L_1	L_2	L_3
1 - 2		X	X	
3 - 4		X		
5 - 6		X		
7 - 8			X	X
9 - 10			X	X
11 - 12			X	X
13 - 14				X
15 - 16				X
19 - 20				X

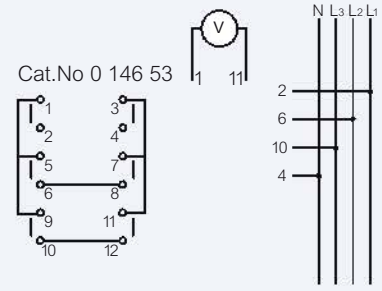
Cat.No 0 275 35



•Voltmeter without neutral

N° contacts	0	L_1	L_2	L_3
1 - 2		X		X
3 - 4			X	
5 - 6		X	X	
7 - 8				X

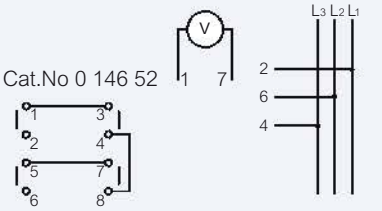
Cat.No 0 146 53



•Voltmeter with neutral

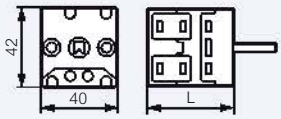
N° contacts	L_3 L_1	L_2 L_3	L_1 L_2	0 0	L_1 N	L_2 N	L_3 N
1 - 2	X		X		X		
3 - 4					X	X	X
5 - 6		X				X	
7 - 8			X				
9 - 10							X
11 - 12	X	X					

Cat.No 0 146 52

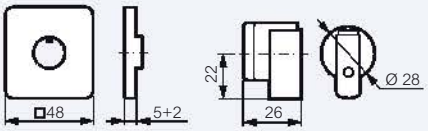


Dimensions

PR 12



Number of contacts	L Screw fixing
3 to 4	46
5 to 6	56
9 to 10	76





0 275 35

For selecting and changing the status of the circuits into which it is integrated
For viewing the state of equipment according to the position of the selector lever
Mounting on enclosure doors
Contacts with positive opening and double breaking of poles
Presentation: grey/black selector lever - aluminium faceplate with marking
Conform to standards IEC EN 60947-3
Approved to UL-CSA (USA - Canada)
IP 40 at front of enclosure (selector lever)
IP 2X at back of enclosure up to PR 26

Pack	Cat.Nos	**Function: selective measurement switches**				
		Ammeters				
		1 network, 3-wire, 1 ammeter				
		Range	Max. rating AC 21 (A)	Position	Number of contacts	Function
1	0 146 50	PR 12	16		6	3 C.T. with common point without C.T.
1	0 275 34	PR 12	16		9	
1	0 275 35	PR 12	16		9	3 independant C.T.
		Voltmeters				
		3-phase network, 1 voltmeter				
		Range	Max. rating AC 21 (A)	Position	Number of contacts	Function
1	0 146 52	PR 12	16		4	without neutral
1	0 146 53	PR 12	16		6	with neutral

Control, safety and circuit isolation transformers

single-phase



0 442 14



0 442 68



0 442 71

Technical characteristics **p. 315**
Protection **p. 320**

IP 2X or XXB up to 400 VA - IP XXA over 400 VA - IK 04
Conform to IEC EN 61558-2-2 and 2-4 or 2-6, UL506 and CSA C22-2-No 66
UL USA and Canada agreements. Products suitable for building equipment conforming to standards EN 61131-2, EN 60204-1 and EN 60439-1
Active parts protected by cover up to 1000 VA. Interference filtering (except Cat.Nos 0 442 16/17/18)
Direct fixing possibility on symmetrical rail ⊔ up to 250 VA. Supplied with connection strip 0 V secondary / earth up to 1000 VA (except spring connection range)

Control and safety - screw connection

Input voltage = 230 V ± 15 V
Output voltage = 24 V

Pack	Cat.Nos	Power in VA according to IEC and CSA	Power in VA according to UL	Instantaneous admissible power at cos φ = 0.5
1	0 442 11	40	40	50
1	0 442 12	63	63	88
1	0 442 13	100	100	170
1	0 442 14	160	140	250
1	0 442 15	250	210	420
1	0 442 16	400	300	850
1	0 442 17	630	500	1500
1	0 442 18	1000	700	2000

Input voltage = 460 V ± 20 V
Output voltage = 24 V

Pack	Cat.Nos	Power in VA according to IEC and CSA	Power in VA according to UL	Instantaneous admissible power at cos φ = 0.5
1	0 442 41	40	40	55
1	0 442 42	63	63	90
1	0 442 43	100	100	150
1	0 442 44	160	140	270
1	0 442 45	250	210	420
1	0 442 46	400	300	980
1	0 442 47	630	450	1000
1	0 442 48	1000	700	2000
1	0 442 49	1600	700	9100
1	0 442 50	2500	1400	3300

Input voltage = 230-400 V ± 15 V
Output voltage = 24-48 V
Supplied with 2 coupling strips

Pack	Cat.Nos	Power in VA according to IEC and CSA	Power in VA according to UL	Instantaneous admissible power at cos φ = 0.5
1	0 442 31	40	40	52
1	0 442 32	63	63	87
1	0 442 33	100	100	150
1	0 442 34	160	140	250
1	0 442 35	250	210	420
1	0 442 36	400	300	700
1	0 442 37	630	500	1700
1	0 442 38	1000	700	2000
1	0 442 39	1600	700	8500
1	0 442 40	2500	1400	3300

24 V 48 V

Control and circuit isolation- screw connection

Input voltage = 230-400 V ± 15 V
Output voltage = 115-230 V
Supplied with 2 coupling strips

Pack	Cat.Nos	Power in VA according to IEC and CSA	Power in VA according to UL	Instantaneous admissible power at cos φ = 0.5
1	0 442 61	40	40	50
1	0 442 62	63	63	86
1	0 442 63	100	100	150
1	0 442 64	160	140	250
1	0 442 65	250	210	430
1	0 442 66	400	300	1100
1	0 442 67	630	500	1600
1	0 442 68	1000	700	2000
1	0 442 69	1600	700	6100
1	0 442 70	2500	1300	7100
1	0 442 71	4000	2400	11400
1	0 442 72	5000	3300	17500
1	0 442 73	6300	3700	16000
1	0 442 74	8000	4500	32100

Input voltage = 460 V ± 20 V
Output voltage = 115-230 V
Supplied with 2 coupling strips

Pack	Cat.Nos	Power in VA according to IEC and CSA	Power in VA according to UL	Instantaneous admissible power at cos φ = 0.5
1	0 442 81	40	40	50
1	0 442 82	63	63	86
1	0 442 83	100	100	150
1	0 442 84	160	140	250
1	0 442 85	250	210	430
1	0 442 86	400	300	1100
1	0 442 87	630	500	1600
1	0 442 88	1000	700	2000
1	0 442 89	1600	700	6100
1	0 442 90	2500	1300	7100
1	0 442 91	4000	2400	11400

Control and safety - spring connection

Input voltage = 230-400 V ± 15 V
Output voltage = 24 V

Pack	Cat.Nos	Power in VA according to IEC and CSA	Power in VA according to UL	Instantaneous admissible power at cos φ = 0.5
1	0 442 01	40	40	50
1	0 442 02	63	63	88
1	0 442 03	100	100	170
1	0 442 04	160	140	250
1	0 442 05	250	210	420
1	0 442 06	400	300	850

Control and circuit isolation - spring connection

Input voltage = 230 V ± 15 V
Output voltage = 230 V

Pack	Cat.Nos	Power in VA according to IEC and CSA	Power in VA according to UL	Instantaneous admissible power at cos φ = 0.5
1	0 442 51	40	40	50
1	0 442 52	63	63	86
1	0 442 53	100	100	150
1	0 442 54	160	140	250
1	0 442 55	250	210	360
1	0 442 56	400	300	1100

Equipment transformers

single-phase



0 428 40 +
0 428 99



connection strip
supplied up to 450 VA
(except Cat.No 0 428 46)



0 428 41 supplied with connection strip



0 427 92

IP 2X or XXB up to 450 VA (up to 310 VA in 12-24 V) - IK 04
Clip on fixing possibility up to 160 VA with accessories Cat.No 0 044 16 or 0 428 99
Transformers with 2 secondary voltage supplied with coupling strip
Transformers up to 450 VA supplied with isolated strip for 0 V connection secondary / earth (except Cat.No 0 428 46)
Conform to IEC EN 61558-2-6 for 12 V, 24 V and 48 V and conform to IEC EN 61558-2-4 for 115 V and 230 V
Products suitable for building equipment conforming to standards EN 61131-2, EN 60204-1 and EN 61 439-1

Safety

Input voltage = 230-400 V
Output voltage = 12-24 V

Pack	Cat.Nos	Power (VA)	Primary terminal flexible cable (mm²)	Secondary terminal flexible cable (mm²)
1	0 428 40	40	1 to 4	1 to 4
1	0 428 41	63	1 to 4	1 to 4
1	0 428 42	100	1 to 4	1 to 4
1	0 428 43	160	1 to 4	1 to 4
1	0 428 44	220	1 to 4	1 to 4
1	0 428 45	310	1 to 4	1 to 4
1	0 428 46	450	1 to 4	1 to 16
1	0 428 47	630	1 to 4	1 to 16
1	0 428 49	1000	0.25 to 6	4 to 35

Input voltage = 230-400 V
Output voltage = 24 V

Pack	Cat.Nos	Power (VA)	Primary terminal flexible cable (mm²)	Secondary terminal flexible cable (mm²)
1	0 428 55	40	1 to 4	1 to 4
1	0 428 56	63	1 to 4	1 to 4
1	0 428 57	100	1 to 4	1 to 4
1	0 428 58	160	1 to 4	1 to 4
1	0 428 59	220	1 to 4	1 to 4
1	0 428 60	310	1 to 4	1 to 4
1	0 428 61	450	1 to 4	1 to 4
1	0 428 62	630	1 to 4	1 to 16

Input voltage = 230-400 V
Output voltage = 24-48 V

Pack	Cat.Nos	Power (VA)	Primary terminal flexible cable (mm²)	Secondary terminal flexible cable (mm²)
1	0 428 70	40	1 to 4	1 to 4
1	0 428 71	63	1 to 4	1 to 4
1	0 428 72	100	1 to 4	1 to 4
1	0 428 73	160	1 to 4	1 to 4
1	0 428 74	220	1 to 4	1 to 4
1	0 428 75	310	1 to 4	1 to 4
1	0 428 76	450	1 to 4	1 to 4
1	0 428 77	630	1 to 4	1 to 16

Circuits isolation

Input voltage = 230-400 V
Output voltage = 115-230 V

Pack	Cat.Nos	Power (VA)	Primary terminal flexible cable (mm²)	Secondary terminal flexible cable (mm²)
1	0 427 85	40	1 to 4	1 to 4
1	0 427 86	63	1 to 4	1 to 4
1	0 427 87	100	1 to 4	1 to 4
1	0 427 88	160	1 to 4	1 to 4
1	0 427 89	220	1 to 4	1 to 4
1	0 427 90	310	1 to 4	1 to 4
1	0 427 91	450	1 to 4	1 to 4
1	0 427 92	630	1 to 4	1 to 4

Accessories

For clip on rail (90° mounting) of transformers up to 160 VA with 2 claws



Pack	Cat.Nos	
5	0 428 99	Plate
10	0 044 16	Claw witdh 10 mm Threaded hole For M4 screw

Isolating transformers for hospitals (IEC 61558-2-15), **p. 823**



Transformers and auto-transformers IP 55

single-phase


0 427 23


0 425 14


0 422 82

Technical characteristics **p. 318**
Protection devices **p. 320**

Safety transformers

Conform to standard IEC EN 61558-2-6
For 63 VA transformers:
• Fuse cartridges: 5 x 20 time-delayed
• Fuse carrier: Cat.No 0 371 81
For 100 VA and greater transformers:
• Up to 25 A : gG 10 x 38 fuse cartridges and fuse carrier Cat. No. 0 058 08
• From 25 A to 50 A : gG 14 x 51 fuse cartridges and fuse carrier Cat.No 0 215 01
• From 50 A upwards : gG 22 x 58 fuse cartridges and fuse carrier Cat.No 0 216 01
• C curve MCBs

Input voltage = 230-400 V
Output voltage = 24-48 V

Pack	Cat.Nos	Power (VA)	Primary terminal flexible cable (mm²)	Secondary terminal flexible cable cross-section (mm²)
1	0 427 20	63	4	4
1	0 427 21	100	4	4
1	0 427 22	160	4	4
1	0 427 23	250	4	4
1	0 427 24	400	4	16
1	0 427 25	630	4	16
1	0 427 26	1000	4	16

Input voltage = 230 V
Output voltage = 12 V

Pack	Cat.Nos	Power (VA)	Primary terminal flexible cable (mm²)	Secondary terminal flexible cable cross-section (mm²)
1	0 427 60	63	4	4
1	0 427 61	100	4	4
1	0 427 62	160	4	4
1	0 427 63	250	4	4
1	0 427 64	400	4	16
1	0 427 65	630	4	16

Circuit isolation transformers

Conform to standard IEC EN 61558-2-4

Input voltage = 230-400 V
Output voltage = 115-230 V

Pack	Cat.Nos	Power (VA)	Primary terminal flexible cable (mm²)	Secondary terminal flexible cable cross-section (mm²)
1	0 425 10	63	4	4
1	0 425 11	100	4	4
1	0 425 12	160	4	4
1	0 425 13	250	4	4
1	0 425 14	400	4	16
1	0 425 15	630	4	16
1	0 425 16	1000	4	16

Auto-transformers

Single phase - protected
400-230 V or 230-400 V by reversibility
Conform to standard IEC 61558-2-13

Pack	Cat.Nos	Power (kVA)	Terminal primary flexible cable (mm²)	Terminal secondary flexible cable (mm²)
1	0 422 82	0.25	4	4
1	0 422 84	0.5	4	4
1	0 422 85	0.75	4	4
1	0 422 86	1	4	4
1	0 422 87	1.5	16	16
1	0 422 88	2	16	16

Control, safety and circuit isolation transformers

single-phase

Dimensions

Fig. 1: 40 to 400 VA

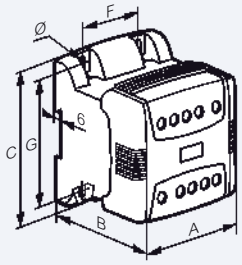


Fig. 2: 630-1000 VA

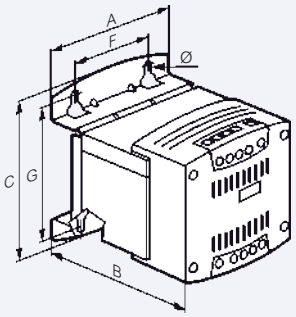


Fig. 3: 1600-2500 VA

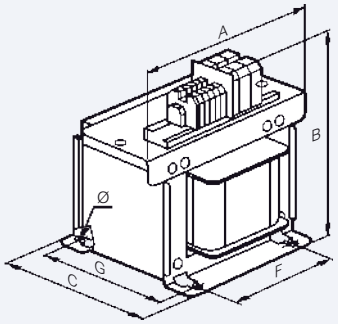
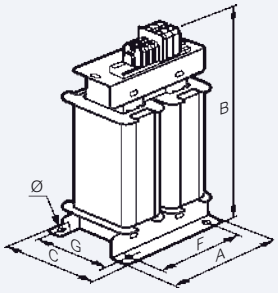


Fig. 4: 4000 to 8000 VA



Cat.Nos	Power (VA)	Fig.	Dimensions (mm)			Fixing[1]			Weight (Kg)
			A	B	C	F	G	Ø	
0 442 01/51	40	1	95	94	113	50	100	5.2	1.45
0 442 02/52	63	1	95	101	113	50	100	5.2	1.75
0 442 03/53	100	1	95	111	113	50	100	5.2	2.15
0 442 04/54	160	1	95	128	113	50	100	5.2	2.35
0 442 05/55	250	1	107	139	115	50	100	5.2	4
0 442 06/56	400	1	121	156	140	62.5	125	5.2	5.8
0 442 11/31/41/61/81	40	1	94	78	113	50	100	5.2	1.23
0 442 12/32/42/62/82	63	1	94	85	113	50	100	5.2	1.56
0 442 13/33/43/63/83	100	1	94	94	113	50	100	5.2	1.95
0 442 14/34/44/64/84	160	1	94	112	113	50	100	5.2	2.6
0 442 15/35/45/65/85	250	1	106	123	115	50	100	5.2	3.82
0 442 16/36/46/66/86	400	1	120	140	140	62.5	125	5.2	5.62
0 442 17/37/47/67/87	630	2	132	155	175	75	150	5.5	8
0 442 18/38/48/68/88	1000	2	150	199	206	100	175	7	14.9
0 442 39/49/69/89	1600	3	220	245	191	150	153	9	25.6
0 442 40/50/70/90	2500	3	300	292	171	200	114	9	33.1
0 442 71/91	4000	4	230	340	205	180	130	11	31
0 442 72	5000	4	240	390	205	180	130	11	40
0 442 73	6300	4	240	390	205	180	130	11	45
0 442 74	8000	4	240	390	280	180	140	11	64

1: Direct fixing possibility on symmetrical rail ⎓ up to 250 VA

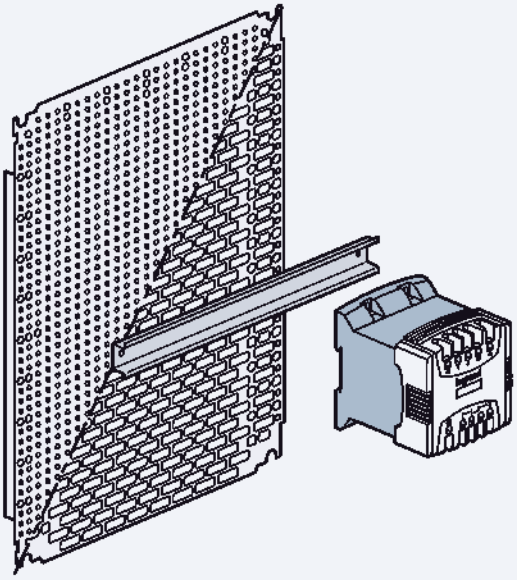
Associated protection

Nominal power (VA) acc. to IEC and CSA	24 V		48 V		115 V		230 V	
	Rating	MCBs Cat.Nos	Rating	MCBs Cat.Nos	Rating	MCBs Cat.Nos	Rating	MCBs Cat.Nos
40	2	T2AL[1]	1	T1AL[1]	0 4	T0.4AL[1]	0.2	T0.2AL[1]
63	3.15	T3.15AL[1]	1.6	T1.6AL[1]	0.63	T0.63AL[1]	0.315	T0.315AL[1]
100	4	4 076 95	2	4 076 93	1	4 076 92	0,5	4 076 91
160	8	4 076 97	4	4 076 95	2	4 076 93	1	4 076 92
250	10	4 076 98	6	4 076 96	2	4 076 93	1	4 076 92
400	16	4 077 00	8	4 076 97	4	4 076 95	2	4 076 93
630	25	4 077 02	13	4 076 99	6	4 076 96	3	4 076 94
1000	40	4 077 04	20	4 077 01	8	4 076 97	4	4 076 95
1600	63	4 077 90	32	4 077 03	13	4 076 99	8	4 076 97
2500	100	4 092 29	50	4 077 89	20	4 077 01	10	4 076 98
4000					32	4 077 03	16	4 077 00
5000					40	4 077 04	20	4 077 01
6300					50	4 077 89	25	4 077 02
8000					63	4 077 90	32	4 077 03

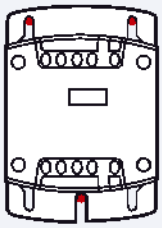
1: Fuse IEC 127 (5x20 T type cartridge fuse) - T: Time - lag fuse - L: Low breaking capacity

Fixing

On perforated plates Lina 25 and on Lina 12.5 plates
On symmetrical rail ⎓ up to 250 VA
fixing centres pitch 25 mm up to 1000 VA



Attachment at 3 points possible with through oblong on the secondary side

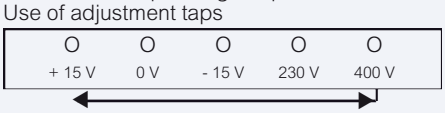


Control, safety and circuit isolation transformers (continued)

single-phase

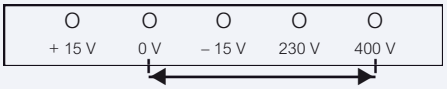
Characteristics

Single - phase 50-60 Hz - class I
Insulation voltage between windings: 4 510 V
Max. ambiant operating temperature without derating: 50 °C
Use of adjustment taps



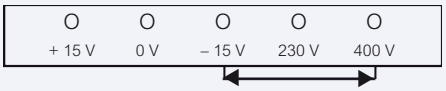
Connected to mains supply (U1) between terminals + 15 V and 230 or 400 V

1) If $U_1 > 230$ or 400 V
2) If $I_2 < I_{2n}$ (if load is lower than rated load, the secondary voltage must be reduced)



Connected to mains supply (U1) between terminals 0 V and 230 or 400 V

If $U_1 = 230$ or 400 V with a load $I_2 = I_{2n}$



Connected to mains supply (U1) between terminals - 15 V and 230 or 400 V

If $U_1 < 230$ or 400 V with a load $I_2 = I_{2n}$

Transformer sizing

P inrush = 0.8 (∑ Pm + ∑ Pr + Pa)
∑ Pm = Sum of all contactors holding powers
∑ Pr = Sum of all indicators light powers
Pa = Inrush power of the largest contactor

Cat.Nos	Power (VA)	Admissible instantaneous power (VA) at cos φ of:									No-load loss (W)	Loss at rated voltage[1] (W)	Voltage drop (%) with cos φ of:			Efficiency (%) with cos φ of:			Ucc (%)	Connection			
		0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1			0.3	0.6	1	0.3	0.6	1		Primary cable (mm²)		Secondary cable (mm²)	
																				flexible	rigid	flexible	rigid
Control and safety: Primary 230 V - Secondary 24 V																							
0 442 01/11	40	62	57	53	50	48	47	46	47	58	3.9	7.5	8.9	10.8	8.9	62.0	76.0	84.0	10.3	1 to 4	1 to 4	1 to 4	1 to 4
0 442 02/12	63	110	100	94	88	83	80	78	78	91	6.0	14.3	7.6	9.5	8.6	57.0	73.0	81.0	9.1	1 to 4	1 to 4	1 to 4	1 to 4
0 442 03/13	100	230	210	180	170	150	140	140	130	150	8.2	17.9	6.3	8.6	9.2	63.0	77.0	85.0	8.5	1 to 4	1 to 4	1 to 4	1 to 4
0 442 04/14	160	340	300	270	250	230	220	210	210	230	11.2	25.0	5.9	7.8	7.9	66.0	79.0	86.0	7.4	1 to 4	1 to 4	1 to 4	1 to 4
0 442 05/15	250	550	490	450	420	400	380	370	370	430	14.9	31.6	5.2	6.6	6.2	70.0	83.0	89.0	6.1	1 to 4	1 to 4	1 to 4	1 to 4
0 442 06/16	400	1600	1200	1000	850	740	650	590	540	510	18.3	46.3	2.2	3.8	5.6	72.0	84.0	90.0	4.2	1 to 4	1 to 4	1 to 4	1 to 4
0 442 17	630	2700	2200	1800	1500	1300	1200	1100	1000	1000	24.1	58.0	2.0	3.3	4.6	78.0	88.0	92.0	3.7	1 to 16	1 to 16	1 to 16	1 to 16
0 442 18	1000	3400	2800	2300	2000	1800	1600	1500	1400	1300	44.2	73.9	1.3	2.1	2.8	80.0	89.0	93.0	2.3	1 to 16	1 to 16	1 to 16	1 to 16
Control and safety: Primary 460 V - Secondary 24 V																							
0 442 41	40	69	63	58	55	52	50	49	49	58	3.9	7.5	8.1	10.0	8.8	61.6	76.3	84.3	9.7	1 to 4	1 to 4	1 to 4	1 to 4
0 442 42	63	120	110	98	90	85	81	78	78	89	6.0	11.7	7.0	9.0	8.6	61.8	76.4	84.4	8.8	1 to 4	1 to 4	1 to 4	1 to 4
0 442 43	100	210	180	170	150	140	140	130	130	150	8.2	17.8	7.1	9.2	9.2	62.7	77.1	84.9	8.9	1 to 4	1 to 4	1 to 4	1 to 4
0 442 44	160	390	340	300	270	250	230	220	220	230	11.2	24.8	5.3	7.2	7.8	65.9	79.4	86.6	7.0	1 to 4	1 to 4	1 to 4	1 to 4
0 442 45	250	540	490	450	420	400	380	370	370	440	14.9	31.2	5.2	6.6	6.0	70.6	82.8	88.9	6.0	1 to 4	1 to 4	1 to 4	1 to 4
0 442 46	400	1900	1400	1200	980	800	800	700	600	600	18.3	45.4	2.1	3.6	5.4	72.6	84.1	89.8	4.1	1 to 4	1 to 4	1 to 4	1 to 4
0 442 47	630	2200	1700	1400	1000	1000	900	800	800	700	25.5	58.0	2.3	4.0	4.7	70.0	82.4	88.6	3.8	1 to 4	1 to 4	1 to 10	1 to 10
0 442 48	1000	3400	2800	2300	2000	1800	1600	1500	1400	1300	44.2	73.6	1.3	2.1	2.8	80.3	89.1	93.1	2.3	1 to 16	1 to 16	1 to 16	1 to 16
0 442 49	1600	14300	12000	10300	9100	8200	7500	7000	6600	6800	65.5	93.7	1.0	1.5	1.9	83.7	91.1	94.5	1.6	2.5 to 10	1.5 to 16	4 to 16	1.5 to 25
0 442 50	2500	4300	3900	3600	3300	3100	3000	2900	2900	3400	86.5	141.0	1.8	2.2	2.0	84.2	91.4	94.7	1.9	4 to 16	1.5 to 25	4 to 35	2.5 to 50
Control and safety: Primary 230-400 V - Secondary 24-48 V																							
0 442 31	40	63	58	55	52	50	48	48	49	60	3.9	7.3	8.7	10.5	8.5	62.0	77.0	84.0	10.0	1 to 4	1 to 4	1 to 4	1 to 4
0 442 32	63	110	102	94	87	83	79	77	78	91	6.0	14.2	7.5	9.4	8.5	57.0	73.0	82.0	9.0	1 to 4	1 to 4	1 to 4	1 to 4
0 442 33	100	200	180	160	150	140	130	130	130	150	8.2	15.1	7.3	9.3	8.9	66.0	80.0	87.0	8.9	1 to 4	1 to 4	1 to 4	1 to 4
0 442 34	160	340	300	270	250	230	220	210	210	230	11.2	24.6	5.8	7.6	7.7	66.0	80.0	87.0	7.2	1 to 4	1 to 4	1 to 4	1 to 4
0 442 35	250	550	490	450	420	400	380	370	370	430	14.9	31.4	5.2	6.6	6.2	70.0	83.0	89.0	6.1	1 to 4	1 to 4	1 to 4	1 to 4
0 442 36	400	1400	1000	800	700	600	500	500	400	400	18.3	46.3	2.1	3.7	5.6	72.0	84.0	90.0	4.2	1 to 4	1 to 4	1 to 4	1 to 4
0 442 37	630	2700	2200	1900	1700	1500	1300	1200	1200	1200	24.1	58.0	2.0	3.0	3.9	79.0	88.0	93.0	3.3	1 to 16	1 to 16	1 to 16	1 to 16
0 442 38	1000	3400	2800	2300	2000	1800	1600	1500	1400	1300	44.2	74.4	1.3	1.9	2.9	80.0	89.0	93.0	2.4	1 to 16	1 to 16	1 to 16	1 to 16
0 442 39	1600	12800	10900	9500	8500	7700	7100	6700	6400	6600	65.5	94.7	1.1	1.6	1.9	84.0	91.0	94.0	1.7	2.5 to 10	1.5 to 16	4 to 16	1.5 to 25
0 442 40	2500	4300	3900	3600	3300	3100	3000	2900	2900	3400	86.5	143.4	1.8	2.2	2.0	84.0	91.0	95.0	1.9	4 to 16	1.5 to 25	4 to 35	2.5 to 50
Control and circuit isolation: Primary 230-400 V - Secondary 115-230 V																							
0 442 51/61	40	62	57	53	50	48	47	46	47	57	3.9	7.4	8.7	10.5	8.8	62.0	76.0	84.0	10.1	1 to 4	1 to 4	1 to 4	1 to 4
0 442 52/62	63	110	100	93	86	82	78	76	76	90	6.0	11.8	7.6	9.6	8.9	62.0	76.0	84.0	9.2	1 to 4	1 to 4	1 to 4	1 to 4
0 442 53/63	100	200	180	160	150	140	140	130	130	150	8.2	17.3	7.2	9.2	8.6	63.0	78.0	85.0	8.7	1 to 4	1 to 4	1 to 4	1 to 4
0 442 54/64	160	330	300	270	250	240	230	220	220	250	11.2	23.4	5.8	7.4	7.1	67.0	80.0	87.0	6.9	1 to 4	1 to 4	1 to 4	1 to 4
0 442 55/65	250	560	510	460	430	410	390	380	370	430	14.9	31.7	5.2	6.6	6.2	70.0	83.0	89.0	6.1	1 to 4	1 to 4	1 to 4	1 to 4
0 442 56/66	400	200	1600	1300	1100	900	840	760	700	660	18.3	43.9	2.1	3.6	5.2	73.0	85.0	90.0	4.1	1 to 4	1 to 4	1 to 4	1 to 4
0 442 67	630	2700	2200	1800	1600	1400	1200	1100	1000	1000	24.1	53.2	2.1	3.3	4.5	78.0	88.0	92.0	3.6	1 to 16	1 to 16	1 to 16	1 to 16
0 442 68	1000	3400	2800	2300	2000	1800	1600	1500	1400	1300	44.2	73.6	1.3	2.0	2.7	80.0	89.0	93.0	2.2	1 to 16	1 to 16	1 to 16	1 to 16
0 442 69	1600	8700	7500	6600	6100	5400	5000	4700	4500	4700	65.5	95.3	1.1	1.5	1.8	83.0	91.0	94.0	1.5	2.5 to 10	1.5 to 16	2.5 to 10	1.5 to 16
0 442 70	2500	9200	8300	7600	7100	6700	6300	6200	6100	7100	86.5	150.1	1.8	2.3	2.2	83.0	91.0	94.0	2.0	4 to 16	1.5 to 25	4 to 16	1.5 to 25
0 442 71	4000	16500	14300	12700	11400	10500	9800	9200	8900	9500	87.4	234.8	2.1	2.9	3.3	84.0	91.0	94.0	2.7	4 to 16	1.5 to 25	4 to 16	1.5 to 25
0 442 72	5000	28500	23400	19900	17500	15600	14200	13100	12300	12300	87.4	279.0	1.5	2.3	2.9	84.0	91.0	95.0	2.3	4 to 16	1.5 to 25	4 to 16	1.5 to 25
0 442 73	6300	19900	18300	17000	16000	15300	14800	14600	14800	17900	117.9	530.0	2.2	2.6	2.3	87.0	93.0	96.0	2.3	4 to 16	1.5 to 25	4 to 16	1.5 to 25
0 442 74	8000	44600	39200	35200	32100	29800	28000	26700	26100	28500	195.0	336.5	1.3	1.7	1.8	88.0	93.0	96.0	1.6	4 to 16	1.5 to 25	4 to 16	1.5 to 25
Control and circuit isolation: Primary 460 V - Secondary 115-230 V																							
0 442 81	40	67	61	57	53	51	49	48	49	58	3.9	7.4	8.2	10.0	8.7	61.8	76.4	84.4	9.7	1 to 4	1 to 4	1 to 4	1 to 4
0 442 82	63	120	110	99	92	86	82	79	78	90	6.0	11.8	7.0	9.1	8.8	61.7	76.3	84.3	8.9	1 to 4	1 to 4	1 to 4	1 to 4
0 442 83	100	190	180	160	150	140	140	130	130	150	8.2	17.2	7.3	9.3	8.6	63.6	77.7	85.3	8.7	1 to 4	1 to 4	1 to 4	1 to 4
0 442 84	160	330	300	270	250	240	230	220	220	260	11.2	23.2	5.9	7.4	6.9	67.4	80.5	87.3	6.9	1 to 4	1 to 4	1 to 4	1 to 4
0 442 85	250	590	530	480	450	420	400	390	390	440	15.0	31.2	5.0	6.4	6.1	70.6	82.8	88.9	5.9	1 to 4	1 to 4	1 to 4	1 to 4
0 442 86	400	2500	1900	1600	1300	1100	1020	920	840	810	18.3	42.4	2.0	3.3	4.8	73.9	85.0	90.4	3.8	1 to 4	1 to 4	1 to 4	1 to 4
0 442 87	630	2300	1800	1500	1300	1100	1000	900	800	800	25.5	75.7	2.1	3.5	4.6	71.4	83.3	89.3	3.4	1 to 4	1 to 4	1 to 4	1 to 4
0 442 88	1000	3400	2800	2300	2000	1800	1600	1500	1400	1300	44.2	72.4	1.2	1.9	2.7	80.6	89.2	93.3	2.2	1 to 16	1 to 16	1 to 16	1 to 16
0 442 89	1600	10300	8700	7600	6700	6100	5600	5200	5000	5100	65.5	92.4	1.0	1.4	1.7	83.9	91.2	94.5	1.4	2.5 to 10	1.5 to 16	2.5 to 10	1.5 to 16
0 442 90	2500	10700	9000	7800	6900	6200	5700	5300	5100	5200	86.5	140.8	1.2	1.7	2.1	84.2	91.4	94.7	1.7	4 to 16	1.5 to 25	4 to 16	1.5 to 25
0 442 91	4000	20300	16900	14500	12800	11500	10500	9800	9200	9400	86.3	224.8	1.8	2.7	3.3	84.2	91.4	94.7	2.6	4 to 16	1.5 to 25	4 to 16	1.5 to 25

Equipment transformers

single-phase

Characteristics

Insulation voltage:
- between windings: 4 470 V
- between primary and earth: 2 240 V
- between secondary and earth: 250 V for 12, 24 and 48 V and 1780 V for 115 and 230 V

Fig. 1

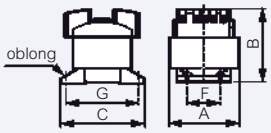


Fig. 2

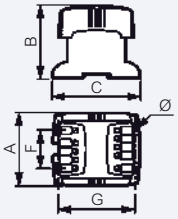


Fig. 3

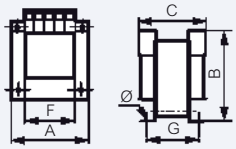
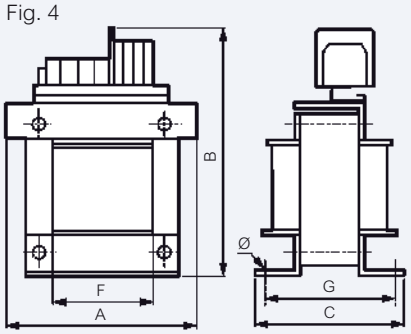


Fig. 4



Cat.Nos	Power (VA)	AIO (VA) cos φ 0.5	Fig.	Dimensions (mm)			Fixing (mm)			Weight (kg)	No load loss (W)	Total losses at 100% load (W)	Voltage drop (%)		Efficiency (%)		Ucc (%)	Connection PRI			Connection SEC		
				A	B	C	F	G	Ø				cos φ 1	cos φ 0.45	cos φ 1	cos φ 0.45		cable (mm²) flexible	cable (mm²) rigid	lug Ø (mm)	cable (mm²) flexible	cable (mm²) rigid	lug Ø (mm)
Single-phase safety transformers: Primary 230-400 V - Sec 12-24 V																							
0 428 40	40	55	1	84	70	98	40	86	4.5	0.9	3.7	13.1	18.3	12.7	0.75	0.58	15.6	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 41	63	91	1	84	77	98	40	86	4.5	1.3	4.9	16.3	13.5	10.2	0.79	0.64	11.8	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 42	100	140	1	84	86	98	40	86	4.5	1.6	6.2	21	10.5	8.7	0.83	0.68	9.5	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 43	160	205	1	84	104	98	40	86	4.5	2.4	9.1	31.8	8.8	7.4	0.83	0.69	7.9	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 44	220	290	1	96	115	110	40	98	4.5	3.4	12.6	40	6.9	6.3	0.85	0.71	6.5	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 45	310	345	2	106	123	115	50	100	5.2	3.82	14.2	54.9	7.3	6.2	0.85	0.72	8.2	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 46	450	1100	3	126	126	126	90	94	6.5	6	21.8	63.9	6	3.2	0.88	0.76	4.9	1 to 4	1 to 4	4.5	1 to 16	1 to 25	6.5
0 428 47	630	1520	3	126	126	141	90	105	6.5	8	25.5	62.4	4.3	2.6	0.91	0.82	3.5	1 to 4	1 to 4	4.5	1 to 16	1 to 25	6.5
0 428 49	1000	4130	4	220	222	170	122	140	7	14.7	43.3	76.2	2.9	1.8	0.93	0.86	2.4	0.25 to 6	0.5 to 10	-	4 to 35	2.5 to 50	-
Single-phase safety transformers: Primary 230-400 V - Sec 24 V																							
0 428 55	40	55	1	84	70	98	40	86	4.5	0.9	3.7	13.1	18.3	12.7	0.75	0.58	15.6	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 56	63	91	1	84	77	98	40	86	4.5	1.3	4.9	16.3	13.5	10.2	0.79	0.64	11.8	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 57	100	140	1	84	86	98	40	86	4.5	1.6	6.2	21	10.5	8.7	0.83	0.68	9.5	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 58	160	205	1	84	104	98	40	86	4.5	2.4	9.1	31.8	8.8	7.4	0.83	0.69	7.9	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 59	220	290	1	96	115	110	40	98	4.5	3.4	12.6	40	6.9	6.3	0.85	0.71	6.5	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 60	310	345	2	106	123	115	50	100	5.2	3.82	14.2	54.9	7.3	6.2	0.85	0.72	8.2	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 61	450	1100	3	126	126	126	90	94	6.5	6	21.8	63.9	6	3.2	0.88	0.76	4.9	1 to 4	1 to 4	4.5	1 to 16	1 to 25	6.5
0 428 62	630	1520	3	126	126	141	90	105	6.5	8	25.5	62.4	4.3	2.6	0.91	0.82	3.5	1 to 4	1 to 4	4.5	1 to 16	1 to 25	6.5
Single-phase safety transformers: Primary 230-400 V - Sec 24-48 V																							
0 428 70	40	55	1	84	77	98	40	86	4.5	1.3	3.9	7.7	6.3	6.5	0.83	0.71	6.1	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 71	63	80	1	84	86	98	40	86	4.5	1.6	5.2	11.7	7.7	6.9	0.83	0.72	6.9	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 72	100	150	1	84	104	98	40	86	4.5	2.4	7.9	14.2	4.1	4.5	0.87	0.76	4.6	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 73	160	160	1	84	104	98	40	86	4.5	2.4	7.9	21.2	7.3	7.6	0.87	0.77	7.4	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 74	220	290	1	96	115	110	40	98	4.5	3.4	12.6	39.5	6.7	6.2	0.85	0.71	6.3	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 428 75	310	345	2	106	123	115	50	100	5.2	3.82	14.2	54.9	7.3	6.2	0.85	0.72	8.2	1 to 4	1 to 4	4.5	1 to 4	1 to 4	6.5
0 428 76	450	708	2	120	140	140	62.5	125	5.2	5.62	18.4	66	6.2	5.4	0.87	0.75	4.6	1 to 4	1 to 4	4.5	1 to 4	1 to 4	6.5
0 428 77	630	1 520	3	126	126	141	90	105	6.5	8	25.5	64.3	4.2	2.6	0.91	0.82	3.5	1 to 4	1 to 4	4.5	1 to 16	1 to 25	6.5
Single-phase circuits isolation transformers: Primary 230-240 V - Sec 115-230 V																							
0 427 85	40	55	1	84	70	98	40	86	4.5	1	3.7	10.9	15.6	12.6	0.79	0.62	14.2	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 427 86	63	91	1	84	77	98	40	86	4.5	1.3	4.9	15.6	12.5	9.7	0.8	0.65	11	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 427 87	100	140	1	84	86	98	40	86	4.5	1.6	6.2	21.1	10.7	8.9	0.83	0.68	9.7	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 427 88	160	205	1	84	104	98	40	86	4.5	2.4	9.1	32.3	8.8	7.3	0.83	0.69	7.9	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 427 89	220	290	1	96	115	110	40	98	4.5	3.4	12.6	40.1	6.8	6.2	0.85	0.71	6.4	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 427 90	310	345	2	106	123	115	50	100	5.2	3.82	14.2	54	7.3	6.2	0.85	0.72	6.7	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 427 91	450	708	2	120	140	140	62.5	125	5.2	5.62	18.4	64	5.9	5.1	0.88	0.76	4.3	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
0 427 92	630	1520	3	126	126	123	90	105	6.5	7.8	25.5	64.6	4.3	2.6	0.91	0.81	4.2	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5

Transformers and auto-transformers IP55

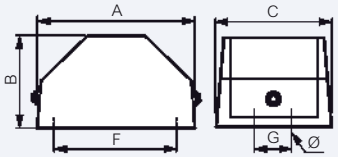
single-phase

Safety transformers

Insulation voltages:
- Between windings: 4500 V for 230-400 V, 3550 V for 230 V
- Between primary and earth: 2250 V for 230-400 V, 1800 V for 230 V
- Between secondary and earth: 250 V
- Class II

Insulation class B, ambient temperature: 25°C
IP 55 - IK 07
Secondary voltage by series-parallel connection: supplied with links

Cat. Nos 0 427 20 to 27 and 0 427 60 to 65



230-400 V/24-48 V

Cat. Nos	No-load loss (W)	Voltage drop (%)		Efficiency		Usc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
		cos φ 1	cos φ 0.45	cos φ 1	cos φ 0.45		A	B	C	F	G	Ø	
0 427 20	8.7	8.5	4.2	0.82	0.68	6.7	182	92	112	143	-	6	3.6
0 427 21	7.8	7.6	3.7	0.88	0.76	6.1	192	92	112	158	-	6	4.2
0 427 22	14.5	7.6	3.6	0.86	0.74	6.1	207	100	122	167	-	6	6.3
0 427 23	13.3	7.9	3.9	0.89	0.78	6.4	215	100	122	175	-	6	6.7
0 427 24	17.3	6.4	3.7	0.90	0.80	5.3	245	130	156	203	50	6	11.5
0 427 25	30.5	4.6	2.5	0.92	0.84	3.7	290	150	190	247	50	6	19.2
0 427 26	32.7	3.7	3	0.94	0.87	3.4	290	150	190	247	50	6	19.7

230 V/12 V

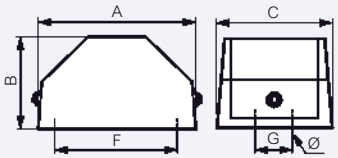
Cat. Nos	No-load loss (W)	Voltage drop (%)		Efficiency		Usc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
		cos φ 1	cos φ 0.45	cos φ 1	cos φ 0.45		A	B	C	F	G	Ø	
0 427 60	8.7	8.5	4.2	0.82	0.68	6.7	182	92	112	143	-	6	3.5
0 427 61	7.6	10.6	5.0	0.78	0.61	8.4	182	92	112	143	-	6	3.5
0 427 62	8.4	9.2	4.5	0.84	0.71	7.4	192	92	112	158	-	6	4.1
0 427 63	15.5	7.9	3.6	0.89	0.78	5.7	215	100	122	175	-	6	6.6
0 427 64	27.3	7.8	3.7	0.79	0.62	6.2	265	130	156	223	50	6	11.9
0 427 65	31.3	4.6	2.5	0.92	0.84	3.7	290	150	190	247	50	6	19

Circuit isolation transformers

Insulation voltages:
- Between windings: 4500 V
- Between primary and earth: 2250 V
- Between secondary and earth: 1800 V for 230 V
  2240 V for 400 V
- Class II

Insulation class B, ambient temperature: 25°C
IP 55 - IK 07
Secondary voltage by series-parallel connection: supplied with links

Cat. Nos 0 425 10 to 16



230-400 V/115-230 V

Cat. Nos	No-load loss (W)	Voltage drop (%)		Efficiency		Usc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
		cos φ 1	cos φ 0.45	cos φ 1	cos φ 0.45		A	B	C	F	G	Ø	
0 425 10	9.6	13.4	6.2	0.77	0.6	11	182	92	112	143	-	6	3.5
0 425 11	10.4	11.9	5.4	0.88	0.77	12	192	92	112	158	-	6	4.3
0 425 12	16.2	7.1	3.7	0.83	0.69	6	207	100	122	167	-	6	6.3
0 425 13	15.7	8.5	4	0.88	0.77	8	215	100	122	175	-	6	6.7
0 425 14	27.3	6.3	3.5	0.87	0.75	5	245	130	156	203	50	6	11.5
0 425 15	30.9	4.7	3.2	0.9	0.8	4	270	150	190	227	50	6	18.6
0 425 16	30.9	2.2	1.8	0.93	0.86	2	270	150	190	227	50	6	18.7

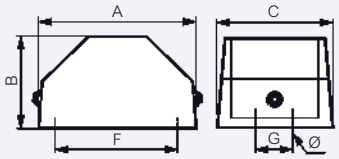
Auto-transformers

50-60 Hz. Class II
Insulation voltages:
- Between winding and earth: 3000 V

Insulation:
- Class B up to 2000 VA, ambient temperature: 35°C

IP 55 - IK 07 up to 2000 VA

Cat. Nos 0 422 82 to 88



Single-phase protected

Cat. Nos	No-load loss (W)	Voltage drop (%) cos φ 0.8	Efficiency cos φ 0.8	Usc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
					A	B	C	F	G	Ø	
0 422 82	5	7.5	0.78	8.2	182	92	112	143	-	6	3.5
0 422 84	11.8	5	0.71	6.1	207	100	122	167	-	6	6.3
0 422 85	12.2	3.9	0.77	4.5	207	100	122	167	-	6	6.3
0 422 86	19.2	3.2	0.82	3.6	245	130	156	203	50	6	11.5
0 422 87	30.6	1.8	0.86	2.1	270	150	190	227	50	6	18.7
0 422 88	33.7	1.9	0.8	2.3	270	150	190	227	50	6	18.7

Transformers sizing

Which transformer for which circuit ?

Each circuit needs a specific transformer output: transformer sizing But, to size an equipment transformer it is not enough to add up the powers of the operating circuits, the permissible instantaneous power must be considered (inrush power)

How to calculate a transformer's power and size?

For equipment including automatic devices, transformer's power depends on:
- The max. power needed at a given moment (inrush power)
- Constant power absorbed by the circuit
- Voltage drop
- Power factor

1) Determining the inrush power

To determine the inrush power, we make the following assumptions:
- Two inrushes cannot occur at the same time
- Power factor cos φ 0.5 at closing
- Max. 80 % of devices power supplied at the same time

Empirically and to simplify, this power can be calculated using the following formula:

P inrush = 0.8 (Σ Pm + Σ Pv + Pa)

Σ Pm: sum of all contactors holding powers
Σ Pv: sum of all indicators light powers
Pa: inrush power of the largest contactor

Example :

A machine tool control cabinet contains :
- 10 contactors for 4-kW motors, holding power 8 VA
- 4 contactors for 18.5-kW motor, holding power 20 VA
- 1 contactor for 45-kW motor, holding power 20 VA, inrush power 250 VA cos φ 0.5
- 25 remote control relays, holding power 4 VA
- 45 signalling lights, consumption 1 VA

Σ Pm = 10 x 8 VA = 80 VA
4 x 20 VA = 80 VA
1 x 20 VA = 20 VA
25 x 4 VA = 100 VA
280 VA

Σ Pv = 45 x 1 VA = 45 VA
Pa = 250 VA

P inrush = 0.8 (280 + 45 + 250) = 460 VA at cos φ 0.5

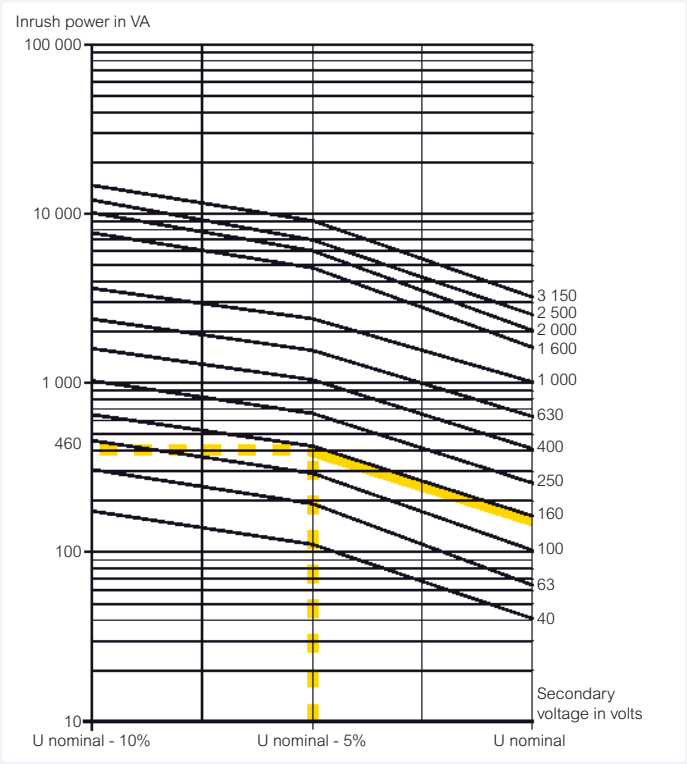
2) Determining the transformer's size

Especially for control transformers, just read the size below from the inrush power at cos φ 0.5:

Nominal power VA IEC and CSA	Permissible instantaneous power VA IEC/EN 61558-2-2 with cos φ of :								
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
40	90	80	72	66	61	57	53	51	53
63	160	140	130	120	110	100	90	90	90
100	210	190	170	160	150	140	130	130	140
160	480	400	350	300	270	240	220	200	190
250	830	690	590	510	450	400	360	330	310
400	1600	1400	1200	1000	900	800	800	700	700
630	2000	1800	1500	1400	1200	1100	1100	1000	1000
1000	5400	4600	4000	3600	3200	3000	2700	2600	2500
1600	9000	8000	7200	6600	6100	5700	5400	5300	5600
2500	7300	6600	6000	5700	5200	4900	4700	4600	5100
4000	34500	28800	24400	17000	16600	16400	14800	13400	12400
5000	29000	23000	20000	17000	16000	14000	13000	12000	12000
6300	20000	18000	17000	16000	15000	15000	15000	15000	18000
8000	45000	39000	35000	32000	30000	28000	27000	26000	29000

Inrush power of 460 VA at cos φ 0.5 entails minimum size of 250 VA

Voltage drop sizing curves at cos φ 0.5



For power of 460 VA cos φ 0.5, the curve at U nominal - 5 %* indicates a value of 160 VA
* Value deliberately selected as a precaution

3) Checking the choice

Make a check according to each piece of equipment :
- calculate the total sum of the holding powers of the windings and of the live indicator lights
- then apply a factor: either that of 80 % of devices held live at the same time, or that from the actual calculations for your equipment

The sizing power must be equal to or more than the result of this calculation

Rule for determining the secondary protection rating :

To check that the device chosen is suitable, an approximate minimum short-circuit value at the furthest point of the installation can be obtained using the following formula:

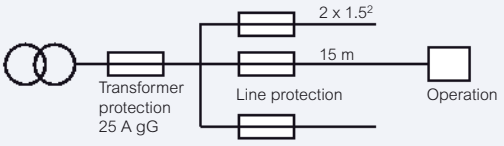
$$I\ c/c\ mini = \frac{Us}{\left(\frac{U^2s}{P} \times \frac{U\ c/c\ \%}{100}\right) + \frac{2\rho l}{S}}$$

Us = transformer secondary voltage
P = transformer power
U c/c % = transformer short-circuit voltage
l = line length in m
S = line cross-section in mm²
ρ copper = 0.027 Ω mm²/m

Choose the protection rating so as to obtain a cut-off time of 5" max. for the current I c/c defined above :

gG fuse : $In \leq \frac{I\ c/c\ min.}{4}$ type C MCB: $In \leq \frac{I\ c/c\ min.}{8}$

Example : control transformer 630 VA - 230/24 V Cat.No 0 442 17



$$I\ c/c\ min. = \frac{24}{\left(\frac{24^2}{630} \times \frac{3.7}{100}\right) + \frac{2 \times 0.027 \times 15}{1.5}} = 41.82\ A$$

$\frac{41.82}{4} = 10.45$ --> gG 10 A max. $\frac{41.82}{8} = 5.22$--> DX 5 A max. C.curve

Protection of lines

General

Lines must be protected against overloads and short-circuits. Protection against overloads is only compulsory if the line is likely to be affected by an overload current. This protection can be installed at the head or end of the line. Protection against short-circuits is compulsory in all installations ; this protection has to be installed at the head of the line

Supply line (transformer primary)

The transformer is a devicethat cannot generate overloads. Its supply line requires protection against short-circuits only. When a transformer is energised. a very high inrush current is produced (in the region of 25 In) for approximately 10 ms. The line protection must take these 2 factors into consideration. Legrand offers 3 possibilities: aM fuse cartridges, type D MCBs (average value of the magnetic 12 In, with a standard adjustment range between 10 and 14 In), type C MCBs (average value of the magnetic 7 In, with a standard adjustment range between 5 and 10 In)

Minimal protection rating for primary supply line on transformer(1)

Power	230 V single - phase				400 V single - phase			230 V three - phase			400 V three - phase		
	aM Cartridge	MCBs C curve or MCCBs	MCBs D curve or MCCBs	type B MCB with inrush current limiter	aM Cartridge	MCBs C curve or MCCBs	MCBs D curve or MCCBs	aM Cartridge	MCBs C curve or MCCBs	MCBs D curve or MCCBs	aM Cartridge	MCBs C curve or MCCBs	MCBs D curve or MCCBs
40 VA	0.5 A 0 130 95	1 A 4 077 76		1 A 4 089 52	0.25 A 0 130 92	1 A 4 077 76							
63 VA	1 A 0 130 01	2 A 4 077 77		1 A 4 089 52	0.5 A 0 130 95	1 A 4 077 76	0.5 A 4 080 07						
100 VA	1 A 0 130 01	3 A 4 077 78	1 A 4 080 08	1 A 4 089 52	1 A 0 130 01	2 A 4 077 77	1 A 4 080 08						
160 VA	2 A 0 130 02	4 A 4 077 79	2 A 4 080 09	1 A 4 089 52	1 A 0 130 01	2 A 4 077 77	1 A 4 080 08						
220 VA	2 A 0 130 02	6 A 4 077 80	3 A 4 080 10	2 A 4 089 53	1 A 0 130 01	3 A 4 077 78	2 A 4 080 09						
250 VA	2 A 0 130 02	6 A 4 077 80	3 A 4 080 10	2 A 4 089 53	2 A 0 130 02	3 A 4 077 78	2 A 4 080 09						
310 VA	4 A 0 130 04	8 A 4 077 81	3 A 4 080 10	2 A 4 089 53	2 A 0 130 02	4 A 4 077 79	2 A 4 080 09						
400 VA	4 A 0 130 04	10 A 4 077 82	4 A 4 080 11	3 A 4 089 54	2 A 0 130 02	6 A 4 077 80	3 A 4 080 10	2 A 0 130 02	6 A 4 078 25	3 A 4 080 55	2 A 0 130 02	3 A 4 078 23	2 A 4 080 54
450 VA	4 A 0 130 04	10 A 4 077 82	6 A 4 080 12	3 A 4 089 54	2 A 0 130 02	6 A 4 077 80	3 A 4 080 10						
630 VA	6 A 0 130 06	16 A 4 077 84	6 A 4 080 12	6 A 4 089 56	4 A 0 130 04	8 A 4 077 81	4 A 4 080 11	4 A 0 130 04	10 A 4 078 27	4 A 4 080 56	2 A 0 130 02	6 A 4 078 25	2 A 4 080 54
800 VA	6 A 0 130 06	16 A 4 077 84	10 A 4 080 14	6 A 4 089 56	4 A 0 130 04	10 A 4 077 82	6 A 4 080 12						
1000 VA	10 A 0 130 10	20 A 4 077 85	10 A 4 080 14	10 A 4 089 57	4 A 0 130 04	16 A 4 077 84	6 A 4 080 12	4 A 0 130 04	16 A 4 078 29	6 A 4 080 57	4 A 0 130 04	10 A 4 078 27	4 A 4 080 56
1250 VA	10 A 0 130 10	25 A 4 077 86	16 A 4 080 15	10 A 4 089 57	6 A 0 130 06	16 A 4 077 84	8 A 4 080 13						
1600 VA	10 A 0 130 10	32 A 4 077 87	16 A 4 080 15	10 A 4 089 57	6 A 0 130 06	20 A 4 077 85	10 A 4 080 14	6 A 0 130 06	20 A 4 078 30	10 A 4 080 58	4 A 0 130 04	16 A 4 078 29	6 A 4 080 57
2000 VA	12 A 0 130 12	40 A 4 077 88	20 A 4 080 16	16 A 4 089 59	8 A 0 130 08	25 A 4 077 86	16 A 4 080 15	10 A 0 130 10	25 A 4 078 31	16 A 4 080 59	6 A 0 130 06	16 A 4 078 29	10 A 4 080 58
2500 VA	16 A 0 130 16	50 A 4 077 89	25 A 4 080 17	20 A 4 089 60	10 A 0 130 10	32 A 4 077 87	16 A 4 080 15	10 A 0 130 10	32 A 4 078 32	16 A 4 080 59	6 A 0 130 06	20 A 4 078 30	10 A 4 080 58
4 kVA	25 A 0 130 25	80 A 4 092 28	32 A 4 080 18	25 A 4 089 61	16 A 0 130 16	40 A 4 077 88	20 A 4 080 16	16 A 0 130 16	50 A 4 078 34	25 A 4 080 61	10 A 0 130 10	32 A 4 078 32	16 A 4 080 59
5 kVA	32 A 0 140 32	80 A 4 092 28	40 A 4 080 19	40 A 4 089 63	16 A 0 130 16	50 A 4 077 89	25 A 4 080 17	20 A 0 130 20	63 A 4 078 35	32 A 4 080 62	12 A 0 130 12	40 A 4 078 33	20 A 4 080 60
6.3 kVA	32 A 0 140 32	100 A 4 092 29	50 A 4 080 20	50 A 4 089 64	20 A 0 130 20	63 A 4 077 90	32 A 4 080 18	25 A 0 130 25	80 A 4 092 80	40 A 4 080 63	16 A 0 130 16	50 A 4 078 34	25 A 4 080 61
8 kVA	40 A 0 140 40		63 A 4 080 21	63 A 4 089 65	25 A 0 130 25		40 A 4 080 19	32 A 0 140 32	100 A 4 092 81	50 A 4 080 64	20 A 0 130 20	63 A 4 078 35	32 A 4 080 62
10 kVA	63 A 0 150 63		80 A 4 094 58		32 A 0 140 32		50 A 4 080 20	32 A 0 140 32	100 A 4 092 81	50 A 4 080 64	20 A 0 130 20	63 A 4 078 35	32 A 4 080 62
12.5 kVA	63 A 0 150 63		100 A 4 094 59		40 A 0 140 40		63 A 4 080 21						
16 kVA	80 A 0 150 80		160 A 4 200 07		50 A 0 140 50		80 A 4 094 58	50 A 0 140 50		80 A 4 095 06	32 A 0 140 32		50 A 4 080 64
20 kVA	100 A 0 150 96		160 A 4 200 07		63 A 0 150 63		100 A 4 094 59	63 A 0 150 63		100 A 4 095 07	40 A 0 140 40		63 A 4 080 65
25 kVA	125 A 0 150 97		200 A 4 200 08		80 A 0 150 80		125 A 4 094 60	80 A 0 150 80		125 A 4 095 08	50 A 0 140 50		80 A 4 095 06
31.5 kVA	160 A 0 165 55		250 A 4 200 09		100 A 0 150 96		160 A 4 200 07	100 A 0 150 96		160 A 4 200 07	63 A 0 150 63		100 A 4 095 07
40 kVA	200 A 0 170 60		320 A 0 255 22		125 A 0 150 97		200 A 4 202 08	125 A 0 150 97		250 A 4 202 09	63 A 0 150 63		125 A 4 095 08
50 kVA	315 A 0 175 70		400 A 0 255 23		160 A 0 165 55		250 A 4 202 09	160 A 0 165 55		250 A 4 202 09	80 A 0 150 80		160 A 4 200 07
63 kVA	315 A 0 175 70		500 A 0 255 25		200 A 0 170 60		320 A 0 255 22	200 A 0 170 60		250 A 4 202 09	100 A 0 150 96		160 A 4 200 07
80 kVA								250 A 0 170 65		250 A 0 252 06	160 A 0 165 55		160 A 4 200 07
100 kVA								315 A 0 175 70		320 A 0 255 22	160 A 0 165 55		160 A 4 200 07
125 kVA								400 A 0 175 75		400 A 0 255 23	200 A 0 170 60		200 A 4 202 08
160 kVA								500 A 0 180 25		500 A 0 255 25	250 A 0 170 65		250 A 0 252 06
200 kVA								630 A 0 180 30		630 A 0 255 24	315 A 0 175 70		320 A 0 255 22
250 kVA								630 A 0 180 30		630 A 0 255 24	400 A 0 175 75		400 A 0 255 23

Operating line (transformer secondary)

This line must be protected against overloads (ensure that the protection rating chosen is ≤ transformer secondary current) and short-circuits (ensure that a short-circuit occurring at the furthest point of the line will trigger the protective device within 5 seconds. Legrand offers two possibilities: gG cartridge fuses, type C MCBs (magnetic set to 7 In average). If the transformer only supplies a single operating line, and provided the calculations show perfect compatibility, transformer protection (if on the secondary) and line protection can be one and the same A single protective device performs both functions (see table of transformer protective devices). If the transformer supplies several operating lines, overload and short-circuit calculations must be performed for each individual line

1: These values are given for information only for transformers with inrush currents of around 25 In.
2: Thermal adjustment

Protection of transformers

According to IEC/EN 61558 standards, transformers must be protected against overloads and short-circuits which may occur during normal operations

The standards do not specify the location or type of protective device: it is the manufacturer's responsibility to select the most suitable position, either on the primary or secondary side
Legrand has selected secondary protection. The rating, type and location of the protective device are indicated on the front of its devices

Single-phase: Control, safety isolating, isolating, equipment and installation transformers

Nominal power IEC and CSA	12 V				24 V				48 V				115 V				230 V			
	Rating	Cartridge Cat.Nos	Rating	MCBS Cat.Nos	Rating	Cartridge Cat.Nos	Rating	MCBS Cat.Nos	Rating	Cartridge Cat.Nos	Rating	MCBS Cat.Nos	Rating	Cartridge Cat.Nos	Rating	MCBS Cat.Nos	Rating	Cartridge Cat.Nos	Rating	MCBS Cat.Nos
40 VA	4	T4 AL(1)			2	T2 AL(1)			1	T1 AL(1)			0.4	T0.4 AL(1)			0.2	T0.2 AL(1)	0.2	T0.2 AL(1)
63 VA	5	T5 AL(1)			2.5	T2.5 AL(1)			1.25	T1.25 AL(1)			0.5	T0.5 AL(1)			0.25	T0.25 AL(1)	0.25	T0.25 AL(1)
100 VA	8	T8 AE(1)	8	4 076 97	4	T4 AE(1)	4	4 076 95	2	T2 AL(1)	2	4 076 93	0.8	T0.8 AL(1)	1	4 076 92	0.4	T0.4 AL(1)	0.5	4 076 91
160 VA	16	0 133 16	13	4 076 99	8	0 133 08	6	4 076 96	3.15	T3.15 AE(1)	4	4 076 95	1.6	T1.6 AL(1)	2	4 076 93	0.63	T0.63 AL(1)	1	4 076 92
220 VA	20	0 133 20	20	4 077 01	10	0 133 10	10	4 076 98	5	T5 AE(1)	6	4 076 96	2	T2 AL(1)	2	4 076 93	1	T1 AL(1)	1	4 076 92
250 VA	20	0 133 20	20	4 077 01	10	0 133 10	10	4 076 98	6	0 133 06	6	4 076 96	2	T2 AL(1)	2	4 076 93	1	T1 AL(1)	1	4 076 92
310 VA	25	0 133 25	25	4 077 02	12	0 133 12	13	4 076 99	6	0 133 06	6	4 076 96	2.5	T2.5 AE(1)	3	4 076 94	1.25	T1.25 AL(1)	2	4 076 93
400 VA	32	0 143 32	32	4 077 03	16	0 133 16	16	4 077 00	8	0 133 08	8	4 076 97	4	0 133 04	4	4 076 95	2	0 133 02	2	4 076 93
450 VA	40	0 143 40	40	4 077 04	20	0 133 20	20	4 077 01	10	0 133 10	10	4 076 98	4	0 133 04	4	4 076 95	2	0 133 02	2	4 076 93
630 VA	50	0 143 50	50	4 076 59	25	0 133 25	25	4 077 02	12	0 133 12	13	4 076 99	6	0 133 06	6	4 076 96	4	0 133 04	3	4 076 94
1000 VA	80	0 153 80	80	4 091 40	40	0 143 40	40	4 077 04	20	0 133 20	20	4 077 01	8	0 133 08	8	4 076 97	4	0 133 04	4	4 076 95
1600 VA	125	0 153 97	125	4 091 42	63	0 153 63	63	4 076 60	32	0 143 32	32	4 077 03	16	0 133 16	13	4 076 99	8	0 133 08	8	4 076 97
2500 VA			200		100	0 153 96	100	4 091 41	50	0 143 50	50	4 076 59	20	0 133 20	20	4 077 01	10	0 133 10	10	4 076 98
4 kVA									80	0 153 80	80	4 091 40	32	0 143 32	32	4 077 03	16	0 133 16	16	4 077 00
5 kVA									100	0 153 96	100	4 091 41	40	0 143 40	40	4 077 04	20	0 133 20	20	4 077 01
6.3 kVA									125	0 153 97	125	4 091 42	50	0 143 50	63	4 076 59	25	0 133 25	32	4 077 02
8 kVA													80	0 153 80	80	4 091 40	32	0 143 32	32	4 077 03
10 kVA													80	0 153 80	80	4 091 40	40	0 143 40	40	4 077 04
12.5 kVA													100	0 153 96	100	4 091 41	50	0 143 50	50	4 076 59
16 kVA													160	0 163 55	160	4 200 47	80	0 153 80	80	4 091 40
20 kVA													160	0 163 55	200	4 202 08	80	0 153 80	80	4 091 40
25 kVA													200	0 168 60	250	4 202 09	100	0 153 96	100	4 091 41
31.5 kVA													250	0 173 65	250	4 202 09	125	0 153 97	125	4 092 30
40 kVA													400	0 178 75	320	0 255 22	160	0 163 55	200	4 202 08
50 kVA													400	0 178 75	400	0 255 23	200	0 168 60	250	4 202 09
63 kVA													500	0 181 25	500	0 255 35	250	0 173 65	250	4 202 09

1: Fuses IEC 127 (cartridge 5 x 20 T type)

Three - phase: Control. safety isolating. isolating. equipment and installation transformers

Nominal power	24 V				42 V				230 V				400 V			
	Rating	Cartridge Cat.Nos	Rating	MCBS Cat.Nos	Rating	Cartridge Cat.Nos	Rating	MCBS Cat.Nos	Rating	Cartridge Cat.Nos	Rating	MCBS Cat.Nos	Rating	Cartridge Cat.Nos	Rating	MCBS Cat.Nos
400 VA	10	0 133 10	10	4 078 96	6	0 133 06	6	4 078 94	1	0 133 01	1	4 078 90	1	0 133 01	1	4 078 90
630 VA	16	0 133 16	16	4 078 98	10	0 133 10	10	4 078 96	2	0 133 02	2	4 078 91	1	0 133 01	1	4 078 90
1000 VA	25	0 133 25	25	4 079 00	16	0 133 16	16	4 078 98	4	0 133 04	3	4 078 92	2	0 133 02	2	4 078 91
1600 VA	40	0 143 40	40	4 079 02	25	0 133 25	20	4 078 99	4	0 133 04	6	4 078 94	4	0 133 04	3	4 078 92
2500 VA	63	0 153 63	63	4 079 04	40	0 143 40	32	4 079 01	6	0 133 06	6	4 078 94	4	0 133 04	6	4 078 94
4 kVA	100	0 153 96	100	4 093 63	63	0 153 63	50	4 079 03	10	0 133 10	10	4 078 96	6	0 133 06	6	4 078 94
6.3 kVA	160	0 163 55			100	0 153 96	80	4 093 62	16	0 133 16	16	4 078 98	10	0 133 10	10	4 078 96
10 kVA	250	0 173 65			160	0 163 55	125	4 093 64	25	0 133 25	25	4 079 00	16	0 133 16	16	4 078 98
16 kVA									40	0 143 40	40	4 079 02	25	0 133 25	25	4 079 00
25 kVA									63	0 153 63	63	4 079 04	40	0 143 40	40	4 079 02
40 kVA									100	0 153 96	100	4 093 63	63	0 153 63	63	4 079 04
50 kVA									125	0 153 97	125	4 093 64	80	0 153 80	80	4 093 62
63 kVA									160	0 163 55	160	4 200 17	100	0 153 96	100	4 093 63
80 kVA									200	0 168 60	200	4 200 18	125	0 153 97	125	4 093 64
100 kVA									250	0 173 65	250	4 200 19	160	0 163 55	160	4 200 17
125 kVA									315	0 178 70	400	0 255 38	200	0 168 60	200	4 200 18
160 kVA									400	0 178 75	400	0 255 38	250	0 173 65	250	4 200 19
200 kVA									500	0 181 25	630	0 255 40	315	0 178 70	320	0 255 37
250 kVA									630	0 181 30	630	0 255 40	400	0 178 75	400	0 255 38

Main transformer functions:

- **Changing voltage:**



Isolation transformer
(basic insulation between primary and secondary)



Auto-transformer
(no insulation between primary and secondary)

- **Control circuit power supply**



Control transformer
(basic insulation between primary and secondary)

- **Protection against electric shock**

- Protection against direct and indirect contact by:



Safety isolating transformers
(reinforced insulation between primary and secondary,
no-load voltage < 50 V)

- Protection against indirect contact by:



Isolating transformers
(reinforced insulation between primary and secondary)



Isolating transformers
For the supply of medical location (group II)

The transformer function(s) can either be defined by the equipment designer or can be imposed by installation guidelines or the equipment standard

Definitions:
- Electric shocks: physiological effect resulting from an electrical current through a human or animal body (IEV 195-01-04)
- Direct contact: electric contact of persons or animals with live parts (195-06-03)
- Indirect contact: electric contact of persons or animals with exposed-conductive-parts which have become live under fault conditions (195-06-04)

Filtered rectified power supplies



0 470 23



0 470 24

Power supplies for PLCS and peripheral equipment, and all other uses which need 24 V DC
Supplied with an insulated coupling bar for fast connection between the – and T terminals up to 15 A
Clip-on only up to 24 W, clip-on or screw fixing up to 120 W
Above 120 W: screw fixing
Conform to standards IEC and EN 61558-2-6, UL 60950 and CAN/CSA-C22.2 No 60 950.00
UL USA and Canada agreements up to 240 W
Products suitable for building equipment conforming to standards EN 61131-2, EN 60204 and EN 60439-1

Single-phase power supplies

Consisting of:
- a safety transformer with interference filtering
- double operating terminals
- filter capacitors
- fused protection in the secondary
- a green operating voltage present indicator

24 V⎓

230-400 V ± 15 V∿ (primary) / 24 V⎓ (secondary)

Pack	Cat.Nos	Output (W)	Current (A)	Terminal capacity Flexible cables Input	Terminal capacity Flexible cables Output
1	0 470 21	24	1	6	6
1	0 470 22	60	2.5	6	6
1	0 470 23	120	5	6	6
1	0 470 24	240	10	6	6
1	0 470 25	360	15	6	6
1	0 470 26	600	25	6	10
1	0 470 28	960	40	6	16
1	0 470 29	1200	50	16	16

Dimensions

Fig. 1

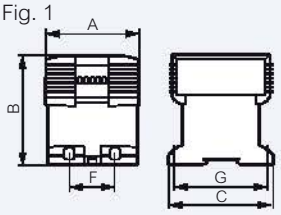
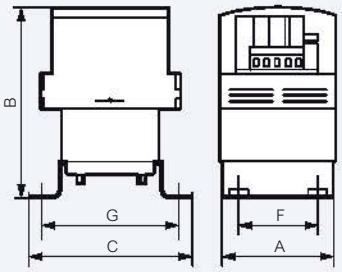


Fig. 2



Cat.Nos	Out voltage (V)	Out current (A)	Fig.	Dimensions (mm) A	B	C	Fixing (mm) F	G	Ø	Weight (kg)
0 470 21	24	1	1	68	98	88	-	-	-	1
0 470 22	24	2.5	1	93	121	105	45	94	4.6	2.45
0 470 23	24	5	1	105	135	115	45	104	4.6	3.6
0 470 24	24	10	2	126	186	175	75	150	5.5	6.35
0 470 25	24	15	2	126	206	175	75	150	5.5	7.6
0 470 26	24	25	3	180	238	290	150	105	9	18.1
0 470 28	24	40	4	310	265	478	445	200	7	50
0 470 29	24	50	4	335	315	575	542	200	7	60

Cat.Nos	Primary on-load (A) current at 230 V	Primary on-load (A) current at 400 V	Operating voltages Ope n circuit (V)	On-load (V)	On-load 100 mA and primary voltage + 10 %	Nominal on-load and primary voltage - 15 %	No-load losses (W)	Total losses at 100 % load (W)	Voltage drop %
0 470 21	0.18	0.10	29.0	22.8	31.2	20.2	4.4	10.3	27.03
0 470 22	0.47	0.27	27.8	23.3	30.4	20.4	8.3	16.3	19.46
0 470 23	0.88	0.51	27.5	23.2	30.2	20.3	11.4	25.4	18.68
0 470 24	1.88	1.09	27.7	23.5	30.5	20.5	20	45.3	18.20
0 470 25	2.53	1.46	27.5	23.2	30.2	20.2	23	54.7	18.70
0 470 26	4.70	2.70	28.3	24	31.1	20.9	41.3	76.8	17.92
0 470 28	6.20	3.60	28.4	23.2	31.2	20.4	230	340	22.41
0 470 29	7.20	4.10	25.4	23.5	27.9	20.2	194	340	8.09

P17 TEMPRA PRO
suitable for all environments



IP44

Sockets for internal and external use, protected against projections of water (but not exposed to direct jets).

IP66/67

Weatherproof sockets that can withstand temporary immersion (unplug in torrential rain, floods, etc.).

- From 16 to 32 A
- 2 P+E / 3 P+E / 3 P+N+E
- From 100 to 500 V~
- 50/60 Hz
- IK 09 - Polyamide 6
- Conform to IEC 60 309-1 and 2
- Screw connection

100 to 130 V~ 50/60 Hz	Consult us
200 to 250 V~ 50/60 Hz	
380 to 415 V~ 50/60 Hz	
440 to 460 V~ 50/60 Hz	Consult us
480 to 500 V~ 50/60 Hz	Consult us

FOUR FUNCTIONS AVAILABLE


Straight plugs


Mobile sockets


Panel mounting sockets


Surface mounting sockets

QUICK OPENING/CLOSING SYSTEM

Unlocked by pressing with a screwdriver. Marking indicates the location for the locking clip.

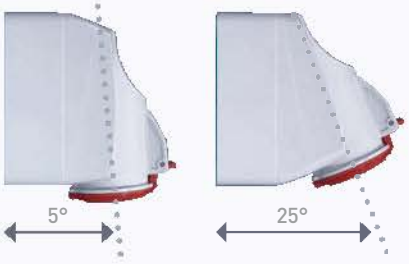


Opened by turning the 2 parts in opposite directions.



2 MOUNTING POSITIONS

To solve the problem of limited space, the surface mounting sockets offer 2 different mounting positions (5° or 25°) which allow users to adapt to the space available without changing the box.



P 17 Tempra Pro IP 44 - LV 16 and 32 A

selection chart

Conform to IEC 60309-1 and IEC 60309-2 IP 44 according to IEC 60529 IK 09 according to IEC 62262 Material: polyamide 6 Self-extinguishing: 850 °C (support of active parts) / 650 °C (plastic housing)			FUNCTIONS							
			SURFACE MOUNTING SOCKETS	PANEL MOUNTING SOCKETS INCLINED OUTLET	PANEL MOUNTING SOCKETS STRAIGHT OUTLET	INTERLOCKED SWITCHED SOCKETS WITH SMALL FLANGE	MOBILE SOCKETS	STRAIGHT PLUGS	ANGLED PLUGS	APPLIANCE INLETS
										
LV										
200 to 250 V~ 50/60 Hz	16 A	2P+E	5 551 54	5 551 84	0 573 54	0 573 00(1)	5 551 04	5 551 24	0 564 53	0 575 84(2)
		3P+E	5 551 55	5 551 85			5 551 05	5 551 25		0 575 85(2)
		3P+N+E	5 551 56	5 551 86			5 551 06	5 551 26		0 575 86(2)
	32 A	2P+E	5 552 54	5 552 84	0 580 54		5 552 14	5 552 34	0 564 73	0 582 84(2)
		3P+E	5 552 55	5 552 85			5 552 15	5 552 35		
		3P+N+E	5 552 56	5 552 86			5 552 16	5 552 36		0 582 86(2)
380 to 415 V~ 50/60 Hz	16 A	2P+E	5 551 57				5 551 07	5 551 27		
		3P+E	5 551 58	5 551 88	0 573 58	0 573 01(1)	5 551 08	5 551 28	0 564 57	0 575 88(2)
		3P+N+E	5 551 59	5 551 89	0 573 59	0 573 02(1)	5 551 09	5 551 29	0 564 58	0 575 89(2)
	32 A	2P+E	5 552 57				5 552 17	5 552 37		
		3P+E	5 552 58	5 552 88	0 580 58		5 552 18	5 552 38	0 564 77	0 582 88(2)
		3P+N+E	5 552 59	5 552 89	0 580 59		5 552 19	5 552 39	0 564 78	0 582 89(2)
440 to 460 V~ 50/60 Hz	16 A	3P+E	5 551 60	5 551 90			5 551 10	5 551 30		
	32 A	3P+E	5 552 60	5 552 90			5 552 20	5 552 40		

1: Can be fitted only on faceplate Cat.No 0 577 23 (p. 336) - 2: Protection covers not supplied (p. 326)

Other voltages available on request
Please, consult us



P 17 Tempra Pro IP 66/67 - LV 16, 32, 63 and 125 A

selection chart

Conform to IEC 60309-1 and IEC 60309-2 IP 44 according to IEC 60529 IK 09 according to IEC 62262 Material: polyamide 6 Self-extinguishing: 850 °C (support of active parts) / 650 °C (plastic housing)			FUNCTIONS						
			SURFACE MOUNTING SOCKETS	PANEL MOUNTING SOCKETS	INTERLOCKED SWITCHED SOCKETS WITH SMALL FLANGE	MOBILE SOCKETS	STRAIGHT PLUGS	ANGLED PLUGS	APPLIANCE INLETS
									
LV									
200 to 250 V~ 50/60 Hz	16 A	2P+E	5 553 54	5 553 84	0 573 20[1][2]	5 553 04	5 553 24	0 565 03	0 568 03
		3P+E	5 553 55	5 553 85		5 553 05	5 553 25		0 568 04
		3P+N+E	5 553 56	5 553 86		5 553 06	5 553 26		
	32 A	2P+E	5 554 54	5 554 84		5 554 14	5 554 34	0 565 23	0 568 23
		3P+E	5 554 55	5 554 85		5 554 15	5 554 35		
		3P+N+E	5 554 56	5 554 86		5 554 16	5 554 36		
	63 A	2P+E	0 587 40	0 587 20		0 587 10	0 587 00		0 587 30
		3P+E	0 587 41	0 587 21		0 587 11	0 587 01		
		3P+N+E	0 587 42	0 587 22		0 587 12	0 587 02		
380 to 415 V~ 50/60 Hz	16 A	3P+E	5 553 58	5 553 88	0 573 21[1][2]	5 553 08	5 553 28		0 568 07
		3P+N+E	5 553 59	5 553 89	0 573 22[1][2]	5 553 09	5 553 29		0 568 08
	32 A	3P+E	5 554 58	5 554 88		5 554 18	5 554 38		0 568 27
		3P+N+E	5 554 59	5 554 89		5 554 19	5 554 39	0 565 28	0 568 28
	63 A	3P+E	0 587 44	0 587 24		0 587 14	0 587 04		0 587 34
		3P+N+E	0 587 45	0 587 25		0 587 15	0 587 05		0 587 35
	125 A	3P+E	0 591 06	0 591 16		0 591 36	0 591 26		0 591 46
		3P+N+E	0 591 07	0 591 17		0 591 37	0 591 27		0 591 47
440 V~ 50/60 Hz for refrigerated containers	32 A	3P+E		5 554 91		5 554 21	5 554 41		

1: IP 55 - 2: Can be fitted only on faceplate Cat.No 0 577 23 (p. 336)

Other voltages available on request
Please, consult us



P 17 Tempra Pro IP 44 - LV 16 and 32 A

sockets, plugs, mobile sockets, appliance inlets and interlocked switched sockets


5 552 58


5 551 88


5 551 08


5 551 28

Technical characteristics **p. 330**

Surface mounting sockets

Two possible angles (5° or 25°)

Pack	Cat.Nos 16 A	Cat.Nos 32 A	
	IP 44	IP 44	
			200/250 V~
10|5	5 551 54	5 552 54	2P+E
5	5 551 55	5 552 55	3P+E
5	5 551 56	5 552 56	3P+N+E
			380/415 V~
5	5 551 57	5 552 57	2P+E
10	5 551 58	5 552 58	3P+E
10	5 551 59	5 552 59	3P+N+E

Panel mounting sockets inclined outlet

Can be fixed on plain faceplates or pre-drilled (p. 336) and on flush mounting boxes (p. 327)

Pack	Cat.Nos 16 A	Cat.Nos 32 A	
	IP 44	IP 44	
			200/250 V~
10	5 551 84	5 552 84	2P+E
5	5 551 85	5 552 85	3P+E
5	5 551 86	5 552 86	3P+N+E
			380/415 V~
10	5 551 88	5 552 88	3P+E
10	5 551 89	5 552 89	3P+N+E

Panel mounting sockets straight outlet small flange

Can be fixed only on plain faceplates Cat.Nos 0 577 15/16 (p. 336)

Pack	Cat.Nos 16 A	Cat.Nos 32 A	
	IP 44	IP 44	
			200/250 V~
5	0 573 54	0 580 54	2P+E
			380/415 V~
5	0 573 58	0 580 58	3P+E
5	0 573 59	0 580 59	3P+N+E

Interlocked switched sockets with small flange

Dimensions: 125 x 105 mm
Can be fixed only on faceplate Cat.No 0 577 23 (p. 336)

Pack	16 A IP 44	16 A IP 55	
			200/250 V~
1	0 573 00	0 573 20	2P+E
			380/415 V~
1	0 573 01	0 573 21	3P+E
1	0 573 02	0 573 22	3P+N+E

Mobile sockets

Cable clamping and closing without screws
Supplied unlocked

Pack	Cat.Nos 16 A	Cat.Nos 32 A	
	IP 44	IP 44	
			200/250 V~
10	5 551 04	5 552 14	2P+E
5	5 551 05	5 552 15	3P+E
5	5 551 06	5 552 16	3P+N+E
			380/415 V~
5	5 551 07	5 552 17	2P+E
10	5 551 08	5 552 18	3P+E
10	5 551 09	5 552 19	3P+N+E

Straight plugs

Cable clamping and closing without screws
Supplied unlocked

Pack	Cat.Nos 16 A	Cat.Nos 32 A	
	IP 44	IP 44	
			200/250 V~
10	5 551 24	5 552 34	2P+E
5	5 551 25	5 552 35	3P+E
5	5 551 26	5 552 36	3P+N+E
			380/415 V~
5	5 551 27	5 552 37	2P+E
10	5 551 28	5 552 38	3P+E
10	5 551 29	5 552 39	3P+N+E

Phase inverter plugs

Straight plugs for changing rotation direction of a 3-phase electric motor

Pack	Cat.Nos 16 A	Cat.Nos 32 A	
	IP 44	IP 44	
			380/415 V~
5	0 574 40	0 581 40	3P+E
5	0 574 41	0 581 41	3P+N+E

Appliance inlets

Pack	Cat.Nos 16 A	Cat.Nos 32 A	
	IP 44	IP 44	
			200/250 V~
5	0 575 84	0 582 84	2P+E
5	0 575 85		3P+E
5	0 575 86	0 582 86	3P+N+E
			380/415 V~
5	0 575 88	0 582 88	3P+E
5	0 575 89	0 582 89	3P+N+E

Protection covers

IP 67
IP 44 maintained with the plug inserted

Pack	Cat.Nos Rubber	
		For plugs and appliance inlets:
10	0 521 25	2P+E - 16 A
5	0 521 26	3P+E - 16 A
5	0 521 27	3P+N+E - 16 A / 2P+E and 3P+E - 32 A
5	0 527 99	3P+N+E - 32 A

P 17 Tempra - domestic pin configuration 16 A - 250 V~


0 576 69


0 576 72


0 539 48



0 521 05 + 0 772 11


0 577 22

Technical characteristics **p. 331**

Pack	Cat.Nos	Panel mounting sockets
		Domestic pin configuration German standard sockets IP 54 cover closed - IP 44 connected IK 09 according to IEC 62262 and EN 62262 2P+E 250 V~ Material: plastic Self-extinguishing: 850 °C
		Panel mounting sockets with small flange Can be fixed only on plain faceplates Cat.Nos 0 577 15/16 (p. 336)
20	0 576 69	White panel mounting sockets
20	0 576 75	Blue panel mounting sockets with shutters
		Panel mounting sockets Can be fixed on pre-cut or plain faceplate for combined units (p. 336), flush-mounting boxes Cat.Nos 0 577 21/22
20	0 576 72	Blue panel mounting sockets
20	0 576 76	Blue panel mounting sockets with shutters
		Panel mounting adaptor
8	0 539 48	Accepts Arteor and Mosaic mechanisms 2 modules (except particular prominence)
		Adaptor
10	0 521 05	16 A - 250 V~ IEC input 2P+E Output: empty model to be equipped with Mosaic mechanism all standards
		Flush-mounting boxes
		IP 55 For panel mounting sockets inclined outlet installation (IP 44 or IP 66/67)
3	0 577 21	Flush mounting boxes with faceplates For 2 panel mounting sockets With single fixing centres 70 x 70 mm - 16 A
3	0 577 22	For 1 panel mounting socket With single fixing centres 70 x 70 mm - 16 or 32 A (32 A to be fixed horizontally)

P 17 Tempra IP 44 - ELV 16 and 32 A


0 552 06


0 552 45


0 552 21

Technical characteristics **p. 332**

Pack	Cat.Nos 16 A	Cat.Nos 32 A	Surface mounting sockets
5	0 552 06	0 552 56	**20/25 V~** 2P
			Panel mounting sockets
5	0 552 45	0 552 95	**20/25 V~** 2P
			Straight plugs
5	0 552 21	0 552 71	**20/25 V~** 2P
			Mobile sockets
5	0 552 31	0 552 81	**20/25 V~** 2P
			Appliance inlets
5	0 552 41	0 552 91	**20/25 V~** 2P

P 17 Tempra Pro IP 66/67
LV 16 and 32 A



5 554 58



5 553 28

Technical characteristics **p. 333**

Pack	Cat.Nos 16 A	Cat.Nos 32 A	Surface mounting sockets
			Two possible angles (5° or 25°)
			200/250 V~
5	5 553 54	5 554 54	2P+E
5	5 553 55	5 554 55	3P+E
5	5 553 56	5 554 56	3P+N+E
			380/415 V~
5	5 553 58	5 554 58	3P+E
5	5 553 59	5 554 59	3P+N+E

Pack	Cat.Nos 16 A	Cat.Nos 32 A	Panel mounting sockets
			Can be fixed on the faceplates (p. 336)
			200/250 V~
5	5 553 84	5 554 84	2P+E
5	5 553 85	5 554 85	3P+E
5	5 553 86	5 554 86	3P+N+E
			380/415 V~
5	5 553 88	5 554 88	3P+E
5	5 553 89	5 554 89	3P+N+E

Pack	Cat.Nos 16 A	Cat.Nos 32 A	Mobile sockets
			Supplied unlocked
			200/250 V~
5	5 553 04	5 554 14	2P+E
5	5 553 05	5 554 15	3P+E
5	5 553 06	5 554 16	3P+N+E
			380/415 V~
5	5 553 08	5 554 18	3P+E
5	5 553 09	5 554 19	3P+N+E

Pack	Cat.Nos 16 A	Cat.Nos 32 A	Straight plugs
			Supplied unlocked
			200/250 V~
5	5 553 24	5 554 34	2P+E
5	5 553 25	5 554 35	3P+E
5	5 553 26	5 554 36	3P+N+E
			380/415 V~
5	5 553 28	5 554 38	3P+E
5	5 553 29	5 554 39	3P+N+E

Pack	Cat.Nos 16 A	Cat.Nos 32 A	Appliance inlets
			200/250 V~
5	0 568 03	0 568 23	2P+E
5	0 568 04	-	3P+E
			380/415 V~
5	0 568 07	0 568 27	3P+E
5	0 568 08	0 568 28	3P+N+E

P 17 Tempra Pro IP 66/67
LV 32 A for refrigerated containers



6 571 06

Pack	Cat.Nos	Combined unit, plug and mobile socket for refrigerated containers
		32 A - 440 V~ - 50/60 Hz - 3P+E - 3 hours IK 09 Plastic body and cover - Stainless steel screws
1	6 571 06	Combined unit with interlocked switched socket - Double mechanical interlock - Cable glands are not supplied
5	5 554 91	Panel mounting socket
5	5 554 21	Mobile socket With cable grip Ø12 to 21.5 mm
5	5 554 41	Straight plug With cable grip Ø12 to 21.5 mm

P 17 Tempra IP 66/67 - LV 63 and 125 A



0 587 05 — 0 587 14

Technical characteristics **p. 334-335**

Pack	Cat.Nos 63 A	Cat.Nos 125 A	
Surface mounting sockets			
			200/250 V~
2	0 587 40		2P+E
			380/415 V~
2 | 1	0 587 44	0 591 06	3P+E
2 | 1	0 587 45	0 591 07	3P+N+E
Panel mounting sockets			
			Can be fixed on the faceplates Cat.Nos 0 577 17/19 (p. 336)
			200/250 V~
2	0 587 20		2P+E
			380/415 V~
2 | 1	0 587 24	0 591 16	3P+E
2 | 1	0 587 25	0 591 17	3P+N+E
Straight plugs			
			200/250 V~
2	0 587 00		2P+E
			380/415 V~
2 | 1	0 587 04	0 591 26	3P+E
2 | 1	0 587 05	0 591 27	3P+N+E
Mobile sockets			
			200/250 V~
2	0 587 10		2P+E
			380/415 V~
2 | 1	0 587 14	0 591 36	3P+E
2 | 1	0 587 15	0 591 37	3P+N+E
Appliance inlets			
			200/250 V~
2	0 587 30		2P+E
			380/415 V~
2 | 1	0 587 34	0 591 46	3P+E
2 | 1	0 587 35	0 591 47	3P+N+E

P 17 WORKSITES COMBINED UNITS

Power supply made easy



- Provide temporary power supplies on building sites and for events
- 2 types of worksites combined units:
  - individual units (ready to use or to be equipped)
  - floor cabinets (to be equipped)
- Can take P17 Tempra Pro panel mounting sockets, Osmoz control units, Mosaic or Arteor sockets outlets (via the dedicated adaptor)
- Easy to hang on a wall without having to open the unit







CUSTOM MADE RANGES

Custom made P17 Tempra Pro power connectors and combined units available on request

Ask for your enquiry forms in order to define product specification

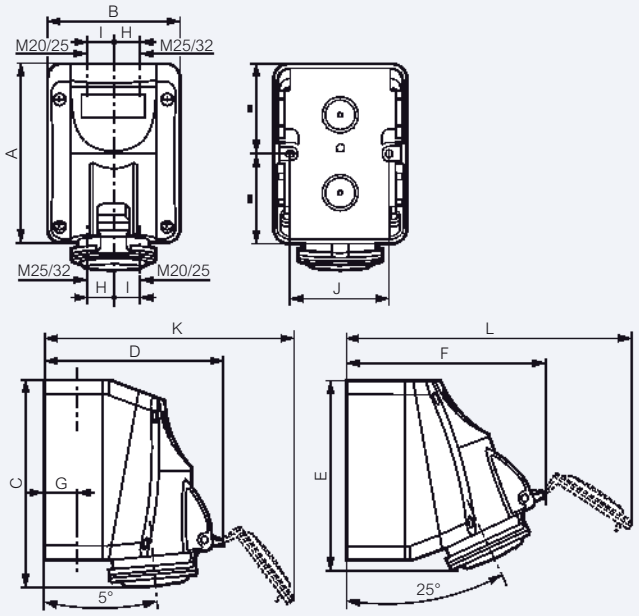
P 17 Tempra Pro IP 44 - LV 16 and 32 A

Characteristics

Terminal connection:
• Panel and surface mounting sockets
16 A: max. 1 x 4 mm² rigid
32 A: max. 1 x 10 mm² rigid
• Appliance inlets:
16 A: max. 1 x 2.5 mm² rigid
32 A: max. 1 x 6 mm² rigid
• Plugs and mobile sockets:
16 A: max. 1 x 2.5 mm² flexible
32 A: max. 1 x 6 mm² flexible
IP 44 according to IEC and EN 60529
IK 08 according to EN 50102 for interlocked switched sockets with small flange
IK 09 according to IEC 62262 and EN 62262
Material: polyamide 6
Self-extinguishing: 850 °C (support of active parts) / 650 °C (plastic housing)
- 25 °C to + 40 °C according to IEC 60309-1

Dimensions

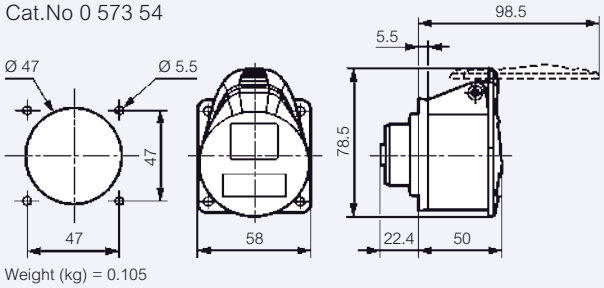
Surface mounting sockets (p. 326)



	A	B	C	D	E	F	G	H	I	J	K	L
LV 16 A												
2P+E	125	93	147	126	138	139	22	17	20	70	176	195
3P+E	125	93	147	134	138	147	22	17	20	70	190	210
3P+N+E	125	93	147	140	138	153	22	17	20	70	201	221
LV 32 A												
2P+E	150	113	174	156	163	172	28	22	26	90	220	245
3P+E	150	113	174	156	163	172	28	22	26	90	220	245
3P+N+E	150	113	174	162	163	177	28	22	26	90	230	256

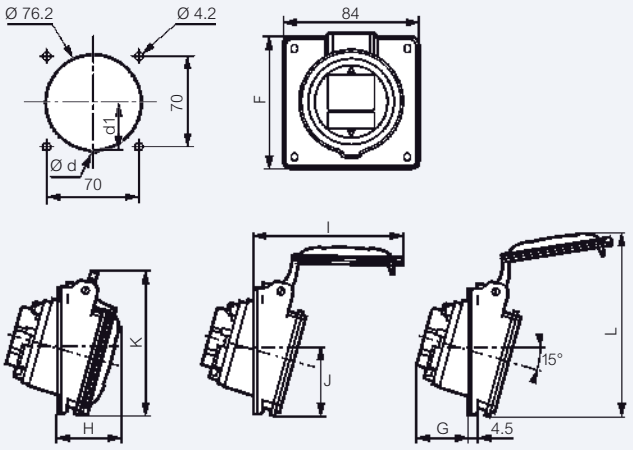
Panel mounting socket straight outlet small flange (p. 326)

Cat.No 0 573 54



Weight (kg) = 0.105

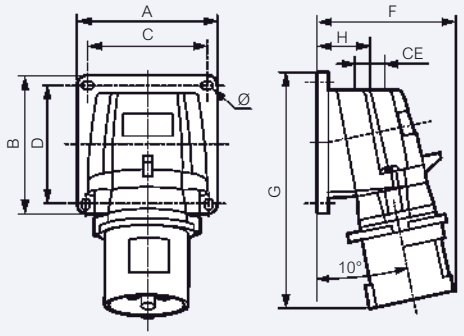
Panel mounting sockets inclined outlet (p. 326)



	Ød	d1	F	G	H	I	J	K	L
LV 16 A									
2P+E	-	-	84	33.5	37.5	85	42	88.5	112.5
3P+E	-	-	84	35.5	38.5	93	42	91.5	118.5
3P+N+E	-	-	84	36.5	39.5	100	43.3	97	123.5
LV 32 A									
2P+E									
3P+E	-	-	94	41.5	45.5	110	47	102	131
3P+N+E	8	36	94	42.5	46.5	117	47	107.5	138

Appliance inlets (p. 326)

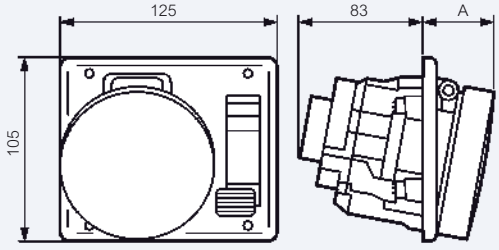
Cat.Nos 0 575 84/88/89 and 0 582 84/88/89



	Weight (kg)	A	B	C	D	F	G	H	CE	Ø
LV 16 A										
2P+E	0.168	84	84	72	72	77	126	34	M20	4.3
3P+E	0.232	84	84	72	72	84	134	34	M20	4.3
3P+N+E	0.256	84	84	72	72	91	141	34	M20	4.3
LV 32 A										
2P+E	0.325	110	110	98	98	96	168	39	M25	5.3
3P+E										
3P+N+E	0.364	110	110	98	98	102	168	39	M25	5.3

Interlocked switched sockets with small flange (p. 326)

Cat.Nos 0 573 00/01/02 and 0 573 20/21/22



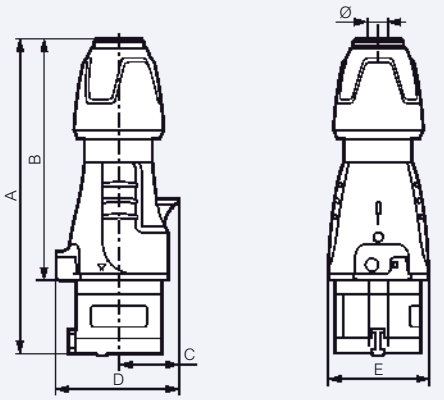
16 A	IP	A	IP	A
2P+E	44	38	55	45
3P+E	44	38	55	45
3P+N+E	44	38	55	45

P 17 Tempra Pro IP 44 - LV 16 and 32 A

mobile products

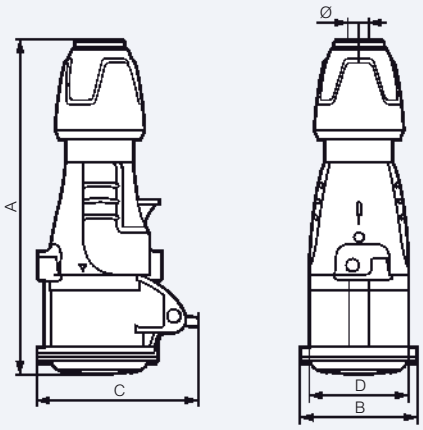
Dimensions

Straight plugs (p. 326)



	A	B	C	D	E	Ø
LV 16 A						
2P+E	146 to 157	109.5 to 120.5	30	61	50	6.5 to 14
3P+E	146 to 157	109.5 to 120.5	34	67	55	7.10 to 15.5
3P+N+E	163 to 176	126.5 to 139.5	38	76	65	8 to 20
LV 32 A						
2P+E	172 to 185	127 to 140	40	78	65	8 to 20
3P+E	172 to 185	127 to 140	40	78	65	8 to 20
3P+N+E	179 to 189	133 to 143	45	86	71	11.9 to 22.2

Mobile sockets (p. 326)



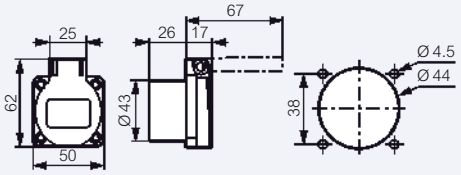
	A	B	C	D	Ø
LV 16 A					
2P+E	156 to 167	59	81	50	6.5 to 14
3P+E	157 to 168	65	88	55	7.10 to 15.5
3P+N+E	175 to 188	72	94	65	8 to 20
LV 32 A					
2P+E	184 to 197	73	99	65	8 to 20
3P+E	184 to 197	73.5	99	65	8 to 20
3P+N+E	190 to 203	79.5	105	71	11.9 to 22.2

P 17 Tempra domestic pin configuration 16 A - 250 V~

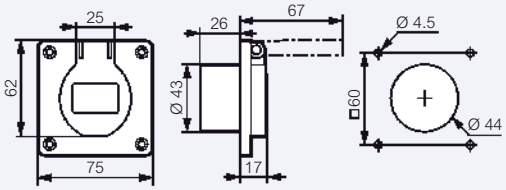
Dimensions

Domestic pin configuration sockets (p. 327)

Cat.Nos 0 576 69/75

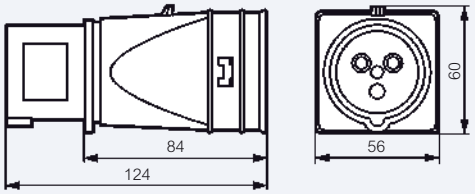


Cat.Nos 0 576 72/76



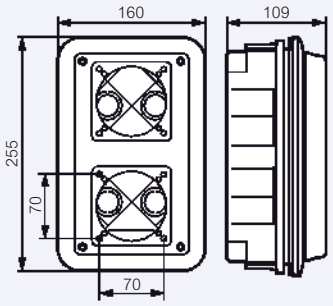
Adaptor 16 A - 230 V (p. 327)

Cat.No 0 521 05

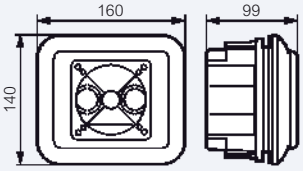


Flush mounting boxes (p. 327)

Cat.No 0 577 21

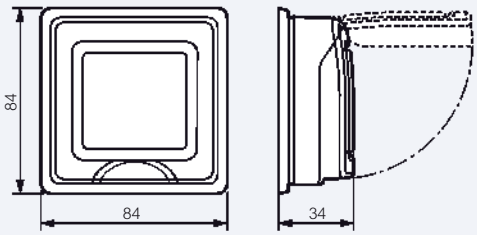


Cat.No 0 577 22



Panel mounting adaptor (p. 327)

Cat.No 0 539 48



P 17 Tempra IP 44 - ELV 16 and 32 A

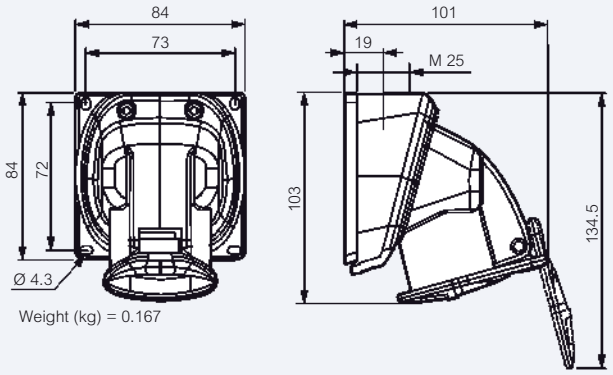
Characteristics

Terminal connection:
Max. 1 x 10 mm² (rigid for fixed products flexible for mobile products)
IP 44 according to IEC 60529 and EN 60529
IK 09 according to IEC 62262 and EN 62262
Material: plastic
Self-extinguishing: 850 °C (support of active parts) / 650 °C (plastic housing)
Temp. rating: - 25 °C to + 40 °C
Conform to IEC 60309-1 / IEC 60309-2 and EN 60309-1 / EN 60309-2

Dimensions

Surface mounting sockets (p. 327)

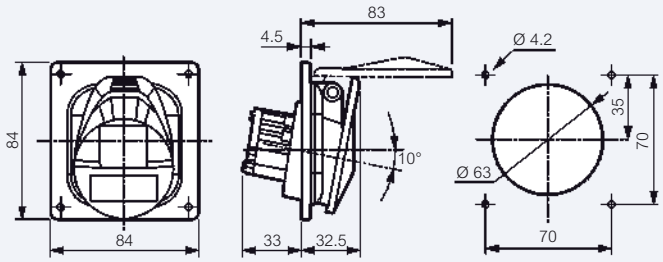
Cat.Nos 0 552 06/56



Weight (kg) = 0.167

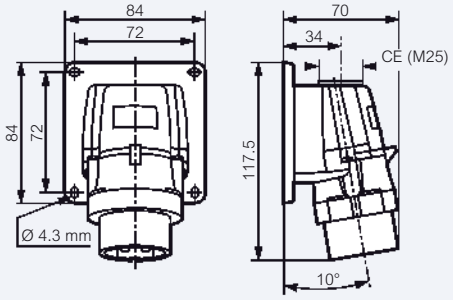
Panel mounting sockets (p. 327)

Cat.Nos 0 552 45/95



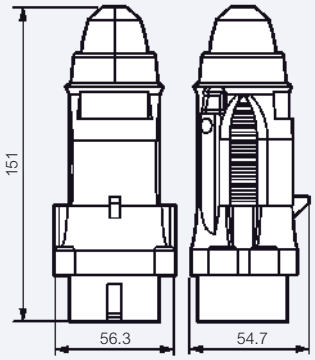
Appliance inlets (p. 327)

Cat.Nos 0 552 41/91



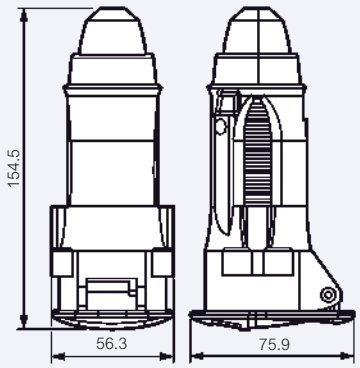
Dimensions ELV 16 and 32 A

Straight plugs (p. 327)



Weight (kg) = 0.132

Mobile sockets (p. 327)



Weight (kg) = 0.16

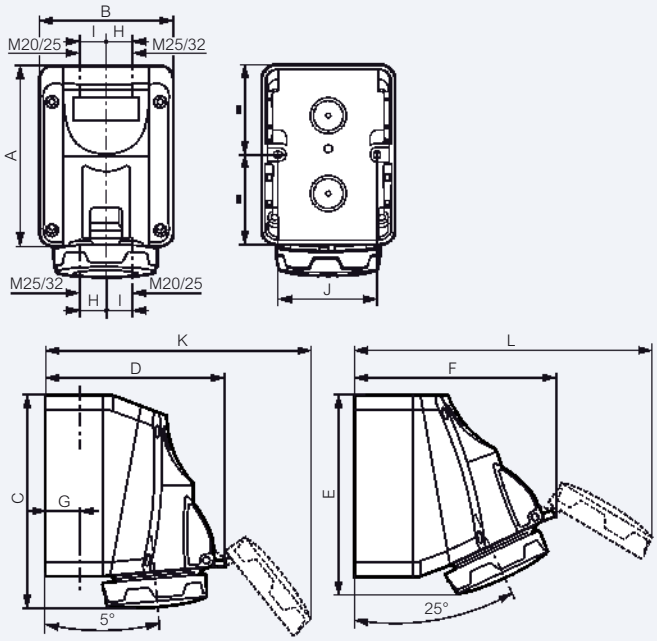
P 17 Tempra Pro IP 66/67 - LV 16 and 32 A

Characteristics

Terminal connection:
• Panel and surface mounting sockets
16 A: max. 1 x 4 mm² rigid - 32 A: max. 1 x 10 mm² rigid
• Plugs, mobile sockets:
16 A: max. 1 x 2,5 mm² flexible - 32 A: max. 1 x 6 mm² flexible
• Appliance inlets:
16 A: max. 1 x 2.5 mm² rigid - 32 A: max. 1 x 6 mm² rigid
IP 66/67 according to IEC 60529 and EN 60529
IK 09 according to IEC 62262 and EN 62262
Material: polyamide 6
Self-extinguishing: 850 °C (support of active parts) / 650 °C (plastic housing)
Temp. rating: - 25 °C to + 40 °C
Conform to IEC 60309-1 and IEC 60309-2

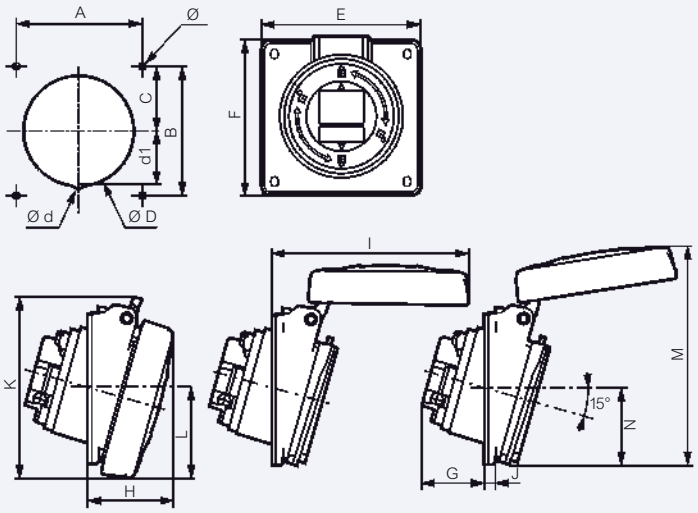
Dimensions

Surface mounting sockets (p. 328)



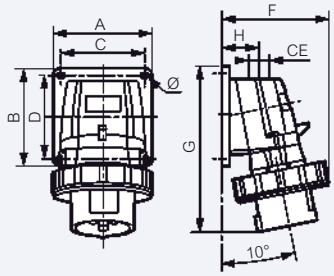
	A	B	C	D	E	F	G	H	I	J	K	L
LV 16 A												
2P+E	125	93	144	125	131	137	22	17	20	70	178	200
3P+E	125	93	144	133	131	145	22	17	20	70	194	215
3P+N+E	125	93	144	139	131	150	22	17	20	70	205	227
LV 32 A												
2P+E	150	113	171	155	156	170	28	22	26	90	224	250
3P+E												
3P+N+E	150	113	171	161	156	175	28	22	26	90	231	260

Panel mounting sockets (p. 328)



	Dimensions (mm)																
	A	B	C	ØD	Ød	d1	E	F	G	H	I	J	K	L	M	N	Ø
LV 16 A																	
2P+E	70	70	35	76.2	-	-	84	84	33.5	42	94	4.5	88	42.5	114	42	4.2
3P+E	70	70	35	76.2	-	-	84	84	35.5	43	101	4.5	94.5	46	118	42	4.2
3P+N+E	70	70	35	76.2	-	-	84	84	36.5	44	108.5	4.5	101	50	123	42.5	4.2
LV 32 A																	
2P+E/ 3P+E	70	70	35	76.2	-	-	84	94	41.5	50.5	118	4.5	105.5	54.5	129.5	47.5	4.2
3P+N+E	70	70	35	76.2	8	36	84	94	42.5	51.5	124.5	4.5	112	57.5	137	51	4.2

Appliance inlets (p. 328)

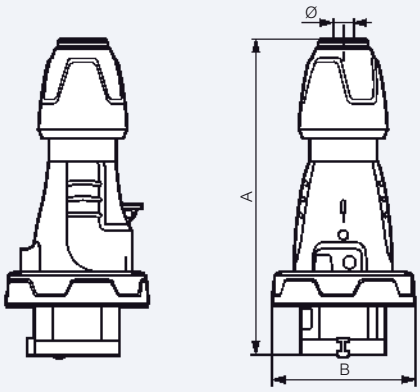


	Weight (kg)	A/B	C/D	F	G	H	CE	Ø
LV 16 A								
2P+E	0.188	84	72	87	126	34	M 20	4.3
3P+E	0.257	84	72	95	134	34	M 20	4.3
3P+N+E	0.297	84	72	100	141	34	M 20	4.3
LV 32 A								
2P+E	0.370	110	98	107	168	39	M 25	5.3
3P+E								
3P+N+E	0.413	110	98	113	168	39	M 25	5.3

P 17 Tempra Pro IP 66/67 LV 16 and 32 A - mobile products

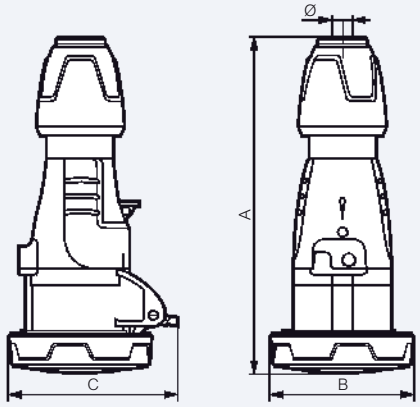
Dimensions

Straight plugs (p. 328)



	A	B	Ø
LV 16 A			
2P+E	146 to 157	72.5	6.5 to 14
3P+E	146 to 157	80.5	7.10 to 15.5
3P+N+E	163 to 176	89	8 to 20
LV 32 A			
2P+E	172 to 185	93	8 to 20
3P+E	172 to 185	93	8 to 20
3P+N+E	179 to 189	100	11.9 to 22.2

Mobile sockets (p. 328)



	A	B	C	Ø
LV 16 A				
2P+E	159 to 170	72.5	86	6.5 to 14
3P+E	159 to 170	80.5	93	7.1 to 15.5
3P+N+E	179 to 190	89	100	8 to 20
LV 32 A				
2P+E	187 to 200	93	104	8 to 20
3P+E	187 to 200	93	104	8 to 20
3P+N+E	192 to 205	100	110.5	11.9 to 22.2

P 17 Tempra IP 66/67 - LV 63 A

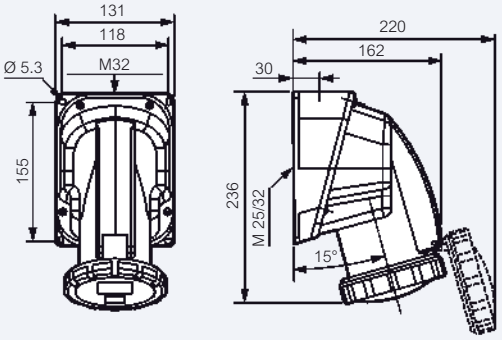
Characteristics

Terminal connection:
• Panel and surface mounting sockets
63 A: max. 1 x 25 mm² rigid - 125 A: max. 1 x 70 mm² rigid
• Appliance inlets:
63 A: max. 1 x 16 mm² rigid - 125 A: max. 1 x 50 mm² rigid
• Plugs and mobile sockets:
63 A: max. 1 x 16 mm² flexible - 125 A: max. 1 x 50 mm² flexible
IP 66/67 according to IEC 60529 and EN 60529
IK 09 according to IEC 62262 and EN 62262
Material: plastic
Self-extinguishing: 850 °C (support of active parts) / 650 °C (plastic housing)
Temp. rating: - 25 °C to + 40 °C. According to IEC 60309-1 and IEC 60309-2

Dimensions

Surface mounting sockets (p. 329)

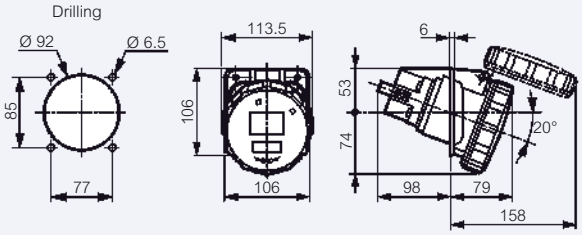
Cat.Nos 0 587 40/44/45



	Weight (kg)
3P+E	0.900
3P+N+E	0.950

Panel mounting sockets (inclined outlet) (p. 329)

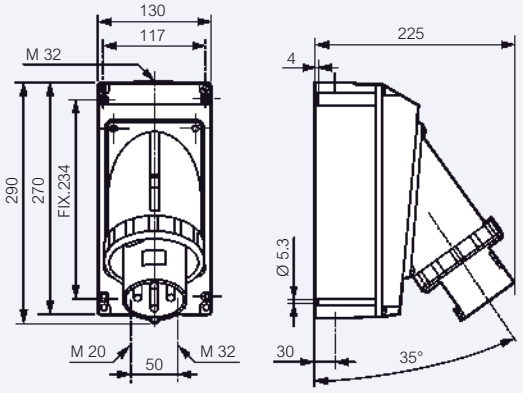
Cat.Nos 0 587 20/24/25



	Weight (kg)
3P+E	0.710
3P+N+E	0.770

Appliance inlets (p. 329)

Cat.Nos 0 587 30/34/35

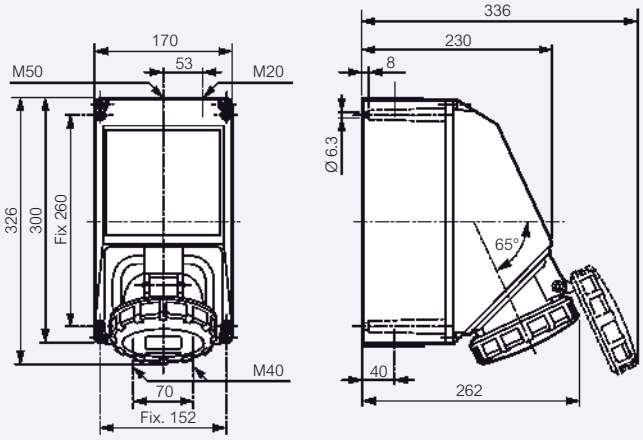


	Weight (kg)
3P+E	1.540
3P+N+E	1.610

Dimensions

Surface mounting sockets (p. 329)

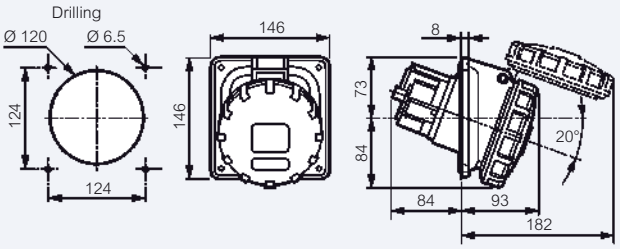
Cat.Nos 0 591 06/07



	Weight (kg)
3P+E	2.600
3P+N+E	2.730

Surface mounting sockets (p. 329)

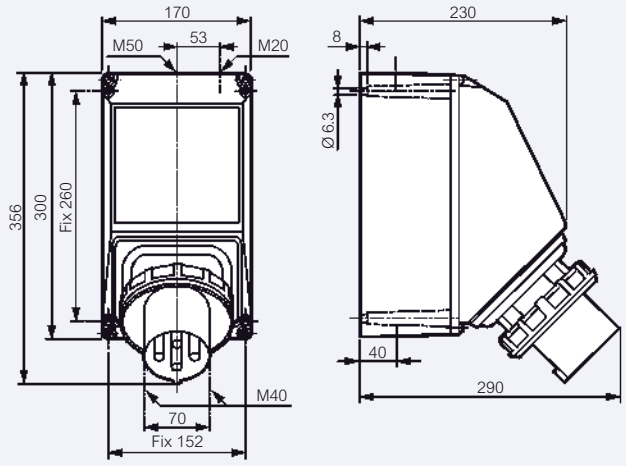
Cat.Nos 0 591 16/17



	Weight (kg)
3P+E	1.000
3P+N+E	1.200

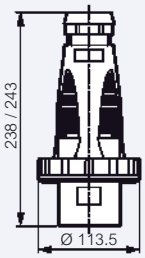
Appliance inlets (p. 329)

Cat.Nos 0 591 46/47



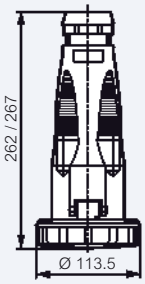
Dimensions LV 63 A

Straight plugs (p. 329)



	Weight (kg)
	Straight plugs
3P+E	0.570
3P+N+E	0.640

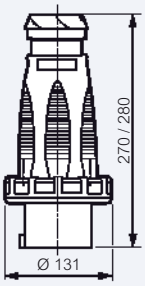
Mobile sockets (p. 329)



	Weight (kg)
	Mobile sockets
3P+E	0.780
3P+N+E	0.850

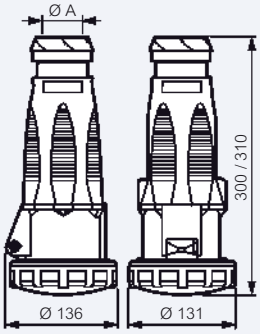
Dimensions LV 125 A

Straight plugs (p. 329)



	Ø
3P+E	26 to 43
3P+N+E	28.5 to 50

Mobile sockets (p. 329)



	A
3P+E	26 to 43
3P+N+E	28.5 to 50

P17 Tempra combined units to be composed

- IK 08 according to IEC 62262
- Self-extinguishing: 650 °C
- Max. IP 66

Bases and faceplates dimensions **p. 338**

Example of combined unit configuration



COMBINED UNITS HEIGHT 220 MM TO 441 MM

BASES FOR 220 x 125 MM FACEPLATES - MAX IP 66

Surface mounting box		Base up to 2 sockets 16 A		Base up to 4 sockets 16 A		Base up to 6 sockets 16 A	
							
220 x 125 mm(4)		371 x 125 mm(4) Rail 5 modules 17.5 mm		441 x 265 mm(4) Rail 12 modules 17.5 mm		441 x 405 mm(4) Rail 18 modules 17.5 mm	
Pack	**Cat.No**	**Pack**	**Cat.No**	**Pack**	**Cat.No**	**Pack**	**Cat.No**
1	0 577 10	1	0 589 38	1	0 577 05(7)	1	0 577 06(7)

220 X 125 MM FACEPLATES

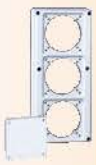
1 socket 16 or 32 A		2 sockets 16 A		1 socket 63 A		Plain plate	
							
Pack	**Cat.No**	**Pack**	**Cat.No**	**Pack**	**Cat.No**	**Pack**	**Cat.No**
5	0 577 12	5	0 577 13(1)	2	0 577 17	5	0 577 15

COMBINED UNITS HEIGHT 280 MM TO 501 MM

BASES FOR 280 x 125 MM FACEPLATES - MAX IP 66

Surface mounting box		Base up to 3 sockets 16 A		Base up to 6 sockets 16 A		Base up to 9 sockets 16 A	
							
280 x 125 mm(4)		421 x 125 mm(4) Rail 5 modules 17.5 mm		501 x 265 mm(4) Rail 12 modules 17.5 mm		501 x 405 mm(4) Rail 18 modules 17.5 mm	
Pack	**Cat.No**	**Pack**	**Cat.No**	**Pack**	**Cat.No**	**Pack**	**Cat.No**
3	0 577 11	1	0 577 20	1	0 577 03(7)	1	0 577 04(7)

280 x 125 MM FACEPLATE

2 sockets 16 or 32 A		2 interlocked switched sockets 16 A (p. 330)		1 socket 16 or 32 A and 1 socket 63 A		3 sockets 16 A(2)		Plain plate	
									
Pack	**Cat.No**	**Pack**	**Cat.No**	**Pack**	**Cat.No**	**Pack**	**Cat.No**	**Pack**	**Cat.No**
4	0 577 18(1)	1	0 577 23	2	0 577 19(1)	4	0 577 14(1)	4	0 577 16

1: Supplied with blanking plate - 2: To be fixed horizontally except 16 A domestic pin sockets, vertically (IP 44 - connected) - 3: IP 54 cover closed - IP 44 connected
4: External dimensions: H x W - 5: Interlocked switched socket with small flange - 6: IP 55 - Interlocked switched socket with small flange - 7: Can be used with the wall mounting lugs Cat.No 0 019 69 (p. 240)



0 577 04 with emergency stop button, appliance inlet and interlocked switched sockets



0 577 20 with interlocked switched sockets

EXAMPLE OF SOCKETS

ELV (p. 331)			**IP 44**		
20/25 V~	**16 A**	**2P**	0 552 45		
	32 A	**2P**	0 552 95		
Domestic pin (p. 331)			**IP 54**(3)		
250 V	**16 A**	**2P+E**	0 576 72/76		
LV (p. 328 to 333)			**IP 44**	**IP 66-67**	
200/250 V~	**16 A**	**2P+E**	5 551 84	5 553 84	
	32 A	**2P+E**	5 552 84	5 554 84	
	63 A	**2P+E**	-	0 587 20	
380/415 V~	**16 A**	**3P+E**	5 551 88	5 553 88	
		3P+N+E	5 551 89	5 553 89	
	32 A	**3P+E**	5 552 88	5 554 88	
		3P+N+E	5 552 89	5 554 89	
	63 A	**3P+E**	-	0 587 24	
		3P+N+E	-	0 587 25	

Examples of most common combinations with bases for 220 x 125 mm faceplates

Base	Total number of sockets on the base	Socket combination	Face plate according to the socket intensity		
			16 A	**32 A**	**63 A**
0 577 10 or 0 589 38	1	1 x 16 A or 1 x 32 A or 1 x 63 A	0 577 12	0 577 12	0 577 17
	2	2 x 16 A	0 577 13	-	-
0 577 05	2	2 x 16 A or 2 x 32 A or 2 x 63 A	0 577 12 x 2	0 577 12 x 2	0 577 17 x 2
		1 x 16 A + 1 x 32 A	0 577 12	0 577 12	-
		1 x 16 or 32 A + 1 x 63 A	0 577 12		0 577 17
	3	3 x 16 A	0 577 12 + 0 577 13	-	-
		2 x 16 A + 1 x 32 A	0 577 13	0 577 12	-
		2 x 16 A + 1 x 63 A	0 577 13	-	0 577 17
	4	4 x 16 A	0 577 13 x 2	-	-
0 577 06	3	3 x 16 A or 3 x 32 A or 3 x 63 A	0 577 12 x 3	0 577 12 x 3	0 577 17 x 3
		1 x 16 or 32 A + 2 x 63 A	0 577 12		0 577 17 x 2
		2 x 16 or 32 A + 1 x 63 A	0 577 12 x 2		0 577 17
	4	2 x 16 A + 1 x 32 A + 1 x 63 A	0 577 13	0 577 12	0 577 17
		2 x 16 A + 2 x 32 A	0 577 13	0 577 12 x 2	-
		2 x 16 A + 2 x 63 A	0 577 13	-	0 577 17 x 2
	5	4 x 16 A + 1 x 32 A	0 577 13 x 2	0 577 12	-
		4 x 16 A + 1 x 63 A	0 577 13 x 2	-	0 577 17
	6	16 A	0 577 13 X 3	-	-

EXAMPLE OF SOCKETS

ELV (p. 331)			**IP 44**		
20/25 V~	**16 A**	**2P**	0 552 45		
	32 A	**2P**	0 552 95		
Domestic pin (p. 331)			**IP 54**(3)		
250 V	**16 A**	**2P+E**	0 576 72/76		
LV (p. 328 to 333)			**IP 44**	**IP 66-67**	
200/250 V~	**16 A**	**2P+E**	5 551 84	5 553 84	
			0 573 00(5)	0 573 20(6)	
	32 A	**2P+E**	5 552 84	5 554 84	
	63 A	**2P+E**	-	0 587 20	
380/415 V~	**16 A**	**3P+E**	5 551 88	5 553 88	
			0 573 01(5)	0 573 21(6)	
		3P+N+E	5 551 89	5 553 89	
			0 573 02(5)	0 573 22(6)	
	32 A	**3P+E**	5 552 88	5 554 88	
		3P+N+E	5 552 89	5 554 89	
	63 A	**3P+E**	-	0 587 24	
		3P+N+E	-	0 587 25	

Examples of most common combinations with bases for 280 x 125 mm faceplates

Base	Total number of sockets on the base	Socket combination	Face plate according to the socket intensity		
			16 A	**32 A**	**63 A**
0 577 11 or 0 577 20	2	2 x 16 A or 2 x 32 A	0 577 18		-
		2 x 16 A interlocked sw.	0 577 23	-	-
	3	3 x 16 A	0 577 14	-	-
0 577 03	4	4 x 16 A or 4 x 32 A	0 577 18 x 2		-
		2 x 16 or 32 A + 2 x 63 A	0 577 19 x 2		
		3 x 16 or 32 A + 1 x 63 A	0 577 18 + 0 577 19		
		4 x 16 A interlocked sw.	0 577 23 x 2	-	-
	5	3 x 16 A + 1 x 16 or 32 A + 1 x 63 A	0 577 14 + 0 577 19		
		3 x 16 A + 2 x 16 or 32 A	0 577 14 + 0 577 18		-
0 577 04	6	6 x 16 A or 32 A	0 577 18 x 3		
		3 x 16 or 32 A + 3 x 63 A	0 577 19 x 3		
		5 x 16 or 32 A + 1 x 63 A	0 577 18 x 2 + 0 577 19		
		4 x 16 or 32 A + 2 x 63 A	0 577 18 + 0 577 19 x 2		
		6 x 16 A interlocked sw.	0 577 23 x 3	-	-
	7	3 x 16 A + 2 x 16 or 32 A + 2 x 63 A	0 577 14 + 0 577 19 x 2		
		3 x 16 A + 4 x 16 or 32 A	0 577 14 + 0 577 18 x 2		
		3 x 16 A + 3 x 16 or 32 A + 1 x 63 A	0 577 14 + 0 577 18 + 0 577 19		
	8	6 x 16 A + 1 x 16 or 32 A + 1 x 63 A	0 577 14 x 2 + 0 577 19		
		6 x 16 A + 2 x 16 or 32 A	0 577 14 x 2 + 0 577 18		
	9	16 A	0 577 14 x 3	-	-

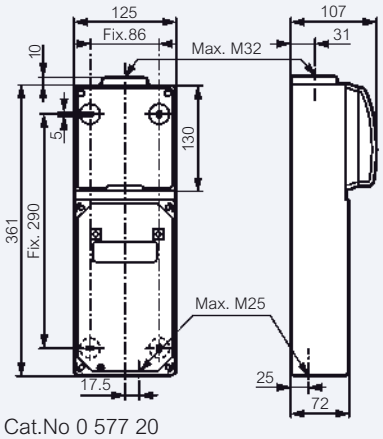
P 17 Tempra combined units to be composed

Dimensions

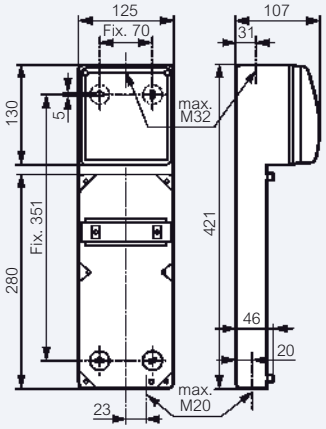
Cable glands are not supplied
Entries to drill

Bases

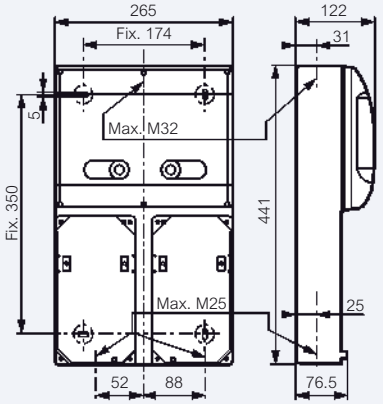
Cat.No 0 589 38



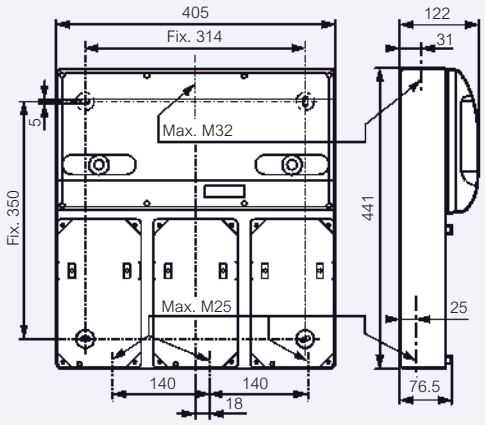
Cat.No 0 577 20



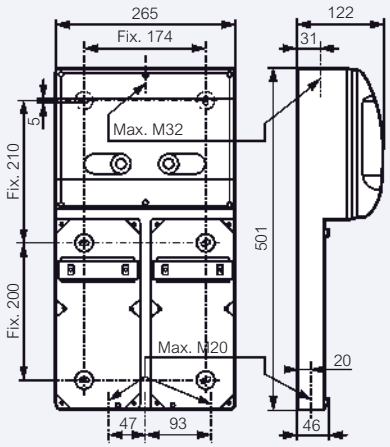
Cat.No 0 577 05



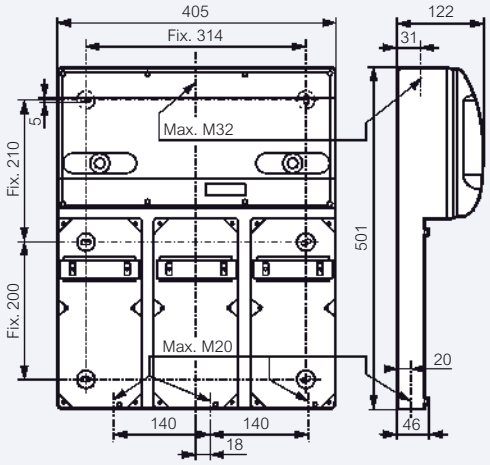
Cat.No 0 577 06



Cat.No 0 577 03

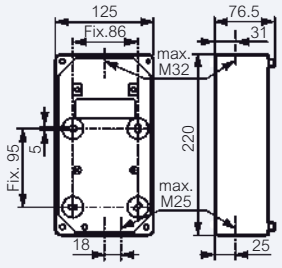


Cat.No 0 577 04

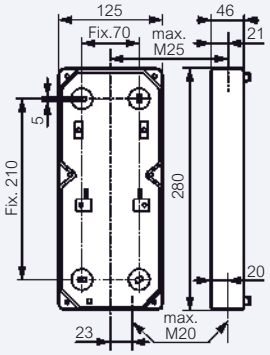


Surface mounting boxes

Cat.No 0 577 10



Cat.No 0 577 11



P 17 Tempra combined units LV 16 to 63 A

interlocked switched sockets

P 17 Tempra combined units LV 16 to 63 A

interlocked switched sockets

16-32 A			without rail				with empty Din rail			
• IP 44, IP 55, IP 66 according to IEC 60529 and EN 60529 • IK 08 according to IEC 62262 • Conform to IEC 60439-1 • Supplied without cable glands • Self-extinguishing: 650 °C			125 x 220 mm				125 x 280 mm			
			IP 44		IP 55		IP 44		IP 66	
			Pack	Cat.Nos	Pack	Cat.Nos	Pack	Cat.Nos	Pack	Cat.Nos
200 to 250 V~ 50/60 Hz	16 A	2P+E	1	0 566 01	1	0 566 21	1	0 566 41	1	0 566 61
	32 A	2P+E	1	0 566 09	1	0 566 29	1	0 566 49	1	0 566 69
380 to 415 V~ 50/60 Hz	16 A	3P+E	1	0 566 05	1	0 566 25	1	0 566 45	1	0 566 65
		3P+N+E	1	0 566 06	1	0 566 26	1	0 566 46	1	0 566 66
	32 A	3P+E	1	0 566 13	1	0 566 33	1	0 566 53	1	0 566 73
		3P+N+E	1	0 566 14	1	0 566 34	1	0 566 54	1	0 566 74

63 A			without rail		with empty Din rail	
• IP 66 according to IEC 60529 and EN 60529 • IK 08 according to IEC 62262 • Conform to IEC 60439-1 • Supplied without cable glands • Self-extinguishing: 650 °C			IP 66		IP 66	
			Pack	Cat.Nos	Pack	Cat.Nos
380 to 415 V~ 50/60 Hz	63 A	3P+E	1	0 572 98	1	0 589 18
		3P+N+E	1	0 589 10	1	0 572 99

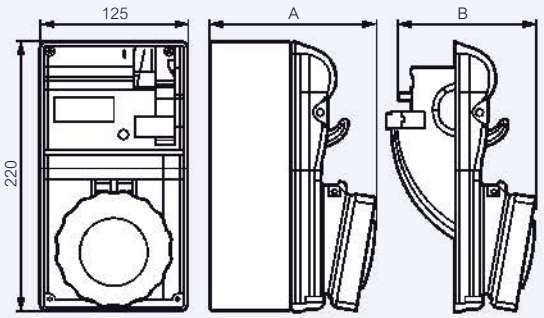
110 VA combined units
Please consult us

MCBs
p. 40

Interlocked switched sockets with small flange **p. 326**

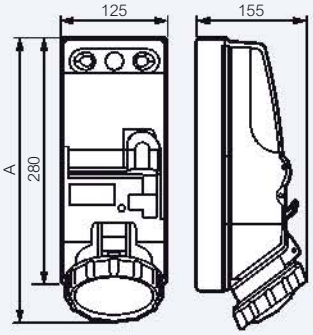
Dimensions

Without rail
LV 16/32 A



		IP 44 Cat.Nos	Dimensions (mm) A	Dimensions (mm) B	IP 55 Cat.Nos	Dimensions (mm) A	Dimensions (mm) B
LV 16 A	2P+E	0 566 01	127	122	0 566 21	133	128
	3P+E	0 566 05	129	124	0 566 25	134	129
	3P+N+E	0 566 06	130	125	0 566 26	135	130
LV 32 A	2P+E	0 566 09	138	133	0 566 29	143	138
	3P+E	0 566 13	138	133	0 566 33	143	138
	3P+N+E	0 566 14	139	134	0 566 34	144	139

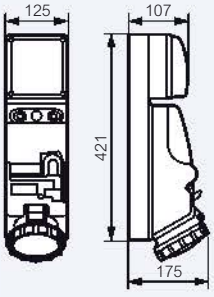
With empty Din rail
LV 16/32 A



	A	
	IP 44	IP 66
LV 16 A	290	300
LV 32 A	295	310

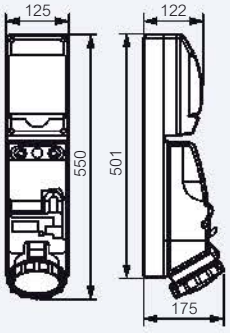
LV 63 A

Cat.Nos 0 572 98 and 0 589 10



LV 63 A

Cat.Nos 0 589 18 and 0 572 99



Hypra® IP 44 sockets and plugs metal, plastic, rubber, IP 44/55 Prisinter

LV 16 to 63 A and ELV 16 and 32 A

Conform to IEC 60309-1 and IEC 60309-2
IP 44 according to IEC 60529
IK 09: plastic and rubber
IK 10: metal according to IEC 62262
Self-extinguishing:
- 850°C (support of active parts) / 960 °C for Prinsinter)
- 650 °C: plastic housing conform to IEC 60695-2-10
- 50°C to + 100°C
(- 20°C for Prisinter)

Dimensions **p. 343**

			Prisinter[2]				**Panel mounting sockets**			**Surface mounting sockets**		**Through wiring surface mounting sockets**
			 Female connector		 Female connector		 Female connector			 Female connector		 Female connector
			Panel mounting sockets		**Surface mounting sockets**		metal	plastic	with single fixing centres	metal	plastic	plastic
LV			metal	plastic	metal	plastic						
200 to 250 V~ 50/60 Hz	**16 A**	**2P+E**	0 520 12	0 520 02	0 520 12 + 0 520 59	0 520 02 + 0 520 49	0 520 32	0 520 22(1)	0 520 18(1)	0 520 32 + 0 520 39	0 520 22(1) + 0 520 29(1)	520 22(1) + 0 520 89
	32 A	**2P+E**	-	0 527 02	-	0 527 02 + 0 529 49	0 527 32	-	0 527 18	0 527 32 + 0 529 39	0 527 18 + 0 529 40	0 527 18 + 0 529 90
380 to 415 V~ 50/60 Hz	**16 A**	**3P+E**	0 522 13	0 522 03	0 522 13 + 0 520 59	0 522 03 + 0 520 49	0 522 33	0 522 23(1)	0 522 19(1)	0 522 33 + 0 522 39(1)	0 522 23(1) + 0 522 29(1)	0 522 23(1) + 0 522 89
		3P+N+E	0 522 14	0 522 04	0 522 14 + 0 529 59	0 522 04 + 0 522 49	0 522 34	0 522 24(1)	0 522 20	0 522 34 + 0 522 39(1)	0 522 24(1) + 0 522 29(1)	0 522 24(1) + 0 522 89
	32 A	**3P+E**	0 529 13	0 529 03	0 529 13 + 0 522 59	0 529 03 + 0 529 49	0 529 33	-	0 529 19	0 529 33 + 0 529 39	0 529 19 + 0 529 40	0 529 19 + 0 529 90
		3P+N+E	0 529 14	0 529 04	0 529 14 + 0 522 59	0 529 04 + 0 529 49	0 529 34	-	0 529 20	0 529 34 + 0 529 39	0 529 20 + 0 529 40	0 529 20 + 0 529 90
	63 A	**3P+E**	0 538 00	0 536 03	0 538 00 + 0 538 09	0 536 03 + 0 537 49	0 538 33	0 538 23	-	0 537 33	0 537 23	0 538 23 + 0 538 89
		3P+N+E	0 538 01	0 536 04	0 538 01 + 0 538 09	0 536 04 + 0 537 49	0 538 34	0 538 24	-	0 537 34	0 537 24	0 538 24 + 0 538 89
ELV												
20 to 25 V~ 50/60 Hz	**16 A**	**2P**	-	-	-	-	-	0 524 01(1)	-	-	0 524 01(1) + 0 524 19(1)	-
	32 A	**2P**	-	-	-	-	-	0 525 01	-	-	0 525 01 + 0 524 19(1)	-

Pack = 1 except 1: pack = 5
2: Dust resistance IP may be increased by rubber push-button (on request) - IP 55 cover closed or connected - IP 44 connected

	Straight plugs			Angled plugs			Mobile sockets		Panel appliance inlets		Surface appliance inlets	
	 Male connector			 Male connector			 Female connector		 Male connector		 Male connector	
	metal	plastic	rubber	metal	plastic	rubber	plastic	rubber	metal	plastic	metal	plastic
	0 521 42	0 520 42(1)	0 520 52(1)	0 520 72	0 520 62(1)	0 521 52	0 520 82(1)	0 520 92	0 521 62	0 521 72	0 521 62 + 0 520 69	0 521 72 + 0 520 79
	-	0 527 42	0 527 52	0 527 72	0 527 62		0 527 82	0 527 92	0 528 62	0 528 72	0 528 62 + 0 529 69	0 528 72 + 0 529 79
	0 521 43	0 522 43(1)	0 522 53(1)	0 522 73	0 522 63(1)	0 521 53(1)	0 522 83(1)	0 522 93(1)	0 521 63	0 521 73	0 521 63 + 0 522 69	0 521 73 + 0 522 79
	0 521 44	0 522 44(1)	0 522 54	0 522 74	0 522 64	0 521 54	0 522 84	0 522 94	0 521 64	0 521 74	0 521 64 + 0 522 69	0 521 74 + 0 522 79
	0 528 43	0 529 43(1)	0 529 53(1)	0 529 73	0 529 63	0 528 53	0 529 83	0 529 93(1)	0 528 63	0 528 73	0 528 63 + 0 529 69	0 528 73 + 0 529 79
	0 528 44	0 529 44(1)	0 529 54	0 529 74	0 529 64	0 528 54	0 529 84	0 529 94	0 528 64	0 528 74	0 528 64 + 0 529 69	0 528 74 + 0 529 79
	-	0 538 43	0 538 53	0 538 73	-	0 538 63	0 538 83	0 538 93	-	0 537 73	-	0 537 73 + 0 538 79
	-	0 538 44	0 538 54	0 538 74	-	0 538 64	0 538 84	0 538 94	-	0 537 74	-	0 537 74 + 0 538 79
	-	0 524 21(1)	-	-	-	0 524 41(1)	0 524 81	0 524 61	-	-	-	-
	-	0 525 21	-	-	-	0 525 41	0 525 81	0 525 61	-	-	-	-

Mobile products dimensions
see e-catalogue

100 to 130 V~ and 480 to 500 V~ available on request
Please, consult us



Hypra® IP 66/67-55 plastic - increased safety

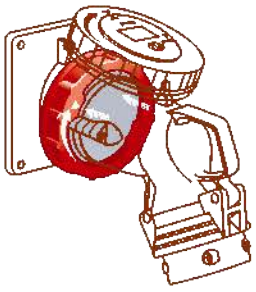
LV 16 to 125 A

63 A and 125 A easy connection disconnection

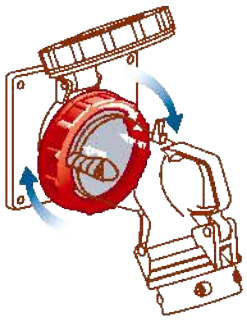
Conform to IEC 60309-1 and IEC 60309-2 IP according to IEC 60529 IK 09: Plastic Self-extinguishing: 850°C (support of active parts) / 650°C (plastic housing) Dimensions p. 344			FUNCTIONS									
			Panel mounting sockets		Surface mounting sockets	Through wiring surface mounting sockets	Straight plugs	Angled plugs	Mobile sockets	Surface appliance inlets	Straight panel appliance inlets	Socket with break isolating switch
												
LV			inclined outlets	with single fixing centres								
200 to 250 V~ 50/60 Hz	16 A	2P+E	0 511 26[1]	0 511 46	0 511 26 + 0 520 29[1]	0 511 26 + 0 520 89	0 511 56[1]	0 511 06	0 511 76	0 511 86	-	-
	32 A	2P+E	-	0 530 46	0 530 46 + 0 529 40	0 530 46 + 0 529 90	0 530 56	0 530 06	0 530 76	0 530 86	-	-
380 to 415 V~ 50/60 Hz	16 A	3P+E	0 511 30	0 511 50	0 511 30 + 0 522 29[1]	0 511 30 + 0 522 89	0 511 60[1]	0 511 10	0 511 80	0 511 90	-	-
		3P+N+E	0 511 31	0 511 51	0 511 31 + 0 522 29[1]	0 511 31 + 0 522 89	0 511 61[1]	0 511 11	0 511 81	0 511 91	-	-
	32 A	3P+E	-	0 530 50	0 530 50 + 0 529 40	0 530 50 + 0 529 90	0 530 60	0 530 10	0 530 80	0 530 90	-	-
		3P+N+E	-	0 530 51	0 530 51 + 0 529 40	0 530 51 + 0 529 90	0 530 61	0 530 11	0 530 81	0 530 91	-	-
	63 A	3P+E	0 594 27	-	0 594 37	0 594 27 + 0 538 89	0 594 47	-	0 594 87	-	0 594 77[2]	-
		3P+N+E	0 594 28	-	0 594 38	0 594 28 + 0 538 89	0 594 48	-	0 594 88	-	0 594 78[2]	-
	125 A	3P+E	0 595 12	-	0 595 02	-	0 595 22	-	0 595 32	-	0 595 42	0 591 14
		3P+N+E	0 595 13	-	0 595 03	-	0 595 23	-	0 595 33	-	0 595 43	0 591 15

Pack = 1 except 1: pack = 5
2: Can be fixed on Cat.No 0 538 89 to obtain a straight surface mounting appliance inlet

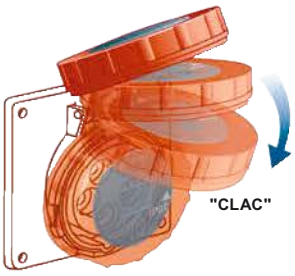
Complete range from 16 A to 125 A: IP 55 (minimum) guaranted



When connected: IP 55 guaranted with the cover closed on the plug (with a pair of Hypra IP 66/67-55 products)



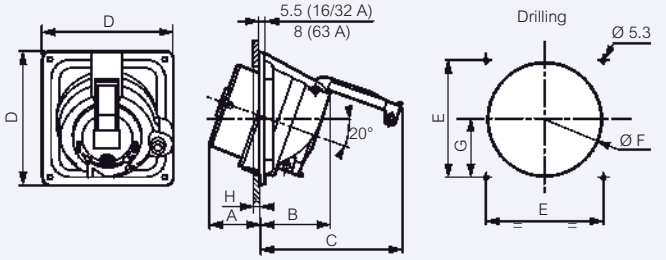
IP 66/67 obtained with the ring locked



When not connected IP 55 assured when cover is closed; IP 66/67 obtained with the ring locked

Prisinter - panel mounting sockets - LV 16-32-63 A (p. 340)

Terminal connection (max.)
BT 16 A : rigid - 1 x 4 mm²
BT 32 A : rigid - 1 x 10 mm²
BT 63 A : rigid - 1 x 25 mm²
Prisinter sockets 32 A : flexible - 1 x 6 mm²
Prisinter sockets 63 A : flexible - 1 x 16 mm²
Conform to EN 60309-1, NF EN 60309-2, IEC 60309-1 and IEC 60309-2
IK 09 : plastic and rubber
IK 10 : metal according to EN 62262 et IEC 62262
Self-extinguishing :
850 °C support of active parts, 950 °C for Prisinter
650 °C plastic honsing
- 50 °C à + 100 °C (- 20 °C for Prisinter)
Icc 10 kA according to EN 60309-1 and IEC 60309-1
Dust resistance IP may be increased by rubber push-button (on request)



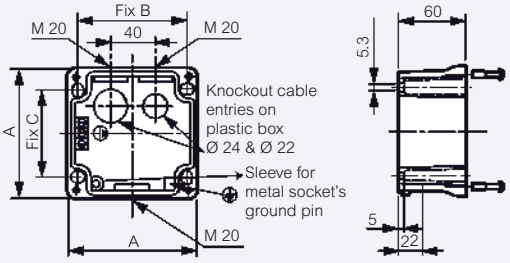
	Material	Weight (kg)	A	B	C	D	E	F min	F max	G	H max
16 A											
2P+E	Plastic	0.420	46	70	132	115	100	92	98	46	6 to 10
	Metal	1.250									
3P+E	Plastic	0.480	46	70	138	115	100	92	96	46	6 to 10
	Metal	1.330									
3P+N+E	Plastic	0.570	46	75	156	125	110	102	106	51.5	7
	Metal	1.470									
32 A											
2P+E	Plastic	0.570	54	77	153	143	125	115	122	58.5	10 to 20
	Metal	1.470									
3P+E	Plastic	0.610	54	77	153	143	125	115	122	58.5	10 to 20
	Metal	1.500									
3P+N+E	Plastic	0.650	55	79	169	143	125	119	122	58.5	9 to 13
	Metal	1.800									
63 A											
2P+E	Plastic	0.870	55	99	205	143	125	120	122	59.5	10 to 20
	Metal	1.500									
3P+E	Plastic	0.950	55	99	205	143	125	120	122	59.5	10 to 20
	Metal	1.850									
3P+N+E	Plastic	0.980	55	99	205	143	125	120	122	59.5	10 to 20
	Metal	2.200									

Breaking capacity 3 x 400 V~ according to IEC 60947-1-3

Category	16 A	32 A	63 A	Category	125 A	
AC 1	16 A	32 A	63 A	**AC 22 AC 23**	400 V	70 kW
AC 23	8.4 kW	16.8 kW	33 kW		500 V	87 kW
AC 3					600 V	120 kW

Reversible box for Prisinter sockets

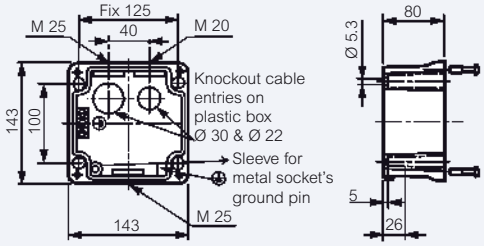
LV 16 A (p. 340)



3 entries among which
2 entries M20 sealed with B20P blanking plug for auxiliary contact use
Fitted with 2 connected earth terminals and 1 outside terminal on metal box

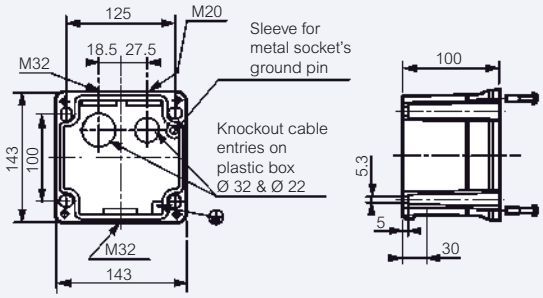
	Material	Weight (kg)	A (mm)	B (mm)	C (mm)
2P+E	Plastic	0.140	115	97	78
3P+E	Metal	0.800			
3P+N+E	Plastic	0.160	125	107	88
	Metal	0.900			

LV 32 A (p. 340)



3 entries among which
1 M20 sealed with B20P blanking plug for auxiliary contact
1 M25 sealed with B25P blanking plug
Fitted with 2 connected earth terminals and 1 outside terminal on metal box

LV 63 A (p. 340)



3 entries among which
1 M20 sealed with B20P blanking plug for auxiliary contact
1 M32 sealed with B32P blanking plug
Fitted with 1 outside earth terminal on metal box

Dust resistance IP can be increased by a rubber push-button,
On special request

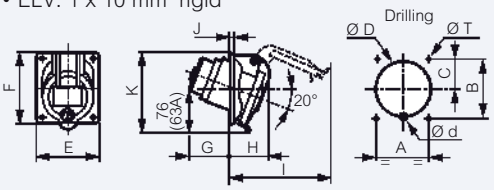


Dimensions

IP 44 - LV 16 to 63 A (p. 340) and ELV 16 and 32 A

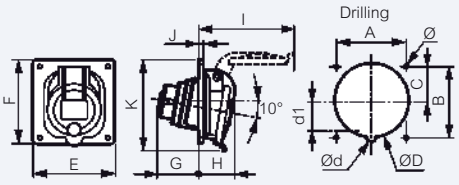
External screws in stainless steel - Nickel-plated contacts
Enable realization of surface mounting sockets, associated with reversible box

Terminal connection (max.):
- LV 16 A: 1 x 4 mm² rigid
- LV 32 A: 1 x 10 mm² rigid
- LV 63 A: 1 x 25 mm² rigid
- ELV: 1 x 10 mm² rigid



	Material	Weight (kg)	Drilling						Dimensions						
			A	B	C	ØD	Ød	ØT	E	F	G	H	I	J	K
LV - 16 A															
2P+E	Plastic	0.110	52	60	28	55	14.5	4.2	64	72	41	40	94	5.5	78.5
	Metal	0.340													
3P+E	Plastic	0.140	60	70	31	63.5	14.5	5.2	74	84	44	40	98	5.5	88
	Metal	0.405													
3P+N+E	Plastic	0.165	60	70	33	70.6	-	5.2	80	84	44	44	110	5.5	93
	Metal	0.450													
LV - 32 A															
2P+E/ 3P+E	Metal	0.605	70	80	38	76.2	10	5.2	84	94	50	53	120	5.5	103
3P+N+E	Metal	0.660	70	80	38	76.2	10	5.2	84	94	52	56	124	5.5	107
LV - 63 A															
2P+E	Plastic	0.600	77	85	-	92	-	6.5	106	106	98	70	160	6	129
	Metal	0.950													
3P+E	Plastic	0.640													
	Metal	1.000													
3P+N+E	Plastic	0.700													
	Metal	1.200													
ELV-16/32 A															
2P	Plastic	0.120	52	60	30	55	-	4.2	64	72	33	47	94	5.5	78.5

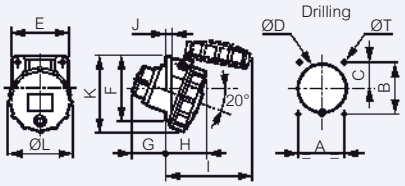
IP 44 - LV 16 and 32 A with single fixing centres (p. 340)



	Weight (kg)	A	B	C	ØD	Ød	d1	E	F	G	H	I	J	K	Ø
LV 16 A															
2P+E	0.110	70	70	35	76.2	/	/	84	84	37	36	89	4.5	88	4.2
3P+E	0.140	70	70	35	76.2	/	/	84	84	43	36	97	4.5	89	4.2
3P+N+E	0.165	70	70	35	76.2	/	/	84	84	43	37	106	4.5	91	4.2
LV - 32 A															
2P+E/ 3P+E	0.220	70	70	35	76.2	–	–	84	94	54	45	117	4.5	100	4.2
3P+N+E	0.255	70	70	35	76.2	8	36	84	94	54	46	125	4.5	102	4.2

IP 66/67-55 - LV 16 A (p. 342)

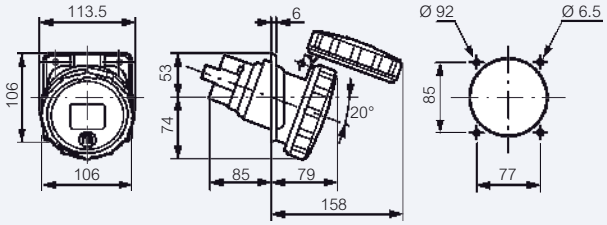
External screws in stainless steel - Nickel-plated contacts
Terminal connection (max.): 1 x 4 mm² rigid or flexible



	Weight (kg)	Drilling					Dimensions							
		A	B	C	ØD	ØT	E	F	G	H	I	J	K	L
LV - 16 A														
2P+E	0.140	52	60	33	55	4.2	64	72	40	45	91	5.5	87	72.5
3P+E	0.165	60	70	39	63.5	5.2	74	84	41	48	102	5.5	96	81
3P+N+E	0.195	60	70	37	70.6	5.2	80	84	42	50	106	5.5	96	86.5

IP 66/67-55 - LV 63 A (p. 342)

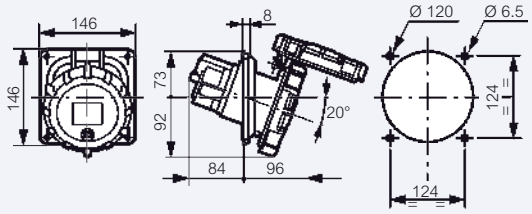
Terminal connection (max.): 1 x 25 mm² rigid



	Weight (kg)
2P+E	0.680
3P+E	0.710
3P+N+E	0.770

IP 66/67-55 - LV 125 A (p. 342)

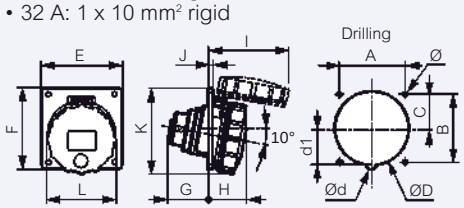
Terminal connection (max.): 1 x 70 mm² rigid



	Weight (kg)
3P+E	1.400
3P+N+E	1.550

IP 66/67-55 - LV 16 and 32 A with single fixing centres (p. 342)

Terminal connection (max.):
- 16 A: 1 x 4 mm² rigid
- 32 A: 1 x 10 mm² rigid

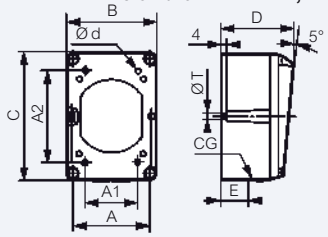


	Weight (kg)	Drilling							Dimensions (mm)							
		A	B	C	ØD	Ød	d1	Ø	E	F	G	H	I	J	K	ØL
LV 16 A																
2P+E	0.140	70	70	35	76.2	-	-	4.2	84	84	42	39	83	4.5	90	72.5
3P+E	0.165	70	70	35	76.2	-	-	4.2	84	84	43	41	98	4.5	93	81
3P+N+E	0.195	70	70	35	76.2	-	-	4.2	84	84	43	41	99	4.5	91	86.5
LV 32 A																
2P+E	0.240	70	70	35	76.2	-	-	4.2	84	94	54	50	113	4.5	101	94.5
3P+E	0.240	70	70	35	76.2	-	-	4.2	84	94	54	50	113	4.5	101	94.5
3P+N+E	0.270	70	70	35	76.2	8	36	4.2	84	94	54	51	120	4.5	103	101

Hypra® IP 44, IP 66/67-55 surface mounting sockets reversible box

Dimensions

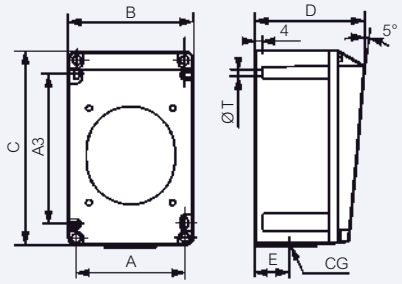
IP 44 ELV 16 and 32 A - IP 44, IP 66/67-55 - LV 16 A (p. 340, 342)



Fix A1 and A2:
Blind optional fixing points
Metal boxes fitted with
- 2 connected earth terminals and 1 outside terminal
- 1 sleeve for metal socket's ground pin

Surface mounting sockets → / Panel mounting sockets ↓	Material	Weight (kg)	Drilling					Dimensions				CG cable gland
			A1	A2	Ød	A	ØT	B	C	D	E	
IP 44 - ELV 16/32 A												
2P+E	Plastic	0.115	51	68	4.2	64	5.3	74	106	58	20	M 25
IP 44 and IP 66/67-55 - LV 16 A												
2P+E	Plastic	0.115	51	68	4.2	64	5.3	74	106	58	20	M 20
	Metal	0.400										
3P+E/ 3P+N+E	Plastic	0.160	68	68	4.2	85	5.3	96	122	60	22	M 20
	Metal	0.520										

IP 44, IP 66/67-55 - LV 32 A (p. 340, 342)



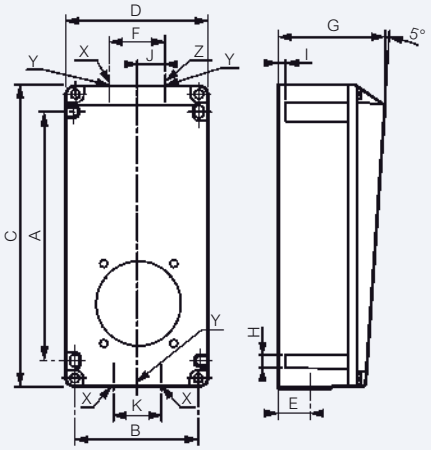
Blind optional fixing points
Metal boxes fitted with
- 2 connected earth terminals and 1 outside terminal
- 1 sleeve for metal socket's ground pin

Surface mounting sockets → / Panel mounting sockets ↓	Material	Weight (kg)	Drilling			Dimensions				CG cable gland
			A	A3	ØT	B	C	D	E	
IP 44 and IP 66/67-55 - LV 32 A										
2P+E/ 3P+E/ 3P+N+E	Plastic	0.340	90	125	5.3	102	162	90	26	M 25
	Metal	0.910								

Hypra® IP 44, IP66/67-55 and IP 66/67 through wiring surface mounting sockets

Dimensions

IP 44 - LV 16 to 63 A, IP 66/67-55 - LV 16 and 32 A, IP 66/67 - LV 63 A (p. 340, 342)



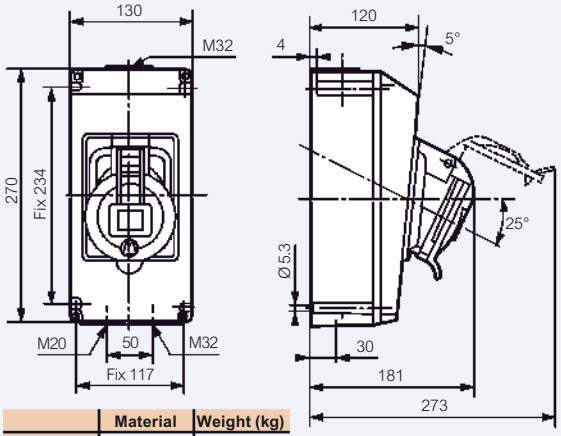
Surface mounting sockets → / Panel mounting sockets ↓	Material	Weight (kg)	Drilling			Dimensions												
			A	B	H	C	D	E	F	G	I	J	K	X	Y	Z		
16 A																		
2P+E	Plastic	0.330	145	74	5.3	182	86	22	34	75	4	-	-	-	M 20			
	Metal	0.830																
3P+E/ 3P+N+E	Plastic	0.440	175	88	5.3	212	100	22	40	77	4	-	-	-	M 20	-		
	Metal	0.980																
32 A																		
2P+E/ 3P+E/ 3P+N+E	Plastic	0.670	234	117	5.3	270	130	30	50	120	4	-	-	-	M 25	-		
	Metal	1.730																
63 A (Panel appliance inlets 63 A can be fixed)																		
2P+E/ 3P+E/ 3P+N+E	Plastic	2.000	260	152	6.3	300	170	40	-	150	8	50	70	M 32	-	M 20		
	Metal	4.300		157														

Hypra® IP 44 and IP 66/67-55 surface mounting sockets

External screws in stainless steel - Nickel-plated contacts

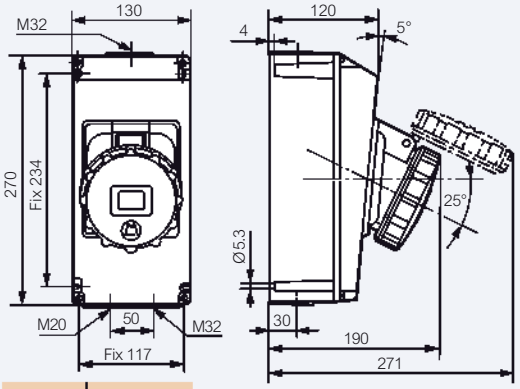
IP 44 - LV 63 A (p. 340)

Terminal connection: 1 x 25 mm² rigid max.



	Material	Weight (kg)
3P+E	Plastic	1.45
	Metal	4.95
3P+N+E	Plastic	1.5
	Metal	5

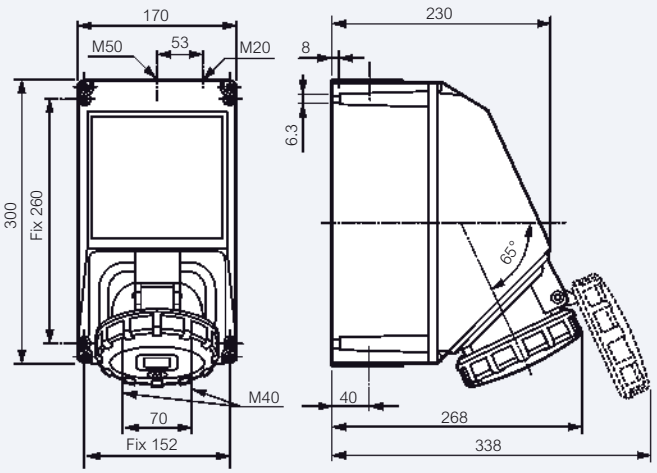
IP 66/67-55 - LV 63 A (p. 342)



	Weight (kg)
2P+E	1.500
3P+E	1.550
3P+N+E	1.600

IP 66/67-55 - LV 125 A (p. 342)

Terminal connection: 1 x 70 mm² rigid max.



	Weight (kg)
3P+E	3.5
3P+N+E	3.7

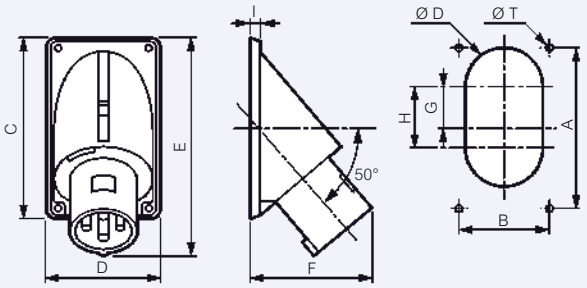
Hypra® IP 44 - panel appliance inlets and reversible boxes

External screws in stainless steel - Nickel-plated contacts

Panel appliance inlets (inclined)

IP 44: LV 16, 32 and 63 A (p. 340)

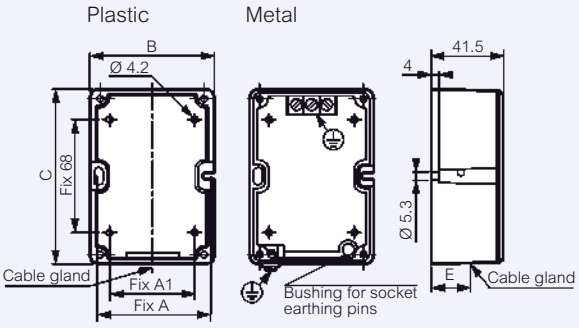
Terminal connections:
- 16 A: 1 x 2.5 mm² max. rigid
- 32 A: 1 x 6 mm² max. rigid
- 63 A: 1 x 25 mm² max. rigid



	Material	Weight (kg)	Drilling					Dimensions					
			A	B	ØT	ØD	G	H	C	D	E	F	I
LV - 16 A													
2P+E	Plastic	0.140	94	62	4.5	40	-	-	104	72	121	78	6
	Metal	0.530											
3P+E	Plastic	0.160	109	83	4.5	40	-	-	120	94	135	86	6
	Metal	0.630											
3P+N+E	Plastic	0.190									139		
	Metal	0.690											
LV - 32 A													
2P+E/ 3P+E	Plastic	0.280	149	90	5.5	40	-	-	160	101	176	111	6
	Metal	0.950											
3P+N+E	Plastic	0.320									174	108	
	Metal	1.000											
LV - 63 A													
2P+E	Plastic	0.560	163	93	6.5	80	42	62	183	113	221	120	8
3P+E	Plastic	0.630											
	Metal	2.230											
3P+N+E	Plastic	0.690											
	Metal	2.450											

Reversible boxes for surface appliance inlets

LV 16 A (p. 340)



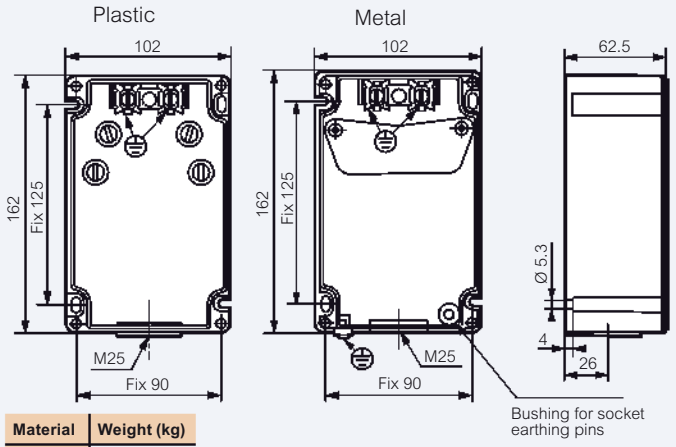
Fix A1 and Fix 68 :
Blind optional fixing points

	Material	Weight (kg)	A	A1	B	C	E	Cable gland
2P+E	Plastic	0.085	64	51	74	106	20	M20
	Metal	0.250					22	
3P+E	Plastic	0.110	85	68	96	122	22	M20
3P+N+E	Metal	0.360						

Hypra® IP 44 and IP 66/67-55 - appliance inlets and reversible boxes

LV 32 A (p. 340)

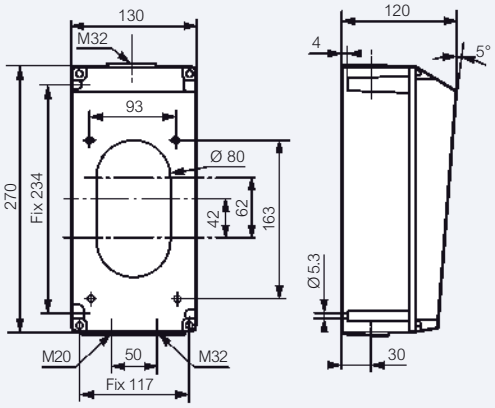
Fitted with 2 connected earth terminals and 1 outside terminal on metal box



Material	Weight (kg)
Plastic	0.240
Metal	0.650

LV 63 A (p. 340)

Fitted with 2 connected earth terminals and 1 outside terminal on metal box



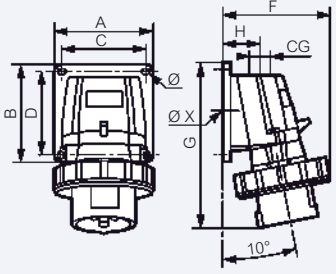
Material	Weight (kg)
Plastic	0.670
Metal	1.730

Surface mounting appliance inlets

IP 66/67-55 - LV 16 and 32 A (p. 342)

Terminal connections:

- 16 A: 1 x 2.5 mm² max. rigid
- 32 A: 1 x 6 mm² max. rigid



	Weight	A/B	C/D	F	G	H	CG cable gland	Ø	ØX
16 A									
2P + E	0.188	84	72	87	126	34	M 20	4.3	17
3P + E	0.257			95	134				
3P+N+ E	0.297			100	141				
32 A									
2P + E	0.370	110	98	107	168	39	M 25	5.3	24
3P + E									
3P+N+ E	0.413			113					

Hypra® IP 66/67-55 - appliance inlets and sockets with break isolating switch

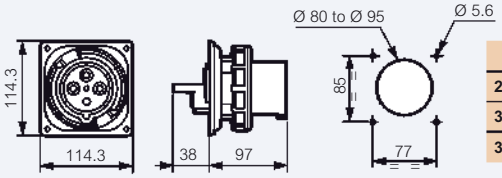
Panel mounting appliance inlets

External screws in stainless steel - Nickel-plated contacts

IP 66/67-55 - 63 A (p. 342)

Can be fixed on box Cat.No 0 538 89 (p. 340)

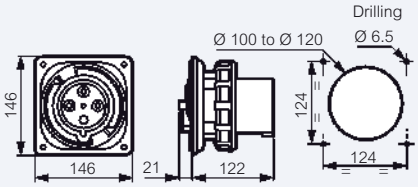
Terminal connection: 1 x 16 mm² max. rigid



	Weight (kg)
2P+E	0.490
3P+E	0.548
3P+N+E	0.610

IP 66/67-55 - 125 A (p. 342)

Terminal connection: 1 x 50 mm² max. rigid

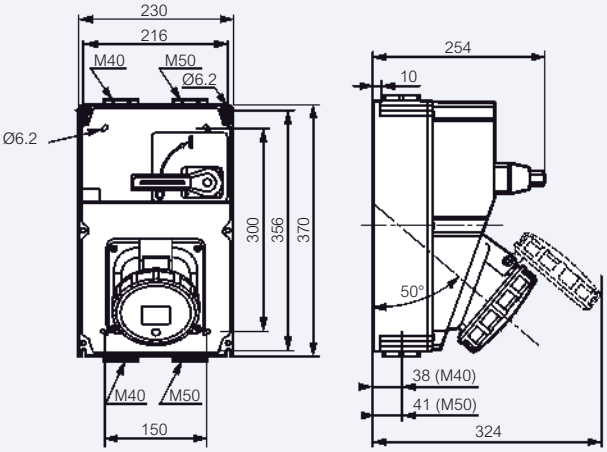


	Weight (kg)
3P+E	1.000
3P+N+E	1.150

Socket with break isolating switch

IP 66/67-55 - LV 125 A (p. 342)

IP 67 according to IEC and EN 60529
Icc 10 kA according to IEC and EN 60309-1
Panel mounting sockets: IK 09 according to IEC and EN 62262
External screws in stainless steel



Bells for industrial and alarm use



0 414 62



0 413 49



0 414 19

Pack	Cat.Nos	Class I				
		Double insulated Polyester corrosion resistant finish 200 hours maxi. continuous rating				
		IP 44 - IK 10 - Direct current version				
		Ø150 mm gong				
	RAL 3000 Red	Voltage ⎓	Average Consumption (mA)	Average acoustic output at 1 m (dB)	Weight (kg)	
1	0 414 62	24 V	70	90	1	
		IP 40 - IK 08 - 50/60 Hz - Alternating current version				
		Ø100 mm gong				
	RAL 7037 Grey	Voltage ∿	Consumption (mA)	Average acoustic output at 1 m (dB)	Weight (kg)	
1	0 413 49	230 V	50	95	0.8	
		IP 44 - IK 10				
		Ø150 mm gong				
1	0 414 16	24V	360	98	1	
1	0 414 18	110/130 V	90	98	1	
1	0 414 19	230 V	50	98	1	
		IP 44 - IK 10				
		Ø250 mm gong				
1	0 414 39	230 V	70	98	2.1	

Electromechanical sirens



0 415 23



0 415 33 with claws

Technical characteristics **p. 349**

Pack	Cat.Nos	Industrial warning devices 110 dB IP 20 - IK 08	
		Frequency 350/400 Hz, continuous sound Operates intermittently: 1 min on / 10 min off	Consumption in mA
1	0 415 20	24 V∿ and = power supply	820
1	0 415 23	230 V∿ power supply	120

Electromechanical sirens IP 30 - IK 05

Supplied with screws for semi-flush mounting

D.C. current

Pack	Cat.Nos	Voltage ⎓	Power (W)	Consumption (mA)	Average acoustic output at 1 m (dB)	Weight (kg)	Max. continuous rating (hr)
1	0 415 32	12 V	11	889	98	0.2	200
1	0 415 33	24 V	12	516	100	0.2	200

A.C. current - 50/60 Hz

Pack	Cat.Nos	Voltage ∿	Power (W)	Consumption (mA)	Average acoustic output at 1 m (dB)	Weight (kg)	Max. continuous rating (hr)
1	0 415 36	24 V	12.5	531	100	0.2	200
1	0 415 38	110 V	70	400	105	0.35	100
1	0 415 39	230 V	57	250	105	0.35	100

Pack	Cat.Nos	Multi-sound electronic sirens
		97 to 106 dB 16 electronic sounds possible for identification of each defined event Easy to identify and select sounds for each appliance using coded wheel Adjustable sound level
1	0 415 45	230 V∿ , IP 44 - IK 07

Illuminated signalling



0 413 08



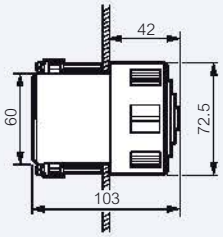
0 413 14

Pack	Cat.Nos		Consumption (mA)
		Rotating lights	
		Halogen lamp 20 W (supplied) Light intensity: 1 500 Cd (p) Screw-mounting Dim.: height 185 mm, Ø140 mm IP 65 - IK 10	
1	0 413 08	230 V∿ , orange	100
		Halogen lamp	
10	0 413 62	BA9 S H 12 V - 20 W: rotating lights Cat.No 0 413 08	
		LEDs flashing light	
		LED light intensity equivalent to Xenon lamp 2 joules Screw-mounting Dim.: height 185 mm, Ø140 mm IP 65 - IK 10	
1	0 413 57	230 V∿ , red	60
		Blinking or steady lights **Environmental high quality LEDs**	
		Screw-mounting Dim. height: 85 mm, Ø105 mm Equipped with 16 LEDs Ø5 mm, high brightness, low consumption Light intensity: 55 Cd(p)	
		Colour and voltage (∿)	
1	0 413 09	Orange, 12/24 V∿/⎓	300
1	0 413 13	Red, 12/24 V∿/⎓	300
1	0 413 10	Orange, 230 V∿	20
1	0 413 14	Red, 230 V∿	20

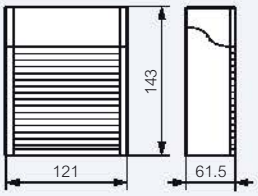
Electromechanical sirens

Dimensions

Electromechanical sirens
Cat.Nos 0 415 32/33/36/38/39

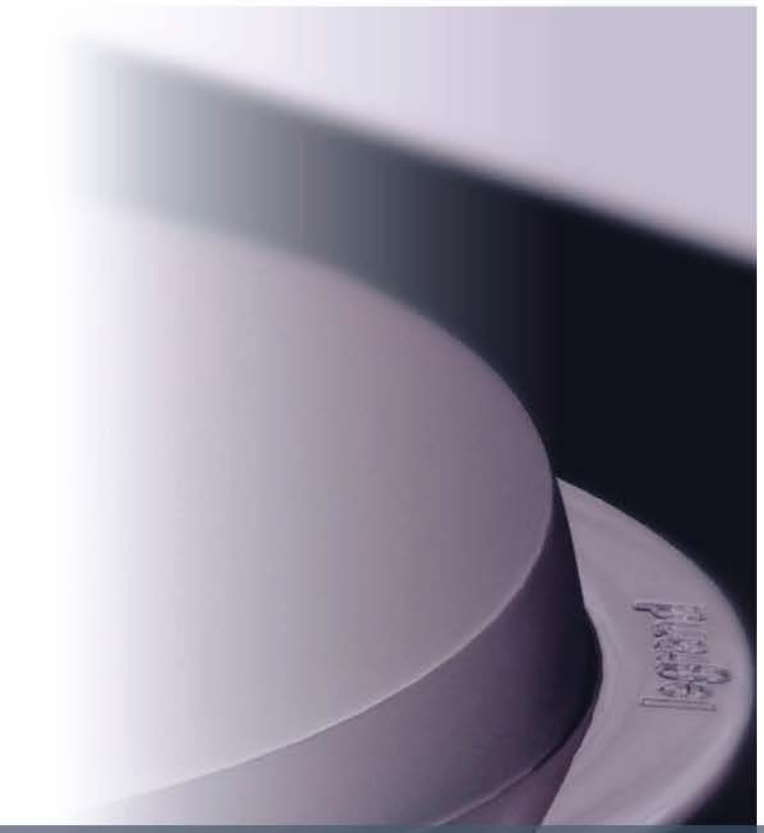


Multi-sound electronic sirens
Cat.No 0 415 45



Selection chart of sounds (Cat.No 0 415 45)

Type of signal	Exemple of application	Position of code	Sound level (in Db at 1m) max.	Sound level (in Db at 1m) min.	Frequency in Hz	Consumption in mA
Danger	Moving equipment or vehicle	0	98	68	2400 to 2800	70
		1	102	73	1000 to 1500	45
	Interruption of a dangerous manufacturing process	2	98	70	2400 to 2800	75
		3	98	70	2400 to 2800	50
		4	99	72	2400 to 2800	100
		5	104	75	2400 to 2800	100
Defect	Interruption of a non-dangerous manufacturing process	6	102	70	1000 to 1500	30
		7	97	68	1000 to 1500	30
		8	101	73	1000 to 1500	50
		9	101	73	1000 to 1500	50
		A	102	74	1000 to 1500	30
Miscellaneous	Access to a school, a work shop	B	99	70	554	20
		C	102	74	3000	100
Evacuation	Fire	D	98	69	440 to 554	20
Intrusion	Inside alarm	E	106	81	3200 / 3700	130
	Outside alarm	F	104	77	1400 / 1600	50



ARTEOR WIRING ACCESSORIES

Mechanisms



P. 360
Mechanical switches



P. 367
Lighting control, emergency push-buttons



P. 372
USB chargers



P. 378
Adaptors for data sockets and USB data sockets

Support frames and plates



P. 385
International support frames

Hotel equipment



NEW
P. 395
BUS/SCS devices

NEW PRODUCTS 2014



Universal dimmers
(p. 364)



Hotel equipment
BUS/SCS wiring accessories
(p. 395)


P. 362
Electronic switches

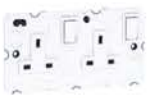

P. 363
Push-buttons


NEW
P. 364
Dimmers


P. 366
Automatic switches and visual indication


P. 367
DP switches, cooker control units


P. 368
Ventilation, heating and roller blinds control RCBO and MCB


P. 369
British standard socket outlets


P. 370
International socket outlets


P. 374
Television and telephone sockets


P. 375
RJ 45 sockets and data sockets


P. 376
Data sockets, wiring splitter and Ethernet switches


P. 377
Wi-Fi access points


P. 379
Attenuators and loudspeaker sockets


P. 381
Audio and video sockets


P. 383
Blanking plates and mounting boxes


P. 386
British standard plates


P. 388
Italian/US standard plates


P. 390
American and South African standard plates

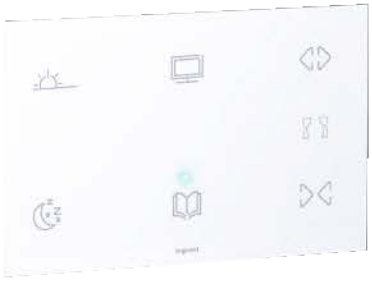

P. 392
German and French standard plates


NEW
P. 396
KNX devices


P. 397
Wiring devices


P. 398
Square version mechanisms


P. 399
Round version mechanisms



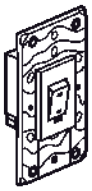
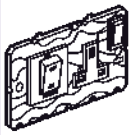
Hotel equipment

KNX wiring accessories

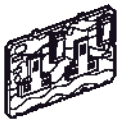
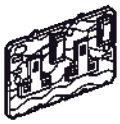
(p. 396)

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
SWITCHES 10 AX - 250 V~			
	**1-way switch 2-way switch Intermediate switch**	5 720 04 5 720 05 5 720 08	5 725 04 5 725 05 5 725 08
	**1-way switch**	5 724 50	
	**2-way switch with indicator To be equipped with LED**	5 720 06	5 725 06
	**1-way switch 2-way switch Intermediate switch**	5 720 34 5 720 35 5 720 38	5 725 34 5 725 35 5 725 38
	**2-way switch with indicator To be equipped with LED**	5 720 36	5 725 36
	**2-way switch with indicator and label-holder To be equipped with LED**	5 720 37	5 725 37
	**Double pole switch**	5 720 40	5 725 40
SWITCHES 20 AX - 250 V~			
	**1-way switch 2-way switch**	5 720 09 5 720 10	5 725 09 5 725 10
	**2-way switch with indicator To be equipped with LED**	5 720 11	5 725 11
	**1-way - double pole switch**	5 720 13	5 725 13
	**Double pole switch**	5 724 51	
	**1-way - double pole switch with indicator - Red LED supplied**	5 720 14	5 725 14
	**1-way switch**	5 720 41	5 725 41
	**1-way switch - 3 gang 2 x 2-way switch + 1-way switch 3 gang**	5 720 43 5 720 44	5 725 43 5 725 44
	**2-way switch with indicator To be equipped with LED**	5 720 42	5 725 42
	**1-way - Double pole switch 2-way - Double pole switch**	5 720 46 5 720 48	5 725 46 5 725 48
	**1-way - double pole switch with indicator - Red LED supplied**	5 720 47	5 725 47
	**1-way - double pole switch with indicator and "WATER HEATER" marking - Red LED supplied**	5 720 49	5 725 49

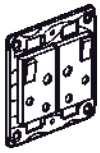
Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
SENSITIVE SWITCH 100/240 V~			
	**For controlling light sources by simply passing the hand in front of the switch**	5 720 51	5 734 55
PUSH-BUTTONS 6 A - 250 V~			
	**1-way push-button 2-way push-button**	5 720 00 5 720 01	5 725 00 5 725 01
	**1-way push-button with bell symbol**	5 720 15	5 725 15
	**2-way push-button with locator Equipped with blue LED**	5 720 02	5 725 02
	**2-way push-button with label-holder**	5 720 03	5 725 03
	**Push-button with locator and bell symbol Equipped with blue LED**	5 720 16	5 725 16
	**1-way push-button 2-way push-button**	5 720 30 5 720 31	5 725 30 5 725 31
	**1-way push-button with bell symbol**	5 720 56	5 725 56
	**2-way push-button with locator Equipped with blue LED**	5 720 32	5 725 32
	**2-way push-button with label-holder**	5 720 33	5 725 33
DIMMERS 100/240 V~ - 50/60 Hz			
	**Leading edge dimmer Without neutral - 400 W Rotary dimmer**	5 722 13	5 727 13
	**Universal dimmer Without neutral - 400 W**	5 722 39	5 727 39

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
DOUBLE POLE SWITCHES 250 V~			
	**DP switch 40 A** **DP switch 40 A + neon**	5 720 81 5 720 82	5 725 81 5 725 82
	**DP switch 45 A + neon** **2 gang**	5 720 80	5 725 80
	**DP switch 45 A + neon** **1 gang**	5 720 87	5 725 87
COOKER CONTROL UNIT			
	**45 A DP switch**	5 720 88	-
LIGHTING CONTROL			
	**Time delay switch**	5 720 55	5 740 84
	**Single pole latching relay**	5 722 27	5 727 27
EMERGENCY STOP MUSHROOM HEAD PUSH-BUTTONS			
	**Emergency stop mushroom head with key**	5 723 63	-
	**Emergency stop mushroom head 1/4 turn**	5 723 62	-

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
VISUAL INDICATION			
	**Miniature emergency lighting unit**	5 722 22	-
	**Illuminated lighting unit**	5 724 52	-
	**Overdoor lighting unit** **- red diffuser** **- white diffuser**	 5 724 53 5 722 23	 - -
VENTILATION AND HEATING CONTROLLER			
	**Fan controller - AC speed control** **4 positions**	5 722 17	5 727 17
	**Rotary speed controller for fan** **40 to 400 VA**	5 722 18	5 727 18
	**Fan step regulator - 100 W**	5 722 15	5 727 15
	**Electronic room thermostat**	5 722 03	5 727 03
	**Thermostat for electronic floor heating**	5 722 63	5 727 63
ROLLER BLINDS CONTROL			
	**Double push-button - 10 A**	5 722 19	5 727 19
	**Double switch - 10 A**	5 722 20	5 727 20

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
BRITISH STANDARD SOCKET OUTLETS			
	**2P+E - 5 A**	5 721 10	5 726 10
	**2P+E - 13 A**	5 721 11	5 726 11
	**2P+E switched - 13 A**	5 721 30	5 726 30
	**2P+E switched dedicated non standard pin - 13 A**	5 724 67	
	**2P+E switched - 15 A**	5 721 32	5 726 32
	**2P+E single pole socket 13 A - 1 gang** **switched** **switched + neon**	5 721 43 5 721 44	5 726 43 5 726 44
	**2P+E single pole socket 13 A - 2 gang** **switched** **switched + neon**	5 721 45 5 721 46	5 726 45 5 726 46
	**2P+E double pole switched socket 5 A - 1 gang**	5 721 40	5 726 40
	**2P+E double pole switched socket 13 A - 1 gang**	5 721 47	5 726 47
	**2P+E double pole switched socket 13 A - 2 gang**	5 721 49	5 726 49
	**2P+E double pole switched socket 13 A - 2 gang** **switched for standard and clean earth applications**	5 721 41	

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
FUSED CONNECTION UNITS			
	**DP fused 13 A** **switched** **switched + neon**	5 721 50 5 721 51	5 726 50 5 726 51
GERMAN STANDARD SOCKET OUTLETS			
	**2P+E - 16 A**	5 721 18	5 726 18
	**2P+E - 16 A - dedicated red**	5 724 63	
	**2P+E - 16 A - dedicated green**	5 724 62	
	**2P+E - 16 A - dedicated orange**	5 724 60	
	**2P+E with cover - 16 A**	5 721 19	5 726 19
EURO-US TYPE SOCKET OUTLETS			
	**2P**	5 721 04	5 726 04
	**2P+E**	5 721 16	5 726 16
	**2 x 2P+E**	5 721 33	5 726 33

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
AMERICAN TYPE SOCKET OUTLETS			
	**2P**	5 721 05	5 726 05
	**2P+E**	5 721 17	5 726 17
	**2 x 2P+E**	5 721 34	5 726 34
SOUTH AFRICAN TYPE SOCKET OUTLETS			
	**2P+E switched**	5 721 32	5 726 32
	**2P+E dedicated switched**	5 724 65	
	**2 x 2P+E switched - 2 gang - pre-wired**	5 720 22	5 725 22
MULTISTANDARD SOCKET OUTLETS			
	**Unswitched**	5 721 23	5 726 23
	**Switched**	5 721 35	5 726 35
ITALIAN TYPE SOCKET OUTLETS			
	**2P+E on line - 10 A**	5 721 01	5 726 01
	**2P+E shuttered for child safety 10/16 A**	5 721 03	5 726 03
SWISS TYPE SOCKET OUTLETS			
	**2P+E - 10/16 A - type 12**	5 721 02	-
	**2P+E - 10 A - type 13**	5 721 15	-

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
AUSTRALIAN TYPE SOCKET OUTLETS			
	**2P+E auto switched - 10 A**	5 721 14	5 726 14
	**2P+E - 10/15 A**	5 721 12	5 726 12
ISRAEL TYPE SOCKET OUTLETS			
	**2P+E shuttered for child safety**	5 721 24	5 726 24
CHINA TYPE SOCKET OUTLETS			
	**2P+E - 10 A** **2P+E - 16 A**	5 721 13 5 721 21	5 726 13 5 726 21
	**2P+E China + 2P Euro-US - 10 A**	5 721 31	5 726 31
ELV SOCKET OUTLETS			
	**2P - 3A**	5 721 00	5 726 00
FRENCH STANDARD SOCKET OUTLETS			
	**2P shuttered for child safety - 10/16 A**	5 720 20	5 725 20
	**2P+E shuttered for child safety - 10/16 A**	5 720 21	5 725 21
	**2P+E tamperproof**	5 724 66	
	**Tamperproof insert**	0 502 99	

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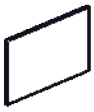
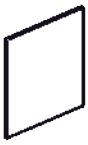
selection of the "best sellers" data socket outlets

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
RJ 45 SOCKETS - CAT. 6A			
	STP	5 723 06	5 728 06
	STP - with green shutter	5 723 52	5 728 52
	STP - with orange shutter	5 723 51	5 728 51
	STP - with controlled access	5 723 50	5 728 50
	UTP	5 723 49	5 728 49
	UTP - with green shutter	5 723 59	5 728 59
	UTP - with orange shutter	5 723 58	5 728 58
	UTP - with controlled access	5 723 57	5 728 57
RJ 45 SOCKETS - CAT. 6			
	STP shielded	5 723 23	5 728 23
	STP shielded	5 723 17	5 728 17
	UTP	5 723 02	5 728 02
	UTP - with green shutter	5 723 55	5 728 55
	UTP - with orange shutter	5 723 54	5 728 54
	UTP	5 723 14	5 728 14
	UTP - with controlled access	5 723 53	5 728 53
	UTP retractable RJ 45	5 723 39	5 728 39

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
RJ 45 SOCKETS - CAT. 6 (continued)			
	FTP	5 723 22	5 728 22
	FTP	5 723 16	5 728 16
RJ 45 SOCKETS - CAT. 5E			
	UTP	5 723 03	5 728 03
	UTP	5 723 15	5 728 15
	FTP	5 723 04	5 728 04
REAR PLUGGABLE RJ 45 SOCKETS			
	Cat. 6 - UTP Cat. 6 - FTP	5 723 31 5 723 33	5 728 31 5 728 33
	Cat. 5e - UTP Cat. 5e - FTP	5 723 30 5 723 32	5 728 30 5 728 32
TELEPHONE/ETHERNET WIRING SPLITTERS			
	FTP double connector	5 723 36	5 728 36
	UTP double connector	5 723 35	5 728 35
TELEVISION SOCKETS			
	TV-R-SAT socket	5 721 72	5 726 72
	TV-R socket	5 721 70	5 726 70
	TV single shielded male Ø9.5 mm	5 721 71	5 726 71
	TV single shielded "F" type	5 721 63	5 726 63

Mechanisms supplied with white or magnesium square rocker plate, to be equipped with support frames and plates (p. 358)		White	Magnesium
TELEPHONE SOCKETS			
	**RJ 11 - 4 contacts**	5 723 00	5 728 00
	**RJ 11 - 4 contacts**	5 723 13	5 728 13
	**RJ 12 - 6 contacts**	5 723 12	5 728 12
	**Single master**	5 723 10	5 728 10
	**Single secondary**	5 723 01	5 728 01
BLANK MODULES			
	**1 module**	5 723 41	5 728 41
	**2 modules**	5 723 42	5 728 42
	**3 modules**	5 723 43	5 728 43
CABLE OUTLETS			
	**20 A - for junction**	5 723 20	-
	**45 A - BS 1 gang**	5 723 21	-
CORD OUTLETS			
	**1 module - with ∅8 mm entry**	5 723 07	-
	**2 modules**	5 723 19	-

BLANKING COVER PLATES		White	Magnesium
BRITISH STANDARD			
	**For 1 gang box** **White** **Pearl Alu** **Graphite**	5 751 30 5 751 31 5 751 32	
	**For 2 gang box** **White** **Pearl Alu** **Graphite**	5 751 40 5 751 41 5 751 42	
ITALIAN/US STANDARD			
	**For 2" x 4" boxes** **White** **Pearl Alu** **Graphite**	5 754 10 5 754 11 5 754 12	
US STANDARD			
	**For 4" x 4" boxes** **White** **Pearl Alu** **Graphite**	5 753 60 5 753 61 5 753 62	

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selection of the "best sellers" plates

Number of modules per mechanism	Flush-mounting boxes	Support frames	Plates	PLATES			
				Neutral			Tattoo
				White	Pearl Alu	Graphite	Edition 1
BRITISH STANDARD - 60.3 MM FIXING CENTRES							
1 module	1 gang	5 760 03		5 752 00	5 752 01	5 752 02	5 761 08
2 modules and 1.2" touch screen		5 760 03		5 752 10	5 752 11	5 752 12	5 761 28
3 modules - 1 gang	1 gang	5 760 01		5 751 60	5 751 61	5 751 62	5 761 88
3 modules and shaver sockets	2 gang	5 760 02		5 750 70	5 750 71	5 750 72	5 761 68
4 modules	2 gang	5 760 00		5 750 80	5 750 81	5 750 82	5 761 48
6 modules	6 890 36	Supplied with support frame		5 753 70	5 753 71	5 753 72	5 763 78
8 modules	6 890 38	Supplied with support frame		5 767 00	5 767 01	5 767 02	5 767 18
2 x 6 modules	6 890 28	Supplied with support frame		5 753 90	5 753 91	5 753 92	-
3 x 6 modules	0 818 56	Supplied with support frame		5 754 00	5 754 01	5 754 02	-
For 5 A/13 A switched socket outlet - 1 gang	-	Not needed		5 750 90	5 750 91	5 750 92	5 762 18
For 13 A twin Switched socket outlet - 2 gang	-	Not needed		5 751 00	5 751 01	5 751 02	5 762 08
For 13 A fused connection unit switched	-	Not needed		5 751 20	5 751 21	5 751 22	5 761 98
For cooker unit Cat.No 5 720 88	-	Not needed		5 751 50	-	-	-
Blanking cover plate	1 gang	5 760 03 5 760 01		5 751 30	5 751 31	5 751 32	-
	2 gang	5 760 02		5 751 40	5 751 41	5 751 42	-
ITALIAN OR US STANDARDS - 83.5 MM FIXING CENTRES							
1 module	0 800 49	5 760 40		5 752 20	5 752 21	5 752 22	5 764 18
2 modules and 1.2" touch screen	0 800 49	5 760 40		5 752 30	5 752 31	5 752 32	5 764 38
3 modules	0 800 49	5 760 40		5 750 10	5 750 11	5 750 12	5 764 58
4 modules	0 800 42	5 760 11		5 750 30	5 750 31	5 750 32	5 762 78
6 modules	0 800 43	5 760 12		5 750 40	5 750 41	5 750 42	5 762 88
Blanking cover plate	2" x 4"	5 760 40		5 754 10	5 754 11	5 754 12	-

Number of modules per mechanism	Flush-mounting boxes	Support frames	Plates	PLATES			
				Neutral			Tattoo
				White	Pearl Alu	Graphite	Edition 1
AMERICAN STANDARD - 83.5 MM FIXING CENTRES (SOUTH AFRICAN STANDARD p. 390)							
1 module	2" x 4"	5 760 40		5 752 40	5 752 41	5 752 42	5 764 18
2 modules and 1.2" touch screen		5 760 40		5 752 50	5 752 51	5 752 52	5 764 38
3 modules		5 760 40		5 752 70	5 752 71	5 752 72	5 764 58
2 modules	4" x 4"	5 760 31		5 752 60	5 752 61	5 752 62	5 766 28
3 modules		5 760 31		5 752 80	5 752 81	5 752 82	5 766 48
4 modules		5 760 31		5 752 90	5 752 91	5 752 92	5 766 58
2 x 3 modules		5 760 32		5 753 00	5 753 01	5 753 02	5 766 78
Blanking cover plates	2" x 4"	5 760 40		5 754 10	5 754 11	5 754 12	-
	4" x 4"	5 760 31		5 753 60	5 753 61	5 753 62	-
FRENCH AND GERMAN STANDARD - 60 MM FIXING CENTRES							
1 module	0 800 41	5 760 21 (screws) 5 760 20 (claws		5 765 40	5 765 41	5 765 52	5 762 28
2 modules and 1.2" touch screen	0 800 41	5 760 21 (screws) 5 760 20 (claws)		5 765 60	5 765 61	5 765 62	5 762 48
3 modules	0 800 49	5 760 40		5 750 10	5 750 11	5 750 12	5 764 58
4 modules	0 800 42	5 760 11		5 750 30	5 750 31	5 750 32	5 762 78
2 x 2 modules	0 800 42	2 x 5 760 21		5 750 20	5 750 21	5 750 22	5 762 68
6 modules	0 800 43	5 760 12		5 750 40	5 750 41	5 750 42	5 762 88
2 x 6 modules	0 801 26	5 760 22		5 750 60	5 750 61	5 750 62	-
3 x 2 modules	0 800 43	3 x 5 760 21		5 750 50	5 750 51	5 750 52	-

Arteor™ mechanical switches

square version


5 720 04


5 724 50


5 720 06


5 725 36


5 720 43



5 720 49

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Switches 10 AX - 250 V~
		1-way switch
10	5 720 04	○ White - 1 module
10	5 725 04	● Magnesium - 1 module
10	5 724 50	● Red - 1 module
10	5 720 34	○ White - 2 modules
10	5 725 34	● Magnesium - 2 modules
		2-way switch
10	5 720 05	○ White - 1 module
10	5 725 05	● Magnesium - 1 module
10	5 720 35	○ White - 2 modules
10	5 725 35	● Magnesium - 2 modules
		2-way switch with indicator
		To be equipped with LED (p. 366)
10	5 720 06	○ White - 1 module
10	5 725 06	● Magnesium - 1 module
5	5 720 36	○ White - 2 modules
5	5 725 36	● Magnesium - 2 modules
		2-way switch with indicator and label-holder
		To be equipped with LED (p. 366)
5	5 720 37	○ White - 2 modules
5	5 725 37	● Magnesium - 2 modules
		Intermediate switch
5	5 720 08	○ White - 1 module
5	5 725 08	● Magnesium - 1 module
10	5 720 38	○ White - 2 modules
10	5 725 38	● Magnesium - 2 modules
		Double pole switch
10	5 720 40	○ White - 2 modules
5	5 725 40	● Magnesium - 2 modules

Pack	Cat.Nos	Switches 20 AX - 250 V~
		1-way switch
10	5 720 09	○ White - 1 module
10	5 725 09	● Magnesium - 1 module
10	5 720 41	○ White - 2 modules
10	5 725 41	● Magnesium - 2 modules
		2-way switch
10	5 720 10	○ White - 1 module
10	5 725 10	● Magnesium - 1 module

Pack	Cat.Nos	Switches 20 AX - 250 V~ (continued)
		2-way switch with indicator
		To be equipped with LED (p. 366)
10	5 720 11	○ White - 1 module
5	5 725 11	● Magnesium - 1 module
10	5 720 42	○ White - 2 modules
5	5 725 42	● Magnesium - 2 modules
		1-way switch - 3 gang
10	5 720 43	○ White - 2 modules
10	5 725 43	● Magnesium - 2 modules
		2 x 2-way switch + 1-way switch - 3 gang
10	5 720 44	○ White - 2 modules
10	5 725 44	● Magnesium - 2 modules
		1-way double pole switch
5	5 720 13	○ White - 1 module
5	5 725 13	● Magnesium - 1 module
5	5 724 51	● Red - 1 module
10	5 720 46	○ White - 2 modules
10	5 725 46	● Magnesium - 2 modules
		1-way double pole switch with indicator
		Red LED supplied
5	5 720 14	○ White - 1 module
5	5 725 14	● Magnesium - 1 module
10	5 720 47	○ White - 2 modules
10	5 725 47	● Magnesium - 2 modules
		1-way double pole switch with indicator and "WATER HEATER" marking
		Red LED supplied
10	5 720 49	○ White - 2 modules
10	5 725 49	● Magnesium - 2 modules
		2-way double pole switch
10	5 720 48	○ White - 2 modules
10	5 725 48	● Magnesium - 2 modules

Support frames and plates, **p. 385-393**



Arteor™ mechanical switches

round version


5 731 10


5 731 11


5 731 12


5 730 62


5 731 26


5 731 28


5 730 72

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Switches 10 AX - 250 V~
		1-way switch
10	5 730 10	○ White - 1 left module
10	5 731 10	● Magnesium - 1 left module
10	5 730 11	○ White - 1 middle module
10	5 731 11	● Magnesium - 1 middle module
10	5 730 12	○ White - 1 right module
10	5 731 12	● Magnesium - 1 right module
10	5 730 60	○ White - 2 modules
10	5 731 60	● Magnesium - 2 modules
		2-way switch
10	5 730 13	○ White - 1 left module
10	5 731 13	● Magnesium - 1 left module
10	5 730 14	○ White - 1 middle module
10	5 731 14	● Magnesium - 1 middle module
10	5 730 15	○ White - 1 right module
10	5 731 15	● Magnesium - 1 right module
10	5 730 61	○ White - 2 modules
10	5 731 61	● Magnesium - 2 modules
		2-way switch with indicator
		To be equipped with LED (p. 366)
5	5 730 16	○ White - 1 left module
5	5 731 16	● Magnesium - 1 left module
5	5 730 17	○ White - 1 middle module
5	5 731 17	● Magnesium - 1 middle module
5	5 730 18	○ White - 1 right module
5	5 731 18	● Magnesium - 1 right module
5	5 730 62	○ White - 2 modules
5	5 731 62	● Magnesium - 2 modules
		Intermediate switch
10	5 730 63	○ White - 2 modules
5	5 731 63	● Magnesium - 2 modules
		Double pole switch
5	5 730 65	○ White - 2 modules
5	5 731 65	● Magnesium - 2 modules

Pack	Cat.Nos	Switches 20 AX - 250 V~
		1-way switch
10	5 730 20	○ White - 1 left module
10	5 731 20	● Magnesium - 1 left module
10	5 730 21	○ White - 1 middle module
10	5 731 21	● Magnesium - 1 middle module
10	5 730 22	○ White - 1 right module
10	5 731 22	● Magnesium - 1 right module
10	5 730 70	○ White - 2 modules
10	5 731 70	● Magnesium - 2 modules

Pack	Cat.Nos	Switches 20 AX - 250 V~ (continued)
		2-way switch
10	5 730 23	○ White - 1 left module
10	5 731 23	● Magnesium - 1 left module
10	5 730 24	○ White - 1 middle module
10	5 731 24	● Magnesium - 1 middle module
10	5 730 25	○ White - 1 right module
10	5 731 25	● Magnesium - 1 right module
		2-way switch with indicator
		To be equipped with LED (p. 366)
5	5 730 26	○ White - 1 left module
5	5 731 26	● Magnesium - 1 left module
5	5 730 28	○ White - 1 right module
5	5 731 28	● Magnesium - 1 right module
5	5 730 71	○ White - 2 modules
5	5 731 71	● Magnesium - 2 modules
		1-way switch - 3 gang
10	5 730 72	○ White - 2 modules
5	5 731 72	● Magnesium - 2 modules
		2 x 2-way switch + 1-way switch - 3 gang
10	5 730 73	○ White - 2 modules
10	5 731 73	● Magnesium - 2 modules
		1-way double pole switch
5	5 730 30	○ White - 1 left module
5	5 731 30	● Magnesium - 1 left module
5	5 730 31	○ White - 1 right module
5	5 731 31	● Magnesium - 1 right module
10	5 730 75	○ White - 2 modules
10	5 731 75	● Magnesium - 2 modules
		1-way double pole switch with indicator
		Red LED supplied
5	5 730 32	○ White - 1 left module
5	5 731 32	● Magnesium - 1 left module
5	5 730 33	○ White - 1 right module
5	5 731 33	● Magnesium - 1 right module
10	5 730 76	○ White - 2 modules
10	5 731 76	● Magnesium - 2 modules
		1-way double pole switch with indicator and "WATER HEATER" marking
		Red LED supplied
10	5 730 78	○ White - 2 modules
10	5 731 78	● Magnesium - 2 modules
		2-way double pole switch
10	5 730 77	○ White - 2 modules
5	5 731 77	● Magnesium - 2 modules

Arteor™ electronic switches

square version


5 740 03


5 740 01


5 734 55

Support frame and plate selection charts **p. 386-393**
Load selection charts **p. 365**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	
		Micropush switches without neutral - 100/240 V~
		2-way switch - 2 x 400 W with LED locator
		With magnesium control touch
		Supplied with support frame
1	5 740 02	○ White - 2 modules
1	5 740 52	● Black - 2 modules
		Micropush switches with neutral - 100/240 V~
		With Magnesium control touch
		2-way switch - 1000 W with LED locator
1	5 740 03	○ White - 2 modules
1	5 740 53	● Black - 2 modules
		2-way switch - 2 x 1000 W with LED locator
1	5 740 00	○ White - 2 modules
1	5 740 50	● Black - 2 modules
		2-way switch - 3 x 1000 W with LED locator
1	5 740 01	○ White - 2 modules
1	5 740 51	● Black - 2 modules
		Sensitive switches - 100/240 V~
		For controlling light sources by simply passing the hand in front of the switch (distance 5 mm)
		Up to 5 sensitive switches can be combined to control the same lighting circuit
		Supplied with LED indicator light
1	5 720 51	○ White - 2 modules
1	5 734 55	● Magnesium - 2 modules

Arteor™ electronic switches

round version


5 743 00


5 743 51


5 736 55

Support frame and plate selection charts **p. 386-393**
Load selection charts **p. 365**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	
		Micropush switches without neutral - 100/240 V~
		2-way switch - 2 x 400 W with LED locator
		With magnesium circle for control
		Supplied with support frame
1	5 743 02	○ White - 2 modules
1	5 743 52	● Black - 2 modules
		Micropush switches with neutral - 100/240 V~
		With Magnesium circle for control
		2-way switch - 1000 W with LED locator
1	5 743 03	○ White - 2 modules
1	5 743 53	● Black - 2 modules
		2-way switch - 2 x 1000 W with LED locator
1	5 743 00	○ White - 2 modules
1	5 743 50	● Black - 2 modules
		2-way switch - 3 x 1000 W with LED locator
1	5 743 01	○ White - 2 modules
1	5 743 51	● Black - 2 modules
		Sensitive switches - 100/240 V~
		For controlling light sources by simply passing the hand in front of the switch (distance 5 mm)
		Up to 5 sensitive switches can be combined to control the same lighting circuit
		Supplied with LED indicator light
1	5 725 51	○ White - 2 modules
1	5 736 55	● Magnesium - 2 modules

Arteor™ push-buttons

square version


5 720 15


5 725 16


5 725 33

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Push-buttons 6 A - 250 V~	
		1-way push-button	
10	5 720 00	○ White - 1 module	
10	5 725 00	● Magnesium - 1 module	
10	5 720 30	○ White - 2 modules	
10	5 725 30	● Magnesium - 2 modules	
		1-way push-button with bell symbol	
5	5 720 15	○ White - 1 module	
5	5 725 15	● Magnesium - 1 module	
5	5 720 56	○ White - 2 modules	
5	5 725 56	● Magnesium - 2 modules	
		1-way push-button with locator and bell symbol	
		Equipped with blue LED	
5	5 720 16	○ White - 1 module	
5	5 725 16	● Magnesium - 1 module	
		2-way push-button	
10	5 720 01	○ White - 1 module	
5	5 725 01	● Magnesium - 1 module	
10	5 720 31	○ White - 2 modules	
5	5 725 31	● Magnesium - 2 modules	
		2-way push-button with locator	
		Equipped with blue LED	
10	5 720 02	○ White - 1 module	
10	5 725 02	● Magnesium - 1 module	
10	5 720 32	○ White - 2 modules	
5	5 725 32	● Magnesium - 2 modules	
		2-way push-button with label-holder	
10	5 720 03	○ White - 1 module	
5	5 725 03	● Magnesium - 1 module	
10	5 720 33	○ White - 2 modules	
10	5 725 33	● Magnesium - 2 modules	

Arteor™ push-buttons

round version


5 730 00


5 730 01


5 730 02


5 730 52


5 731 52

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Push-buttons 6 A - 250 V~	
		1-way push-button	
10	5 730 00	○ White - 1 left module	
10	5 731 00	● Magnesium - 1 left module	
10	5 730 01	○ White - 1 middle module	
10	5 731 01	● Magnesium - 1 middle module	
10	5 730 02	○ White - 1 right module	
10	5 731 02	● Magnesium - 1 right module	
10	5 730 50	○ White - 2 modules	
10	5 731 50	● Magnesium - 2 modules	
		1-way push-button with bell symbol	
5	5 730 80	○ White - 2 modules	
5	5 731 80	● Magnesium - 2 modules	
		2-way push-button	
5	5 730 51	○ White - 2 modules	
5	5 731 51	● Magnesium - 2 modules	
		2-way push-button with locator	
		Equipped with blue LED	
5	5 730 52	○ White - 2 modules	
5	5 731 52	● Magnesium - 2 modules	
		2-way push-button with label-holder	
10	5 730 53	○ White - 2 modules	
5	5 731 53	● Magnesium - 2 modules	

Arteor™ dimmers

square version


5 722 11


5 727 13


5 727 41


5 722 39

Support frame and plate selection charts **p. 386-393**
Load selection charts **p. 365**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)
100/240 VA - 50/60 Hz

Pack	Cat.Nos	Resistive/inductive loads touch dimmers
		Without neutral, 2-wire
		Push-button dimmer - 600 W
		To be installed alone in a 3 module box with a 3-module support frame and a 2-module plate
1	5 722 11	○ White - 2 modules
1	5 727 11	● Magnesium - 2 modules
		Leading edge dimmers
		Without neutral, 2-wire
		Rotary dimmer - 400 W
1	5 722 13	○ White - 2 modules
1	5 727 13	● Magnesium - 2 modules
		Rotary dimmer - 1000 W
		To be installed alone in a 3 module box (or 1 gang BS) with a 3-module support frame and a 2-module plate
		For lamps:
		- 60-1000 W (230 V) - 60-500 W (127 V) for incandescent and halogen lamps
		- 60-600 VA (230 V) - 60-300 VA (127 V) for halogen lamps with electronic transformer with leading edge behaviour
		- 60-1000 VA (230 V) - 60-500 VA (127 V) for halogen lamps with ferromagnetic transformers
1	5 735 01	○ White - 2 modules
1	5 737 01	● Magnesium - 2 modules
		Trailing/leading edge dimmers
		Push-button dimmer - 2 x 400 W
		With Magnesium control touch
		Supplied with support frame
1	5 740 07	○ White - 2 modules
1	5 740 57	● Black - 2 modules
		Push-button dimmer - 1000 W
		Supplied complete with flush-mounting box, support frame and plate. 5 LEDs showing lighting intensity status
1	5 722 41[1]	○ White - 5 vertical modules
1	5 727 41[2]	● Magnesium - 5 vertical modules

Pack	Cat.Nos	Universal dimmers
		Without neutral, 2 wires
		Push-button dimmer for all types of lamps:
		- Dimmable LEDs: 75 W
		- Dimmable compact fluorescent lamps: 75 W
		- Halogen with transformer: 400 VA
		- Fluorescent tube: 200 VA
		- Halogen 230 V and incandescent: 400 W
		Can be associated with one or several push-buttons without neon, for ON/OFF or dimming control
		Lights come on again at the same lighting level as before they were last switched off
1	5 722 39	○ White - 2 modules
1	5 727 39	● Magnesium - 2 modules
		Dimmers 0-10 V
1	5 722 38	Push-button dimmer for ballasts 0-10 V
1	5 727 38	○ White - 2 modules
		● Magnesium - 2 modules

1: Supplied with White plate
2: Supplied with Mirror Black plate

Arteor™ dimmers

round version


5 743 55


5 743 19


5 743 38

Support frame and plate selection charts **p. 386-393**
Load selection charts **(see opposite)**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)
100/240 VA - 50/60 Hz

Pack	Cat.Nos	
		Resistive/inductive loads touch dimmers
		Without neutral, 2-wire
		Push-button dimmer - 600 W
		To be installed alone in a 3 module box with a 3-module support frame and a 2-module plate
1	5 743 05	○ White - 2 modules
1	5 743 55	● Magnesium - 2 modules
		Leading edge dimmers
		Without neutral, 2-wire
		Rotary dimmer - 1000 W
		To be installed alone in a 3 module box (or 1 gang BS) with a 3-module support frame and a 2-module plate For lamps: - 60-1000 W (230 V) - 60-500 W (127 V) for incandescent and halogen lamps - 60-600 VA (230 V) - 60-300 VA (127 V) for halogen lamps with electronic transformer with leading edge behaviour - 60-1000 VA (230 V) - 60-500 VA (127 V) for halogen lamps with ferromagnetic transformers
1	5 722 40	○ White - 2 modules
1	5 727 40	● Magnesium - 2 modules
		Trailing/leading edge dimmers
		Push-button dimmer - 2 x 400 W
		With Magnesium circle for control Supplied with support frame
1	5 743 07	○ White - 2 modules
1	5 743 57	● Black - 2 modules
		Universal dimmers
		Without neutral, 2 wires Push-button dimmer for all types of lamps: - Dimmable LEDs: 75 W - Dimmable compact fluorescent lamps: 75 W - Halogen with transformer: 400 VA - Fluorescent tube: 200 VA - Halogen 230 V and incandescent: 400 W Can be associated with one or several push-buttons without neon, for ON/OFF or dimming control Lights come on again at the same lighting level as before they were last switched off
1	5 743 19	○ White - 2 modules
1	5 743 39	● Magnesium - 2 modules
		Dimmers 0-10 V
		Push-button dimmer for ballasts 0-10 V
1	5 743 18	○ White - 2 modules
1	5 743 38	● Magnesium - 2 modules

Arteor™ load selection charts

Load selection charts

	Cat.Nos	Universal							
		Leading edge						Trailing edge	
		Incandescent lamp		Halogen lamp		ELV halogen with ferromagnetic transformer		ELV halogen with electronic transformer	
		110 V	230 V	110 V	230 V	110 V	230 V	110 V	230 V
Micropush switches	5 740 02/52 5 743 02/52	2 x 200 W	2 x 400 W	2 x 200 W	2 x 400 W	2 x 200 VA	2 x 400 VA	2 x 200 VA	2 x 400 VA
	5 740 03/53 5 743 03/53	500 W	1000 W	500 W	1000 W	250 VA	500 VA	250 VA	500 VA
	5 740 00/50 5 743 00/50	2 x 500 W	2 x 1000 W	2 x 500 W	2 x 1000 W	2 x 250 VA	2 x 500 VA	2 x 250 VA	2 x 500 VA
	5 740 01/51 5 743 01/51	3 x 500 W	3 x 1000 W	3 x 500 W	3 x 1000 W	3 x 250 VA	3 x 500 VA	3 x 250 VA	3 x 500 VA
Sensitive switches	5 720 51 5 734 55 5 725 51 5 736 55	500 W	1000 W	500 W	1000 W	250 VA	500 VA	250 VA	500 VA
Dimmers	5 722 13 5 727 13	200 W	400 W	200 W	400 W	200 VA	400 VA		
	5 735 01 5 737 01 5 722 40 5 727 40	500 W	1000 W	500 W	1000 W	500 VA	1000 VA	300 VA	600 VA
	5 722 11 5 727 11 5 743 05/55	300 W	600 W	300 W	600 W	300 VA	600 VA		
	5 722 39 5 727 39 5 743 19 5 743 39	200 W	400 W	200 W	400 W	200 VA	400 VA	200 VA	400 VA
	5 740 07/57 5 743 07/57	2 x 200 W	2 x 400 W	2 x 200 W	2 x 400 W	2 x 200 VA	2 x 400 VA	2 x 200 VA	2 x 400 VA
	5 722 41 5 727 41	500 W	1000 W	500 W	1000 W	500 VA	1000 VA	500 VA	1000 VA

	Cat.Nos	Universal					
		Fluorescent tube		Compact fluorescent lamp		LED	
		110 V	230 V	110 V	230 V	110 V	230 V
Micropush switches	5 740 03/53 5 743 03/53	250 VA	500 VA	250 VA	500 VA	250 VA	500 VA
	5 740 00/50 5 743 00/50	2 x 250 VA	2 x 500 VA	2 x 250 VA	2 x 500 VA	2 x 250 VA	2 x 500 VA
	5 740 01/51 5 743 01/51	3 x 250 VA	3 x 500 VA	3 x 250 VA	3 x 500 VA	3 x 250 VA	3 x 500 VA
Sensitive switches	5 720 51 5 734 55 5 725 51 5 736 55	250 VA	500 VA	250 VA	500 VA	250 VA	500 VA
Dimmers	5 722 39 5 727 39 5 743 19 5 743 39	100 VA	200 VA	Dimmable 37 W 10 lamps max	Dimmable 75 W 10 lamps max	Dimmable 37 W 10 lamps max	Dimmable 75 W 10 lamps max

	Cat.Nos	Ballasts 0-10 V		Ballasts DALI		Reducer motor for shutters	
		110 V	230 V	110 V	230 V	110 V	230 V
Micropush switches	5 740 02/52 5 743 02/52					50 VA	100 VA
	5 740 03/53 5 743 03/53					2 x 50 VA	2 x 100 VA
	5 740 00/50 5 743 00/50					3 x 50 VA	3 x 100 VA
Sensitive switches	5 720 51 5 734 55 5 725 51 5 736 55					50 VA	100 VA
Dimmers	5 722 38 5 727 38 5 743 18 5 743 38	300 VA 40 mA	600 VA 40 mA				


5 740 47


5 722 21


5 727 26

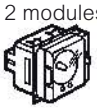

5 724 52


5 724 53

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with square rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Automatic switches
		Measurement of luminosity threshold Adjustment of luminosity threshold and time delay Max. lux and min. time delay factory pre-set Settings modified on the device via thumbwheel or configuration tool Cat.Nos 0 882 30 and 0 882 35 (p. 596) Recommended fixing height: 1 m IR detection 180° Adjustable luminosity threshold: 5 to 1275 lux Time delay adjustable from 5 s to 30 min Consumption 0,2 W on standby Optimum distance between 2 sensors: 6 m Installation in box min. depth 40 mm recommended 2 modules Range 8 m
		With neutral, 3-wire - 1000 W Operates: - 2000 W incandescent and halogen lamps 230 V~ - 1000 VA ELV halogen lamps with ferromagnetic or electronic transformer - 500 VA compact fluorescent lamps - 0 to 250 W for LEDs
1	5 740 47	 ○ White
1	5 740 97	● Magnesium
		Without neutral, 2-wire, 400 W Operates: - 400 W incandescent and halogen lamps 230 V~ - 400 VA ELV halogen lamps with ferromagnetic or electronic transformer
1	5 740 34	 ○ White
1	5 740 94	● Magnesium
		180° switch sensors Infrared and ultrasonic detection, range 8 m Recommended fixing height: 1.20 m Standby consumption: 0.2 W Optimum distance between 2 sensors: 6 m 3-wire cable IP 41 For installation in box, depth 40 mm min., or in surface-mounting box Cat.No 0 802 81 2 modules
		Vacancy mode with neutral Dual-tech - Maximum range 8 m - IP 41
1	5 740 49	 ○ White
1	5 740 99	● Magnesium

Pack	Cat.Nos	Miniature emergency lighting unit
		Illuminates automatically upon power failure Unclips from frame to become portable LEDs indicating mains and charging status 2 modules
1	5 722 22	 ○ White
		Skirting lights For installation close to obstacles 2 modules
		Standard With LED 230 V - 0.2 or 1 W
1	5 722 21	 ○ White
1	5 740 82	● Magnesium
		With motion detector 100-240 V With IR detection cell and LED When a person passes, the mechanism detects the presence and lights the obstacle The function is equipped with an audible signal that can be disengaged
1	5 722 26	 ○ White
1	5 727 26	● Magnesium
		Illuminated lighting unit 230 V - 1 W Supplied with 4 coloured labels 1 module
10	5 724 52	 ○ White
		Overdoor lighting units Supplied with diffusers and LED 2 modules
10	5 724 53	 ○ White with red diffuser
10	5 722 23	○ White with white diffuser
		Lamps
		For locator switch
10	5 724 56	LED 230 V - blue
		For indicator switch
10	5 724 55	LED 230 V - red
10	5 724 57	LED 24 V - red
10	5 724 54	LED 12 V - red



Lighting management, **p. 590**



Arteor™

lighting control, emergency push-buttons



5 720 55



5 723 63

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

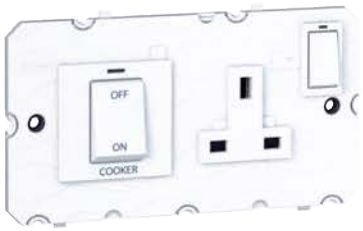
Pack	Cat.Nos	
		Time delay switches
		Interference suppression conforming to standard EN 55022 For timer control of a circuit with the following loads: - 1000 W incandescent and halogen 230 V~ - 2300 W resistive (heating) - 400 VA fluorescent and ELV halogen Adjustable from 25 s to 15 min It is possible to install a number of timer switches in parallel on the same circuit With integrated LED 2-wire installation in box min. depth 40 mm 2 modules
1	5 720 55	 ○ White
1	5 740 84	● Magnesium
		Single pole latching relays 10 A - 250 V~
		Used to bring functions with low breaking capacity close to the application Resistive: 3000 W Incandescent: 1800 W LV halogen: 1800 W Fluorescent: 400 VA Motors (roller blind type): 530 W 2 modules
1	5 722 27	 ○ White
1	5 727 27	● Magnesium
		Emergency stop mushroom head push-buttons 10 A - 250 V~
		N/O + N/C 2 modules
		With key Unlock with RONIS key no. 601
1	5 723 63	 ◐ Yellow/red
		1/4 turn 1/4 turn unlocking
1	5 723 62	 ◐ Yellow/red

Arteor™

double pole switches, cooker control unit



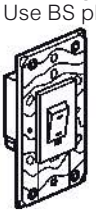
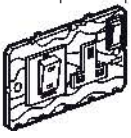
5 720 87



5 720 88

Support frame and plate selection charts **p. 386-389**

Mechanisms supplied with rocker plates, to be equipped with plates (p. 386 to 389). Support frame not needed

Pack	Cat.Nos	
		Double pole switches 40 A - 250 V~
		Conform to EN 60669-1: 2000 and SANS 164-1 Captive terminal screws For flush-mounting box to be min. 48 mm deep Use US plate 4" x 4" - 2 modules
		Double pole switch
5	5 720 81	○ White
5	5 725 81	● Magnesium
		
		Double pole switch + neon
5	5 720 82	○ White
5	5 725 82	● Magnesium
		
		Double pole switches 45 A - 250 V~
		Conform to EN 60669-1: 2000 Captive terminal screws For flush-mounting box to be min. 48 mm deep
		Double pole switch + neon - 2 gang Use BS plate 3 modules
5	5 720 80	○ White
5	5 725 80	● Magnesium
		
		Double pole switch + neon - 1 gang Use BS plate 2 modules
5	5 720 87	○ White
5	5 725 87	● Magnesium
		
		Cooker control unit 250 V~
		Conform to BS 4177: 1992 45 A double pole switch + 13 A double pole switched socket outlet Use special plate (p. 386)
5	5 720 88	○ White
		


5 722 18


5 722 03


5 722 02



5 722 19


5 727 20


5 723 60


5 723 61

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Fan controllers
		2 modules
		AC speed control - 4 positions
1	5 722 17	○ White
1	5 727 17	● Magnesium
		Rotary speed controller for fan
		Operates 40 to 400 VA limit switch
		For progressive speed control of ceiling fan
1	5 722 18	○ White
1	5 727 18	● Magnesium
		Fan step regulator - 100 W
5	5 722 15	○ White
5	5 727 15	● Magnesium
		Thermostats
		Electronic room thermostat
		Control knob with index and adjustable segments for min. and max. settings
		Adjustable range from 5 °C to 30 °C (+/- 0.5 °C)
		Power supply: 230 V∿ - 50/60 Hz
		One potential free changeover contact output
		Suitable for controlling heated ceilings and underfloor heating
		- LV use breaking capacity:
		8 A - 250 V∿ - resistive inductive circuit
		2 A - 250 V∿ - inductive circuit
		- ELV use breaking capacity:
		12 to 48 V∿ - 12 to 24 V⎓, from 1 mA min. to 500 mA max.
		2 modules
1	5 722 03	○ White
1	5 727 03	● Magnesium
		Thermostat for electric floor heating
		With one potential free N/O contact and LED
		16 A - 230 V∿
		Adjustable range from 10 °C to 60 °C
		2 modules
1	5 722 63	○ White
1	5 727 63	● Magnesium
		Curtain switches
		1 module
		Curtain switch centre off
5	5 722 02	○ White
5	5 727 02	● Magnesium
		Curtain switch centre retract
5	5 722 01	○ White
5	5 727 01	● Magnesium

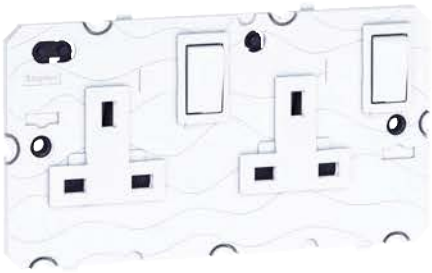
Pack	Cat.Nos	Electric roller blind controllers - 250 V∿
		For control via automatic box (N/O mechanism)
		Double push-button - 10 A
		2 modules
10	5 722 19	○ White - square version
10	5 727 19	● Magnesium - square version
10	5 732 19	○ White - round version
10	5 737 19	● Magnesium - round version
		For direct control of a motor (mechanism with fixed positions)
		Double push-button - 10 A
		2 modules
10	5 722 20	○ White - square version
10	5 727 20	● Magnesium - square version
10	5 732 20	○ White - round version
10	5 737 20	● Magnesium - round version
		RCBO - 16 A - 230 V∿
		Single pole + Neutral - 30 mA - 2 modules
		The RCBO is used to protect people (premises with a conductive floor, presence of water, etc...) against direct contact with live parts or leakages to earth
		With test button
1	5 723 60	○ White
		Thermal magnetic proximity MCB
		Single pole + Neutral - 230 V∿ - 16 A
		Used for local protection of part in a circuit (e.g. 2P+E socket) against overloads and short-circuits
		Main protection being close to the user plus descriminating allows immediate reset
		Can also be used as a local consumption limiter (depending on its rating)
		Breaking capacity: 3000 A - 2 modules
1	5 723 61	○ White

Arteor™

British standard socket outlets



5 721 43



5 721 49



5 726 50

Support frame and plate selection charts **p. 386**

Mechanisms supplied with rocker plates, to be equipped with special plates (p. 386, 387)
Support frame not needed

Pack	Cat.Nos	Single pole socket outlets 13 A - 250 V~
		Shuttered for child safety ASTA licence Conform to BS 1363 Part 2 Use special plates (p. 386, 387)
		2P+E switched - 1 gang
10	5 721 43	○ White
10	5 726 43	● Magnesium
		2P+E switched + neon - 1 gang
10	5 721 44	○ White
10	5 726 44	● Magnesium
		2P+E switched - 2 gang
5	5 721 45	○ White
5	5 726 45	● Magnesium
		2P+E switched + neon - 2 gang
5	5 721 46	○ White
5	5 726 46	● Magnesium

Pack	Cat.Nos	Double pole socket outlets 13 A - 250 V~
		Shuttered for child safety ASTA licence Conform to BS 1363 Part 2 Use special plates (p. 386, 387)
		2P+E switched - 1 gang
5	5 721 47	○ White
5	5 726 47	● Magnesium
		2P+E switched - 2 gang
5	5 721 49	○ White
5	5 726 49	● Magnesium
5	5 721 41	● Red for standard and clean earth applications Non standard pin configuration

Pack	Cat.Nos	Double pole socket outlets 5 A - 250 V~
		Shuttered for child safety Conform to BS 546 Use special plates (p. 386, 387)
		2P+E switched - 1 gang
10	5 721 40	○ White
10	5 726 40	● Magnesium

Pack	Cat.Nos	Fused connection units
		Double pole fused 13 A (fuse supplied) Flex outlet knockout and cord grip Captive fuse carrier (padlockable) Captive terminal screws Conform to BS 1363: part 4 Use special plates (p. 386, 387)
		Switched
5	5 721 50	○ White
5	5 726 50	● Magnesium
		Switched + neon
5	5 721 51	○ White
5	5 726 51	● Magnesium
		Unswitched
10	5 721 57	○ White
10	5 726 57	● Magnesium


5 721 23


5 721 35


5 721 10


5 721 18


5 724 62


5 721 04


5 726 33

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Multistandard socket outlets

Pack	Cat.Nos	
		2P+E unswitched - shuttered for child safety - 2 modules
10	5 721 23	○ White
10	5 726 23	● Magnesium
		2P+E switched - shuttered for child safety - 3 modules
5	5 721 35	○ White
5	5 726 35	● Magnesium

British standard socket outlets

Shuttered for child safety
ASTA licence
Conform to BS 1363 Part 2
Use special plates (p. 386, 387)

Pack	Cat.Nos	
		2P+E switched - 15 A
		Conform to BS 546
		3 modules
5	5 721 32	○ White
5	5 726 32	● Magnesium
		2P+E - 13 A
		Conform to BS 1363 Part 2
		ASTA licence
		2 modules
10	5 721 11	○ White
10	5 726 11	● Magnesium
		2P+E switched - 13 A
		Conform to BS 1363 Part 2
		ASTA licence
		3 modules
5	5 721 30	○ White
5	5 726 30	● Magnesium
5	5 724 67	● Red dedicated non standard pin Use with plug Cat.No 6 745 32
		2P+E - 5 A
		Conform to BS 546
		2 modules
10	5 721 10	○ White
10	5 726 10	● Magnesium

German standard socket outlets 16 A

Pack	Cat.Nos	
		2 modules
		2P+E shuttered for child safety
10	5 721 18	○ White
10	5 726 18	● Magnesium
10	5 724 63	● Red tamper-proof
10	5 724 62	● Dedicated green
10	5 724 60	● Dedicated orange
		2P+E with cover
10	5 721 19	○ White
10	5 726 19	● Magnesium

Euro-US type socket outlets - 15 A -127 V / 16 A - 250 V

Pack	Cat.Nos	
		2P with shutters - 1 module
10	5 721 04	○ White
10	5 726 04	● Magnesium
		2P+E with shutters - 2 modules
10	5 721 16	○ White
10	5 726 16	● Magnesium
		2 x 2P+E with shutters - 3 modules
5	5 721 33	○ White
5	5 726 33	● Magnesium

American type socket outlets 15 A - 127 V

Pack	Cat.Nos	
		2P - 1 module
10	5 721 05	○ White
10	5 726 05	● Magnesium
		2P+E - 2 modules
10	5 721 17	○ White
10	5 726 17	● Magnesium
		2 x 2P+E with shutters - 3 modules
5	5 721 34	○ White
5	5 726 34	● Magnesium

Multistandard socket catalogue
www.docexport.legrand.com



Special cover plates for trunking,
p. 384




5 721 00


5 721 01

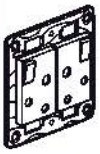

5 721 12


5 726 21


5 721 31

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	South African type socket outlets - 16 A
	N	**2P+E - shuttered for child safety - 2 modules**
10	5 721 22	 ○ White
10	5 726 22	● Magnesium
10	5 724 61	● Red
		2P+E switched - shuttered for child safety - 3 modules
5	5 721 32	 ○ White
5	5 726 32	● Magnesium
5	5 724 65	● Red dedicated
		2 x 2P+E switched - pre-wired - 2 gang
		Supplied with support frame
		Use 2 x 3 modules plate
1	5 720 22	 ○ White
1	5 725 22	● Magnesium

Pack	Cat.Nos	ELV socket outlets 3 A
		2P
		12 mm fixing centres for plug Cat.No 0 500 05
		1 module
10	5 721 00	 ○ White
10	5 726 00	● Magnesium
		Plug
20	0 500 05	2P - 3A for ELV socket outlet
		12 mm fixing centres pins Ø3.6 mm

Pack	Cat.Nos	Italian type socket outlets
		1 module
		2P+E on line - 10 A
10	5 721 01	 ○ White
10	5 726 01	● Magnesium
		2P+E shuttered for child safety - 10/16 A
10	5 721 03	 ○ White
10	5 726 03	● Magnesium

Pack	Cat.Nos	Swiss type socket outlets
		2P+E type 12 shuttered for child safety - 10/16 A
		1 module
10	5 721 02	 ○ White
		2P+E type 13 shuttered for child safety - 10 A
		2 modules
10	5 721 15	 ○ White

Pack	Cat.Nos	Australian type socket outlets
		2 modules
		2P+E auto-switched shuttered for child safety - 10 A
10	5 721 14	 ○ White
10	5 726 14	● Magnesium
		2P+E shuttered for child safety - 10/15 A
10	5 721 12	 ○ White
10	5 726 12	● Magnesium

Pack	Cat.Nos	Chinese type socket outlets
		2P+E shuttered for child safety - 10 A
		2 modules
10	5 721 13	 ○ White
10	5 726 13	● Magnesium
		2P+E shuttered for child safety - 16 A
		2 modules
10	5 721 21	 ○ White
10	5 726 21	● Magnesium
		2P+E Chinese + 2P Euro-US - 10 A
		3 modules
5	5 721 31	 ○ White
5	5 726 31	● Magnesium

Pack	Cat.Nos	Israeli type socket outlets
		2P+E shuttered for child safety
10	5 721 24	 ○ White
10	5 726 24	● Magnesium

Pack	Cat.Nos	French standard socket outlets 10/16 A
		2 modules
		2P shuttered for child safety
10	5 720 20	 ○ White
10	5 725 20	● Magnesium
		2P+E shuttered for child safety
10	5 720 21	 ○ White
10	5 725 21	● Magnesium
		2P+E tamper-proof
		Used to identify a mains circuit (e.g. inverter) and avoid connection of unnecessary equipment which may cause interference on the circuit
10	5 724 66	 ● Red

Pack	Cat.Nos	Tamperproof insert for Cat.No 5 724 66
10	0 502 99	 Tamperproof insert for socket Fits directly into the plug

Supports for installation of Arteor socket outlets, **p. 780**



Arteor™ USB chargers

square version

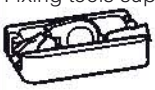

5 720 78


5 720 71


5 720 73

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	USB power supplies
		For recharging portable devices Conform to IEC 62684-2011-01 Consumption in passive mode < 0.1 W 2P+E tap-off connection via 2.5 mm² screw terminals Supplied without cord
		Double USB sockets - 5 V - 1500 mA For fast charging telephones, smartphones, MP3/ MP4 players and tablet PC 2 modules
5	5 720 78	 ○ White
1	5 725 78	● Magnesium
		Single USB sockets - 5 V - 750 mA For Smartphone 1 module
10	5 720 71	 ○ White
10	5 725 71	● Magnesium
		USB power supplies with retractable cord
		For recharging portable devices such as telephones and smartphones Single socket 5 V - 1000 mA equipped with a retractable cord with micro USB connector Conform to IEC 62684-2011-01 Consumption in passive mode < 0.2 W 2P+E tap-off connection via 2.5 mm² screw terminals Cord length: 30 cm 2 modules
1	5 720 73	 ○ White
1	5 725 73	● Magnesium
		Support for portable device on charge
		Prevents device from any fall risk and allows secure use of device while charging Wall-mounting Fixing tools supplied
10	0 803 99	 For 1 portable device Supplied with retractable USB/micro USB version (60 cm/resistance > 7500 manipulations) Can charge and make PC synchronisation

Arteor™ USB chargers

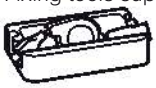
round version


5 724 88


0 803 99

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	USB power supplies
		For recharging portable devices Conform to IEC 62684-2011-01 Consumption in passive mode < 0.1 W 2P+E tap-off connection via 2.5 mm² screw terminals Supplied without cord
		Double USB sockets - 5 V - 1500 mA For fast charging telephones, smartphones, MP3/ MP4 players and tablet PC 2 modules
10	5 724 88	 ○ White
1	5 733 98	● Magnesium
		USB power supplies with retractable cord
		For recharging portable devices such as telephones and smartphones Single socket 5 V - 1000 mA equipped with a retractable cord with micro USB connector Conform to IEC 62684-2011-01 Consumption in passive mode < 0.2 W 2P+E tap-off connection via 2.5 mm² screw terminals Cord length: 30 cm 2 modules
1	5 724 83	 ○ White
1	5 733 93	● Magnesium
		Support for portable device on charge
		Prevents device from any fall risk and allows secure use of device while charging Wall-mounting Fixing tools supplied
10	0 803 99	 For 1 portable device Supplied with retractable USB/micro USB version (60 cm/resistance > 7500 manipulations) Can charge and make PC synchronisation

Video of USB chargers

Relevant, economic and environmental decision

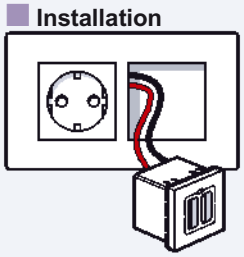
Finished outlets occupied by bulky and unsightly mobile chargers or chargers forgotten office or hotel...
Installed in a few key places, universal chargers USB ports provide a daily service and significant availability
With a simple USB cable, you can immediatly access the charging of the mobile device... The desk, next to the kitchen worktop or in headboard

Thanks to its dual USB connectors, two devices can be charged simultaneously and quickly: smartphone, tablet, joystick or mobile GPS... a valuable service to peak hours of family, significant from 1 h load due to self its mechanism in 1500 mA exclusive and very powerful

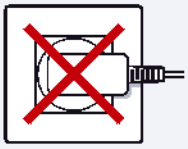
Easy to install, the USB port is powered by transplanting a single socket (P/N) or in place of existing outlet. Users will spot easily charging points installed in different areas with an explicit symbol

Very economical in its design and with a standby consumption < 0.1 W, 5 times lower than the normative requirement of reference, it can reduce it's energy consumption every day and contribute to protect planet

Installation



By simple tap-off on 2P+E socket
Wiring 1.5 or 2.5 mm^2
Class II product which does not require earthing
Releases a 2P+E socket recess

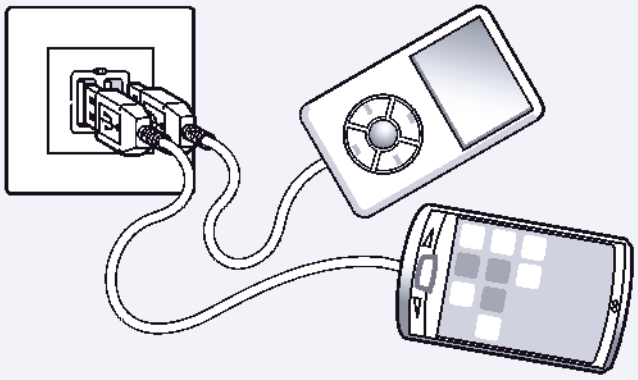


Average chargetime for a smartphone with a 1500 mA charger

Brand	Smartphone	Average chargetime 80 %	Average chargetime 100 %
RIM	Blackberry Torch 9810	01h01	01h23
Apple	iPhone 3GS	01h04	02h07
Apple	iPhone 4S	01h14	01h56
Apple	iPhone 5	01h14	02h20
Motorola	Defy - MB525 - Jordan	01h13	01h47
Nokia	Lumia 800 - Sea Ray	01h39	02h33
Samsung	Galaxy S III - 19300	01h47	02h43
Samsung	Galaxy S IV	02h00	02h59
Sony	XPERIA S - LT26i - Arc HD Nozomi	01h20	02h05
		average < 1h15	average < 2h

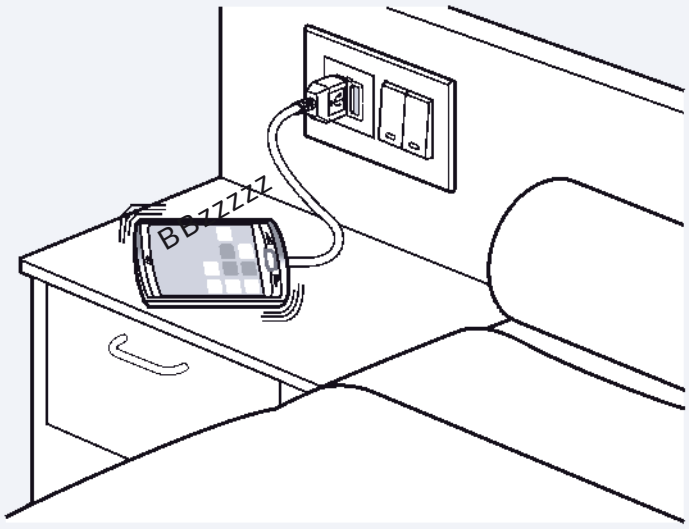
Universal duo USB charging socket

Can quickly charge all mobiles in the family



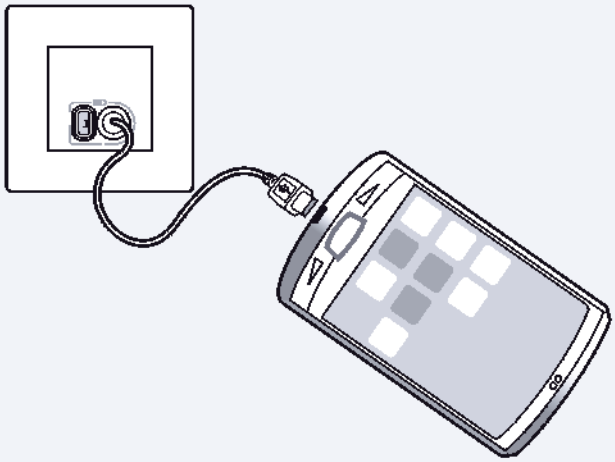
Universal proximity socket

Ideal for everyday needs



The Micro USB version with retractable cord

Always have the cord available




5 723 00


5 728 13


5 721 72


5 726 72

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	RJ 11 and RJ 12 sockets	
		Equipped with modular Jack connector with 1/4 turn terminal for fast connection (possible looping)	
		RJ 11 - 1 module	
		4 contacts	
10	5 723 00		○ White
10	5 728 00		● Magnesium
		RJ 11 - 2 modules	
		4 contacts	
10	5 723 13		○ White
10	5 728 13		● Magnesium
		RJ 12 - 2 modules	
		6 contacts	
10	5 723 12		○ White
10	5 728 12		● Magnesium

Pack	Cat.Nos	Telephone sockets	
		With IDC connection	
		Conform to British Telecom	
		Single master - 2 modules	
10	5 723 10		○ White
10	5 728 10		● Magnesium
		Single secondary - 1 module	
5	5 723 01		○ White
5	5 728 01		● Magnesium

Pack	Cat.Nos	Television sockets	
		For Hertzian and satellite installation (with individual demodulator)	
		DTT and HDTV compatible	
		Shielded star socket	
		TV: male connector (Ø9.5 mm), attenuation - 1.5 dB	
		R: female connector (Ø9.5 mm), attenuation - 1.5 dB	
		SAT: "F" type connector, attenuation - 1.5 dB	
		Recommended coaxial cable: 17/19 VATC	
		TV-R-SAT sockets	
		TV: 5-68 /120-862 MHz	
		R: 87.5-108 MHz	
		SAT: 950-2400 MHz	
		2 modules	
10	5 721 72		○ White
10	5 726 72		● Magnesium
		TV-R sockets	
		TV: 5-68 /120-862 MHz	
		R: 87.5-108 MHz	
		2 modules	
		Class A and 4G/Lte Protected	
10	5 721 70		○ White
10	5 726 70		● Magnesium
		TV sockets	
		TV: 0-2400 MHz	
		1 module	
10	5 721 71		○ White
10	5 726 71		● Magnesium
		TV sockets "F" type with screws	
		SAT: 0-2400 MHz	
		1 module	
10	5 721 63		○ White
10	5 726 63		● Magnesium

Home network, **p. 424**



Arteor™

RJ 45 sockets


5 723 06


5 723 50


5 728 02


5 723 24


5 728 16


5 723 15

Support frame and plate selection charts **p. 386-393**

With LCS² connector with fast connection thanks to integrated crimping
Take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C
Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Cat. 6_A sockets
		360° metal shielding
		STP - 1 module
10	5 723 06	○ White
10	5 728 06	● Magnesium
10	5 723 51	○ White with orange shutter
10	5 728 51	● Magnesium with orange shutter
10	5 723 52	○ White with green shutter
10	5 728 52	● Magnesium with green shutter
		STP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	5 723 50	○ White with red shutter
5	5 728 50	● Magnesium with red shutter
		UTP - 1 module
10	5 723 49	○ White
10	5 728 49	● Magnesium
10	5 723 59	○ White with green shutter
10	5 728 59	● Magnesium with green shutter
10	5 723 58	○ White with orange shutter
10	5 728 58	● Magnesium with orange shutter
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	5 723 57	○ White with red shutter
5	5 728 57	● Magnesium with red shutter

Pack	Cat.Nos	Cat. 6 sockets
		UTP - 1 module
10	5 723 02	○ White
10	5 728 02	● Magnesium
10	5 723 54	○ White with orange shutter
10	5 728 54	● Magnesium with orange shutter
10	5 723 55	○ White with green shutter
10	5 728 55	● Magnesium with green shutter
		UTP - 2 modules
10	5 723 14	○ White - square version
10	5 728 14	● Magnesium - square version
10	5 723 24	○ White - round version
10	5 728 24	● Magnesium - round version

Pack	Cat.Nos	Cat. 6 sockets (continued)
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	5 723 53	○ White with red shutter
5	5 728 53	● Magnesium with red shutter
		UTP with retractable cord - 4 modules
		Cord (0.9 m) winds up automatically with a pushbutton
1	5 723 39	○ White
1	5 728 39	● Magnesium
		FTP - 1 module
10	5 723 22	○ White
10	5 728 22	● Magnesium
		FTP - 2 modules
10	5 723 16	○ White
10	5 728 16	● Magnesium
		STP shielded - 1 module
10	5 723 23	○ White
10	5 728 23	● Magnesium
		STP shielded - 2 modules
10	5 723 17	○ White
10	5 728 17	● Magnesium

Pack	Cat.Nos	Cat. 5e sockets
		UTP - 1 module
10	5 723 03	○ White
10	5 728 03	● Magnesium
		UTP - 2 modules
10	5 723 15	○ White
10	5 728 15	● Magnesium
		FTP - 1 module
10	5 723 04	○ White
10	5 728 04	● Magnesium



5 723 31



5 728 32



5 723 36



5 728 35

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	**Rear pluggable RJ 45 sockets**
		Certified as conforming to standards ISO 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568 Contacts marked with 568 A and B dual colour code and numbers Connectors with self-stripping terminals Possibility of re-wiring in the event of error Multidirectionnal cable entry For use with area distribution boxes (p. 676), connection to boxes via RJ45-RJ45 dedicated cords (p. 676) Used to create Cat. 6 and Cat. 5e links in accordance with standards 2 modules
		Cat. 6 - UTP
10	5 723 31	○ White
10	5 728 31	● Magnesium
		Cat. 6 - FTP
10	5 723 33	○ White
10	5 728 33	● Magnesium
		Cat. 5e - UTP
10	5 723 30	○ White
10	5 728 30	● Magnesium
		Cat. 5e - FTP
10	5 723 32	○ White
10	5 728 32	● Magnesium

Pack	Cat.Nos	**Telephone/Ethernet wiring splitters**
		Provide increased security against theft and damage to double connectors Provide a rate of 10/100 Mbps Multidirectionnal cable entry Can be installed in all supports depth min. 35 mm Telephone and Ethernet applications marked on the protective cap 1 module
		FTP - double connector
		9 contacts
10	5 723 36	○ White
10	5 728 36	● Magnesium
		UTP - double connector
		8 contacts
10	5 723 35	○ White
10	5 728 35	● Magnesium



5 723 76

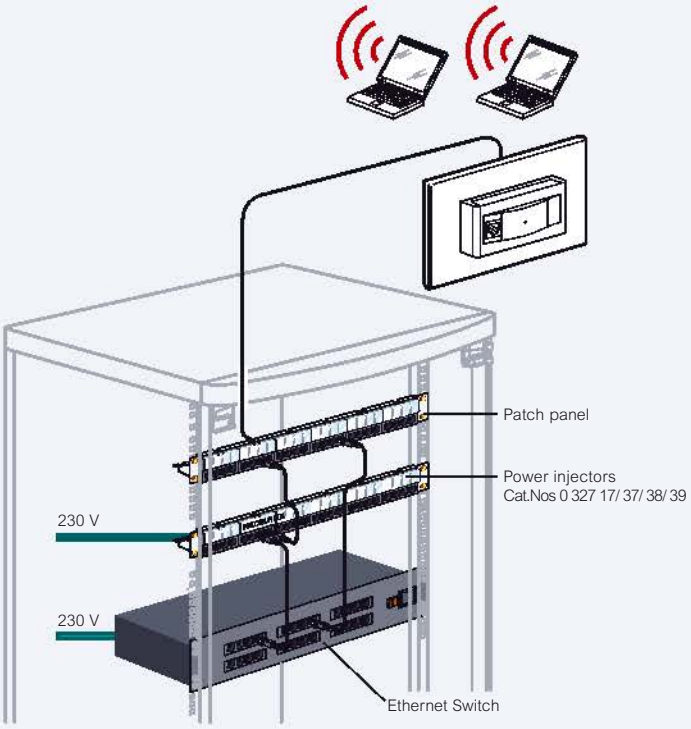
Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Wi-Fi access points
		Dual-band and dual-radio. Conform with standards 802.11a and 802.11b/g Gross speed: 54 Mbps max. on each frequency (802.11a and 802.11g) simultaneously Can be installed in addition to a new or existing LCS/LCS² structured wiring system to meet mobile working requirements Can be integrated into all compatible supports with minimum 40 mm depth Tool-free network connection via RJ 45 connector PoE power supply (Power over Ethernet - standard 802.3 af) The installation must include at least: - Wi-Fi access point - a PoE injector (p. 682) conforming with 802.3 af (LCS² unit format) to be installed in the patch panel The management function allows the network administrator to manage Wi-Fi access points remotely via a web interface Security via WPA2 encryption (802.11i) and 802.1x authentication Guest access: allows visitors free access to the Internet (access independent of the main Wi-Fi network) 4 modules
		With RJ 45 socket on the front panel
1	5 723 76	○ White
1	5 728 76	● Magnesium
		Without RJ 45 socket
1	5 723 77	○ White
1	5 728 77	● Magnesium

Arteor™
Wi-Fi access points

Installation principle



Wi-Fi access points

A 802.11 a and b/g solution

Radio communication standard	802.11 b/g	802.11 a
Power over Ethernet standard	802.3 af	
Frequency band	between 2.40 and 2.48 GHz	5 GHz
Number of available channels	13	8
Max. data rate	54 Mbps	54 Mbps

Advantages of a Legrand Wi-Fi access point

- Possibility of simultaneous operation on 2 frequencies, a and b/g Provides a max. data rate of up to 2 x 54 Mbps in simultaneous mode
- Very high security level: encryption (WPA2 - 802.11i) and authentication (802.1x)
- Possibility of roaming (moving from one acess point to another without breaking the link)
- Quality of service (priority automatically given to voice, then video and finally data) in accordance with standard 802.11e
- Easy to configure and make secure with the quick configuration node

NEW: Guest access to offer a free access for the guest and keep independent and secure the main Wi-Fi network

Installation

In all supports that can take an Arteor mechanism (ducting, columns, flush-mouting boxes, floor boxes, etc)
Do not place access points behind an obstacle that would limit the radiation of the antenna
Access points are connected in the same way as RJ 45 sockets

Sizing

- Provide 1 access point for 1 localised requirement
- Provide 1 access point per 100 m² for global coverage and a maximum gross speed
- Provide 1 access point with an RJ 45 socket for an office used by visitors

Legrand services

To guide you in setting up your VDI sites:
- Help with sizing the installation
- On site assistance for integrating products and making important installations secure


5 723 37


5 728 38


5 720 94


5 727 75


5 732 74

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Adaptors for Ortronics data sockets
		Equipped with transparent label-holder
		Single Clarity Rear load connector - 1 module
		Straight plug
10	5 728 18	● Magnesium
		Adaptors for Keystone data sockets
		Equipped with transparent label-holder
		Single connector - 2 modules
10	5 723 37	○ White
10	5 728 37	● Magnesium
		Adaptors for Systimax data sockets
		Equipped with transparent label-holder
		Single connector - 2 modules
10	5 723 38	○ White
10	5 728 38	● Magnesium

Pack	Cat.Nos	Female USB data sockets
		Used to bring connections closer to the user
		For connecting USB devices (scanner-printer, external hard disk)
		Maximum length: 5 m
		Recommended cable: USB A
		Preterminated - USB 3.0 - 1 module
		Equipped with a 15 cm cord
1	5 720 94	○ White - square version
1	5 725 94	● Magnesium - square version
		Preterminated - USB 3.0 - 2 modules
		Equipped with a 15 cm cord
1	5 724 74	○ White - round version
1	5 733 74	● Magnesium - round version
		Connection via screw terminals - USB 2.0 1 module
		Cross-section 1 mm²
1	5 722 75	○ White - square version
1	5 727 75	● Magnesium - square version
		Connection via screw terminals - USB 2.0 2 modules
		Cross-section 1 mm²
1	5 732 74	○ White - round version
1	5 737 74	● Magnesium - round version
		Female USB DATA amplifier - for data transfer
		Used to bring connections closer to the user in case of large distances
		For connecting USB devices (digital school board / interactive whiteboard...) located more than 5 m away from a source (computer...)
		The kit includes a transmitter (1 module) and a receiver (1 module)
		The link between the transmitter and the receiver is made via a RJ 45/RJ 45 cord
1	5 720 23	○ White - square version

USB chargers, **p. 372**



Arteor™

attenuators and loudspeaker sockets


5 722 84


5 722 83


5 722 70

Support frame and plate selection charts **p. 386-393**

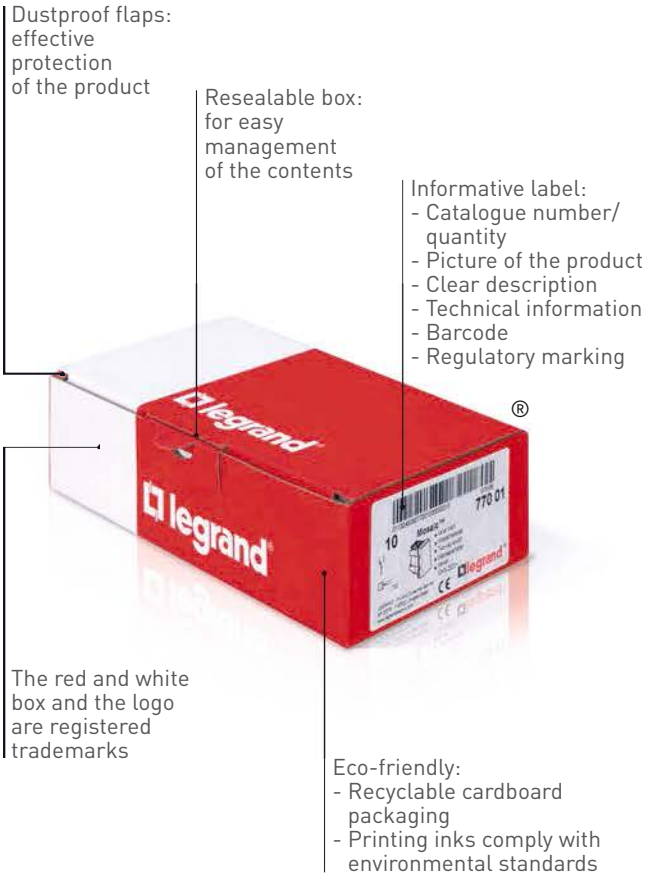
Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	
		Attenuators
		100 V - 25 W Allow to adjust power to 25 W from a balanced 100 V loudspeaker line 2 modules
1	5 722 84	○ White
1	5 727 84	● Magnesium
		3-pole XLR sockets
		For the stereo connection of any peripheral, microphone, mixing console Recommended cable: 1 audio pair 0.14 to 0.5 mm² shielded Max. cable length: 50 m (beyond this an audio amplifier is recommended) 2 modules
		XLR female
1	5 722 83	○ White
1	5 727 83	● Magnesium
		XLR male
1	5 722 77	○ White
1	5 727 77	● Magnesium
		Loudspeaker sockets
		4 mm² terminals
		1 module
10	5 722 70	○ White
10	5 727 70	● Magnesium
		2 modules
10	5 722 80	○ White
10	5 727 80	● Magnesium

LEGRAND PACKAGING

Practical and, eco-friendly

Legrand packaging – your assistance of a certified original product which is factory inspected, protected and clearly identifiable



The right system to meet your needs

A wide range of technologies (HD15, HDMI, DISPLAY PORT, RCA, JACK) to suit the location and the user requirements

INSTALLATION EXAMPLE WITH HD15 PRETERMINATED SOCKET AND VIDEO PROJECTOR SWITCH

1 Quick Installation

2 Easy connection

3 Optimum performance



1 Infrared ON/STANDBY control for video projector associated with a push-button
Cat.No 5 720 89

2 **3** Preterminated HD15 sockets
Cat.No 5 720 97

4 10 m male/male HD15 cords
Cat.No 0 517 23

5 **6** Male/male HD 15 cords

Arteor™

audio and video sockets


5 720 97


5 724 78


5 720 96


5 723 70

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Female HD15 sockets

Used to transmit analog video streams (VGA, XGA, UXGA depending on graphic card) between a source (computer) and a compatible receiver (plasma, LCD, video projector, TV, etc...)

Pack	Square version	Round version
1	5 720 97	-
1	5 725 97	-

Preterminated sockets - 1 module
Equipped with cord, length 15 cm
White
Magnesium

Pack	Square version	Round version
1	-	5 724 78
1	-	5 733 78

Preterminated HD15 + 3.5 mm jack sockets - 2 modules
Equipped with cord, length 15 cm
White
Magnesium

Pack	Square version	Round version
1	5 722 82	5 722 89
1	5 727 82	5 727 89

Screw-type female HD15 sockets 2 modules
White
Magnesium

Pack	Square version	Round version
1	5 722 88	-
1	5 727 88	-

Screw-type female HD15 + 3.5 mm jack sockets - 2 modules
White
Magnesium

Solder-type female HD15 sockets 1 module
15 pin

Pack	Square version	Round version
1	5 722 79	-
1	5 727 79	-

White
Magnesium

HDMI type A sockets

Used to transmit high-definition digital audio/video streams between a source (HD-DVD drive, computer, etc) and a compatible receiver (TV, videoprojector...)

Pack	Square version	Round version
1	5 720 96	-
1	5 725 96	-

Preterminated sockets HDMI 1.4 - 1 module
Equipped with cord, length 15 cm
White
Magnesium

Pack	Square version	Round version
1	-	5 724 76
1	-	5 735 96

Preterminated sockets HDMI 1.4 - 2 modules
Equipped with cord, length 15 cm
White
Magnesium

Pack	Square version	Round version
1	5 722 81	5 722 85
1	5 727 81	5 727 85

Screw-type sockets HDMI 1.3 - 2 modules
White
Magnesium

Jack sockets 3.5 mm

3.5 mm jack connectors can be used to create audio/video links

Pack	Square version
1	5 720 91
1	5 725 91

Preterminated sockets - 1 module
Equipped with cord, length 15 cm
White
Magnesium

Pack	Square version
1	5 722 74
1	5 727 74

4 screw-type female 3.5 mm jack socket 1 module
White
Magnesium

Pack	Square version
1	5 722 78
1	5 727 78

Solder-type female 3.5 mm jack socket 1 module
White
Magnesium

HD15 + 3.5 mm Jack amplifier

Used to connect audio/video terminals more than 20 m apart up to 100 m
The video link is via an HD15 connector (resolution up to UXGA)
The stereo audio link is via a 3.5 mm jack
The kit includes:
- One 4-module transmitter equipped with an HD15 connector and a 3.5 mm jack
- One 4-module receiver equipped with an HD15 connector and a 3.5 mm jack
- One 4-module power supply to be connected on the mains then linked to the receiver or transmitter

The link between the transmitter and receiver is via a network cord RJ 45/RJ 45

Pack	Square version
1	5 723 70

White

Patch panels, cables and cords, **p. 696**




5 720 89


5 720 90


5 722 72


5 720 93


5 722 76

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Videoprojector switch

Universal remote switch allowing to turn ON or place in STANDBY mode a video projector
Works with all videoprojectors or TV through IR learning process
Installed close to the room's lighting switches, it replaces the constructors remote and fosters the ignition and extinction of the video projector therefore reducing energy consumption and extending the bulb's lifetime



Pack	Cat.Nos	
	Square version	
1	5 720 89 N	White

Display port sockets

Used to transmit high-definition digital audio/video streams between a source (laptop, computer, etc) and a compatible receiver (TV, videoprojector...)

Preterminated socket - 1 module
Equipped with cord, length 15 cm



Preterminated socket - 2 modules
Equipped with cord, length 15 cm



Pack	Square version	Round version	
1	5 720 90		White
1	5 725 90		Magnesium
1		5 724 70	White
1		5 735 90	Magnesium

Female 2 RCA sockets

Provide the stereo audio link for any peripheral device such as a DVD drive, camera, video recorder

Preterminated - 1 module
Equipped with a 15 cm cord



Preterminated - 2 modules
Equipped with a 15 cm cord



Connection on screw terminals - 1 module



Connection on screw terminals - 2 modules



Pack	Square version	Round version	
1	5 720 92	-	White
1	5 725 92	-	Magnesium
1	-	5 724 72	White
1	-	5 735 92	Magnesium
1	5 722 72	-	White
1	5 727 72	-	Magnesium
1	-	5 732 72	White
1	-	5 737 72	Magnesium

Female 3 RCA sockets

Provide the composite video and stereo audio link for any peripheral device such as a DVD drive, camera, video recorder, videoconferencing, etc

Preterminated - 1 module



Preterminated - 2 modules



Connection on screw terminals - 1 module



Connection on screw terminals - 2 modules



Pack	Square version	Round version	
1	5 720 93	-	White
1	5 725 93	-	Magnesium
1	-	5 724 73	White
1	-	5 735 93	Magnesium
1	5 722 73	-	White
1	5 727 73	-	Magnesium
1	-	5 732 73	White
1	-	5 737 73	Magnesium

Female BNC 75 sockets

Provide the composite video link for any peripheral device such as a DVD drive, camera, video recorder, etc

Connection on screw terminals - 1 module



Pack	Square version	
1	5 722 76	White
1	5 727 76	Magnesium

Arteor™

ancillary mechanisms


5 728 41


5 731 86


5 723 21

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Blank modules
		1 module
10	5 723 41	○ White - square version
10	5 728 41	● Magnesium - square version
		2 modules
10	5 723 42	○
10	5 728 42	● Magnesium - square version
10	5 730 86	○ White - round version
10	5 731 86	● Magnesium - round version
		3 modules
5	5 723 43	○ White - square version
5	5 728 43	● Magnesium - square version
5	5 730 96	○ White - round version
5	5 731 96	● Magnesium - round version

Pack	Cat.Nos	Cable outlets
		20 A cable outlet for junction - 2 modules
10	5 723 20	○ White
		45 A cable outlet - BS 1 gang
		Supplied with cover plate
		For flush mounting back box to be min. 45 mm deep
5	5 723 21	○ White

Pack	Cat.Nos	Cord outlets
		1 module with ∅8 mm entry
10	5 723 07	○ White
		2 modules
10	5 723 19	○ White

Arteor™

blanking cover plates


5 751 31

5 754 10

Support frame and plate selection charts **p. 386-393**

To be equipped with support frames and plates

Pack	Cat.Nos	British standard blanking cover plates
		For 1 gang box
5	5 751 30	○ White
5	5 751 31	● Pearl Alu
5	5 751 32	● Graphite
		For 2 gang box
5	5 751 40	○ White
5	5 751 41	● Pearl Alu
5	5 751 42	● Graphite

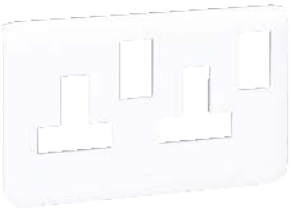
Pack	Cat.Nos	Italian/US standard blanking cover plates
		For 2" x 4" boxes
10	5 754 10	○ White
10	5 754 11	● Pearl Alu
10	5 754 12	● Graphite

Pack	Cat.Nos	US standard blanking cover plates
		For 4" x 4" boxes
5	5 753 60	○ White
5	5 753 61	● Pearl Alu
5	5 753 62	● Graphite


5 760 16


5 754 50


5 754 70


5 754 80


5 751 90

5 723 90

5 723 92

Support frame and plate selection charts **p. 386-393**

Pack	Cat.Nos	Panel mounting supports
10	5 760 15	For 1 to 3 mm thick panels For 1 module Clips into a 28 x 53.5 mm aperture
10	5 760 16	For 2 modules Clips into a 58 x 53.5 mm aperture

Pack	Cat.Nos	Modular support
10	5 760 13	For mounting 2-module mechanisms on symetrical rail

Pack	Cat.Nos	Dedicated plates for trunking
10	5 754 50	1-gang plate 2 modules (supplied with support frame)
5	5 754 60	2-gang plate 2 x 2 modules (supplied with support frame)
10	5 754 70	White plate for 1-gang 13 A switched socket
5	5 754 80	White plate for 2-gang 13 A switched socket

Pack	Cat.Nos	IP 44 plate
5	5 751 90	For British and German standards For mounting in 1-gang box Support frame supplied

Pack	Cat.Nos	Flush-mounting boxes
1	6 890 36	For British standard 6 and 8-module plates and frames For 6 modules 211.4 x 75.7 x 50.8 mm
1	6 890 38	For 8 modules 231 x 75.7 x 50.8 mm
1	6 890 28	For 2 x 6 modules 212 x 143 x 42 mm
1	0 818 56	For 3 x 6 modules 212 x 212 x 42 mm

Pack	Cat.Nos	Surface-mounting boxes
10	5 723 90	For British, German and French standard For 2 modules - 1 gang 38 mm depth
5	5 723 92	For 4 modules 2 x 2 modules - 2 gang 48 mm depth (suitable for shaver sockets)
2	5 723 96	For 2 x 6 modules 38 mm depth

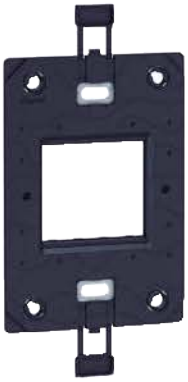
Arteor™

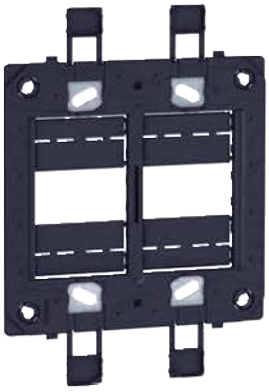
international support frames


5 760 03


5 760 01


5 760 00


5 760 30


5 760 32


5 760 21


5 760 20

Support frame and plate selection charts **p. 386-393**

Pack	Cat.Nos	Support frames for BS type boxes 60.3 mm fixing centres
		Screw mounting (screws supplied)
		For 1 gang box
10	5 760 03	Square - for 1 or 2 modules
5	5 760 01	Square - for 3 modules
		For 2 gang box
10	5 760 02	Rectangular - for 3 modules
10	5 760 00	Rectangular - for 2 x 2 modules

Pack	Cat.Nos	Support frames for US and South African type boxes 83.5 mm fixing centres
		Screw mounting
		For 2" x 4" boxes
10	5 760 30	For 2 modules (electronic functions except 2-module mechanisms to be mounted on 3-module support frame)
10	5 760 40	For 1 to 3 modules
		For 4" x 4" boxes
5	5 760 31	For 2, 3 and 4 modules
5	5 760 32	For 2 x 3 modules

Pack	Cat.Nos	Support frames for German and French type boxes
		Screw mounting
10	5 760 21	For 1 or 2 modules
5	5 760 11	For 4 modules
5	5 760 12	For 6 modules Horizontal mounting
2	5 760 22	For 2 x 6 modules Horizontal mounting
		Claw mounting
5	5 760 20	For 1 or 2 modules

Pack	Cat.Nos	Support frame for Italian type boxes 83.5 mm fixing centres
		Screw mounting
10	5 760 40	For 1 to 3 modules

Arteor™ British standard plate selection charts

60.3 mm fixing centres - flush-mounting boxes, support frames and plates

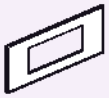
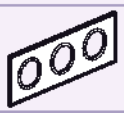
Number of modules per mechanism	Flush-mounting boxes	Support frames	Plates	PLATES					
				Neutral			Tattoo	Graphic	
				White	Pearl Alu	Graphite	Edition 1	Casual	Formal
SQUARE VERSION									
1 module	1 gang	5 760 03		5 752 00	5 752 01	5 752 02	5 761 08	5 761 01	5 761 02
2 modules and 1.2" touch screen		5 760 03 5 760 01(1)		5 752 10	5 752 11	5 752 12	5 761 28	5 761 21	5 761 22
3 modules - 1 gang	1 gang	5 760 01		5 751 60	5 751 61	5 751 62	5 761 88	5 761 81	5 761 82
3 modules and shaver sockets	2 gang	5 760 02		5 750 70	5 750 71	5 750 72	5 761 68	5 761 61	5 761 62
4 modules	2 gang	5 760 00		5 750 80	5 750 81	5 750 82	5 761 48	5 761 41	5 761 42
6 modules	6 890 36	Supplied with support frame		5 753 70	5 753 71	5 753 72	5 763 78	5 763 71	5 763 72
8 modules	6 890 38	Supplied with support frame		5 767 00	5 767 01	5 767 02	5 767 18	5 767 11	5 767 12
2 x 6 modules	6 890 28	Supplied with support frame		5 753 90	5 753 91	5 753 92	-	-	-
3 x 6 modules	0 818 56	Supplied with support frame		5 754 00	5 754 01	5 754 02	-	-	-
For 5 A/13 A switched socket outlet - 1 gang	-	Not needed		5 750 90	5 750 91	5 750 92	5 762 18	5 762 11	5 762 12
For 13 A twin Switched socket outlet - 2 gang	-	Not needed		5 751 00	5 751 01	5 751 02	5 762 08	5 762 01	5 762 02
For 13 A fused connection unit switched	-	Not needed		5 751 20	5 751 21	5 751 22	5 761 98	5 761 91	5 761 92
For cooker unit Cat.No 5 720 88	-	Not needed		5 751 50	-	-	-	-	-
Blanking cover plate British standard	1 gang	5 760 03 5 760 01		5 751 30	5 751 31	5 751 32	-	-	-
Blanking cover plate British standard	2 gang	5 760 02		5 751 40	5 751 41	5 751 42	-	-	-
ROUND VERSION									
2 modules	1 gang	5 760 03		5 756 10	5 756 11	5 756 12	5 761 18	5 761 11	5 761 12
3 modules	2 gang	5 760 02		5 755 40	5 755 41	5 755 42	5 761 58	5 761 51	5 761 52
3 modules - 1 gang	1 gang	5 760 01		5 755 60	5 755 61	5 755 62	5 761 78	5 761 71	5 761 72
4 modules	2 gang	5 760 00		5 755 50	5 755 51	5 755 52	5 761 38	5 761 31	5 761 32
6 modules	6 890 36	Supplied with support		5 767 40	5 767 41	5 767 42	5 767 58	5 767 51	5 767 52
8 modules	6 890 38	Supplied with support		5 766 80	5 766 81	5 766 82	5 766 98	5 766 91	5 766 92

1: Use 5 760 01 support frame for 2 module mechanisms to be mounted on 3 module support frame (see mention in catalogue page)

PLATES											
	Mirror				Brushed metal		Wood		Leather		Signature
	Mirror White	Mirror Black	Mirror Red	Mirror Taupe	Stainless Steel	Gold Brass	Wenge Style	Light Oak	Club	Galuchat	Woven Metal
											
5 752 04	5 752 03	5 761 06	5 761 05	5 752 06	5 761 00	5 752 05	5 761 09	5 761 03	5 761 04	5 761 07
5 752 14	5 752 13	5 761 26	5 761 25	5 752 16	5 761 20	5 752 15	5 761 29	5 761 23	5 761 24	5 761 27
5 751 64	5 751 63	5 761 86	5 761 85	5 751 66	5 761 80	5 751 65	5 761 89	5 761 83	5 761 84	5 761 87
5 750 74	5 750 73	5 761 66	5 761 65	5 750 76	5 761 60	5 750 75	5 761 69	5 761 63	5 761 64	5 761 67
5 750 84	5 750 83	5 761 46	5 761 45	5 750 86	5 761 40	5 750 85	5 761 49	5 761 43	5 761 44	5 761 47
5 753 74	5 753 73	5 763 76	5 763 75	5 753 76	5 763 70	5 753 75	5 763 79	5 763 73	5 763 74	5 763 77
5 767 04	5 767 03	5 767 16	5 767 15	5 767 06	5 767 10	5 767 05	5 767 19	5 767 13	5 767 14	5 767 17
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
5 750 94	5 750 93	5 762 16	5 762 15	5 750 96	5 762 10	5 750 95	5 762 19	5 762 13	5 762 14	5 762 17
5 751 04	5 751 03	5 762 06	5 762 05	5 751 06	5 762 00	5 751 05	5 762 09	5 762 03	5 762 04	5 762 07
5 751 24	5 751 23	5 761 96	5 761 95	5 751 26	5 761 90	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
5 756 14	5 756 13	5 761 16	5 761 15	5 756 16	5 761 10	5 756 15	5 761 19	5 761 13	5 761 14	5 761 17
5 755 44	5 755 43	5 761 56	5 761 55	5 755 46	5 761 50	5 755 45	5 761 59	5 761 53	5 761 54	5 761 57
5 755 64	5 755 63	5 761 76	5 761 75	5 755 66	5 761 70	5 755 65	5 761 79	5 761 73	5 761 74	5 761 77
5 755 54	5 755 53	5 761 36	5 761 35	5 755 56	-	-	-	-	-	-
5 767 44	5 767 43	5 767 56	5 767 55	5 767 46	-	-	-	-	-	-
5 766 84	5 766 83	5 766 96	5 766 95	5 766 86	-	-	-	-	-	-

Arteor™ Italian / US standards plate selection charts

83.5 mm fixing centres - flush-mounting boxes, support frames and plates

Number of modules per mechanism	Flush-mounting boxes	Support frames	Plates	PLATES					
				Neutral			Tattoo	Graphic	
				White	Pearl Alu	Graphite	Edition 1	Casual	Formal
									
SQUARE VERSION									
1 module	0 800 49	5 760 40		5 752 20	5 752 21	5 752 22	5 764 18	5 764 11	5 764 12
2 modules and 1.2" touch screen	0 800 49	5 760 40		5 752 30	5 752 31	5 752 32	5 764 38	5 764 31	5 764 32
3 modules	0 800 49	5 760 40		5 750 10	5 750 11	5 750 12	5 764 58	5 764 51	5 764 52
Blanking cover plate	2" x 4"	5 760 40		5 754 10	5 754 11	5 754 12	-	-	-
4 modules	0 800 42	5 760 11		5 750 30	5 750 31	5 750 32	5 762 78	5 762 71	5 762 72
6 modules	0 800 43	5 760 12		5 750 40	5 750 41	5 750 42	5 762 88	5 762 81	5 762 82
ROUND VERSION									
2 modules	0 800 49	5 760 40		5 756 20	5 756 21	5 756 22	5 764 28	5 764 21	5 764 22
3 modules	0 800 49	5 760 40		5 755 00	5 755 01	5 755 02	5 764 48	5 764 41	5 764 42
4 modules	0 800 42	2 x 5 760 21		5 755 10	5 755 11	5 755 12	5 762 58	5 762 51	5 762 52
6 modules	0 800 43	3 x 5 760 21		5 755 20	5 755 21	5 755 22	-	-	-

PLATES											
	Mirror				Brushed metal		Wood		Leather		Signature
	Mirror White	Mirror Black	Mirror Red	Mirror Taupe	Stainless Steel	Gold Brass	Wenge Style	Light Oak	Club	Galuchat	Woven Metal
											
	5 752 44	5 752 43	5 764 16	5 764 15	5 752 46	5 764 10	5 752 45	5 764 19	5 764 13	5 764 14	5 764 17
	5 752 54	5 752 53	5 764 36	5 764 35	5 752 56	5 764 30	5 752 55	5 764 39	5 764 33	5 764 34	5 764 37
	5 752 74	5 752 73	5 764 56	5 764 55	5 752 76	5 764 50	5 752 75	5 764 59	5 764 53	5 764 54	5 764 57
	-	-	-	-	-	-	-	-	-	-	-
	5 750 34	5 750 33	5 762 76	5 762 75	5 750 36	5 762 70	5 750 35	5 762 79	-	-	-
	5 750 44	5 750 43	5 762 86	5 762 85	5 750 46	5 762 80	5 750 45	-	-	-	-
	5 756 34	5 756 33	5 764 26	5 764 25	5 756 36	5 764 20	5 756 35	5 764 29	5 764 23	5 764 24	5 764 27
	5 756 54	5 756 53	5 764 46	5 764 45	5 756 56	5 764 40	5 756 55	5 764 49	5 764 43	5 764 44	5 764 47
	5 755 14	5 755 13	5 762 56	5 762 55	5 755 16	5 762 50	-	-	-	-	-
	5 755 24	5 755 23	-	-	5 755 26	-	-	-	-	-	-

Arteor™ American and South African standard plate selection charts

83.5 mm fixing centres - flush-mounting boxes, support frames and plates

Number of modules per mechanism	Flush-mounting boxes	Support frames	Plates	PLATES					
				Neutral			Tattoo	Graphic	
				White	Pearl Alu	Graphite	Edition 1	Casual	Formal
SQUARE VERSION									
1 vertical module N	2" x 4"	5 760 30		5 767 20	5 767 21	5 767 22	5 767 38	5 767 31	5 767 32
1 horizontal module		5 760 40		5 752 40	5 752 41	5 752 42	5 764 18	5 764 11	5 764 12
2 modules and 1.2" touch screen		5 760 30(1) 5 760 40		5 752 50	5 752 51	5 752 52	5 764 38	5 764 31	5 764 32
3 modules		5 760 40		5 752 70	5 752 71	5 752 72	5 764 58	5 764 51	5 764 52
2 modules	4" x 4"	5 760 31		5 752 60	5 752 61	5 752 62	5 766 28	5 766 21	5 766 22
3 modules		5 760 31		5 752 80	5 752 81	5 752 82	5 766 48	5 766 41	5 766 42
4 modules		5 760 31		5 752 90	5 752 91	5 752 92	5 766 58	5 766 51	5 766 52
2 x 3 modules		5 760 32		5 753 00	5 753 01	5 753 02	5 766 78	5 766 71	5 766 72
Video display internal unit 2.5"		Not needed		-	-	-	-	-	-
Blanking cover plate Italian / US standards	2" x 4"	5 760 40		5 754 10	5 754 11	5 754 12	-	-	-
Blanking cover plate US standard	4" x 4"	5 760 31		5 753 60	5 753 61	5 753 62	-	-	-
Central unit for: - temperature control - intruder alarm	Supplied with box	Not needed		-	-	-	-	-	-
ROUND VERSION									
2 modules	2" x 4"	5 760 30(1) 5 760 40		5 756 30	5 756 31	5 756 32	5 764 28	5 764 21	5 764 22
3 modules		5 760 40		5 756 50	5 756 51	5 756 52	5 764 48	5 764 41	5 764 42
2 modules	4" x 4"	5 760 31		5 756 40	5 756 41	5 756 42	5 766 18	5 766 11	5 766 12
3 modules				5 756 60	5 756 61	5 756 62	5 766 38	5 766 31	5 766 32
2 x 3 modules		5 760 32		5 756 70	5 756 71	5 756 72	5 766 68	5 766 62	5 766 61

1: Only for 2 modules electronic functions

PLATES										
Mirror				Brushed metal		Wood		Leather		Signature
Mirror White	Mirror Black	Mirror Red	Mirror Taupe	Stainless Steel	Gold Brass	Wenge Style	Light Oak	Club	Galuchat	Woven Metal
										
5 767 24	5 767 23	5 767 36	5 767 35	5 767 26	5 767 30	5 767 25	5 767 39	5 767 33	5 767 34	5 767 37
5 752 44	5 752 43	5 764 16	5 764 15	5 752 46	5 764 10	5 752 45	5 764 19	5 764 13	5 764 14	5 764 17
5 752 54	5 752 53	5 764 36	5 764 35	5 752 56	5 764 30	5 752 55	5 764 39	5 764 33	5 764 34	5 764 37
5 752 74	5 752 73	5 764 56	5 764 55	5 752 76	5 764 50	5 752 75	5 764 59	5 764 53	5 764 54	5 764 57
5 752 64	5 752 63	5 766 26	5 766 25	5 752 66	5 766 20	5 752 65	5 766 29	5 766 23	5 766 24	5 766 27
5 752 84	5 752 83	5 766 46	5 766 45	5 752 86	5 766 40	5 752 85	5 766 49	5 766 43	5 766 44	5 766 47
5 752 94	5 752 93	5 766 56	5 766 55	5 752 96	-	-	-	-	-	-
5 753 04	5 753 03	5 766 76	5 766 75	5 753 06	5 766 70	-	-	-	-	-
5 764 84	5 764 83	-	-	5 764 86	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
5 765 24	5 765 23	-	-	-	-	-	-	-	-	-
5 756 34	5 756 33	5 764 26	5 764 25	5 756 36	5 764 20	5 756 35	5 764 29	5 764 23	5 764 24	5 764 27
5 756 54	5 756 53	5 764 46	5 764 45	5 756 56	5 764 40	5 756 55	5 764 49	5 764 43	5 764 44	5 764 47
5 756 44	5 756 43	5 766 16	5 766 15	5 756 46	5 766 10	5 756 45	5 766 19	5 766 13	5 766 14	5 766 17
5 756 64	5 756 63	5 766 36	5 766 35	5 756 66	5 766 30	5 756 65	5 766 39	5 766 33	5 766 34	5 766 37
5 756 74	5 756 73	5 766 66	5 766 65	5 756 76	-	-	-	-	-	-

Arteor™ German and French standard plate selection charts

60 mm fixing centres - flush and surface-mounting boxes, support frames and plates

Number of modules per mechanism	Surface-mounting boxes	Flush-mounting boxes for dry partitions (1)	Support frames	Plates	PLATES					
					Neutral			Tattoo	Graphic	
					White	Pearl Alu	Graphite	Edition 1	Casual	Formal
SQUARE VERSION										
1 module	-	0 800 41	5 760 21 (screws) 5 760 20 (claws)		5 765 40	5 765 41	5 765 52	5 762 28	5 762 21	5 762 22
2 modules and 1.2" touch screen	5 723 90	0 800 41	5 760 21 (screws) 5 760 20 (claws)		5 765 60	5 765 61	5 765 62	5 762 48	5 762 41	5 762 42
3 modules	-	0 800 49	5 760 40		5 750 10	5 750 11	5 750 12	5 764 58	5 764 51	5 764 52
2 x 2 modules	5 723 92	0 800 42	2 x 5 760 21		5 750 20	5 750 21	5 750 22	5 762 68	5 762 61	5 762 62
6 modules	-	0 800 43	5 760 12		5 750 40	5 750 41	5 750 42	5 762 88	5 762 81	5 762 82
2 x 6 modules	5 723 96	0 801 26	5 760 22		5 750 60	5 750 61	5 750 62	-	-	-
4 modules	5 723 92	0 800 42	5 760 11		5 750 30	5 750 31	5 750 32	5 762 78	5 762 71	5 762 72
3 x 2 modules	-	0 800 43	3 x 5 760 21		5 750 50	5 750 51	5 750 52	-	-	-
ROUND VERSION										
2 x 1 module 2 modules	5 723 90	0 800 41	5 760 21 (screws) 5 760 20 (claws)		5 756 00	5 756 01	5 756 02	5 762 38	5 762 31	5 762 32
2 x 2 modules	5 723 92	0 800 42	2 x 5 760 21		5 755 10	5 755 11	5 755 12	5 762 58	5 762 51	5 762 52
3 x 2 modules	-	0 800 43	3 x 5 760 21		5 755 20	5 755 21	5 755 22	-	-	-

1: Other flush-mounting boxes (see p. 565)

PLATES											
	Mirror				Brushed metal		Wood		Leather		Signature
	Mirror White	Mirror Black	Mirror Red	Mirror Taupe	Stainless Steel	Gold Brass	Wenge Style	Light Oak	Club	Galuchat	Woven Metal
											
	5 765 54	5 765 53	5 762 26	5 762 25	5 765 56	5 762 20	5 765 55	5 762 29	5 762 23	5 762 24	5 762 27
	5 765 64	5 765 63	5 762 46	5 762 45	5 765 66	5 762 40	5 765 65	5 762 49	5 762 43	5 762 44	5 762 47
	5 752 74	5 752 73	5 764 56	5 764 55	5 752 76	5 764 50	5 752 75	5 764 59	5 764 53	5 764 54	5 764 57
	5 750 24	5 750 23	5 762 66	5 762 65	5 750 26	5 762 60	5 750 25	5 762 69	5 762 63	5 762 64	5 762 67
	5 750 44	5 750 43	5 762 86	5 762 85	5 750 46	5 762 80	5 750 45	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	5 750 34	5 750 33	5 762 76	5 762 75	5 750 36	5 762 70	5 750 35	5 762 79	-	-	-
	5 750 54	5 750 53	-	-	5 750 56	-	-	-	-	-	-
	5 756 04	5 756 03	5 762 36	5 762 35	5 756 06	5 762 30	5 756 05	5 762 39	5 762 33	5 762 34	5 762 37
	5 755 14	5 755 13	5 762 56	5 762 55	5 755 16	5 762 50	5 755 15	5 762 59	-	-	5 762 57
	5 755 24	5 755 23	-	-	5 755 26	-	-	-	-	-	-

Arteor™ hotels solutions



From the entrance of the hotel room to the bedside table Arteor™ solutions are designed to perfectly meet customer comfort requirements for easy connection of various multimedia devices and flexible access to the internet

DESIGNED TO ENHANCE CUSTOMER COMFORT

- **A solution for all types of hotels**



BUS/SCS SCENARIO CONTROLLERS AND CONTROLS



HOTEL EQUIPMENT WITH SPECIFIC MARKING

VIDEO OF ROOM CONTROL SYSTEM FOR HOSPITALITY BUILDINGS



STANDARD HOTEL EQUIPMENT



KNX CONTROL MECHANISMS

Arteor™ hotel equipment

BUS/SCS



0 675 90


0 675 92


5 745 91

Support frame and plate selection charts **p. 386-393**

Control indicators for room management

Pack	Cat.Nos	
		Mechanisms To be equipped with support frames (p. 385) and plates (p. 386 to 393)
1	0 675 90	External indicator and bell pushbutton DO NOT DISTURB – MAKE UP THE ROOM
1	0 675 91	External indicator and bell pushbutton + badge reader DO NOT DISTURB – MAKE UP THE ROOM
1	0 675 93	To be completed with key covers DO NOT DISTURB – MAKE UP THE ROOM
1	0 675 92	8 push-buttons control for lighting, automation, sound diffusion and scenario functions
		A5 sheets For the customisation of the symbols of Cat.No 0 675 92
1	0 675 96	○ White
1	0 675 95	● Magnesium

Key cover with symbols for control mechanism BUS/SCS

Pack	Cat.Nos	
		Key cover with symbol DO NOT DISTURB - 2 modules
5	5 743 46	○ White
5	5 743 47	● Magnesium
5	5 743 48	○ White
5	5 743 49	● Magnesium
		Couple of key cover with symbol DO NOT DISTURB and symbol PLEASE CLEAN THE ROOM
2	5 743 94	○ White
2	5 743 95	● Magnesium
2	5 743 96	○ White
2	5 743 97	● Magnesium

Display thermostat

Pack	Cat.Nos	
1	0 674 59	Flush mounted thermostat with backlit display. To be equipped with support frames (p. 385) and plates (p. 386 to 393) It can be used to control the temperature of an individual zone, both if a temperature central unit is and is not present. It features a temperature probe and an input for the connection of a contact line (e.g. window contact). It can be used for the management of different types of systems, and the adjustment of the fan speed when fan coils are used Possibility of automatic operation (summer/winter), with compatible systems 2 modules

Keycard switches BUS/SCS

Pack	Cat.Nos	
		Equipped with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393) For energizing a circuit by inserting a key fob Time delay of approx. 30 sec. after card removal Lighting of the slot by LED 2 modules
		Mechanical keycard switch
1	5 722 35	○ White
1	5 727 35	● Magnesium
		RFID keycard switch Only works with ISO 13.56 MHz badges
1	5 722 36	○ White
1	5 727 36	● Magnesium

Scenario controllers BUS/SCS

Pack	Cat.Nos	
		Touch control plates, supplied complete, to be installed in flush-mounting boxes
		4-scene touch control - 4 scenarios "wake up / sleep / TV / relax" scenarios - 2 modules For BS flush-mounting boxes
1	5 740 89	○ White
1	5 745 89	● Black
		6-scene touch control - 6 scenarios "wake up / sleep / TV / relax / open curtains / close curtains" scenarios - 3 modules For British, Italian and American flush-mounting boxes
1	5 740 91	○ White
1	5 745 91	● Black

Accessories

Pack	Cat.Nos	
		Sheet with stickers with symbols for different scenarios for hotel rooms
1	5 740 92	Dark colour
1	5 745 92	White colour


0 035 17


0 035 18


0 035 79


0 035 80

Pack	Cat.Nos	DIN rail actuators 100/240 VA - 50/60 Hz
		Actuator with 8 independent relays
1	0 035 17 N	For the control of on-off valves, motorised valves (open-close and three points), pumps and fan coils with 2 and 4 tubes – 4A resistive, 1A motor valves, pumps and fan-coils 4 DIN modules
		Actuator with 3 independent relays and 2 x 0-10 Volts outputs
1	0 035 19 N	For the control of fan coils with 2 and 4 tubes with proportional 0-10 Volt valves – 4A resistive, 1A fan coil 4 DIN modules
		Actuator with 2 x 0-10 Volt outputs
1	0 035 18 N	For the control of 0-10 proportional valves 2 DIN modules
		Actuator with 2 independent relays
1	0 035 79	For single and double loads: 6 A resistive, 3 A motorised valves and pumps 2 DIN modules 17.5 mm
		Actuator with 4 independent relays
1	0 035 80	For single, double or mixed loads: 6 A resistive, 3 A motorised valves, pumps and fan-coils 2 DIN modules 17.5 mm
		IP scenario module
1	0 035 93	It manages scenarios related to hotel rooms (With basic time and logic conditions) - It works as a gateway for the Configuration software
		Software
		Software for the monitoring of the status of the room, for the corresponding basic management and the programming of badges
1	0 035 95	For hotels with up to 20 rooms
1	0 035 96	For hotels over 20 rooms
		Badge
10	0 675 89	Credit card shaped badge (ISO 50 x 80 mm) It uses transponder technology with frequency 13.56 MHz To be used with programmer Cat.BNo BT-348402 The badge can be customized and is sold in packs of 10
		Programmer
1	BT-348402	Desk device to be connected to the PC (in the reception) to program badges


5 735 02


5 735 03


5 745 12 with customized symbols

Support frame and plate selection charts **p. 386-393**

Directly connected to the KNX BUS (supplied with KNX connectors)
Programming through ETS software

Pack	Cat.Nos	KNX control mechanisms
		For lighting control (ON/OFF, dimming, scenario...), shutters and slats controls and automation control Equipped with 4 programmable LEDs (12 colours available) to indicate the status of the loads and provide system and alarm status feedback To be equipped with support frames and plates (p. 386 to 393)
		Mechanism to be equipped
1	0 675 71	4 actuation points To be equipped with key covers for control mechanism (p. 395 and 408)
		Square version
		4 actuation points - With label holder
1	5 742 03	○ White
1	5 744 04	● Magnesium
		Round version
		4 actuation points - With label holder
1	5 735 02	○ White
1	5 735 03	● Magnesium

		KNX touch control mechanisms
		For lighting control (ON/OFF, dimming, scenario...), shutters and slats controls and automation control Equipped with programmable LEDs (12 colours available) to indicate the status of the loads and provide system and alarm status feedback Supplied with glass plates Upon request, customization of plates possible with any other standard symbols (please contact us)
		4 actuation points
1	5 735 04	○ White
1	5 735 05	● Black
		6 actuation points
1	5 735 12	○ White
1	5 735 13	● Black

		KNX thermostats
		For fan coil units: 2 tubes, 2 tubes + 2 wires and 4 tubes for heating and/or air conditioning For controlling on/off valves, 3 positions and 3 speeds (fan): comfort, economy and protection with manual or automatic selection. Adjustment accuracy + 0.5 °C 2 multi-function inputs for window contacts, summer/winter changeover, etc Backlit display Operating voltage 230 V± Supplied complete with flush-mounting box
1	0 490 29	○ White
1	0 490 30	● Black

Arteor™ hotel equipment

wiring devices



5 727 30



5 722 53



0 767 11



5 721 53

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	
		Mechanical key card switches For energizing a circuit by inserting a key fob Cat.No 5 722 59 or a smart card (access card for a hotel room) Example of use: hotel room power supply only when guest is present Time-delay of approx. 30 sec. after card removal To be equipped with single pole latching relay Cat.Nos 5 722 27 or 5 727 27 (p. 367) 2 modules
		Key card switches 230 V
1	5 722 30	○ White
1	5 727 30	● Magnesium
		Key card switches RFID For energizing a circuit for example meeting room, office, hotel room... Works only with ISO type contactless key card Cat.Nos 0 767 11/12/13 or other ISO type 13.56 MHz key card Time-delay of approx. 30 sec. after card removal Low capacity contact 230 V - 30 VA Lighting of the slot by LED 2 modules
1	5 722 53	○ White
1	5 727 53	● Magnesium
		Key card **For mechanical key card switches** Enables use of key fob switches in hotels with key locks Supplied complete with a label holder for individual hotel identification
10	5 722 59	○ White
10	5 727 59	● Magnesium
		For RFID key card switches
10	0 767 11	MIFARE contactless badge card ISO format (50 x 80 mm) Chip: 13.56 MHz Standard 1 KB memory

Pack	Cat.Nos	
		Shaver sockets Conform to BS EN 61558-2-5 IP 24 For use with European, British, American, Australian 2-pin plugs Screwless live and neutral terminals Double wound isolating transformer Automatic self-resetting overload feature Plug insertion operates micro-switch which energises transformer To be equipped with BS 2 gang - 3-module plates (p. 386, 387) For flush-mounting boxes, use BS 2 gang box depth 48 mm, US type, Italian type boxes depth 48 mm or Cat.No 0 801 55 Power supply: 230 V - 50/60 Hz 3 modules
		230 V / 120-230 V
1	5 721 55	○ White
1	5 726 55	● Magnesium
		230 V / 120-230 V with earth connector
1	5 721 53	○ White
1	5 726 53	● Magnesium
		Chimes 230 V - 50 Hz Consumption: 65 mA 1 melody Tone level: 73 dB at 1 m Compatible with push-button Cat.No 0 416 45
1	5 722 06	○ White
1	5 722 46	● Magnesium

Arteor™ hotel equipment

square version


5 733 82


5 737 22


5 720 57



5 725 54


5 722 24

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Lighting control

Pack	Cat.Nos	
		Master switch - 2 modules 2-way double pole 20 AX - 250 V~ for general control: all ON / all OFF
10	5 732 84	○ White
10	5 737 84	● Magnesium
		Master push-button - 2 modules 2-way 6 A - 250 V~ for general control: all ON/ all OFF
10	5 732 86	○ White
10	5 737 86	● Magnesium
		Switch for bed lights - 2 x 1 module 2 x 2-way switch - 10 AX - 250 V~
10	5 732 94	○ White
5	5 737 94	● Magnesium
		Push-button for bed lights - 2 x 1 module 2 x 2-way push-button - 6 A - 250 V~
10	5 732 96	○ White
5	5 737 96	● Magnesium
		Switch for desk and entrance lights - 2 x 1 module 2 x 2-way switch - 10 AX - 250 V~
10	5 733 82	○ White
5	5 738 82	● Magnesium
		Push-button for desk and entrance lights - 2 x 1 module 2 x 2-way push-button - 6 A - 250 V~
10	5 733 84	○ White
5	5 738 84	● Magnesium

Electric roller blinds control - 250 VA

		Double switch 10 A - 2 modules For direct control of a motor (mechanism with fixed positions)
10	5 732 22	○ White
10	5 737 22	● Magnesium
		Double push-button 10 A - 2 modules For control via automatic box (N/O mechanism)
10	5 732 24	○ White
10	5 737 24	● Magnesium

Curtain control - 250 VA

		Double switch 10 A - 2 modules For direct control of a motor (mechanism with fixed positions)
10	5 732 34	○ White
10	5 737 34	● Magnesium
		Double push-button 10 A - 2 modules For control via automatic box (N/O mechanism)
10	5 732 36	○ White
10	5 737 36	● Magnesium

Hotel bedroom call indicators

Pack	Cat.Nos	
		Enable the resident to inform hotel staff of the room status Two settings are possible: - Do not disturb - Please clean the room 2 x 1 module
		Indicator for corridor Indicator lamp and bell push Installed in the corridor, display calls Supplied with LED
5	5 720 57	○ White
5	5 725 57	● Magnesium
		Internal control unit Allows the user to select the desired setting Supplied with LED
5	5 720 54	○ White
5	5 725 54	● Magnesium

Illuminated signs

		Mechanisms integrating LEDs and a pivoting window that can take customised labels (printed using a simple text editor on transparent printing paper) 2 modules
		Green or red LEDs Sign with 2-state LEDs with choice of green or red configurable on the mechanism Power level: 1 W
5	5 722 24	○ White
5	5 727 24	● Magnesium
		Blue LEDs Sign with blue LEDs A choice of 2 power levels: 0.2 or 1 W
5	5 722 25	○ White
5	5 727 22	● Magnesium

Buzzers

		230 V - 1 module
10	5 722 04	○ White
5	5 727 04	● Magnesium
		230 V - 2 modules
10	5 722 07	○ White
10	5 722 47	● Magnesium
		8 V - 2 modules
10	5 722 45	● Magnesium

Shaver sockets and key card switches, **p. 397**



Arteor™ hotel equipment

round version


5 732 95


5 737 35


5 725 67



5 725 74

Support frame and plate selection charts **p. 386-393**

Mechanisms supplied with rocker plates, to be equipped with support frames (p. 385) and plates (p. 386 to 393)

Pack	Cat.Nos	Lighting control
		Master switch - 2 modules 2-way double pole 20 AX - 250 V~ for general control: all ON / all OFF
10	5 732 85	○ White
10	5 737 85	● Magnesium
		Master push-button - 2 modules 2-way 6 A - 250 V~ for general control: all ON/ all OFF
10	5 732 87	○ White
10	5 737 87	● Magnesium
		Switch for bed lights - 2 x 1 module 2 x 2-way switch - 10 AX - 250 V~
5	5 732 95	○ White
5	5 737 95	● Magnesium
		Push-button for bed lights - 2 x 1 module 2 x 2-way push-button - 6 A - 250 V~
5	5 732 97	○ White
5	5 737 97	● Magnesium
		Switch for desk and entrance lights - 2 x 1 module 2 x 2-way switch - 10 AX - 250 V~
5	5 733 83	○ White
5	5 738 83	● Magnesium
		Push-button for desk and entrance lights 2 x 1 module 2 x 2-way push-button - 6 A - 250 V~
5	5 733 85	○ White
5	5 738 85	● Magnesium

Pack	Cat.Nos	Electric roller blinds control - 250 VA
		Double switch 10 A - 2 modules For direct control of a motor (mechanism with fixed positions)
10	5 732 23	○ White
10	5 737 23	● Magnesium
		Double push-button 10 A - 2 modules For control via automatic box (N/O mechanism)
10	5 732 25	○ White
10	5 737 25	● Magnesium

Pack	Cat.Nos	Curtain control - 250 VA
		Double switch 10 A - 2 modules For direct control of a motor (mechanism with fixed positions)
10	5 732 35	○ White
10	5 737 35	● Magnesium
		Double push-button 10 A - 2 modules For control via automatic box (N/O mechanism)
10	5 732 37	○ White
10	5 737 37	● Magnesium

Pack	Cat.Nos	Hotel bedroom call indicators
		Enable the resident to inform hotel staff of the room status Two settings are possible: - Do not disturb - Please clean the room 2 x 1 module
		Indicator for corridor Indicator lamp and bell push Installed in the corridor, display calls Supplied with LED
5	5 720 67	○ White
5	5 725 67	● Magnesium
		Internal control unit Allows the user to select the desired setting Supplied with LED
5	5 720 74	○ White
5	5 725 74	● Magnesium

Pack	Cat.Nos	Illuminated signs
		Mechanisms integrating LEDs and a pivoting window that can take customised labels (printed using a simple text editor on transparent printing paper) 2 modules
		Green or red LEDs Sign with 2-state LEDs with choice of green or red configurable on the mechanism 1-way
5	5 727 25	● Magnesium
		Blue LEDs Sign with blue LEDs A choice of 2 power levels: 0.2 or 1 W
5	5 727 23	● Magnesium

Pack	Cat.Nos	Buzzers
		230 V - 2 modules
10	5 722 08	○ White
10	5 722 48	● Magnesium

RJ 45 and audio/video sockets, **p. 375 to 382**





HOME AUTOMATION & HOME NETWORK

Arteor Radio/ ZigBee® technology



NEW
P. 402
Key cover selection charts



NEW
P. 408
Key cover selection charts

Arteor BUS/SCS technology



NEW
P. 418
Sound diffusion

Home Network



P. 424
Classic Home Network



P. 433
Internal optical termination device

NEW PRODUCTS 2014



Arteor Radio/ZigBee®
mechanisms and key covers for a complete product
(p. 402)



Arteor BUS/SCS
mechanisms and key covers for a complete product
(p. 408)

MyHOME® automation

The answer for all home automation requirements, from a single function to global integrated solutions.
My Home Legrand supports 2 technologies: Radio using ZigBee® protocol and BUS using SCS protocol.



NEW
P. 403
Lighting and roller blinds controllers/receivers



NEW
P. 404
Lighting and roller blinds transmitters



NEW
P. 404
Scenario controllers



P. 405
Other functions



NEW
P. 409
Lighting control and automation



NEW
P. 411
Modular equipment for lighting control and automation



NEW
P. 414
Temperature control



P. 416
Intruder alarm



P. 420
Energy and load shielding management



NEW
P. 421
Home system and door entry system



P. 426
Evolutive Home Network



P. 428
Evolutive + Home Network



NEW
P. 432
FTTH
Fibre to the Home preterminated solution



P. 432
FTTH
Fibre to the Home prewired solution

VISIT ARTEOR
VIRTUAL HOUSE



MyHome Screen 3.5" and 10"

colour touch screens for home system management
(p. 421)



FTTH Fibre To The Home

preterminated and prewired solution
(p. 432)


5 745 58


5 745 61


5 745 67


5 745 96


5 745 80


5 745 82

Key cover description	ROUND VERSION			SQUARE VERSION		
		White ○	Black ●		White ○	Black ●
Lighting switch 1 circuit		5 745 55	5 745 56		5 745 73	5 745 74
Lighting switch 2 circuits		5 745 57	5 745 58		5 745 75	5 745 76
Lighting switch 3 circuits		5 745 59	5 745 60		5 745 96	5 745 97
Lighting dimmer with blue LED bargraph		5 745 61	5 745 62	-	-	-
Lighting dimmer without blue LED bargraph		5 745 63	5 745 64		5 745 81	5 745 82
Lighting dimmer 2 circuits with blue LED bargraph		5 745 65	5 745 66		5 745 79	5 745 80
Roller blind control		5 745 67	5 745 68		5 745 83	5 745 84
4 scenario controller		5 745 69	5 745 70		5 745 77	5 745 78
False key cover		5 745 71	5 745 72		5 745 85	5 745 86

For a complete product:



=


Mechanism

+


Key cover

ZigBee®: Certified product Manufacturer Specific Profile

Arteor™

lighting and roller blind controllers/receivers Radio/ZigBee®


0 672 34


5 735 45


5 735 46


0 672 63

Support frame and plate selection charts **p. 386-393**. Load selection charts **p. 407**
Key cover selection charts **p. 402**

Receivers to be equipped with round or square key cover (p. 402) and with 2-module plates (p. 386 to 393)
To be installed in flush-mounting boxes min. depth 40 mm
To be equipped with 2-module support frames
Connect to the load and can be controlled by remote control transmitters, scenario switches, mobile control units and detectors (p. 404 to 406)

Pack	Cat.Nos	Lighting controllers/receivers (switches) 100/240 VA
		Each active button on the receivers is identified by LED (blue LED indicator status supplied)
1	0 672 31	**Switch without neutral - 300 W - 1 circuit** To be equipped with round or square key cover, see selection chart (p. 402)
1	5 735 44	**Switch without neutral - 2 x 300 W - 2 circuits** Supplied with support frame To be equipped with round or square key cover, see selection chart (p. 402)
1	0 672 33	**Switch with neutral - 2500 W - 1 circuit** To be equipped with round or square key cover, see selection chart (p. 402)
1	0 672 34	**Switch with neutral - 2 x 1000 W - 2 circuits** To be equipped with round or square key cover, see selection chart (p. 402)
1	5 735 45	**Switch with neutral - 3 x 1000 W - 3 circuits** To be equipped with round or square key cover, see selection chart (p. 402)

Pack	Cat.Nos	Lighting controllers/receivers (dimmers) 100/240 VA
		Each active button on the receivers is identified by LED (with blue LED bargraph)
1	0 672 37	**Leading/trailing edge dimmer without neutral - 300 W** To be equipped with round or square key cover, see selection chart (p. 402)
1	5 735 46	**Leading/trailing edge dimmer without neutral - 600 W** To be equipped with round or square key cover, see selection chart (p. 402)
1	5 735 49	**Leading/trailing edge dimmer without neutral - 2 x 300 W** Supplied with support frame To be equipped with round or square key cover, see selection chart (p. 402)
1	5 735 47	**Universal dimmer with neutral - 400 W** To be equipped with round or square key cover, see selection chart (p. 402)
1	5 735 48	**0-10 V dimmer** To be equipped with round or square key cover, see selection chart (p. 402)

Pack	Cat.Nos	Roller blind controller/receiver - 100/240 VA
1	0 672 63	With neutral To be equipped with round or square key cover, see selection chart (p. 402)

ZigBee®: Certified product Manufacturer Specific Profile

Arteor™

lighting and roller blind transmitters Radio/ZigBee®



0 672 35

Support frame and plate selection charts **p. 386-393**
Key cover selection charts **p. 402**

To be equipped with round or square key cover (p. 402) 2-module plate (p. 386 to 393) and multi-standard support frame (with removable fins) Cat.No 5 735 51
Surface mounting with direct fixing of support frame on wall
Control one or more Radio/ZigBee® receivers
No wiring needed
Supplied with batteries

Pack	Cat.Nos	Lighting remote control transmitters
1	0 672 35	**For 1 circuit switch controllers** To be equipped with round or square key cover, see selection chart (p. 402)
1	0 672 36	**For 2 circuit switch controllers** To be equipped with round or square key cover, see selection chart (p. 402)
1	0 672 39	**For dimmer controllers** To be equipped with round or square key cover, see selection chart (p. 402)
		Roller blind control transmitter
1	0 672 64	**For roller blind controllers** To be equipped with round or square key cover, see selection chart (p. 402)

Arteor™

scenario controllers Radio/ZigBee®



5 738 70



0 882 32



0 883 07

Support frame and plate selection charts **p. 386-393**

Pack	Cat.Nos	Wall mounting scenario controller
1	0 672 40	To be equipped with round or square key cover (p. 402), 2-module plate (p. 386 to 393) and multi-standard support frame (with removable fins) Cat.No 5 735 51 Standard rocker plates and plates can be replaced by touch plates Surface mounting with direct fixing of support frame on wall No wiring needed Supplied with batteries **4-scenario controller** 4 push-buttons to control 4 scenarios (1 scenario can control several functions: shutters, lighting...) To be equipped with round or square key cover, see selection chart (p. 402)
		Touch plates for scenario controller
		British standard touch plates
1	5 737 90	○ White
1	5 737 91	● Black
		Italian and American standard touch plates
1	5 737 92	○ White
1	5 737 93	● Black
		Multistandard support frame
1	5 735 51	For scenario controllers, light and roller blind transmitter Radio/ZigBee®
		Mobile scenario controllers
		1 scenario can control several functions: lighting level adjustment, roller blinds, general ON or OFF...
1	5 738 70	**Pocket scenario controller** 4-scenario controller For Radio/ZigBee® installation Supplied with batteries
1	0 882 32	**Radio/ZigBee® - IR remote control** 5-scenario controller Supplied with batteries
1	0 883 07	**Mobile scenario controller** 6-scenario controller Can control a dimmer group by high volt contact Supplied with batteries

ZigBee®: Certified product Manufacturer Specific Profile

Arteor™

other functions Radio/ZigBee®


0 883 05


0 883 25


5 738 62


0 883 26

Load selection charts **p. 407**

Pack	Cat.Nos	Radio/ZigBee® micromodule switch
1	0 883 05	 1 output - 300 W Enables control points to be added to improve an existing installation without damage to the walls Controls energy-saving, LED, halogen and incandescent bulbs To be installed near the lamp with neutral with Cat. No 0 306 54 (plug-in ceiling rose) for example Its receiver function is used to execute commands received from scenario switches, centralised control units, etc (p. 404, 406) Phase/neutral power supply

Pack	Cat.Nos	Transmitter/receiver mobile sockets
		Connect directly to an existing 2P+E socket to switch the light connected to the socket Its receiver function is used to execute commands received from scenario switches, centralised control units, etc (p. 404, 406)
		Radio/ZigBee® mobile dimmer switch-sockets 500 VA 2 lighting levels (factory-preset and modifiable by the user)
1	0 883 22	 German standard
1	0 883 20	 British standard
		Radio/ZigBee® switch-sockets 10 A
1	0 883 25	 German standard
1	0 883 23	 British standard

Pack	Cat.Nos	Transmitter/receiver control units for false ceiling - 100-240 VA
		Its receiver function is used to execute, on its circuits, on/off commands received from centralised control units, scenario switches, mobile control units, etc (p. 404, 406)
		Universal switch - phase/neutral
1	5 738 62	 1 output - 2500 W
		Dimmer for all loads (excluding fluorescent and LEDs) - without neutral
1	5 738 64	 1 output - 600 W
		Dimmer for 1-10 V ballast - phase/neutral
1	5 738 66	 1 output - 500 VA

Pack	Cat.Nos	Plexo Programme radio transmitter/receiver switch
1	0 695 03	 2500 W Its transmitter function allows it to control another lighting Radio/Zigbee® receiver switch Its receiver function is used to execute commands received from centralised control units, scenario switches, mobile control units, etc (p. 404, 406) 3-wire installation in box depth 40 mm min.

Pack	Cat.Nos	Weatherproof radio individual blind switch for mounting in a head rail with slat orientation
1	0 883 26 N	 Controls motors (without encoder) electric blinds for lowering/raising/stopping the blind Installed in the loft or in the blind head rail during modernisation of an existing blind without damage to the walls Must be used together with a centralised switch Cat.No 0 672 64 Must remain accessible for any programming necessary Maximum loads supported in 230 VA: 1 x 500 VA

Pack	Cat.Nos	Radio transmitter/receiver multifunction switches - 230 VA
		Switches for controlling 1 or 2 circuits connected to its terminals according to 3 different operating modes: time-lag switch, switch, remote control switch Its receiver function is used to execute, on its circuits, on/off commands received from individual control units, centralised control units, scenario switches, mobile control units, etc (p. 404, 406) Phase/neutral power supply
1	5 738 58	 Weatherproof multifunction switch 2500 W
1	5 738 60	 Weatherproof multifunction 2-gang switch 2 x 2500 W

ZigBee®: Certified product Manufacturer Specific Profile



0 672 50



0 883 32

Support frame and plate selection charts **p. 386-393**

Pack	Cat.Nos	Indoor temperature sensor
1	0 883 30	IP 21 For indoor use only Setting: 2 temperature thresholds Temperature ranges: from - 10°C to + 40°C Can be used to initiate 2 scenarios when the temperature is higher than the high threshold or lower than the low threshold

Pack	Cat.Nos	Water-heater switch - receiver
1	5 735 50 N	Can be activated by any other radio device To be equipped with 2-module plates and 2-module support frame (p. 386 to 393) To be installed in flush-mounting box min. depth 40 mm  To be equipped with round or square key cover (for 1 lighting circuit), see selection chart (p. 402)

Pack	Cat.Nos	BUS/SCS-Radio/ZigBee® Arteor gateways
1	0 672 50 N	To be equipped with 2-module plates and 2-module support frames (p. 386 to 393) To be installed in flush-mounting boxes min. depth 40 mm Used to link a BUS/SCS installation and an additional Radio/ZigBee® installation Used to control up to 32 transmitters  To be equipped with round or square false key cover, see selection chart (p. 402)

Pack	Cat.Nos	Transmitters with auxiliary inputs
1	0 883 31	**Product for light control** Can be used to initiate ON/OFF on closing or opening of a volt-free contact For controlling a Radio/ ZigBee® installation using commercially-available detectors (eg: light sensitive switch, moisture sensor) Fits behind a traditional switch, without damage to the walls, to control a Radio/ZigBee® switch
1	0 883 32 N	**For scenario control** Can be used to launch 2 scenarios when closing and opening with a volt free contact For controlling scenario Radio/Zigbee® installation using commercially available detectors (moisture sensor, wind/sun captors or from the smoke detectors)

ZigBee®: Certified product Manufacturer Specific Profile

Switches and dimmers maximum loads at 230 V (for values at 110 V, please halve values)

Universal

Leading edge | Trailing edge

	Cat.Nos	Incandescent lamp	Halogen lamp	ELV halogen with ferromagnetic transformer	ELV halogen with electronic transformer	Fluorescent tube	Compact fluorescent lamp	LED	Fluorescent lamps with 0-10 V ballast	Reducer motor for shutter
SWITCHES	0 672 31	60 W - 300 W	60 W - 300 W	60 VA - 300 VA	60 VA - 300 VA	-	-	-	-	-
	5 735 44	2 x 60 W 2 x 300 W	2 x 60 W 2 x 300 W	2 x 60 VA 2 x 300 VA	2 x 60 VA 2 x 300 VA	-	-	-	-	-
	0 672 33	2500 W	2500 W	2500 VA	2500 VA	1250 VA	1250 VA	1250 VA	-	-
	0 672 34	2 x 1000 W	2 x 1000 W	2 x 1000 VA	2 x 1000 VA	2 x 500 VA	2 x 500 VA	2 x 500 VA	-	-
	5 735 45	3 x 1000 W	3 x 1000 W	3 x 1000 VA	3 x 1000 VA	3 x 500 VA	3 x 500 VA	3 x 500 VA	-	-
	0 672 63	-	-	-	-	-	-	-	-	500 VA
	0 883 27	-	-	-	-	-	-	-	-	500 VA
	5 738 62	2500 W	2500 W	2500 VA	2500 VA	1250 VA	1250 VA	1250 VA	-	-
	5 738 58	2500 W	2500 W	2500 VA	2500 VA	1250 VA	1250 VA	1250 VA	yes	-
	5 738 60	2 x 2500 W	2 x 2500 W	2 x 2500 VA	2 x 2500 VA	2 x 1250 VA	2 x 1250 VA	2 x 1250 VA	yes	-
	0 883 05	300 W	300 W	300 VA	300 VA	150 VA	150 VA	150 VA	-	-
	0 883 23/25	2500 W	2500 W	2500 VA	2500 VA	1250 VA	1250 VA	1250 VA	-	-
DIMMERS	0 672 37	60 W - 300 W	60 W - 300 W	60 VA - 300 VA	60 VA - 300 VA	-	-	-	-	-
	5 735 49	2 x 60 W 2 x 300 W	2 x 60 W 2 x 300 W	2 x 60 VA 2 x 300 VA	2 x 60 VA 2 x 300 VA	-	-	-	-	-
	5 735 46	600 W	600 W	450 VA	600 VA	-	-	-	-	-
	5 735 47	40 W - 300 W	40 W - 300 W	8 VA - 300 VA	8 VA - 300 VA	-	160 VA	160 VA	-	-
	5 735 48	-	-	-	-	-	-	-	1000 VA	-
	5 738 66	-	-	-	-	-	-	-	1000 VA	-
	5 738 64	600 W	600 W	450 VA	600 VA	-	-	-	-	-
	0 883 20/22	60 W/500 W	60 W/500 W	60 VA/500 VA	60 VA/500 VA	-	-	-	-	-



5 745 05



5 745 08



5 745 38


5 745 17


5 745 43


5 745 22


5 745 19


5 745 42


5 745 16


5 745 36



5 744 86



5 744 81


5 744 76



5 744 79


5 744 69



5 744 80

Key cover description	Pack	Number of modules	ROUND VERSION			SQUARE VERSION		
				White ○	Magnesium ●		White ○	Magnesium ●
Regulation symbol left-hand side mounting	5	1		5 745 05	5 745 06		5 744 87	5 744 86
Regulation symbol right-hand side mounting	5	1		5 745 07	5 745 08			
Regulation symbol	5	2		5 745 37	5 745 38		5 744 89	5 744 88
Light symbol any side mounting	5	1		5 745 17	5 745 18		5 744 75	5 744 74
Light symbol	5	2		5 745 43	5 745 44		5 744 77	5 744 76
Dimmer symbol left-hand side mounting	5	1		5 745 20	5 745 22		5 744 69	5 744 68
Dimmer symbol right-hand side mounting	5	1		5 745 19	5 745 21			
Dimmer symbol	5	2		5 745 41	5 745 42		5 744 71	5 744 70
Up/Down symbol any side mounting	5	1		5 745 15	5 745 16		5 744 93	5 744 92
Up/Down symbol	5	2		5 745 35	5 745 36		5 744 95	5 744 94
GEN marking	5	2		5 745 39	5 745 40		5 744 73	5 744 72
GEN/ON/OFF marking left-hand side mounting	5	1		5 745 24	5 745 26		5 744 83	5 744 82
GEN/ON/OFF marking right-hand side mounting	5	1		5 745 23	5 745 25			
GEN/ON/OFF marking	5	2		5 745 31	5 745 32		5 744 85	5 744 84
ON/OFF marking left-hand side mounting	5	1		5 745 28	5 745 30		5 744 79	5 744 78
ON/OFF marking right-hand side mounting	5	1		5 745 27	5 745 29			
ON/OFF marking	5	2		5 745 33	5 745 34		5 744 81	5 744 80
Sound source selection right-hand mounting	5	1		5 745 11	5 745 12		5 744 91	5 744 90
Shutter STOP marking any side mounting	5	1		5 745 45	5 745 46		5 745 47	5 745 48
Without marking any side mounting	5	1		5 745 09	5 745 10		5 744 65	5 744 64
Without marking	5	2		5 745 13	5 745 14		5 744 67	5 744 66


0 675 52



5 739 05


0 036 66

Support frame and plate selection charts **p. 386-393**
Key cover selection charts **p. 408**

Basic control mechanisms

For controlling a controller (eg: lighting, shutters or lighting + shutters) depending on the selected configuration
Used to manage groups of functions and centralise them (scenario switch type)
To be installed in flush-mounting boxes

Micropush control mechanisms
To be equipped with key covers (p. 408), support frames and plates (p. 386 to 393)

Pack	Cat.Nos	
1	0 675 52 N	 2 modules For controlling 1 or 2 controllers
1	0 675 54 N	 3 modules For controlling up to 3 controllers

Multi-functions control mechanisms

For controlling 1 or 2 controllers (eg: ON/OFF, shutters, scenario control) sound system, door release control, dimming: gradual switching on or off depending on the selected configuration
To be installed in flush-mounting boxes

Micropush control mechanism
To be equipped with key covers (p. 408), support frames and plates (p. 386 to 393)
Can control up to 4 scenarios

Pack	Cat.Nos	
1	0 675 53 N	 2 modules

Touch control mechanisms - 2 modules
Supplied complete, equipped with white or black touch plates
Can control up to 4 scenarios

Pack	Cat.Nos		
1	5 739 04		○ White - for BS flush-mounting boxes
1	5 739 05		● Black - for BS flush-mounting boxes
1	5 739 06		○ White - for 2"x 4" flush-mounting boxes
1	5 739 07		● Black - for 2"x 4" flush-mounting boxes

Touch control mechanisms - 3 modules
Supplied complete, equipped with white or black touch plates
Can control up to 6 scenarios
For installation in BS, Italian or US flush-mounting boxes

Pack	Cat.Nos		
1	5 739 12		○ White
1	5 739 13		● Black

Flush-mounting controller with built-in control

Pack	Cat.Nos	
1	0 675 56 N	 For controlling two lighting circuits or a blind motor Slat orientation control 2 outputs - 2 A 230 V power supply To be installed in flush-mounting boxes To be equipped with key covers (p. 408), support frames and plates (p. 386 to 393)

Advanced rolling shutter management devices

Relay interlocking or pulse based motor drive
Position status return: closed, open, intermediate position. Drive following different orders: up, down, or opening

2-relay controller for the driving of a motor

Pack	Cat.Nos	
1	0 036 66 N	Maximum motor power: 500 W Logic relay interlocking 2 DIN modules 17.5 mm

Controller with integrated control for the driving of a motor equipped

Pack	Cat.Nos	
1	0 675 57 N	To be equipped with key covers: - shutter STOP marking Cat.Nos 5 745 45/46/47/48 - up/down symbol Cat.Nos 5 745 15/16 or 5 744 92/93 To be equipped with plate and support frame (p. 386 to 393) Maximum motor power: 500 W Logic relay interlocking Stop, up, down function Possibility of blade angle adjustment Recall of a previously saved opening/closing position Recording of the opening/closing position on the control using self-learning procedure

Specific advanced motor management control

Pack	Cat.Nos	
1	0 675 58 N	To be equipped with key covers: - shutter STOP marking Cat.Nos 5 745 45/46/47/48 - up/down symbol Cat.Nos 5 745 15/16 or 5 744 92/93 To be equipped with plate and support frame (p. 386 to 393) Point-point, room, group, and general control of the motor controlled rolling shutters, to be used in conjunction with actuators Cat.Nos 0 036 66 or 0 675 57 Stop, up, down function Possibility of blade angle adjustment Recall of a previously saved opening/closing position Recording of the opening/closing position on the control using self-learning procedure

Key covers for micropush control mechanisms, **p. 408**



Installation principle, **see e-catalogue**


5 739 02


5 739 03 (for example scenario IN / OUT / DINNER / RELAX)



5 737 16


0 882 32


5 739 01

Support frame and plate selection charts **p. 386-393**

Scenario controllers

For controlling a number of controllers and managing 4 scenarios
To be used in conjunction with scenario module Cat.No 0 035 51 (p. 411)
Supplied complete with scenario identification label
Equipped with cover plates
To be equipped with support frames and plates (p. 386 to 393)
2 modules

Pack	Cat.Nos	
1	5 739 02	○ White
1	5 739 03	● Magnesium

N

1	5 745 03	○ White
1	5 745 04	● Magnesium

8 push-buttons control

Mechanism
For lighting, automation, sound diffusion and scenario functions
To be equipped with support frame and plates (p. 386 to 393)
2 modules

N

1	0 675 92	

A5 sheets
For the customisation of the symbols of Cat.No 0 675 92

N

1	0 675 96	○ White
1	0 675 95	● Magnesium

Touch screens

Used to control manually or by programming one of the following functions:
- control of 4 scenarios
- display and centralised management of temperature (1 zone)
- sound system (display and selection of sound distribution sources
- adjusting loudspeakers and setting the wake-up function)

Equipped with cover plates
To be equipped with support frames and plates (p. 386 to 393)

N

1	5 737 16	○ White
1	5 737 17	● Magnesium

IR remote control

For remote control of equipment wired on the BUS (eg: lighting, shutters, etc.)

Radio/ZigBee® - IR remote control
For use in conjunction with infrared receiver

Pack	Cat.Nos	
1	0 882 32	5-scenario controller Supplied with batteries

IR receivers
Equipped with round version cover plates, to be equipped with support frames and plates (p. 386 to 393)
Can take up to 4 control units
Must be installed in the infrared remote control relay Cat.No 0 882 32 (the receiver sends the command from the remote control to the product concerned)

1	5 739 00	○ White
1	5 739 01	● Magnesium

ZigBee®: Certified product Manufacturer Specific Profile

Lighting management, **p. 590**



Arteor™

modular equipment for lighting control and automation BUS/SCS


0 036 52


0 026 02


0 035 52


0 035 51


0 035 62

Load selection charts **p. 413**
Technical characteristics **see e-catalogue**

Multi-application DIN controllers

Pack	Cat.Nos	
		NO contact For lighting and motors 2 DIN modules 17.5 mm
1	0 038 41	1 output 16 A
1	0 038 42	2 outputs 10 A
1	0 038 44	4 output 6 A - common phase

DIN controllers for dimming

For use in conjunction with loads and control mechanisms (p. 408) for dimming control

		For incandescent, halogen and ferromagnetic loads
1	0 036 52	Load: 60 - 1000 W / 230 V - 50 Hz 4 DIN modules 17.5 mm
		For electronic transformers loads 1 output
1	0 036 53	Load: 60 - 400 VA / 230 V - 50 Hz 4 DIN modules 17.5 mm
		For dimmable LEDs and CFL (Compact Fluorescent Lamps) incandescent, halogen lamps and electronic transformers
1	0 036 65	1 output Load: 1 - 300 VA / 230 V or 1 - 150 VA / 127 V 4 DIN modules 17.5 mm
1	0 026 27	6 outputs - 12 DIN modules 17.5 mm - 300 VA per output - 230 V - Not CE marked
		For 1-10 V ballasts
1	0 036 56	Load: 500 VA maximum 2 DIN modules 17.5 mm
1	0 026 11	1 output - 1000 VA maximum 6 DIN modules 17.5 mm
		For DALI protocol
1	0 026 31	Enables communication between the BUS/SCS installation and the lighting appliances controlled by DALI protocol 6 DIN modules 17.5 mm
		For incandescent, halogen 230 V, ELV halogen with electronic or ferromagnatic transformer 6 DIN modules 17.5 mm Automatic recognition of the load
1	0 026 21	1 output - 1000 W maximum
1	0 026 22	2 outputs - 400 W maximum per output

DIN on/off lighting controllers

		For lighting (commercial sector)
1	0 026 01	2 outputs 16 A 4 DIN modules 17.5 mm
1	0 026 02	4 outputs 16 A 6 DIN modules 17.5 mm

BUS power supplies

Pack	Cat.Nos	
		27 V⎓ - 1.2 A Maximum consumption: 300 mA Maximum current supplied: 1.2 A 8 DIN modules 17.5 mm
1	0 035 60	Input voltage: 230 VA output voltage 27 V⎓
1	5 739 97	Input voltage: 127 VA output voltage 27 V⎓
		27 V⎓ - 0.6 A Maximum current supplied: 0.6 A 2 DIN modules 17.5 mm
1	0 035 67	Input voltage: 230 VA output voltage 27 V⎓

RJ adaptor

		For connecting Cat.Nos 0 026 01/02/21/22/11 to the BUS
10	0 488 72	Male connector

Contact interfaces

		Allow the connection between traditional wiring devices such as switches, time delay switches or external sensors 2 independent contacts
1	0 035 53	2 DIN modules 17.5 mm
1	5 739 96	Basic modularity to be installed in flush-mounting box

Additional DIN devices

		Memory module for actuators
1	0 035 52	Restore the last state of an actuator in case of a power failure 2 DIN modules 17.5 mm
		Scenario module
1	0 035 51	Allows creation of scenarios by linking different functions. Up to 16 scenarios 2 DIN modules 17.5 mm
		SCS-SCS gateway (extension)
1	0 035 62	Allows the extension of the installation or the integration between different functions Suitable for larger installations 2 DIN modules 17.5 mm

Installation principle, **see e-catalogue**



0 488 23
(directional head)



5 740 48



0 492 13



0 492 19



0 261 45

Pack	Cat.Nos	180° corner sensors
		Check presence and light level continuously, switch off when there is sufficient natural light Automatic switch-on/off (factory setting) Precise on-site adjustment using configuration tool (p. 596) Connect to controllers by cord or RJ 45 cable or BUS/SCS cable to be fitted with RJ 45 connector Cat.No 0 488 72 (p. 596)
		PIR technology wall/surface-mounting lighting management sensor, 180°
1	0 488 24	With directional head, range (front) 5 m IP 42 Consumption: 0.2 W on standby Supplied with fixing plate
		Dual technology wall/surface-mounting lighting management sensor, 180°
1	0 488 23	Infrared and ultrasonic detection with directional head, range (front) 7 m Consumption: 0.5 W on standby Supplied with fixing plate

Pack	Cat.Nos	180° switch sensors
		PIR technology wall, flush-mounting lighting management sensors, 180° Range 8 m Recommended fixing height: 1.2 m IP 41 Consumption: 0.2 W on standby Integrated push-button For installation in box, depth 40 mm min., or in surface-mounting box Cat.No 5 723 90 2 modules
1	5 740 46	○ White
1	5 740 96	● Magnesium
		Dual technology wall, flush-mounting lighting management sensors, 180° Infrared and ultrasonic detection, range 8 m Recommended fixing height: 1.2 m IP 41 Consumption: 0.2 W on standby Integrated push-button For installation in box, depth 40 mm min., or in surface-mounting box Cat.No 5 723 90 2 modules
1	5 740 48	○ White
1	5 740 98	● Magnesium

Pack	Cat.Nos	BUS/SCS cables
		Conform to IEC 45-5 and IEC 20-20 Grey
1	0 492 31	Length 100 m
1	0 492 32	Length 500 m
1	0 492 74	Length 1000 m - Supplied on wooden reels
	N	

Pack	Cat.Nos	BUS spare clamp
		Used to connect the various system components (controls, dimmers, etc) to the BUS line
10	0 492 22	Male connector

Pack	Cat.Nos	USB cable
1	0 492 34	Programming cable

Pack	Cat.Nos	Plug-in jumpers
		Used to associate an address with the different system components
10	0 492 00	0
10	0 492 01	1
10	0 492 02	2
10	0 492 03	3
10	0 492 04	4
1	0 492 05	5
1	0 492 06	6
10	0 492 07	7
10	0 492 08	8
10	0 492 09	9
5	0 492 10	GEN
5	0 492 11	GR
5	0 492 12	AMB
5	0 492 13	AUX
5	0 492 14	ON
5	0 492 15	OFF
5	0 492 16	O/I
5	0 492 17	PUL
5	0 492 18	SLA
5	0 492 19	CEN
5	0 492 20	↑↓
5	0 492 21	↑↓M
1	0 492 37	Kit with: AUX, GEN, GR, AMB, ON, OFF, O/I, PUL, SLA,CEN, ↑↓, ↑↓M (10 pieces of each figure)
1	0 261 45	Kit with «0 to 9» jumpers (10 of each number)
1	0 492 65	Plier for plug-in jumpers
	N	

Pack	Cat.Nos	Virtual configuration software
		Used to configure mechanisms and controllers in the installation for applications such as lighting, shutters and temperature control For use in conjunction with TCP-IP web server (p. 421)
1	0 883 97	Comprising: 1 CD with software for PC
	N	

Installation principle,
see e-catalogue

Actuators and dimmers max. loads at 230 V

	Cat.Nos	Incandescent lamp	Halogen lamp	ELV halogen with ferromagnetic transformer	ELV halogen with electronic transformer	Fluorescent tube	Compact fluorescent lamp	LED	Fluorescent lamps with 0-10 V ballast	Reducer motor for shutter
		Universal								
		Leading edge			Trailing edge					
ACTUATORS	0 038 41	10 A - 2300 W	10 A - 2300 W	4 A - cos φ 0.5 920 VA	4 A - 920 VA	920 W	500 VA 10 lamps max.	500 W 10 lamps max.	-	-
	0 038 42	6A - 1380 W	6A - 1380 W	2 A - cos φ 0.5 460 VA	1 A - 230 VA	230 W	250 VA 4 lamps max.	250 W 4 lamps max.	-	2 A - 460 W
	0 038 44	2A - 460 W	2A - 460 W	2 A - cos φ 0.5 460 VA	0.3 A - 70 VA	70 W	70 VA 2 lamps max.	70 W 2 lamps max.	-	2 A - 460 W
	0 026 01	2 x 3600 W	2 x 3600 W	2 x 3600 VA	2 x 3600 VA	2 x 1000 VA	2 x 1000 VA	-	-	-
	0 026 02	4 x 1000 W	4 x 1000 W	4 x 500 VA	4 x 500 VA	4 x 500 VA	4 x 500 VA	4 x 500 VA		4 x 100 VA
DIMMERS	0 036 56	-	-	-	-	-	-	-	460 W - max. 10 ballast type T5, T8, compact or driver for LED	-
	0 026 11	-	-	-	-	-	-		1000 VA - 50 mA	-
	0 026 21	1000 W	1000 W	1000 VA	1000 VA	-	-	-	-	-
	0 026 22	2 x 400 W	2 x 400 W	2 x 400 VA	2 x 400 VA	-	-	-	-	-
	0 036 52	0.25 - 4.3 A 60 - 1000 W	0.25 - 4.3 A 60 - 1000 W	0.25 - 4.3 A 60 - 1000 VA	-	-	-	-	-	-
	0 036 53	-	-	-	0.25 - 1.7 A 60 - 400 VA	-	-	-	-	-
	0 036 65	1 ÷ 300 W	1 ÷ 300 W	-	1 ÷ 300 VA	-	1 ÷ 300 VA	1 ÷ 300 VA	-	-
	0 026 27	5 - 300 W	5 - 300 W	5 - 300 W	5 - 300 W	-	5 - 300 W	5 - 300 W	-	-

Actuators and dimmers max. loads at 110 V

	Cat.Nos	Incandescent lamp	Halogen lamp	ELV halogen with ferromagnetic transformer	ELV halogen with electronic transformer	Fluorescent tube	Compact fluorescent lamp	LED	Fluorescent lamps with 0-10 V ballast	Reducer motor for shutter
		Universal								
		Leading edge			Trailing edge					
ACTUATORS	0 038 41	1100 W	1100 W	500 VA	440 W	500 VA	250 W 10 lamps max.	250 W 10 lamps max.	-	-
	0 038 42	660 W	660 W	250 VA	110 W	125 VA	120 W 4 lamps max.	120 W 4 lamps max.	-	250 W
	0 038 44	220 W	220 W	250 VA	35 W	35 VA	35 W 2 lamps max.	35 W 2 lamps max.	-	250 W
	0 026 00	1800 W	1800 W	1800 VA	1800 VA	500 VA	500 VA	-	-	-
	0 026 01	2 x 1800 W	2 x 1800 W	2 x 1800 VA	2 x 1800 VA	2 x 500 VA	2 x 500 VA	-	-	-
	0 026 02	4 x 500 W	4 x 500 W	4 x 250 VA	4 x 250 VA	4 x 250 VA	4 x 250 VA	4 x 250 VA		4 x 50 VA
DIMMERS	0 036 56	-	-	-	-	-	-	-	220 W - max. 10 ballast type T5, T8, compact or driver for LED	-
	0 026 11	-	-	-	-	-	-	-	500 VA - 50 mA	-
	0 026 21	500 W	500 W	500 VA	500 VA	-	-	-	-	-
	0 026 22	2 x 200 W	2 x 200 W	2 x 200 VA	2 x 200 VA	-	-	-	-	-
	0 036 52	0.25 - 3.5 A 60 - 800 W	0.25 - 3.5 A 60 - 800 W	0.25 - 2.5 A 60 - 800 VA	-	-	-	-	-	-
	0 036 53	-	-	-	-	-	-	-	-	-
	0 036 65	1 ÷ 300 W	1 ÷ 300 W	-	1 ÷ 300 VA	-	1 ÷ 300 VA	1 ÷ 300 VA	-	-

Installation principle,
see e-catalogue




5 739 19


5 739 20


5 739 23


5 739 24



5 737 17

Support frame and plate selection charts **p. 386-393**
Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Central units for temperature control
		Equipped with square version keypad cover plates To be equipped with special plates (p. 390, 391) Supplied with flush-mounting box and 7.2 V battery Cat.No 0 675 18 Can manage up to 99 zones
1	5 739 18	○ White
1	5 739 19	● Magnesium
1	0 674 59	**Display thermostat** Flush mounted thermostat with backlit display Can be used to control the temperature of an individual zone, both if a temperature central unit is and is not present It features a temperature probe and an input for the connection of a contact line (e.g. window contact) Can be used for the management of different types of systems, and the adjustment of the fan speed when fan coils are used Possibility of automatic operation (summer/winter), with compatible systems Equipped with square version cover plates To be equipped with support frame and plates (p. 386 to 393) To be installed in flush-mounting boxes 2 modules

Pack	Cat.Nos	Probes
		To control the room temperature of heating and cooling system Equipped with square version cover plates To be equipped with support frame and plates (p. 386 to 393) To be installed in flush-mounting boxes 2 modules
		Standard Temperature setting range: from 3 °C to 40 °C
1	5 739 20	○ White
1	5 739 21	● Magnesium
		With knob Temperature setting range: from 3 °C to 40 °C with knob for adjustment of +/- 3 °C relative to the set temperature and for the modality selection
1	5 739 22	○ White
1	5 739 23	● Magnesium
		With manual/automatic speed selection for fan coil Temperature setting range: from 3 °C to 40 °C with manual/automatic speed selection for fan-coil
1	5 739 24	○ White
1	5 739 25	● Magnesium
		Touch screens Used to control manually or by programming one of the following functions: control of 4 scenarios, display and centralised management of temperature (1 zone), sound system (display and selection of sound distribution sources, adjusting loudspeakers and setting the wake-up function) Equipped with cover plates, to be equipped with support frames and plates (p. 386 to 393)
1	5 737 16	○ White
1	5 737 17	● Magnesium

Installation principle, **see e-catalogue**


0 035 79


0 035 80


0 883 01

Technical characteristics **see e-catalogue**

Pack	Cat.Nos	DIN rail actuators 100/240 VA - 50/60 Hz
1	0 035 79	**Actuator with 2 independent relays** For single and double loads: 6 A resistive, 3 A motorised valves and pumps 2 DIN modules 17.5 mm
1	0 035 80	**Actuator with 4 independent relays** For single, double or mixed loads: 6 A resistive, 3 A motorised valves, pumps and fan-coils 2 DIN modules 17.5 mm

Pack	Cat.Nos	DIN actuators for the control of ON/OFF valves, motorised valves, pumps and fan coils with 0-10V proportional valves
1	0 035 17	Actuator with 8 independent relays for the control of on-off valves, motorised valves (open-close and three-point valves), pumps and fan coils with 2 and 4 tubes 4 A resistive, 1 A motorised valves, pumps and fan coils 4 DIN modules 17.5 mm
1	0 035 19	Actuator with 3 independent relays and 2 x 0-10 Volt outputs for the control of fan coils with 2 and 4 tubes with 0-10 Volt proportional valves 4 A resistive, 1 A fan coils 4 DIN modules 17.5 mm
1	0 035 18	Actuator with 2 x 0-10 Volt outputs for the control of 0-10 V proportional valves 2 DIN modules 17.5 mm

Pack	Cat.Nos	BUS power supplies
		27 V⎓ - 1.2 A Maximum consumption: 300 mA Maximum current supplied: 1.2 A 8 DIN modules 17.5 mm
1	0 035 60	Input voltage: 230 VA output voltage 27 V⎓
1	5 739 97	Input voltage: 127 VA output voltage 27 V⎓
		27 V⎓ - 0.6 A Maximum current supplied: 0.6 A 2 DIN modules 17.5 mm
1	0 035 67	Input voltage: 230 VA output voltage 27 V⎓

Pack	Cat.Nos	Battery for temperature control central unit
1	0 675 18	7.2 V battery for central unit

Pack	Cat.Nos	SCS cables
		Conform to IEC 45-5 and IEC 20-20 Grey
1	0 492 31	Length 100 m
1	0 492 32	Length 500 m
1	0 492 74	Length 1000 m - Supplied on wooden reels

Pack	Cat.Nos	IR transmitter for splitter
1	0 883 01	For controlling splitters in different modes (auto-hot-cold) Management of On/Off speeds (auto-low-medium or high) Temperature range between 16 °C and 30 °C Air conditioning remote control can “learn” the IR signal Can be installed behind the air conditioning unit. Supplied complete with 2 m cable



5 739 34



5 739 38



5 739 41



5 739 44



5 739 48

Support frame and plate selection charts **p. 386-393**
Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Central units for intruder alarm
		Equipped with square version keypad cover plates To be equipped with special plates (p. 390, 391) Supplied with flush-mounting box Central unit with PSTN integrated telephone dialing device Allows manual activation/deactivation up of the system Can manage up to 72 detectors
1	5 739 34	○ White
1	5 739 35	● Magnesium

Pack	Cat.Nos	Detectors
		Equipped with square version cover plates To be equipped with support frames and plates (p. 386 to 393) To be installed in flush-mounting boxes 2 modules
		Fixed IR detectors Volumetric presence detector with passive infrared rays Alarm signal LED with memory 8 meters range, 14 bands divided over 3 levels Possible activation of auxiliary prealarm channel Angular opening 105°
1	5 739 36	○ White
1	5 739 37	● Magnesium
		Adjustable IR detectors Volumetric presence detector with passive infrared rays Alarm signal LED with memory 8 meters range, 14 bands divided over 3 levels Possible activation of auxiliary prealarm channel Angular opening can be divided from 105° to 0° Swivel lens on 2 axes
1	5 739 38	○ White
1	5 739 39	● Magnesium
		Double technology detectors (IR and MW) Volumetric presence detector made up of two sensors: one infrared to detect hot bodies (IR) and one with microwaves to detect movements (MW) The alarm is only triggered when both detection technologies are activated
1	5 739 40	○ White
1	5 739 41	● Magnesium

Pack	Cat.Nos	Relay actuator modules
		With multiple configuration with output via relay-contacts NO/NC, 24 V 0.4 A cos φ 0.4 To be used to repeat the alarm, activate an external device, repeat the system state and signal when battery is flat
1	0 035 91	2 DIN modules 17.5 mm
1	0 883 91	Can be installed in a flush-mounting box depth 50 mm behind a wiring accessory or a blanking plate

Pack	Cat.Nos	Keypads
		Equipped with square version cover plates
		Alarm keypads Activation/deactivation via numeric code 2 modules To be equipped with support frames and plates (p. 386 to 393)
1	5 739 44	○ White
1	5 739 45	● Magnesium
		Display keypads Activation/deactivation keypad via numeric code Allow the visualization of information and manage other functions such as independent management of zones To be equipped with special plates (p. 390, 391) Supplied with flush-mounting box and battery 7.2 V Cat.No 0 675 18
1	5 739 46	○ White
1	5 739 47	● Magnesium

Pack	Cat.Nos	Transponder readers
		Equipped with square version cover plates To be equipped with support frames and plates (p. 386 to 393) To be installed in flush-mounting boxes 2 modules Transponder reader which activate/deactivate the system with the transponder (badge) Able to store up to 30 transponders
1	5 739 48	○ White
1	5 739 49	● Magnesium

Pack	Cat.Nos	Transponders
3	0 035 75	Key card transponder to activate/deactivate the system
5	0 675 17	Proximity card, 125 kHz technology, used to activate/deactivate the alarm. Supplied complete with label



5 739 84



0 675 13


0 431 00

Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Sounders
		Indoor sounder
1	5 739 84	Can be installed in flush-mounting box Cat.Nos 0 893 79 and 0 892 79 To be equipped with 6 V battery Cat.No 0 675 16 Sound intensity 90 dB(A) at 3 meters Protected against pulling off and tamperproof
		Outdoor sounder
1	0 844 24	Self-powered, self-protected against opening Emits a loud noise: 100 dB at 1 m Flashing light: 30 flashes a minute Use battery Cat.No 0 433 41 (fitted inside the siren)

		Accessories
		Batteries
1	0 675 16	6 V - 0.55 Ah for indoor siren
1	0 675 18	7.2 V battery for central unit
1	0 407 49	Lead battery 12 V - 7 Ah
		Power supply
1	0 634 36	For installation in the consumer unit, self-protected against opening of the cabinet Output current: 1 A Output voltage: 24.5 V⎓ 8 DIN modules 17.5 mm
		SCS cable for intruder alarm
		Supplied on a reel - Red
1	6 831 59	Length 100 m
		Tamper-proof device
10	0 035 72	Rod for self-monitoring against pulling off
		Flush-mounting boxes
2	0 893 79	For dry partitions - 2 x 3 modules
2	0 892 79	For concrete walls - 2 x 3 modules

		Opening detector interfaces
		Allow other brands sensors management through N/C contacts
		Opening detector interfaces
1	0 675 13	Can be installed in a flush-mounting box Depth 50 mm behind a wiring accessory or a blanking plate
1	0 035 73	2 DIN modules 17.5 mm
		12 V opening detectors interfaces
1	0 883 02	Can be installed in a flush-mounting box Depth 50 mm behind a wiring accessory or a blanking plate
1	0 035 71	2 DIN modules 17.5 mm

Pack	Cat.Nos	Peripheral opening detectors
		For use in conjunction with interface Cat.No 0 675 13 or 0 035 73
		Magnetic opening detectors
10	0 431 00	Surface-mounting magnetic detector 1 spring blade switch to be fixed on the door frame 1 moving magnet to be fixed on the door leaf For use with mini-trunking 20 x 12.5 mm Cat.No 0 300 08
10	0 431 01	Flush-mounting magnetic detector For surveillance of non-magnetic doors Dimens.: Ø8 mm - length: 30 mm
1	0 431 08	Magnetic detector for garage door 1 foot to be fixed on the floor 1 magnet to be fixed on the door Supplied with 1 connection cable with steel casing
		Glass break detector
1	0 431 10	Detection over a radius of 1.5 m Ultrasound detection created by the glass breaking Glued on the door (adhesive supplied)
		Tread mat
1	0 431 12	Placed under object to be protected or under carpet and mat placed on the access path

		Detection device for use in conjunction with interface Cat.No 0 675 13
		Flood sensor
1	0 675 14	In conjunction with a switch for local acknowledgement

Installation principle, **see e-catalogue**


0 675 55


5 745 06 5 745 12


5 739 26


5 739 29


5 739 81



5 737 16

Support frame and plate selection charts **p. 386-393**
Technical characteristics **see e-catalogue**

Flush-mounting amplifiers

Pack	Cat.Nos	
		2 x 1 Wrms - 2 modules
1	0 675 55	To be equipped with key covers (p. 410), support frame and plate (p. 386 to 393)
		Key covers - 1 module
		For flush-mounting amplifier Cat.No 0 675 55
5	5 745 11	○ White - right-hand side mounting
5	5 745 12	● Magnesium - right-hand side mounting
5	5 745 05	○ White - left-hand side mounting
5	5 745 06	● Magnesium - left-hand side mounting
5	5 744 91	○ White
5	5 744 90	● Magnesium
5	5 744 87	○ White
5	5 744 86	● Magnesium

DIN rail amplifiers

		2 x 1 Wrms
1	0 035 85	2 x 1 Wrms - 100/240 VA 4 DIN modules 17.5 mm
		2 x 30 Wrms
1	0 035 83	2 x 30 Wrms- 100/240 VA 10 DIN modules 17.5 mm

RCA inputs

Equipped with square version cover plates
To be equipped with support frames and plates (p. 386 to 393)
For connecting a stereo source to the system
2 modules

1	5 739 26	○ White
1	5 739 27	● Magnesium

Flush-mounting loudspeakers

Pack	Cat.Nos	
		8 ohms - 100 W - 50 Wrms
		To be installed in flush-mounting box min. depth 80 mm
1	5 739 28	○ White
1	5 739 29	● Magnesium
		16 ohms - 12 W - 6 Wrms
		To be installed in flush-mounting box Cat.Nos 0 893 79 or 0 892 79
1	5 739 77	○ White

Surface-mounting loudspeakers

1	5 739 30	8 ohms - 40 W - 20 Wrms
1	5 739 78	8 ohms - 140 W - 70 Wrms

False ceiling loudspeakers

1	5 739 81	8 ohms - 100 W - 50 Wrms Ø240 mm
1	5 739 82	8 ohms - 20 W - 10 Wrms Ø100 mm

Touch screens

Used to control manually or by programming one of the following functions: control of 4 scenarios, display and centralised management of temperature (1 zone), sound system (display and selection of sound distribution sources, adjusting loudspeakers and setting the wake-up function)
Equipped with cover plates
To be equipped with support frames and plates (p. 386 to 393)

1	5 737 16	○ White
1	5 737 17	● Magnesium

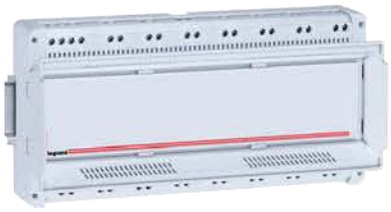
Flush-mounting boxes

For loudspeaker Cat.No 5 739 77

2	0 893 79	For dry partitions - 2 x 3 modules
2	0 892 79	For concrete walls - 2 x 3 modules

Installation principle, **see e-catalogue**


5 739 32


0 035 84



5 739 88


0 634 35

Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Connectors
		Equipped with square version cover plates To be equipped with support frames and plates (p. 386 to 393) 8 contact connector to link interface Cat.No 0 035 86 to the BUS 1 module
1	5 739 32	White
1	5 739 33	Magnesium

Pack	Cat.Nos	Audio/video signal distribution devices
1	0 035 84	Multi-channel matrix with cross-connection, mixing switch functions for distribution of: the stereo sound source signal and audio/video signals 8 inputs (first 4 for the 2-wire audio/video system and others for stereo sound source) 8 outputs 10 DIN modules 17.5 mm
1	5 739 98	Audio/video node for mixing audio/video sources (max. 4 sources) 6 DIN modules 17.5 mm

Pack	Cat.Nos	DIN RDS radio source
1	0 035 82	RDS stereo radio tuner with coaxial connector for external aerial antenna Supplied with depth compensator for DIN rail 4 DIN modules 17.5 mm

Pack	Cat.Nos	DIN stereo control source
1	0 035 86	For stereo sources IR remote control possible RCA/RCA and jack cables to connect to IR transmitters 4 DIN modules 17.5 mm

Pack	Cat.Nos	Sound output
1	5 740 44	Sound output for touch screen 3.5" (p. 421) Works as a source for sound diffusion system

Pack	Cat.Nos	Attenuator
1	0 035 89	To be connected at the end of the line of the outputs of audio/video node and multi-channel matrix

Pack	Cat.Nos	Insulator for sound sources
1	5 739 88	Isolates the 27 V sound system from 230 V external sources For use with RCA input

Pack	Cat.Nos	Power supplies
1	0 634 35	Power supply unit for sound system Input voltage: 230 VA output voltage 27 V⎓ Maximum consumption 1 A 8 DIN modules 17.5 mm
1	5 739 90	Power supply unit for sound system Input voltage: 127 VA output voltage 27 V⎓ Maximum consumption 1 A 8 DIN modules 17.5 mm

Pack	Cat.Nos	BUS cable
1	5 739 99	For sound diffusion and video door entry system 200 m

Pack	Cat.Nos	BUS cord
5	5 740 45	600 mm

Installation principle, **see e-catalogue**


0 035 54


0 035 55


0 035 56


0 492 44


0 035 58

Pack	Cat.Nos	Consumption indicators
		Pulse counter interface
1	0 035 54	Used to store data from a pulse counter water, colorimetry, heat or gas) In countries where there is ATEX Directive it's mandatory to use a zener barrier/Galvanic insulation barrier between the pulse counter interface and the gas meter The barrier must answer to the ATEX directive and must be installed outside ATEX area Install one pulse counter interface per meter to measure the consumption individually Consumption data stored hour by hour, and kept for several years (12 years) Display can be in the form of histograms or statistical data Use a touch screen Cat.Nos 5 739 58 or 0 672 67/68 to display the consumption of the various meters
		Consumption indicator for 3 circuits
1	0 035 55	For single phase installations Supplied with a toroid and its link Each toroid can monitor one circuit The consumption indicator can take up to 3 toroids, for monitoring 3 separate circuits Several consumption indicators can be installed to monitor more than 3 circuits on the installation. Instantaneous and cumulative display of the consumption for each circuit and display of consumption on touch screens Cat.Nos 5 739 58 or 0 672 67/68 Display can be in the form of histograms or statistical data. Consumption data can be stored for 1 year, hour by hour, 2 years day by day or 12 years month by month
		Additional toroid
1	0 035 56	Operates with consumption indicator Cat.No 0 035 55 Also operates with controller Cat.No 0 035 58 for load diagnostics 90 A max. Cable cross-section 25 mm² max
		IP data concentrator
1	0 035 66	Used to display the data measured by the system via several web pages Can handle different billing rates Integrated memory for up to 10 pulse counter circuits Centralises the data from circuits/pulse counter Automatic backup onto SD card
		Connectors
		Spare parts for consumption indicator Cat.No 0 035 55 and controllers Cat.Nos 0 035 57/58/59
10	0 492 44	BUS connector, depth 3.81 mm
10	0 492 45	2-pole connector
10	0 492 46	3-pole connector

Pack	Cat.Nos	Load and load shelding management
		Central control unit
1	0 035 57	Used to define an energy threshold and manage load shedding priorities set on controllers to avoid unwanted breaks as a result of exceeding the energy contract Manages up to 63 controllers The max. authorised power threshold can be defined The settings can be activated/deactivated from the touch screen Instantaneous and cumulative display of circuit consumption on the touch screen Integrated memory module For installation in the consumer unit 1 DIN module 17.5 mm
		Control with load monitoring
		Equipped with square version cover plates To be equipped with support frames and plates (p. 386 to p. 393) Used to display the status of the load controlled by the central load control unit (Cat.No 0 035 57) and force operation of the load independently Used to force the load during normal operation and reactivate the load previously deactivated by the central control unit
1	5 739 85	○ White
1	5 739 91	● Magnesium
		16 A controller
1	0 035 59	Used to define a priority level for a circuit in the context of a load shedding function For installation in the consumer unit 1 DIN module 17.5 mm Can be used as an electronic control box controller and/or an energy management controller
		16 A controller with consumption measurement
1	0 035 58	Used to define a priority level for a circuit in the context of a load shedding function For installation in the consumer unit 1 DIN module 17.5 mm Can be used as an electronic control box controller and/or an energy management controller Measures the consumption of the load being controlled and displays (via touch screen Cat.Nos 5 739 58 or 0 672 67/68) instantaneous and cumulative consumption with separate reset - Diagnostics of the load being controlled with use of toroid Cat.No 0 035 56
		Energy display
1	0 672 05 N	1,6" basic display for visuallizing consumption of different lines (datacoming from Cat.Nos 0 035 55/57/54) and/or for controlling actuators belonging to load management system (Cat.Nos 0 035 58/59) 2 modules



5 737 16



5 739 58


0 672 67

Support frame and plate selection charts **p. 386-393**

Local management

Pack	Cat.Nos	
		Local display 1.2" 1.2" OLED touch screen for the management of max. 4 of following functions: sound system, temperature control, scenarios, energy consumptions visualization and load management 2 modules Equipped with cover plates, to be equipped with support frames and plates (p. 386 to 393)
1	5 737 16	○ White
1	5 737 17	● Magnesium
		MyHome screen 3.5"
1	5 739 58	3.5" colour touch screen for the management of light functions, automation, burglar alarm, temperature control, sound system, scenarios and energy management Equipped with front panel USB connector for setup and ready for Open Webnet programming language To be installed in flush-mounting box Cat.Nos 0 892 79 or 0 893 79 Equipped with surround, to be equipped with special plates (p. 390-391)
		MyHome screen 10" 16/9 10" LCD touch screen used for: - management of MyHome and video door entry system - management of multimedia contents (Ethernet, USB, SD card) and web browser - management of customised profiles Navigation by rooms Possibility of customizing background images Wall-mounting installation Supplied complete with plates Requires power supply unit Cat.No 0 634 42
1	0 672 68	○ White
1	0 672 67	● Black

Remote management

Pack	Cat.Nos	
1	0 035 98	**Web server gateway TCP-IP** Audio/video web Server for the remote control of the system The device can operate as a gateway for the use of MyHome Suite 6 DIN modules 17.5 mm

Other devices

Pack	Cat.Nos	
1	0 492 49	**Supervision software** Can be used in order to tune up the system's functions through a computer, and to follow them on real time basis
1	0 035 65	**Scenario scheduler** Allows setting up of up to 300 scenarios with pre-set conditions (time and logical type) 6 DIN modules 17.5 mm
1	0 634 42	**Additional power supply** Provides power for Web server and scenario scheduler Cat.No 0 035 65 2 DIN modules 17.5 mm
1	0 035 97	**Open/Bacnet Gateway** Interface for the remote control with Touch Screen of devices Bacnet as Fancoil units, AC units, underfloor heating

Flush-mounting boxes

Pack	Cat.Nos	
		For 3.5 touch screen Cat.No 5 739 58
2	0 893 79	For dry partitions - 2 x 3 modules
2	0 892 79	For concrete walls - 2 x 3 modules

Video of MyHome multimedia touch screen 10"



5 739 50



5 739 52

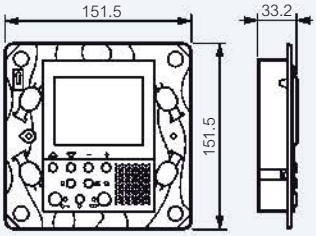
Support frame and plate selection charts **p. 386-393**
Technical characteristics **see e-catalogue**

Pack	Cat.Nos	
		Video internal display units
		Hands-free internal unit. 2.5" LCD colour display Possible integration in BUS system. Equipped with White or Magnesium cover plates, to be equipped with special plates (p. 390-391). To be installed in flush-mounting box Cat.Nos 0 893 79 or 0 892 79
1	5 739 50	○ White
1	5 739 51	● Magnesium
		Audio internal display units
		Equipped with: - microphone - loudspeaker - 2 hang-up push-buttons - 1 door release push-button - 2 auxiliary push-buttons for other functions Volume adjustment for communication and call tone, and with bell cut-off indicator. Allows intercom between several rooms. Supplied complete with special flush-mounting box, cover plate and plate
1	5 740 11[1]	○ White
1	5 743 11[2]	● Magnesium
		Optional cameras
		2-wire colour camera with swiveling lens Automatic adjustment of focus and brightness Built-in microphone. Equipped with cover plates, to be equipped with support frames and plates (p. 386 to 393) To be installed in flush-mounting box 2 modules
1	5 739 52	○ White
1	5 739 53	● Magnesium
		Power supplies
1	0 634 35	Power supply unit for sound system Input voltage: 230 VA output voltage 27 V⎓ Maximum consumption 1 A 8 DIN modules 17.5 mm
1	5 739 90	Power supply unit for sound system Input voltage: 127 VA output voltage 27 V⎓ Maximum consumption 1 A 8 DIN modules 17.5 mm
		Flush-mounting boxes
		For video display unit Cat.Nos 5 739 50/51
2	0 893 79	For dry partitions - 2 x 3 modules
2	0 892 79	For concrete walls - 2 x 3 modules

1 : Supplied with White plate
2 : Supplied with Mirror Black plate

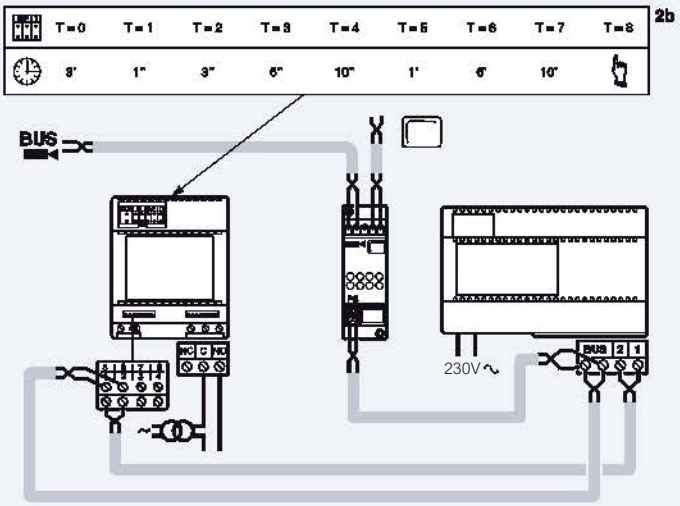
Arteor™
door entry system BUS/SCS

Dimensions of video internal display units Cat.Nos 5 739 50/51

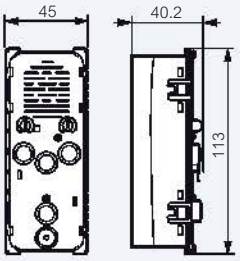


Installation distances for video door entry systems

	Video internal unit	Power supply	Street panel
> 0.2 mm²	50 m	50 m	
	50 m (total max. distance)		
PT278 (28 mm²)	90 m	115 m	
	150 m (total max. distance)		
SYT 6/10-SYT 5/10 (0,5 mm²)	60 m	80 m	
	140 m (total max. distance)		
SYT 9/10-SYT 8/10 (1 mm²)	200 m	200 m	
	200 m (total max. distance)		



Dimensions of audio internal units Cat.Nos 5 740 11 and 5 743 11



Installation distances for audio door entry systems

	Audio internal unit	Power supply	Street panel	Door release
0.28 mm²	140 m	200 m	30 m	
	340 m			
0.50 mm²	210 m	290 m	50 m	
	500 m			
1 mm²	420 m	580 m	100 m	
	1000 m			

Wiring diagram,
see e-catalogue

3 systems to create your Home Network

Compose your system to your specifications to distribute in the home:
phone, data, Internet on RJ45, and TV over coaxial
This multimedia modular system fits in any DIN cabinet (easy plug)

DISCOVER THE 3 SYSTEMS

- **Classic** : TV-R-SAT + RJ 45 sockets + modular equipment. Affectation of each RJ45 socket to different applications
- **Evolutive** : TV-R-SAT + RJ 45 sockets + modular equipment. Automatic distribution and recognition of telephone, Internet, data and IPTV
- **Evolutive +** : RJ 45 sockets + modular equipment. Automatic distribution and recognition of telephone, Internet, data and IPTV


Classic Home Network


Evolutive Home Network


Evolutive + Home Network

RJ 45 PATCH MODULES, CABLES, CORDS AND MODULAR EQUIPMENT

- Using RJ 45 patch modules ensures good connections along time and reduces maintenance
- Modular equipment for incoming telephone, IP television and internet, ADSL and distribution

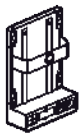
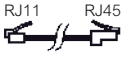

RJ 45 patch modules


Cables and cords


Modular equipment

Classic home network

create your enclosure

			Numbers of modules	Cat.Nos	Qty to order
RJ 45 SOCKETS					
	**Arteor RJ 45 sockets - UTP**	**White**	2	5 723 14	
		Magnesium	2	5 728 14	
TV-R-SAT SOCKETS					
	**Arteor TV-R-SAT socket**	**White**	2	5 721 72	
		Magnesium	2	5 726 72	
PATCH EQUIPMENT					
	**RJ 45 Modular DIN patch module - UTP**		1	4 130 01	
		+			
	**Flexible patch cord - 0.2 m**		-	4 130 47	
		or			
	Flexible patch cord - 0.4 m		-	4 130 48	
EQUIPMENT FOR INCOMING TELEPHONE, TELEVISION, ADSL, AND DISTRIBUTION					
	**Telephone splitter with 2 x 4 outputs**		4	4 130 12	
	**ADSL master filter, analogue telephone splitter with 3 outputs**		2	4 130 15	
	**TV coaxial splitter - 6 outputs - HD Ready**		4	4 130 13	
	**4+1 RJ 45 port switch - Gigabit Ethernet**		4	4 130 09	
		or			
	**4+1 RJ 45 port switch - 10/100 Ethernet Mbit/s**		4	4 130 10	
		+			
	**Modular power supply 9 V**		1.5	4 130 17	
INSTALLATION ADD-ONS					
	**Internet provider box holder** N		-	4 130 49	
	**Patch cord for connecting the multimedia equipment**	**Length 2 m**	-	0 517 63	
		Length 3 m	-	0 517 64	
	**Patch cord for connecting a telephone**	**Length 2 m**	-	0 516 94	
	**Patch cord for connecting a TV**	**Length 2 m**	-	0 910 24	
	**Cable F/UTP 4 pairs - supplied on reel**	**Length 305 m**	-	0 328 56	
	**Cable U/UTP 4 pairs - supplied on reel**	**Length 305 m**	-	0 327 54	

Classic home network

create your enclosure (continued)


4 130 01


4 130 47


4 130 48


4 130 12


4 130 15


4 130 10


4 130 49

Installation principles and technical characteristics **p. 430**

This multimedia modular system fits in any DIN cabinet (easy plug) and in 19" cabinet with the multi-application DIN rail kit (p. 706)
System to distribute in the home: phone, data, internet on RJ 45 and TV over coaxial
Each RJ 45 can be affected to a different application via patch cords, using the same network, therefore giving maximum flexibility
Aestetics and look of the enclosure designed to give maximum satisfaction. No cable nor patch cords visible.
Using RJ 45 patch modules ensures good connections along time and reduces maintenance

Create multimedia network to your specification

Pack	Cat.Nos	
		Patch equipment
4	4 130 01	RJ 45 modular DIN patch module. IP 20 - IK 04 Equipped with RJ 45 UTP connector, Reversible front panel to make it easier to manage outputs facing up or down 2 levels of indentification : through a label-holder to indicate the room it is connected to, and through a rotative wheel to show the distributed media Size: 1 DIN module
4	4 130 47	Flexible patch cord - 0.2 m
4	4 130 48	Flexible patch cord - 0.4 m
		Equipment for incoming telephone and distribution IP 20 - IK 04
1	4 130 12	Distributes phone up to 8 terminal sockets Can manage 2 lines (1 incoming line - 8 outputs or 2 incoming lines - 4 outputs for each one) Connection: terminal blocks or RJ 45 connector For POTS and ISDN lines Size: 4 DIN modules
1	4 130 15	ADSL filter/Analogue telephone splitter 3 outputs + 1 modem output for the ADSL/Box filter connection Provides simultaneous ADSL telephone and internet access without using filters on the wall sockets Size: 2 DIN modules
		Equipment for television distribution IP 20 - IK 04
1	4 130 13	TV coaxial splitter 1 input 6 type "F" outputs - HD Ready 5 - 2400 MHz Supplied with 3 end plugs and 7 "F" plugs Size: 4 DIN modules
		4+1 RJ 45 ports Ethernet switches IP 20 - IK 04 Ethernet network switch 9 V power supply Size: 4 DIN modules
1	4 130 09	1 gigabit
1	4 130 10	10/100 Mbits
		Power supply
1	4 130 17	Modular power supply 9 V Used to power up to 2 active products: switch Cat.Nos 4 130 09/10, TV splitter Cat.Nos 4 130 18/19 Size: 1.5 DIN modules N.B.: to supply 1 Triple Play unit Cat.No 4 130 44, 1 power supply unit needed. For 2 Triple Play units Cat.No 4 130 44, 2 power supply units needed

Video of Classic Home Network

Cables and patch cords for multimedia networks

Pack	Cat.Nos	
		Cat. 6 cables for local area networks 4 twisted pair cables 100 ohms LSZH sleeve: zero halogen. EIA/TIA colour code
1	0 328 56	F/UTP - 4 pairs Length 305 m Supplied on reel. Weight 25 kg
1	0 327 54	U/UTP - 4 pairs Length 305 m Supplied on reel. Weight 16 kg
		RJ 45-RJ 45 patch cords for connecting multimedia equipment Conform to standards ISO/IEC 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568 EIA/TIA colour code
1	0 517 63	Length 2 m RJ45 RJ45
1	0 517 64	Length 3 m RJ45 RJ45
10	0 516 94	Cable for connecting a telephone Length 2 m RJ11 RJ45
Gencod packaging		**Ø9.52 patch cord for connecting a TV**
10	0 910 24	Length 2 m Male TV socket Female TV socket

RJ 45 and TV-R-SAT sockets

Mechanisms supplied with white or magnesium square cover plates. To be equipped with support frames and plates (p. 386 to 393)

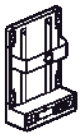
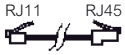
		RJ 45 sockets- Cat. 6 - UTP 2 modules
10	5 723 14	White
10	5 728 14	Magnesium
		TV-R-SAT sockets shielded TV: 5-68/120-862 MHz R: 87.5-108 MHz SAT: 950-2400 MHz Star - 1.5 dB 2 modules
10	5 721 72	White
10	5 726 72	Magnesium

Installation add-ons

		Internet provider box holder
1	4 130 49	Used to mount and connect the Operator
		Patch cord remote box
1	4 132 05	Used when the operator box is not in cabinet Allowing to supply the operator box and return Internet and iPTV signals in the home Network cabinet using only one RJ 45

Evolutive home network

create your enclosure

			Numbers of modules	Cat.Nos	Qty to order
RJ 45 SOCKETS					
	**Arteor RJ 45 sockets - UTP**	**White**	2	5 723 14	
		Magnesium	2	5 728 14	
TV-R-SAT SOCKETS					
	**Arteor TV-R-SAT socket**	**White**	2	5 721 72	
		Magnesium	2	5 726 72	
PATCH EQUIPMENT					
	**RJ 45 Modular DIN patch module - UTP**		1	4 130 01	
	+				
	Flexible patch cord - 0.2 m		-	4 130 47	
	or				
	Flexible patch cord - 0.4 m		-	4 130 48	
EQUIPMENT FOR INCOMING TELEPHONE, TELEVISION, ADSL, AND DISTRIBUTION					
	**Automatic**[Gigabit] **Triple Play unit/8 outputs**		8	4 130 44 + 4 130 17	
	+				
	Modular power supply 9 V		1.5		
	**ADSL master filter, analogue telephone splitter with 3 outputs**		2	4 130 15	
	**TV coaxial splitter - 6 outputs - HD Ready**		4	4 130 13	
INSTALLATION ADD-ONS					
	**Internet provider box holder** N		-	4 130 49	
	**Patch cord for connecting the multimedia equipment**	**Length 2 m**	-	0 517 63	
		Length 3 m	-	0 517 64	
	**Patch cord for connecting a telephone**	**Length 2 m**	-	0 516 94	
	**Patch cord for connecting a TV**	**Length 2 m**	-	0 910 24	
	**Cable F/UTP 4 pairs - supplied on reel**	**Length 305 m**	-	0 328 56	
	**Cable U/UTP 4 pairs - supplied on reel**	**Length 305 m**	-	0 327 54	

Evolutive home network

create your enclosure (continued)


4 130 01



4 130 47
4 130 48


4 130 44


4 130 15


0 516 94

Installation principles and technical characteristics **p. 431**

This multimedia modular system fits in any DIN cabinet (easy plug) and in 19" cabinet with the multi-application DIN rail kit (p. 706)
Makes it possible to have the incoming fibre optic point in the home (FTTH Ready)
Home Network system allowing an automatic distribution of telephone, internet, data and IPTV. The system has an automatic recognition of the devices connected to the RJ 45 giving maximum flexibility to the end-user
RF television distribution (cable TV, aerial or satellite) is done over the coaxial network
Aesthetics and look of the enclosure is designed to give maximum satisfaction. No cable nor patch cords visible
Using RJ 45 patch modules ensures good connections along time and reduces maintenance

Create multimedia network to your specification

Pack	Cat.Nos	
		Patch equipment
4	4 130 01	RJ 45 modular DIN patch module. IP 20 - IK 04 Equipped with RJ 45 UTP connector, Reversible front panel to make it easier to manage outputs facing up or down 2 levels of indentification : through a label-holder to indicate the room it is connected to, and through a rotative wheel to show the distributed media Size: 1 DIN module
4	4 130 47	Flexible patch cord - 0.2 m
4	4 130 48	Flexible patch cord - 0.4 m
		Equipment for incoming telephone, IP television and internet, and distribution IP 20 - IK 04
1	4 130 44	Automatic[Gigabit] Triple Play unit. Used to distribute High-Speed services from the Operator box to 8 RJ 45 sockets - 8 modules, compatible with IP V6 and IP V4 Use only with power supply Cat.No 4 130 17 Size: 8 DIN modules
		Equipment for incoming telephone and distribution IP 20 - IK 04
1	4 130 15	ADSL filter/Analogue telephone splitter 3 outputs + 1 modem output for the ADSL/Box filter connection Provides simultaneous ADSL telephone and internet access without using filters on the wall sockets Size: 2 DIN modules
		Equipment for television distribution IP 20 - IK 04
1	4 130 13	TV coaxial splitter 1 input 6 type "F" outputs - HD Ready 5 - 2400 MHz Supplied with 3 end plugs and 7 "F" plugs Size: 4 DIN modules
		Modular power supply
1	4 130 17	Modular power supply 9 V Used to power up to 2 active products: switch Cat.Nos 4 130 09/10, TV splitter Cat.Nos 4 130 18/19 Size: 1.5 DIN modules N.B.: to supply 1 Triple play unit Cat.No 4 130 44, 1 power supply unit needed. For 2 Triple play units Cat.No 4 130 44, 2 power supply units needed

Cables and patch cords for multimedia networks

Pack	Cat.Nos	
		Cat. 6 cables for local area networks 4 twisted pair cables 100 ohms LSZH sleeve: zero halogen EIA/TIA colour code
1	0 328 56	F/UTP - 4 pairs Length 305 m Supplied on reel. Weight 25 kg
1	0 327 54	U/UTP - 4 pairs Length 305 m Supplied on reel. Weight 16 kg
		RJ 45-RJ 45 patch cords for connecting multimedia equipment Conform to standards ISO/IEC 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568 EIA/TIA colour code
1	0 517 63	Length 2 m 
1	0 517 64	Length 3 m 
10	0 516 94	Cable for connecting a telephone Length 2 m 
	Gencod packaging	**Ø9.52 patch cord for connecting a TV**
10	0 910 24	Length 2 m 

RJ 45 and TV-R-SAT sockets

Mechanisms supplied with white or magnesium square cover plates
To be equipped with support frames and plates (p. 386 to 393)

RJ 45 sockets- Cat. 6 - UTP
2 modules

10	5 723 14	○ White
10	5 728 14	● Magnesium



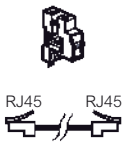
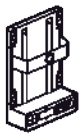
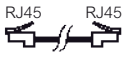
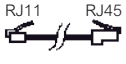
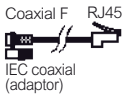
TV-R-SAT sockets shielded
TV: 5-68/120-862 MHz
R: 87.5-108 MHz
SAT: 950-2400 MHz
Star - 1.5 dB
2 modules

10	5 721 72	○ White
10	5 726 72	● Magnesium



Installation add-ons

Pack	Cat.Nos	
		Internet provider box holder
1	4 130 49	Used to mount and connect the Operator
		Patch cord remote box
1	4 132 05	Used when the operator box is not in cabinet Allowing to supply the operator box and return Internet and iPTV signals in the home Network cabinet using only one RJ 45

RJ 45 SOCKETS			Numbers of modules	Cat.Nos	Qty to order
	Arteor RJ 45 sockets - STP	White	2	5 723 17	
		Magnesium	2	5 728 17	
PATCH EQUIPMENT					
	RJ 45 Modular DIN patch module - STP		1	4 130 03	
	+				
	Multimedia patch cord - 0.2 m		-	4 130 45	
	or				
	Multimedia patch cord - 0.4 m		-	4 130 46	
EQUIPMENT FOR INCOMING TELEPHONE, TELEVISION, ADSL, AND DISTRIBUTION					
	Automatic[Gigabit] Triple Play unit/8 outputs		8	4 130 44 + 4 130 17	
	+				
	Modular power supply 9 V		1.5		
	ADSL master filter, analogue telephone splitter with 3 outputs		2	4 130 15	
	TV RJ 45 amplifier splitter - 4 outputs (Terrestrial TV - SAT TV)		4	4 130 18	
	or				
	TV RJ 45 amplifier splitter - 4 outputs (Terrestrial TV - Cable TV)		4	4 130 19	
INSTALLATION ADD-ONS					
	Internet provider box holder N		-	4 130 49	
	Patch cord for connecting the multimedia equipment	Length 2 m	-	0 517 63	
		Length 3 m	-	0 517 64	
	Patch cord for connecting a telephone	Length 2 m	-	0 516 94	
	RJ 45 IEC + F patch cord for connecting a TV or digital receiver	Length 2 m	-	4 130 40	
	Multimedia (FFTP) twisted pair cable	Length 100 m	-	0 327 89	

Evolutive + home network

create your enclosure (continued)


4 130 03




4 130 44


4 130 15


4 130 18


4 130 40

Installation principles and technical characteristics **p. 431**

This multimedia modular system fits in any DIN cabinet (easy plug) and in 19" cabinet with the multi-application DIN rail kit (p. 706)
Makes it possible to have the incoming fibre optic point in the home (FTTH Ready)
Home Network system allowing an automatic distribution of telephone, internet, data and IPTV. The system has an automatic recognition of the devices connected to the RJ 45 giving maximum flexibility to the end-user
RF television distribution (cable TV, aerial or satellite) is added to the RJ 45 socket network by using the TV over RJ 45 splitters
Aestetics and look of the enclosure is designed to give maximum satisfaction. No cable nor patch cords visible
Using RJ 45 patch modules ensures good connections along time and reduces maintenance

Create multimedia network to your specification

Pack	Cat.Nos	
		Patch equipment
4	4 130 03	RJ 45 Modular DIN patch module. IP 20 - IK 04 Equipped with RJ 45 STP connector, Reversible front panel to make it easier to manage outputs facing up or down 2 levels of indentification : through a label-holder to indicate the room it is connected to, and through a rotative wheel to show the distributed media Size: 1 DIN module
4	4 130 45	Multimedia patch cord - 0.2 m
4	4 130 46	Multimedia patch cord - 0.4 m
		Equipment for incoming telephone, ADSL television and internet, and distribution IP 20 - IK 04
1	4 130 44	Automatic[Gigabit] Triple Play unit. Used to distribute ADSL services from the Operator box to 8 RJ 45 sockets - 8 modules, compatible with IP V6 and IP V4 Use only with power supply Cat.No 4 130 17 Size: 8 DIN modules
		Equipment for incoming telephone and distribution IP 20 - IK 04
1	4 130 15	ADSL filter/Analogue telephone splitter 3 outputs + 1 modem output for the ADSL/Box filter connection Provides simultaneous ADSL telephone and internet access without using filters on the wall sockets Size: 2 DIN modules
		Equipment for television distribution using RJ 45 IP 20 - IK 04
1	4 130 18	TV RJ 45 amplifier - splitter (terrestrial TV - SAT TV) Transmission distance: - 5 to 40 m for terrestrial-DTT - 5 to 30 m for satellite 4 RJ 45 outputs Supplied with adjustment kit 9 V power supply Size: 4 DIN modules
1	4 130 19	TV RJ 45 amplifier - splitter (terrestrial TV - Cable TV) with return channel Transmission distance: 5 to 30 metres 4 RJ 45 outputs 9 V power supply Size: 4 DIN modules
		Modular power supply
1	4 130 17	Modular power supply 9 V Used to power up to 2 active products: switch Cat.Nos 4 130 09/10, TV splitter Cat.Nos 4 130 18/19 Size: 1.5 DIN modules N.B.: to supply 1 Triple Play unit Cat.No 4 130 44, 1 power supply unit needed. For 2 Triple Play units Cat.No 4 130 44, 2 power supply units needed

Cables and patch cords for multimedia networks

Pack	Cat.Nos	
		Multimedia (FFTP) twisted pair cable
1	0 327 89	LSZH sleeve: zero halogen. F/FTP - 100 Ω Optimised performance for transmission of satellite signals (2150 MHz) Length 100 m Supplied on reel. Weight 6 kg
		RJ 45-RJ 45 patch cords for connecting multimedia equipment Conform to standards ISO/IEC 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568 EIA/TIA colour code
1	0 517 63	Length 2 m 
1	0 517 64	Length 3 m 
10	0 516 94	Cable for connecting a telephone Length 2 m 
		Coaxial patch cord for connecting a TV
1	4 130 40	RJ 45-IEC-F TV cable Length 2 m Supplied with accessory for adaptation to IEC Ø9.52 mm 

RJ 45 sockets

Mechanisms supplied with white or magnesium square cover plates
To be equipped with support frames and plates (p. 386 to 393)

RJ 45 sockets- Cat. 6 - STP
2 modules

Pack	Cat.Nos	
10	5 723 17	White
10	5 728 17	Magnesium

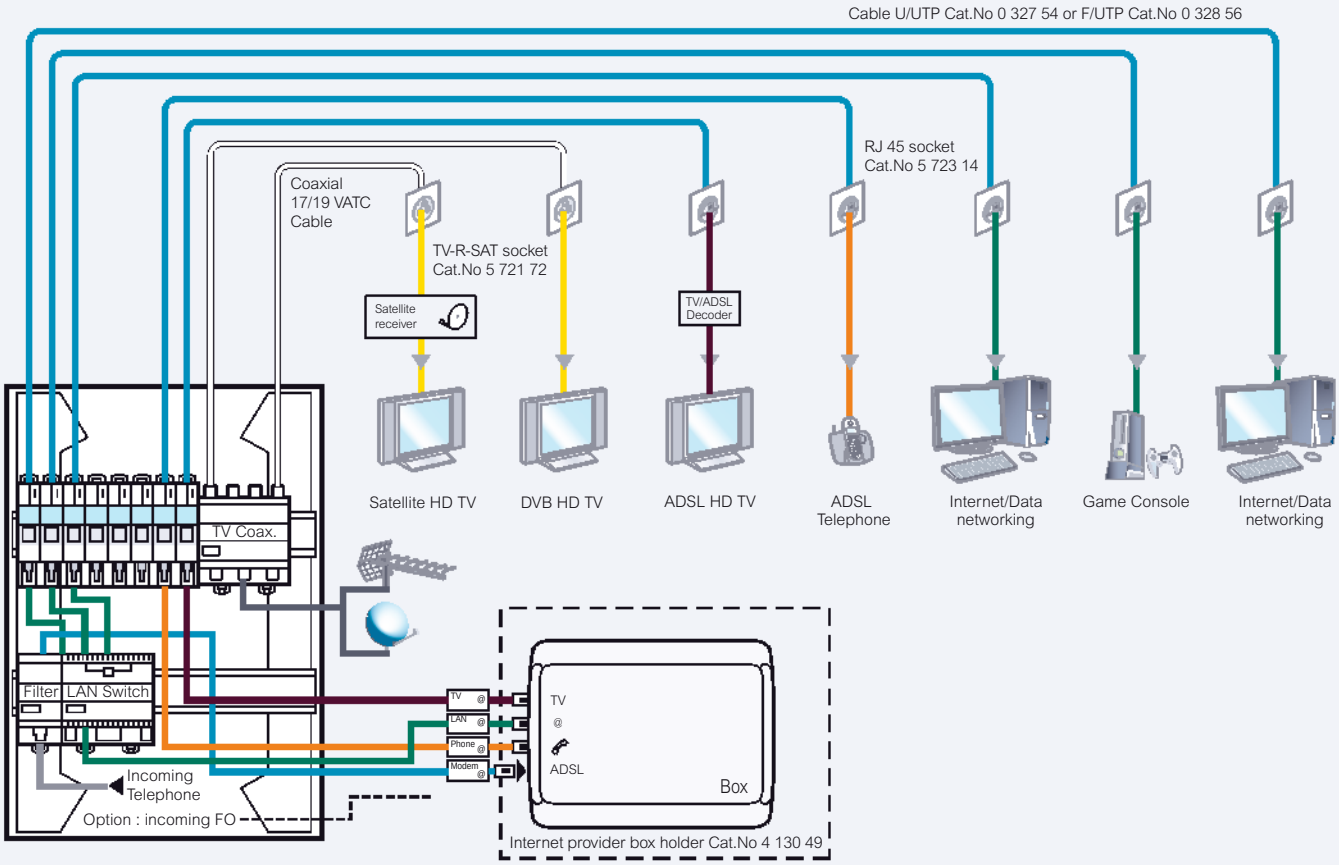


Installation add-ons

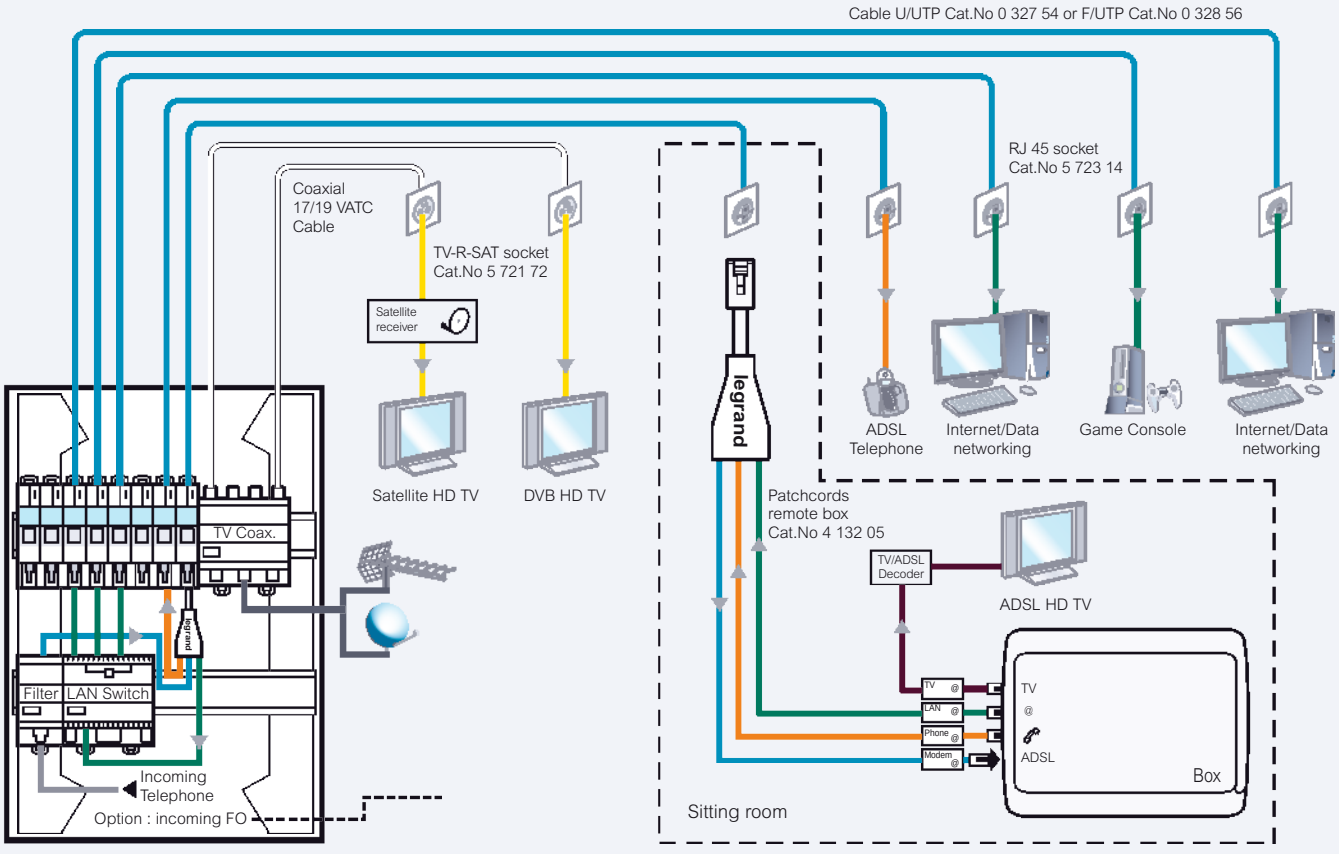
Pack	Cat.Nos	
		Internet provider box holder
1	4 130 49	Used to mount and connect the Operator
		Patch cord remote box
1	4 132 05	Used when the operator box is not in cabinet Allowing to supply the operator box and return Internet and iPTV signals in the home Network cabinet using only one RJ 45

Classic home network

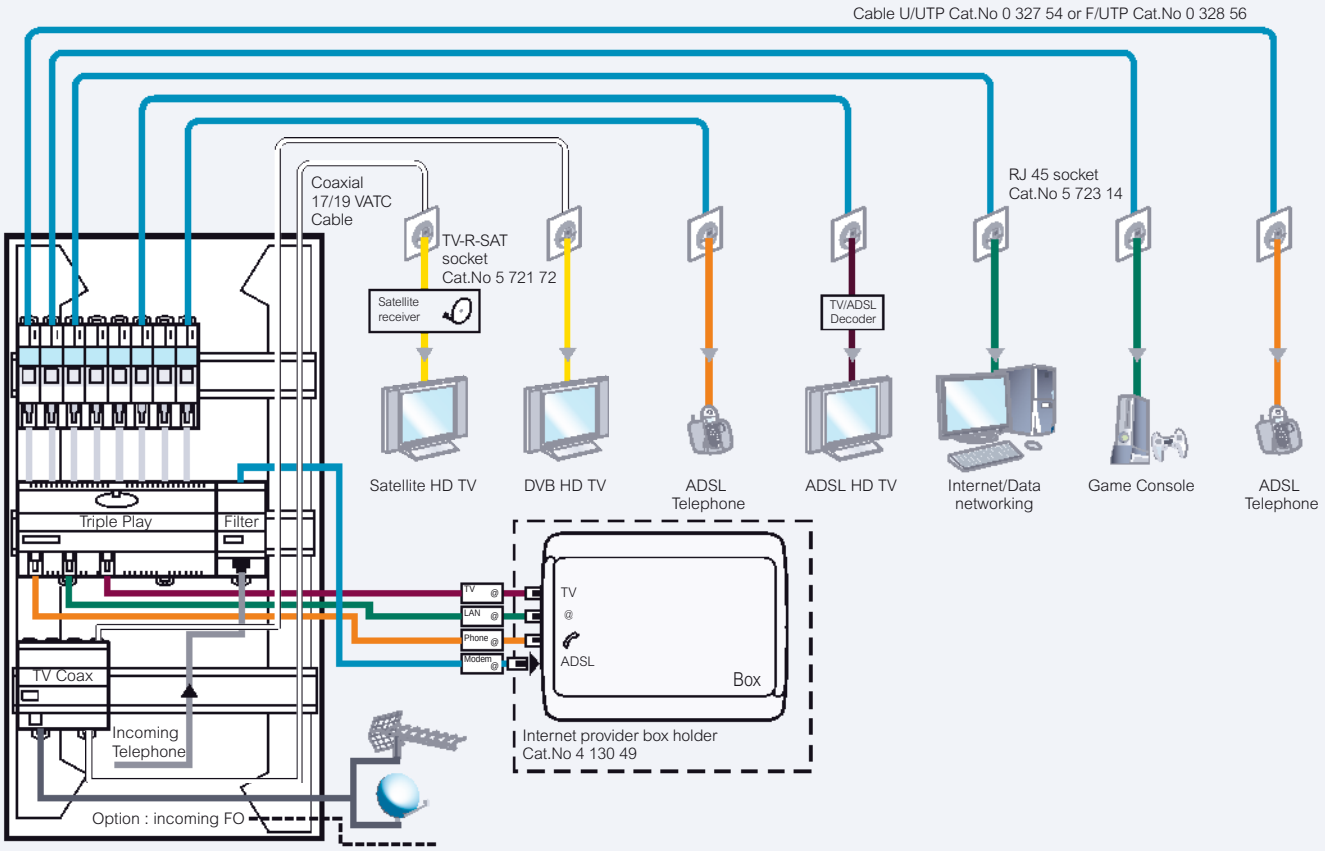
Classic home network - operator box in cabinet



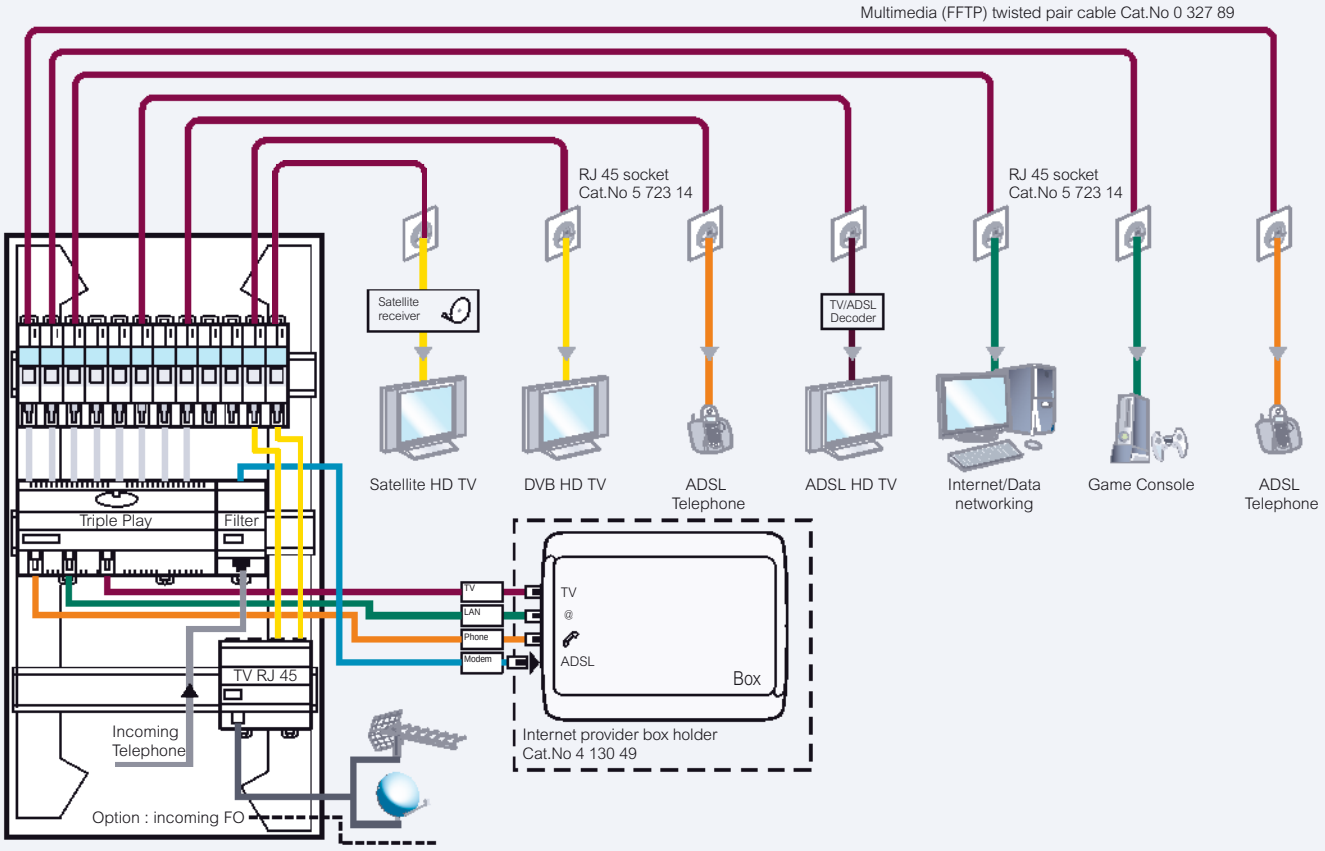
Classic home network - operator box not in cabinet



Evolutive home network - operator box in cabinet



Evolutive + home network - operator box not in cabinet



FttH - Fibre to the Home

preterminated solution



4 130 67

Recommended for high-rise buildings (up to 60 apartments for 4 OF or 120 apartments for 2 OF)
Does not require a device for splicing the fibre at the FD

Pack	Cat.Nos	
		Building entry point (BEP)
1	4 130 61	The BEP is located in the dedicated equipment room located at the base of the building It makes the client fibres available to the future operator and makes their patch connection easy If required, can have more feedthroughs Technical characteristics: - Dim. (mm): 440 (L) x 175 (H) x 102 (D) - 2 cable entries (max. Ø: 15 mm) - Contains 48 feedthroughs for SC/APC connectors BEP for 12 x 4 OF subscribers or 24 x 2 OF subscribers BEP with 48 SC/APC feedthroughs for preterminated solution
		Excess length management box for OTO optical fibre cable
1	4 130 75	Coiling box for storing excess lengths of preterminated OTO fibres
		Optical telecommunications outlet (OTO) - prewired and preterminated
		The OTO is the termination point of the FTTH installation in the home. It is fixed in the home network cabinet and enables connection to the operator box. The prewired and preterminated version enables direct connection to the BEP via the connectors for tool-free mounting on-site The pulling cord makes it easy to use in the riser and in conduits (Ø20 mm recommended) Technical characteristics: - For fixing on DIN rail or wall - Preterminated at both ends - G657A2 900 µm - Cable diameter: 4.2 mm - Pulling cord diameter: 11 mm
		Prewired and preterminated OTO - 2 OF
1	4 130 67	OTO with 2 SC/APC feedthroughs + 25 m of cable preterminated at both ends
1	4 130 69	OTO with 2 SC/APC feedthroughs + 40 m of cable preterminated at both ends
		Prewired and preterminated OTO - 4 OF
1	4 130 68	OTO with 4 SC/APC feedthroughs + 25 m of cable preterminated at both ends
1	4 130 70	OTO with 4 SC/APC feedthroughs + 40 m of cable preterminated at both ends
		Spare connectors
10	4 130 71	Bag of 10 SC/APC connector covers for preterminated OTO

FttH - Fibre to the Home

prewired solution - requires fusion splicing



4 130 62



4 130 63

Recommended for high-rise buildings (up to 60 apartments for 4 OF or 120 apartments for 2 OF)
Requires a device for splicing the fibre at the FD

Pack	Cat.Nos	
		Building entry point (BEP)
1	4 130 60	The BEP is located in the dedicated equipment room located at the base of the building It makes the client fibres available to the future operator and makes their patch connection easy If required, can have more feedthroughs Technical characteristics: - Dimensions (mm): 440 (L) x 175 (H) x 102 (D) - 2 cable entries (max. diameter: 15 mm) - Contains 48 feedthroughs for SC/APC connectors BEP for 12 x 4 OF subscribers or 24 x 2 OF subscribers BEP with 48 SC/APC feedthroughs for prewired solution
		Prewired riser
		For routing fibres inside the riser. The cable is preterminated at 1 end for easy connection to the BEP The opening in the cable is made using the tool provided for this purpose (Cat.No 4 130 74) Technical characteristics: - G657, LZOH fibres - 900 µm modules containing 4 fibres
		Riser
1	4 130 72	Riser 48 OF - 50 m
1	4 130 73	Riser 96 OF - 50 m
		Tool
1	4 130 74	Riser opening tool
		Floor distributor (FD)
		Interface unit between the riser and the client cable from the OTO, enabling fusion splicing using a special tool The FD is installed in the telecommunications riser Technical characteristics: - Dimensions (mm): 138 (L) x 204 (H) x 55 (D) - Contains 4 cassettes for 32 fusion splices max. FD for 8 x 4 OF subscribers or 16 x 2 OF subscribers
1	4 130 62	FD with 4 cassettes
		Optical telecommunications outlet (OTO) - prewired
		The OTO is the termination point of the FTTH installation in the home It is fixed in the home network cabinet and enables connection to the operator box Links the OTO and the FD Technical characteristics: - For fixing on DIN rail or wall - Preterminated at one end - Available in versions with 2 or 4 G657A2 900 µm - Cable diameter: 4.2 mm
		Prewired OTO - 2 OF
1	4 130 63	OTO with 2 SC/APC feedthroughs + 25 m of cable
1	4 130 65	OTO with 2 SC/APC feedthroughs + 40 m of cable
		Prewired OTO - 4 OF
1	4 130 64	OTO with 4 SC/APC feedthroughs + 25 m of cable
1	4 130 66	OTO with 4 SC/APC feedthroughs + 40 m of cable

FttH - Fibre to the Home

preterminated and prewired solution

Preterminated solution

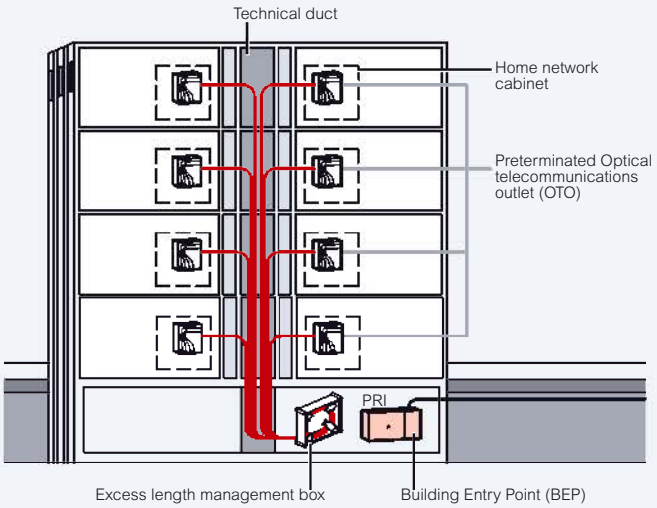
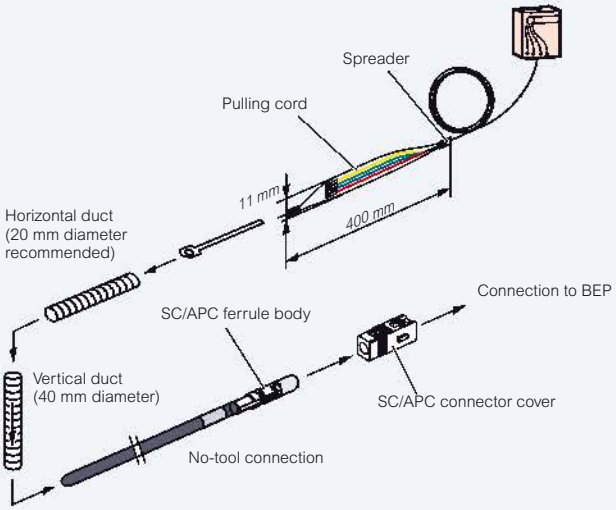
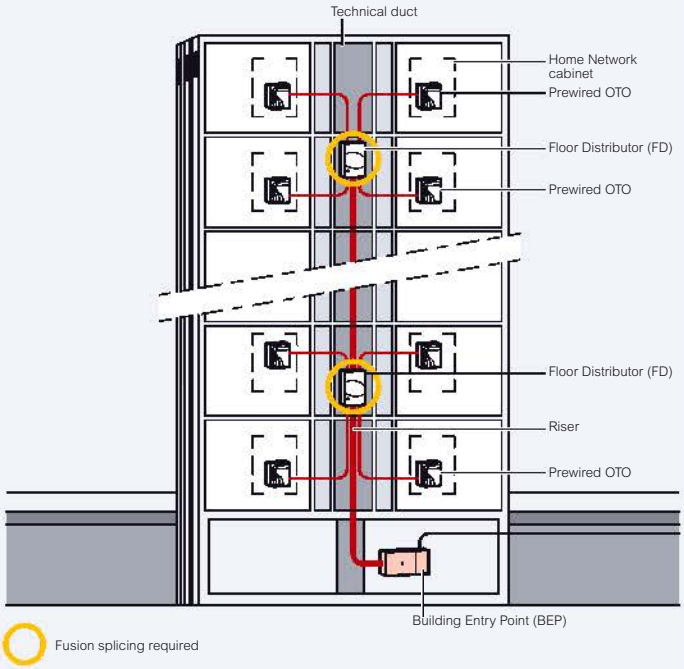


Diagram of the steps in setting up the prewired and preterminated OTO



Prewired solution



FttH - other components



4 130 50



4 130 51

Pack	Cat.Nos	Internal optical termination device/Optical telecommunications outlet
1	4 130 50	Unit for 1 optical fibre + SC/APC connector
1	4 130 51	Unit for 4 optical fibres + SC/APC connector
		Pigtail and patch cord
4	0 326 19	SC/APC pigtail, length 1 m
3	0 326 18	SC/APC simplex cord, length 2 m

Prewired preterminated OTO with 1, 2 or 4 fibres
Prewired vertical riser cable
For made-to-measure solutions, please contact your local Legrand sales office



OTHER WIRING ACCESSORIES

Kaptika™ Forix™



NEW
P. 436
Kaptika flush-mounting

Niloé™



NEW
P. 442
Niloé switches, push-buttons, dimmers



P. 449
Niloé special projects-switches and push-buttons

Valena™



P. 452
Switches, push-buttons, dimmers

Galea™ Life



P. 466
Switches, dimmers, push-buttons

Vela™



P. 484
Rocker plates

NEW PRODUCTS 2014



Kaptika™ flush-mounting

- 2P+E German standard socket outlet with shutters
- Double two-way switch

(p. 436-437)



Niloé™ special projects

A range to suit your budget

(p. 448)



NEW
P. 438
Forix
IP2X surface-mounting



P. 440
Forix
workstations



P. 441
Forix
IP 44 surface-mounting



P. 445
Shutters
and fan controls,
keycard switch



P. 445
Socket outlets



P. 446
TV,
telephone and
data sockets



P. 447
Niloé,
surface mounting
boxes, accessories



NEW
P. 449
Niloé
special
projects socket
outlets



NEW
P. 450
Niloé
special projects
TV, telephone, data
sockets



NEW
P. 451
Plates



P. 455
Television, data
and telephone
sockets



P. 457
Audio/video
sockets



NEW
P. 458
Socket outlets,
USB chargers



NEW
P. 465
Plates



P. 470
Data, TV and
telephone
sockets



P. 471
Socket outlets



P. 475
Rocker plate
selection charts



P. 482
Plate selection
charts



P. 484
Switches, push-
buttons, dimmers



P. 486
Socket outlets,
telephone, data,
TV sockets



P. 489
Supports frames
and boxes



P. 490
Plate selection
charts



Valena™
USB Chargers
(p. 459)



Valena™
- aluminium cover plates
- plates
(p. 463 to 465)


7 821 01


7 821 29


7 821 33


7 821 12

Conform to CE directive
Mechanisms supplied complete with cover plates and plates
Screw or claw mounting
2 finishes:
- White RAL R910 - Glossy finish
- Ivory RAL R113 - Glossy finish

Switches 10 AX- 250 V~

Pack	Cat.Nos	
		One-way switch
20	7 821 00	White
50	7 821 30	Ivory
		Two-way switch
50	7 821 04	White
50	7 821 34	Ivory
		One-way switch with indicator function
		Supplied with a green LED 1 mA
		Connection as a status indicator or locator function
50	7 821 01	White
50	7 821 31	Ivory
		Double one-way switch
20	7 821 02	White
50	7 821 32	Ivory
	N	**Double two-way switch**
20	7 821 29	White
20	7 821 59	Ivory
		Double one-way switch with indicator function
		Supplied with a green LED 1 mA
		Connection as a status indicator or locator function on one circuit
50	7 821 03	White
50	7 821 33	Ivory

Push-buttons 6 A - 250 V~

		Push-button
20	7 821 05	White
20	7 821 35	Ivory
		Illuminated push-button
		Supplied with a green LED - 1 mA
20	7 821 06	White
20	7 821 36	Ivory
		Push-button with "bell" symbol
20	7 821 07	White
20	7 821 37	Ivory

2P socket outlets 16 A - 250 V~

Pack	Cat.Nos	
		2P
50	7 821 10	White
50	7 821 40	Ivory
		2P with shutters for child safety
20	7 821 20	White
20	7 821 50	Ivory
		2 x 2P
30	7 821 12	White
30	7 821 42	Ivory

Presentation of Kaptika

Kaptika™

flush-mounting French and German standard socket outlets


7 821 11


7 821 41


7 821 13

Conform to CE directive
Mechanisms supplied complete with cover plates and plates
Screw or claw mounting
2 finishes:
- White RAL R910 - Glossy finish
- Ivory RAL R113 - Glossy finish

Pack	Cat.Nos	German standard socket outlets 16 A - 250 V~
		2P+E
20	7 821 11	○ White
50	7 821 41	Ivory
		2 x 2P+E
30	7 821 13	○ White
10	7 821 43	Ivory
		French standard socket outlets 16 A - 250 V~
		2P+E
50	7 821 17	○ White
50	7 821 47	Ivory
		2P+E with shutters for child safety
50	7 821 27	○ White
20	7 821 57	Ivory

Kaptika™

flush-mounting telephone, data and TV sockets


7 821 44


7 821 45

Conform to CE directive
Mechanisms supplied complete with cover plates and plates
Screw or claw mounting
2 finishes:
- White RAL R910 - Glossy finish
- Ivory RAL R113 - Glossy finish

Pack	Cat.Nos	RJ 11 telephone sockets
50	7 821 14	Automatic connection with perforation of the insulating material Supplied with a tool
50	7 821 44	○ White Ivory
		RJ 45 UTP cat. 5e sockets
20	7 821 24	Supplied with a tool
20	7 821 54	○ White Ivory
		Television sockets
50	7 821 15	Terminal TV sockets Male connector Ø9.52 mm Supplied with a connector to screw on the cable
50	7 821 45	○ White Ivory
		Cable outlets
50	7 821 16	Supplied with cable ties
50	7 821 46	○ White Ivory
		Universal flush-mounting box
250	0 313 01	1 gang unit Can be fitted alongside one another Can be used as junction box with cover Cat.No 0 892 81 (p. 566)
20	0 892 81	Square cover 80 x 80 mm, for 1 gang box Cat.No 0 313 01 (p. 566)

Forix™

IP 2X surface-mounting switches and socket outlets


7 824 00


7 824 20


7 824 23

Conform to IEC standard
Complete mechanisms supplied with rocker and cover plate - Screw terminals IP2X
2 finishes:
- White RAL R903 - Gloss finish
- Ivory RAL R113 - Gloss finish

Pack	Cat.Nos	Switches 10 AX - 250 V~
		Become illuminated with LED lamp Cat. No. 7 824 57
		One-way switch
20	7 824 00	○ White
20	7 824 30	Ivory
		Two-way switch
20	7 824 04	○ White
20	7 824 34	Ivory
		2 gang one-way switch
20	7 824 02	○ White
20	7 824 32	Ivory
	N	**2 gang two-way switch**
20	7 824 06	○ White
20	7 824 36	Ivory

Pack	Cat.Nos	Push-buttons 6 A - 250 V~
		Become illuminated with LED lamp Cat. No. 7 824 57
20	7 824 05	○ White
20	7 824 35	Ivory

Pack	Cat.Nos	2P socket outlets 16 A - 250 V~
		2P socket outlets - without shutters
20	7 824 10	○ White
20	7 824 40	Ivory
		2 x 2P socket outlets - without shutters
		Inclined 45° - Horizontal or vertical mounting
10	7 824 12	○ White
10	7 824 42	Ivory

Pack	Cat.Nos	German standard socket outlets 16 A - 250 V~
		2P+E socket without shutters
20	7 824 11	○ White
20	7 824 41	Ivory
		2 x 2P+E socket without shutters
		Inclined 45° - Horizontal or vertical mounting
10	7 824 13	○ White
10	7 824 43	Ivory
		2P+E socket with shutters for child protection
20	7 824 20	○ White
20	7 824 50	Ivory
		2 x 2P+E socket with shutters for child protection
		Inclined 45° - Horizontal or vertical mounting
10	7 824 23	○ White
10	7 824 53	Ivory
		3 x 2P+E socket with shutters for child protection
		Inclined 45° - Horizontal or vertical mounting
10	7 824 18	○ White
10	7 824 48	Ivory

Forix, complete and versatile wall-mounting solution

Forix™

IP 2X surface-mounting socket outlets, telephone, data and TV sockets


7 824 17


7 824 15


7 824 24


7 824 29

Conform to IEC standard
Complete mechanisms supplied with rocker and cover plate. Screw terminals IP2X
2 finishes:
- White RAL R903 - Gloss finish
- Ivory RAL R113 - Gloss finish

French standard socket outlets 16 A - 250 V~

Pack	Cat.Nos	
		2P+E socket with shutters for child protection
20	7 824 17	○ White
20	7 824 47	○ Ivory
		2x2P+E socket with shutters for child protection
		Inclined 45° horizontal or vertical mounting
10	7 824 19	○ White
10	7 824 49	○ Ivory

RJ 11 telephone sockets

Automatic connection by piercing the insulating material
Supplied with a tool

Pack	Cat.Nos	
20	7 824 14	○ White
20	7 824 44	○ Ivory

RJ 11 telephone socket and RJ 45 cat. 5e - UTP socket

Automatic connection by piercing the insulating material
Supplied with a tool

Pack	Cat.Nos	
20	7 824 21	○ White
20	7 824 51	○ Ivory

RJ 45 sockets cat. 5e - UTP

Automatic connection by piercing the insulating material
Supplied with a tool

Pack	Cat.Nos	
		1 x RJ 45
20	7 824 24	○ White
20	7 824 54	○ Ivory
		2 x RJ 45
20	7 824 28	○ White

RJ 45 keystone connector adaptor

Pack	Cat.Nos	
20	7 824 26	Double connector ○ White

Television sockets

Terminal TV socket
Male connector Ø9.52 mm

Pack	Cat.Nos	
20	7 824 15	○ White
20	7 824 45	○ Ivory

Wire outlets

Supplied with cable ties

Pack	Cat.Nos	
20	7 824 16	○ White
20	7 824 46	○ Ivory

Dismatic - 20 A

For protection and control of air-conditioning system
Single pole 220 V/380 V thermal MCB

Pack	Cat.Nos	
10	7 824 29	○ White

Lamp

Pack	Cat.Nos	
5	7 824 57	230 V - Consumption 3.4 mA

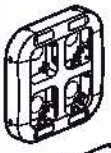
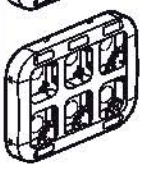


7 824 97 + 2 x RJ 45 sockets Cat. No. 7 824 24 (p. 439)

Conform to IEC standard
Ensure cable separation when fully equipped
Label marking areas
Pre-cut entries from 20 x 12.5 mm up to 40 x 12.5 mm
Take flush-mounting flexible conduits and surface-mounting mini-trunking
The workstations are composed of one plate and one cover plate
Workstations for integration of Forix IP2X surface mounting mechanisms or Mosaic™/Arteor™ mechanisms with adaptor Cat.No 7 824 25
White RAL R903 - Gloss finish

Workstations to be equipped

Accept all mechanisms Forix IP2X surface-mounting range

Pack	Cat.Nos	
2	7 824 94	4 gang 
2	7 824 96	Horizontal or vertical mounting 6 gang 

Equipped workstations

Pack	Cat.Nos	
2	7 824 97	Equipped with: - 4 x 2P+E German standard socket outlets with shutters - 2 blanking plates for integration of Forix mechanisms 

Mosaic™/Arteor™ adaptor

Pack	Cat.Nos	
10	7 824 25	Takes 2-module Mosaic™/Arteor™ mechanisms ○ White 

Blanking plate

Pack	Cat.Nos	
20	7 824 95	 Accessory to fill unused workstation spaces 1 gang

Forix, the evolutive solution for offices and commercial buildings

Forix™

IP 44 switches and socket outlets

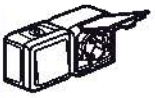
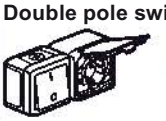

7 823 60


7 823 93


7 823 91

Conform to IEC standard: switches IEC 60669-1 (01-2007), socket outlets IEC 60884-1 (07-2006)
Mechanisms supplied complete with cover plates and plates
Surface mounting - screw terminals
2 finishes: White RAL R903 (Gloss finish); Grey RAL R735 (Gloss finish)
Mechanisms with single large rocker become illuminated with lamp Cat. No. 7 823 98

Pack	Cat.Nos	Switches 10 AX - 250 V~	
		One-way switch	
10	7 823 60		○ White
10	7 823 80		● Grey
		Two-way switch	
10	7 823 63		○ White
10	7 823 83		● Grey
		2 gang one-way switch	
10	7 823 62		○ White
10	7 823 82		● Grey
		2 gang two-way switch	
10	7 823 61		○ White
10	7 823 81		● Grey
		Double pole switch	
10	7 823 66		○ White
10	7 823 86		● Grey
		Intermediate switch	
10	7 823 65		○ White
10	7 823 85		● Grey
		Push-buttons 6 A - 250 V~	
10	7 823 64		○ White
10	7 823 84		● Grey
		Spare membrane glands	
5	7 823 79		○ White
5	7 823 99		● Grey
		Lamp	
50	7 823 98		230 V - Consumption 3.4 mA

Pack	Cat.Nos	German standard socket outlets 16 A - 250 V~ + switches	
		With shutters	
		2P+E socket	
10	7 823 73		○ White
10	7 823 93		● Grey
		2 x 2P+E socket	
5	7 823 74		○ White
5	7 823 94		● Grey
		One-way switch + 2P+E socket	
5	7 823 71		○ White
5	7 823 91		● Grey
		Double pole switch + 2P+E socket	
5	7 823 72		○ White
5	7 823 92		● Grey

Pack	Cat.Nos	French standard socket outlets 16 A - 250 V~	
		With shutters	
		2P+E socket	
10	7 823 75		○ White
10	7 823 95		● Grey
		2 x 2P+E socket	
5	7 823 77		○ White
5	7 823 97		● Grey
		Two-way switch + 2P+E socket	
5	7 823 76		○ White
5	7 823 96		● Grey

Forix, complete and versatile wall-mounting solution

Niloé™

Getting it just right

Just right... for the environement and for you the Niloé™ range is manufactured in ISO 14001 certified plants. Constant attention is paid to the environment impact of each simple activity

PERFECT INSTALLATION

TIMELESS DESIGN: 11 COLOURS

- Harmonious design for a light and modern look
- White or ivory glossy finish, to dress with a plate in the preferred colour



Mechanisms p. 443



Plates p. 451

EASY AND COST EFFECTIVE TO CUT INSTALLATION STEPS BY HALF JUST 2 STEPS

1



2



1- Fix the device without removing the protection cover
2- Remove the protection cover and fit the cover plate



Claw mounting



Multi-gang installation

2 PACKAGING SOLUTIONS

- Legrand boxes

Delivery by 10 with protection cover



- Flow pack for projects

A useful protection to guarantee an excellent work



Video of Niloé presentation

Niloé™

switches and push-buttons


6 647 01


6 648 01


6 647 10


6 647 05


6 647 09

Mechanisms supplied with cover plates and support frames
To be equipped with plates (p. 451)
Automatic terminals (except Cat.Nos 6 645 03-6 646 03)
Fixing with screws. Fixing with claws using accessory Cat.No 6 650 99 (p. 447)
Supplied with site protection cover

Pack	Cat.Nos	Switches 10 AX - 250 V~
		One-way or two-way switch
10	6 647 01	○ White
10	6 648 01	○ Ivory
1	6 643 01	○ White Pack of 50, specially adapted for work sites
		2 gang two-way switch
10	6 647 02	○ White
10	6 648 02	○ Ivory
		Illuminated two-way switch Lights with lamps Cat.Nos 6 650 90 or 6 650 92 and indicator with lamp Cat.No 6 650 91
10	6 647 10	○ White
10	6 648 10	○ Ivory
		IP 44 two-way switch Lights with lamps Cat.Nos 6 650 90 or 6 650 92 and indicator with lamp Cat.No 6 650 91 Mounts on standard plate
10	6 647 21	○ White
10	6 648 21	○ Ivory
		3 gang one-way switch Supplied with claws
10	6 645 03	○ White - Screw terminals
10	6 646 03	○ Ivory - Screw terminals
		Intermediate switch Enables you to add a third control point in a two-way switch installation
10	6 647 04	○ White
10	6 648 04	○ Ivory
		Switches 16 AX - 250 V~
		Indicator two-way switch Supplied with lamp Cat.No 6 650 91
10	6 647 16	○ White
10	6 648 16	○ Ivory
		Multifunction switches
		4 functions = 1 reference Supplied with single and double rocker plate to facilitate: - a single two-way switch or a single push-button - a double two-way switch or a double push-button - one two-way switch + push-button (on the left or on the right)
		1 gang multifunction switch Supplied in push-button mode with single rocker plate fitted.
1	6 647 13	○ White
1	6 648 13	○ Ivory

Pack	Cat.Nos	Multifunction switches (continued)
		2 gang illuminated switch Supplied in 2 gang push-button mode with 2 lamps for illuminating function Cat.No 6 650 90 Supplied with 1 additional non-illuminated rocker plate
10	6 647 14	○ White
10	6 648 14	○ Ivory
		Push-buttons 6 A - 250 V~
		1 gang - NO-NC contact
10	6 647 05	○ White
10	6 648 05	○ Ivory
		2 gang - NO-NC contact
10	6 647 08	○ White
10	6 648 08	○ Ivory
		1 gang-with label-holder - NO-NC contact
10	6 643 15 N	○ White/ Ivory Supplied with claws, no LED Can be equipped with a 12 V or 230 V LED (p. 447)
10	6 647 15	○ White/ Ivory Supplied with lamp Cat.No 6 650 90 and labels with 'bell', 'padlock' and 'light bulb' symbol
		Illuminated
10	6 647 26 N	○ White Supplied with LED
		IP 44 - NO-NC contact Can be illuminated with Cat.No 6 650 90 or Cat.No 6 650 92 Mounts on standard plates
10	6 647 25	○ White
10	6 648 25	○ Ivory
		2-way switch 10 AX + push-button 6 A - NO/NC contacts - 250 V~
		1 gang - NO-NC contact
10	6 647 09	○ White
10	6 648 09	○ Ivory

Multifunction switches video

Niloé™

dimmers and automatic switches



6 651 14



6 651 18

Mechanisms supplied with cover plates and support frames
To be equipped with plates (p. 451)
Screw terminals
Fixing with screws. Fixing with claws using accessory Cat.No 6 650 99 (p. 447)
Supplied with site protection cover

Pack	Cat.Nos	Dimmers 400 W - 2-wire
		Facilitate the control and dimming of: - 20 to 400 W incandescent, 230 V~ halogen - 40 to 400 VA ELV halogen bulbs with ferromagnetic transformer via electronic transformer Can be installed as a replacement for a traditional switch
		Push dimmer With on/off button and separate +/- button for dimming
1	6 651 14	 ○ White
1	6 652 14	● Ivory
		Rotary dimmer
1	6 651 17	 ○ White
1	6 652 17	● Ivory

Pack	Cat.Nos	Automatic switches - 2-wire
		Without neutral Facilitate the control of 40 to 400 W incandescent, 230 V halogen and ELV halogen lamps via ferromagnetic or electronic transformer Can be installed as a replacement for a traditional switch Can be used as a two-way switch with push-button
1	6 651 18	 ○ White
1	6 652 18	● Ivory
		Without neutral, for a time switch For use with a modular time switch Enables automatic on/off switching, in a corridor or staircase, etc. Can be installed in replacement for a push-button The time-delay setting must be the same as for the time switch
1	6 651 19	 ○ White

Niloé™

Radio/ZigBee®



6 651 01



6 651 11

Mechanisms equipped with cover plates and support frames
To be equipped with plates (p. 451)

Pack	Cat.Nos	Radio/ZigBee® switches
		Centralized control units - transmitter switches Surface-mounting or within a flush-mounting box No wiring required. Powered by 3V CR 2032 lithium batteries, supplied
1	6 651 01	 ○ White - Single switch Enables you to control a group of Radio/ZigBee® receiver switches
1	6 651 02	 ○ White - 2-gang switch Used to control two groups of Radio/ZigBee® receiver switches
		Individual unit - receiver switch 300 W For installation in Batibox flush-mounting boxes min. depth 40 mm
1	6 651 03	 ○ White - Single switch - no neutral with status LED Enables you to control halogen and incandescent lamps
		Micromodule switch 300 W
1	0 883 05	 Enables you to improve an existing installation by adding control points without damage to the walls Enables you to control energy-saving, LED, halogen and incandescent lamps To be installed near the lamp with neutral with Cat.No 0 306 54 (plug-in ceiling rose) for example Must be mounted with switches Cat.Nos 0 6 651 01/02 Phase/neutral power supply

Pack	Cat.Nos	Radio/ZigBee® roller blind control
		Centralized control unit - transmitter switch
1	6 651 11	 ○ White Allows you to raise/lower/stop a group of individual roller blind switches
		Individual unit - receiver switch
1	6 651 12	 ○ White For direct motor control (4-wire) Phase/neutral power supply Preset function integrated into the switch

ZigBee®: ZigBee® certified product with Manufacturer Specific Profile

Niloé™

shutters, fan controls and key card switch



6 647 11



6 647 91

Mechanisms supplied with cover plates and support frames
To be equipped with plates (p. 451)
Fixing with screws. Fixing with claws using accessory Cat.No 6 650 99 (p. 447)
Supplied with site protection cover

Pack	Cat.Nos	Shutters and fan controls
		Automatic terminals
		Shutters control switch - 3 positions
		3-position switches "Raise - Stop - Lower" for direct motor control
10	6 647 11	○ White
10	6 648 11	Ivory
		Fan control switch - 2 positions
		2-position switches Low or high speed for direct control of a centralized mechanical ventilation system
10	6 647 91	○ White
10	6 648 91	Ivory
		Key card switch
		Screw terminals To operate the room's electrical circuits (max. card length 54mm. Turns off 30 seconds after the card is removed)
10	6 647 93	○ White
10	6 648 93	Ivory

Niloé™

German standard socket outlets



6 647 31



6 647 47

Mechanisms supplied with cover plates and support frames
To be equipped with plates (p. 451)
Fixing with screws. Fixing with claws using accessory Cat.No 6 650 99 (p. 447)
Supplied with site protection cover

Pack	Cat.Nos	2P socket outlets with safety shutters
		Screw terminals
10	6 647 34	○ White
10	6 648 34	Ivory

Pack	Cat.Nos	German standard socket outlets with safety shutters
		2P+E - automatic terminals
10	6 647 31	○ White
10	6 648 31	Ivory
		N
		2P+E with flap cover - automatic terminals
10	6 647 32	○ White
10	6 648 32	Ivory
		2P+E with flap cover - IP 44 - automatic terminals
		Supplied with air permeability sock Cat.No 6 650 96 To be equipped with standard plates
10	6 647 47	○ White
10	6 648 47	Ivory
		2 x 2P+E compact - automatic terminals
		Supplied complete with plate Supplied with claws Installation in 1 gang flush-mounting box Allows you to replace 1 socket with 2 sockets without changing the flush-mounting box
10	6 645 43	○ White - screw mounting
10	6 646 43	Ivory - screw mounting
		2 x 2P+E pre-wired - automatic terminals
		To be equipped with 2 gang plate
10	6 647 46	○ White
10	6 648 46	Ivory

Niloé™

French standard socket outlets and cable outlets


6 648 35


6 645 41

Mechanisms supplied with cover plates and support frames
To be equipped with plates (p. 451)
Fixing with screws. Fixing with claws using accessory Cat.No 6 650 99 (p. 447)
Supplied with site protection cover

Pack	Cat.Nos	French standard socket outlets with safety shutters
		2P+E - Automatic terminals
10	6 647 35	 ○ White
10	6 648 35	● Ivory
1	6 643 35	 ○ White Pack of 50, specially adapted for work sites
		2P+E - IP 44 - Automatic terminals
10	6 647 48	 ○ White
10	6 648 48	● Ivory
		2 x 2P+E pre-wired - Automatic terminals
		For installation in 2-gang Batibox flush-mounting box
10	6 647 45	 ○ White
10	6 648 45	● Ivory
		2 x 2P+E compact - screw terminals
		Supplied complete with plate Supplied with claws Installation in 1 gang flush-mounting box Allows you to replace 1 socket with 2 sockets without changing the flush-mounting box
10	6 645 41	 ○ White
10	6 646 41	● Ivory
		Cable outlets
		Standard IP 21
		Supplied with cover plate incorporating the plate One-gang installation
10	6 647 95	 ○ White
10	6 648 95	● Ivory
		Mosaic and Arteor adaptors
		Accept 2-module mechanisms (except special surface-mounting type)
10	6 651 95	 ○ White
10	6 652 95	● Ivory
	N	
10	6 651 96	**Blanking plate** ○ White

Niloé™

telephone and data sockets


6 647 75

Mechanisms supplied with cover plates and support frames
To be equipped with plates (p. 451)
Fixing with screws. Fixing with claws using accessory Cat.No 6 650 99 (p. 447)
Supplied with site protection cover

Pack	Cat.Nos	Telephone sockets
		RJ 11 sockets
10	6 647 69	 ○ White
10	6 648 69	● Ivory
		T-shaped telephone sockets
10	6 647 68	 ○ White
10	6 648 68	● Ivory
		2 x RJ 11 sockets
10	6 647 70	 ○ White
10	6 648 70	● Ivory
		Data sockets
		Cat. 6 STP
		360° shielded sockets
10	6 647 75	 ○ White
10	6 648 75	● Ivory
		Cat. 6 FTP
		9 contact socket
10	6 647 77	 ○ White
10	6 648 77	● Ivory

Niloé™

television sockets



6 647 60



6 647 63

Mechanisms supplied with cover plates and support
To be equipped with plates (p. 451)
Fixing with screws. Fixing with claws using accessory Cat.No 6 650 99 (p. 447)
Supplied with site protection cover
For Hertzian and satellite installation (with individual demodulator)
DTT and HDTV compatible
Shielded sockets
TV: male connector (Ø9.5 mm)
R: female connector (Ø9.5 mm)
SAT: "F" type connector
Recommended coaxial cable: 17/19 VATC

Pack	Cat.Nos	TV-R-SAT sockets
		TV: 5-68/120-862 MHz R: 87.5-108 MHz SAT: 550-2400 MHz
		Star 1.5 dB
10	6 647 63	○ White
10	6 648 63	○ Ivory
		Terminal - 10 dB
10	6 645 64	○ White
10	6 646 64	○ Ivory
		Passthrough - 14 dB
10	6 645 65	○ White
10	6 646 65	○ Ivory

		TV-R sockets
		TV: 5-68/120-862 MHz R: 87.5-108 MHz
		Star - 1.5 dB
10	6 647 60	○ White
10	6 648 60	○ Ivory
		Terminal - 10 dB
10	6 645 62	○ White
10	6 646 62	○ Ivory
		Passthrough - 14 dB
10	6 645 61	○ White
10	6 646 61	○ Ivory

		TV sockets
		TV: 0-2400 MHz
		Star 1.5 dB
10	6 647 51	○ White
10	6 648 51	○ Ivory

		TV sockets "F" type with screws
		SAT: 0-2400 MHz
		Star - 1.5 dB
10	6 647 50	○ White
10	6 648 50	○ Ivory

		Fibre optic sockets
		Equipped with 2 x SC/APC adaptors with protection cover
10	6 647 79	○ White
10	6 648 79	○ Ivory

Niloé™

surface mounting boxes, accessories and IP 44 plates



6 647 98



6 650 00

Pack	Cat.Nos	Surface mounting boxes
		Can be used horizontally or vertically DL PLUS input 20 x 15.5 mm, 32 x 12.5 mm 40 x 20 mm and Ø20 tube
		1-gang
		Dimensions: 88.5 x 88.5 mm - height 40 mm
10	6 647 98	○ White
10	6 648 98	○ Ivory
		2-gang
		Dimensions: 159.5 x 88.5 mm - height 40 mm
5	6 647 99	○ White
5	6 648 99	○ Ivory

		Accessories
		Claws
100	6 650 99	"Rapido" claws Enable you to mount devices undergoing renovation
		Monitor and indicator lights Connection by direct mounting LED maintenance-free lamp
10	6 650 90	230 V indicator light Consumption 0.15 mA
10	6 650 91	230 V monitor light Consumption 3 mA
10	6 650 92	12 V - 24 V - 48 V indicator light

		IP 44 plates
		IP 44 and IK 07 provide standard Niloé functionality For exceptions: see the technical data sheet Cannot be surface mounted 1-gang
10	6 650 00	○ White
10	6 650 10	○ Ivory

Plates see **p. 451**



Niloé™

Special for projects

the essential

for all your projects

SWITCHES



2-way switch



2-gang one-way switch

TV & COMPUTERS



TV socket



RJ 45 Multimedia (telephone, data, TV)

POWER SOCKETS



German standard socket outlet



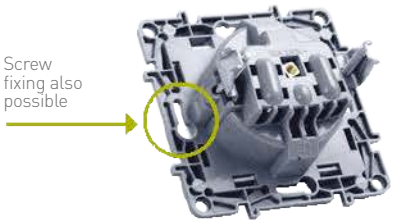
Standard pre-wired double socket outlet German standard

A MUST-HAVE PRODUCT FOR YOUR PROJECT WITH ESSENTIAL FUNCTIONALITY

FLOW PACKAGING: THE PROTECTION WHICH GUARANTEES DELIVERY OF'AN EXCEPTIONAL QUALITY PRODUCT

- Thanks to the flow packaging, your product is protected throughout the delivery process, right up until you mount it on the wall.





- MOUNTING CLIPS
  - › Robust construction
  - › Configuration adapted to all types of units



- SCREW TERMINALS

Niloé™ special projects

switches and push-buttons


6 645 00


6 645 06


6 645 23

Mechanisms supplied with cover plates and support frames in an individual flow pack. To be equipped with plates (p. 451)
Flush-mounting or surface-mounting
Supplied with claws
Screw terminals

Pack	Cat.Nos	Switches 10 AX - 250 V~
		One-way switch
		Can be illuminated with kit rocker + LED Cat.No 6 645 23
20	6 645 00	White
20	6 646 00	Ivory
		2 gang one-way switch
20	6 645 06	White
20	6 646 06	Ivory
		2 gang one-way switch with single live
20	6 645 96	White
20	6 646 96	Ivory
		Two-way switch
		Can be illuminated with kit rocker + LED Cat.No 6 645 23
20	6 645 20	White
20	6 646 20	Ivory
		Push-buttons 6 AX - 250 V~
		NO-NC push-button
20	6 645 07	White
20	6 646 07	Ivory
		Illuminated push-button
		Supplied with LED
20	6 645 22	White
20	6 646 22	Ivory
		Kit rocker + LED
		To transform single command into illuminated command
10	6 645 23	White
10	6 646 23	Ivory

Niloé™ special projects

German and French standard socket outlets


6 646 40


6 645 42

Mechanisms supplied with cover plates and support frames in an individual flow pack. To be equipped with plates (p. 451)
Flush-mounting or surface-mounting
Supplied with claws
Screw terminals

Pack	Cat.Nos	2P sockets
20	6 645 38	White
20	6 646 38	Ivory
		German standard socket outlets
		2P+E socket
20	6 645 39	White
20	6 646 39	Ivory
		2P+E socket with safety shutters
20	6 645 29	White
20	6 646 29	Ivory
		2 x 2P+E (1-gang) sockets supplied with plate and cover plate
10	6 645 44	White
10	6 646 44	Ivory
		French standard socket outlets
		2P+E socket
20	6 645 40	White
20	6 646 40	Ivory
		2P+E socket with safety shutters
20	6 645 27	White
20	6 646 27	Ivory
		2 x 2P+E (1-gang) sockets supplied with plate and cover plate
10	6 645 42	White
10	6 646 42	Ivory

Niloé™

TV, telephone and data sockets



6 645 52



6 645 69



6 646 71

Mechanisms supplied with cover plates and support frames in an individual flow pack. To be equipped with plates (p. 451)
Flush-mounting or surface-mounting
Supplied with claws
Screw terminals

Pack	Cat.Nos	Male TV sockets
		TV: 0-2400 MHz
		Passthrough - 10 dB
20	6 645 52	White
20	6 646 52	Ivory
		Passthrough - 15 dB
20	6 645 53	White
20	6 646 53	Ivory
		Passthrough - 20 dB
20	6 645 54	White
20	6 646 54	Ivory
		Terminal - 5 dB
20	6 645 55	White
20	6 646 55	Ivory

Pack	Cat.Nos	Telephone, data sockets
		RJ 11
20	6 645 69	White
20	6 646 69	Ivory
		RJ 45 - Cat. 5 UTP
20	6 645 71	White
20	6 646 71	Ivory

Niloé™

surface mounting boxes, IP44 plates and accessory



6 647 98



6 650 00

Pack	Cat.Nos	Surface mounting boxes
		Can be used horizontally or vertically DL PLUS input 20 x 15.5 mm, 32 x 12.5 mm 40 x 20 mm and Ø20 tube
		1-gang
		Dimensions: 88.5 x 88.5 mm - height 40 mm
10	6 647 98	White
10	6 648 98	Ivory
		2-gang
		Dimensions: 159.5 x 88.5 mm - height 40 mm
5	6 647 99	White
5	6 648 99	Ivory

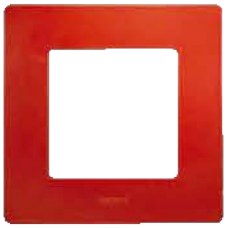
Pack	Cat.Nos	IP 44 plates
		IP 44 and IK 07 provide standard Niloé functionality For exceptions: see the technical data sheet Cannot be surface mounted
		1-gang
10	6 650 00	White
10	6 650 10	Ivory

Pack	Cat.Nos	Accessory
100	6 650 98	Protective shield Clips on to standard mechanisms. You can bend or open it to access the 2P+E socket.

Niloé™

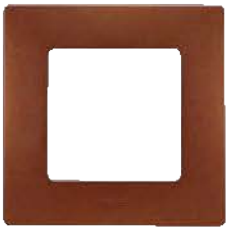
plates


6 650 11


6 650 21


3 970 51


3 970 41


3 970 71

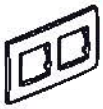
1-gang

Pack	Cat.Nos	
20	6 650 01	White
20	6 650 11	Ivory
10	6 650 31	Taupe
10	6 650 21	Red
10	3 970 81	Plum
10	3 970 31	Bronze
10	3 970 51	Onyx
10	3 970 41	Aluminium
10	3 970 71	Cacao
10	3 970 91	Dark wood
10	3 970 95	Light wood



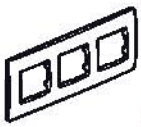
2-gang

Pack	Cat.Nos	
10	6 650 02	White
10	6 650 12	Ivory
10	6 650 32	Taupe
10	6 650 22	Red
10	3 970 82	Plum
10	3 970 32	Bronze
10	3 970 52	Onyx
10	3 970 42	Aluminium
10	3 970 72	Cacao
10	3 970 92	Dark wood
10	3 970 96	Light wood



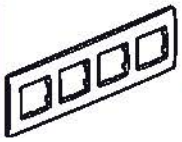
3-gang

Pack	Cat.Nos	
5	6 650 03	White
5	6 650 13	Ivory
5	6 650 33	Taupe
5	6 650 23	Red
10	3 970 83	Plum
10	3 970 33	Bronze
10	3 970 53	Onyx
10	3 970 43	Aluminium
10	3 970 73	Cacao
10	3 970 93	Dark wood
10	3 970 97	Light wood



4-gang

Pack	Cat.Nos	
1	6 650 04	White
1	6 650 14	Ivory
1	6 650 34	Taupe
1	6 650 24	Red



5-gang

Pack	Cat.Nos	
1	6 650 05	White
1	6 650 15	Ivory
1	6 650 35	Taupe
1	6 650 25	Red





7 743 06 + 7 703 11



7 744 06 + 7 704 20



7 701 05 + 7 703 31



7 742 13 + 7 704 91



7 741 01 + 7 743 51

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465)
Screw or claw mounting

Pack	Cat.Nos	Switches 10 AX - 250 V~
		Automatic terminals
		One-way switch
10	7 743 01	Ivory
10	7 744 01	White
10	7 701 01	Brilliant Aluminium
		Two-way switch
10	7 743 06	Ivory
10	7 744 06	White
10	7 701 06	Brilliant Aluminium
		Intermediate switch
10	7 743 07	Ivory
10	7 744 07	White
10	7 701 07	Brilliant Aluminium
		Illuminated switch
		Supplied with 0.5 mA - 230 V green lamp
		Cat.No 7 758 97
10	7 743 10	Ivory
10	7 744 10	White
10	7 701 10	Brilliant Aluminium
		Two-way switch with indicator
		Supplied with 1 mA - 230 V orange lamp
		Cat.No 7 758 98
10	7 743 25	Ivory
10	7 744 25	White
10	7 701 25	Brilliant Aluminium
		Illuminated two-way switch
		Supplied with 0.5 mA - 230 V green lamp
		Cat.No 7 758 97
10	7 743 26	Ivory
10	7 744 26	White
10	7 701 26	Brilliant Aluminium
		Illuminated intermediate switch
		Supplied with 0.5 mA - 230 V green lamp
		Cat.No 7 758 97
10	7 743 48	Ivory
10	7 744 48	White
10	7 701 48	Brilliant Aluminium
		2 gang one-way switch
10	7 743 05	Ivory
10	7 744 05	White
10	7 701 05	Brilliant Aluminium
		2 gang two-way switch
10	7 743 08	Ivory
10	7 744 08	White
10	7 701 08	Brilliant Aluminium
		2 gang two-way switch with one indicator
		Supplied with 1 mA - 230 V orange lamp
		Cat.No 7 758 98
10	7 743 45	Ivory
10	7 744 45	White
10	7 701 45	Brilliant Aluminium
		Illuminated 2 gang one-way switch
		Supplied with 1 mA - 230 V green lamp
		Cat.No 7 758 97
10	7 743 28	Ivory
10	7 744 28	White
10	7 701 28	Brilliant Aluminium

Pack	Cat.Nos	Switches 10 AX - 250 V~ (continued)
		2 gang one-way switch with two indicators
		Supplied with 1 mA - 230 V orange lamp
		Cat.No 7 758 98
10	7 741 13	Ivory
10	7 742 13	White
10	7 702 13	Brilliant Aluminium
		Illuminated 2 gang two-way switch
		Supplied with 0.5 mA - 230 V green lamp
		Cat.No 7 758 97
10	7 741 12	Ivory
10	7 742 12	White
10	7 702 12	Brilliant Aluminium
		Double pole switch
10	7 743 02	Ivory
10	7 744 02	White
10	7 701 02	Brilliant Aluminium
		Double pole switch with indicator
		Supplied with 1 mA - 230 V orange lamp
		Cat.No 7 758 98
10	7 743 49	Ivory
10	7 744 49	White
10	7 701 49	Brilliant Aluminium

Pack	Cat.Nos	Switches 10 AX - 250 V~ - IP 44
		Automatic terminals
		One-way switch
10	7 741 01	Ivory
10	7 742 01	White
		Two-way switch
10	7 741 06	Ivory
10	7 742 06	White
		Intermediate switch
10	7 741 97	Ivory
10	7 700 97	White
		2 gang two-way switch
10	7 741 98	Ivory
10	7 700 98	White
		Double pole switch
10	7 741 92	Ivory
10	7 700 92	White

Valena™

switches (continued)



7 741 04 + 7 703 01



7 742 14 + 7 704 71

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465) - Screw or claw mounting

Pack	Cat.Nos	Switches 16 AX - 250 V~
		Automatic terminals
		Two-way switch
10	7 741 05	Ivory
10	7 742 05	White
10	7 702 05	Brilliant Aluminium
		Illuminated two-way switch
		Supplied with 0.5 mA - 230 V green lamp Cat.No 7 758 97
10	7 741 03	Ivory
10	7 742 03	White
10	7 702 03	Brilliant Aluminium
		Double pole switch
10	7 741 04	Ivory
10	7 742 04	White
10	7 702 04	Brilliant Aluminium
		Double pole switch with indicator
		Supplied with 1 mA - 230 V orange lamp Cat.No 7 758 98
10	7 741 14	Ivory
10	7 742 14	White
10	7 702 14	Brilliant Aluminium
		3-pole switches 10 A - 400 V~
		Automatic terminals
		For fluorescent tubes
10	7 743 03	Ivory
10	7 744 03	White
10	7 701 03	Brilliant Aluminium

Valena™

push-buttons



7 743 12 + 7 743 51



7 701 13 + 7 703 51



7 744 19
+ 7 744 51

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465) - Screw or claw mounting

Pack	Cat.Nos	Push-buttons 10 A - 250 V~
		Automatic terminals
		Push-button
10	7 743 11	Ivory
10	7 744 11	White
10	7 701 11	Brilliant Aluminium
		Push-button with lamp symbol
10	7 743 12	Ivory
10	7 744 12	White
10	7 701 12	Brilliant Aluminium
		Push-button with bell symbol
10	7 741 16	Ivory
10	7 742 16	White
10	7 702 16	Brilliant Aluminium
		Illuminated push-button with lamp symbol
		Supplied with 1 mA - 230 V green lamp Cat.No 7 758 90
10	7 743 13	Ivory
10	7 744 13	White
10	7 701 13	Brilliant Aluminium
		Illuminated push-button with bell symbol
		Supplied with 1 mA - 230 V green lamp Cat.No 7 758 90
10	7 741 15	Ivory
10	7 742 15	White
10	7 702 15	Brilliant Aluminium
		Double changeover push-button
1	7 741 18	Ivory
1	7 742 18	White
1	7 702 18	Brilliant Aluminium
		Changeover push-button for pull cord control
1	7 743 19	Ivory
1	7 744 19	White
1	7 701 19	Brilliant Aluminium
		Push-buttons 10 A - 250 V~ - IP 44
		Push-button with bell symbol
10	7 741 99	Ivory
10	7 700 99	White
		Push-buttons 10 A - 12 V~
		Automatic terminals
		Illuminated push-button with bell symbol
		Supplied with 15 mA - 8-12 V green lamp Cat.No 7 758 99
10	7 743 15	Ivory
10	7 744 15	White
10	7 701 15	Brilliant Aluminium
		Illuminated push-button with label-holder
		Supplied with 15 mA - 8-12 V green lamp Cat.No 7 758 99
10	7 741 17	Ivory
10	7 742 17	White
10	7 702 17	Brilliant Aluminium
		Accessory
10	0 898 05	Pull-cord accessory 1.5 m length

Valena™

automatic switches, dimmers



7 700 89 + 7 744 51



7 700 74 + 7 744 61

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465) - Screw or claw mounting

Pack	Cat.Nos	Automatic switches with movement detector
		230 V~ - 50/60 Hz Luminosity threshold: 3 to 1000 lux
		Standard 60-300 W for incandescent and halogen lamps 230 V~ Temporization: 6 seconds to 6 min. Can replace a switch without additional wiring Detection angle: 130°
1	7 741 28	Ivory
1	7 742 28	White
1	7 702 28	Brilliant Aluminium
		With override, with neutral 1000 W for incandescent and halogen lamps 230 V~ 500 VA ELV lamps with electronic or ferromagnetic transformers, fluorescent tubes and compact lamps 100 VA fans Temporization: 1 second to 16 min Detection angle: 180° Can be remotely controlled via non-illuminated push-button
1	7 741 89	Ivory
1	7 700 89	White
1	7 702 89	Brilliant Aluminium
		Dimmers 230 V~ - 50 Hz
		Rotary dimmer Push for On/Off function Rotate for light level adjustment 100-1000 W for incandescent and halogen lamps 230 V~ 1000 VA ELV lamps with ferromagnetic transformers
1	7 741 60	Ivory
1	7 700 60	White
1	7 702 60	Brilliant Aluminium
		Rotary adjustment and control 40-400 W for incandescent and halogen lamps 230 V~ 40-400 VA ELV lamps with ferromagnetic transformers
1	7 741 61	Ivory
1	7 700 61	White
1	7 702 61	Brilliant Aluminium
		Push-button dimmer - 40-400 W With an On/Off button and a separate + / - button for dimming 40-400 W for incandescent and halogen lamps 230 V~ 40-400 VA ELV halogen lamps with electronic and ferromagnetic transformers Can be remotely controlled via non-illuminated push-button or two-way switch
1	7 741 62	Ivory
1	7 700 62	White
1	7 702 62	Brilliant Aluminium
		Push-button dimmer - 40-600 W With an On/Off button and a separate + / - button for dimming 40-600 W for incandescent and halogen lamps 230 V~ 40-600 VA ELV halogen lamps with ferromagnetic transformers
1	7 741 74	Ivory
1	7 700 74	White
1	7 702 74	Brilliant Aluminium

Valena™

roller blinds control, keycards for hotel rooms and thermostats



7 743 04 + 7 703 11



7 741 35 + 7 700 20



7 741 26 + 7 743 51

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465) - Screw or claw mounting

Pack	Cat.Nos	Roller blinds control 10 A - 250 V~
		Automatic terminals
		Switch with mechanical interlock
1	7 743 04	Ivory
1	7 744 04	White
1	7 701 04	Brilliant Aluminium
		Push-button with electrical interlock
1	7 743 14	Ivory
1	7 744 14	White
1	7 701 14	Brilliant Aluminium
		Keycards for hotel rooms
		For energizing a circuit by inserting a card Example of use: hotel room power supply only when the guest is present 230 V~ - 50/60 Hz
		Standard Compatible with a smart card for hotel room max. width 54 mm
10	7 741 34	Ivory
10	7 742 34	White
10	7 702 34	Brilliant Aluminium
		With time delay Compatible with a smart card for hotel room max. width 54 mm or a key fob Cat.No 0 898 06 (p. 504) Aprox 30 sec. after card removal
1	7 741 35	Ivory
1	7 742 35	White
1	7 702 35	Brilliant Aluminium
		Thermostats
		Standard NO/NC contact to control heating or air-conditioning
1	7 741 26	Ivory
1	7 742 26	White
1	7 702 26	Brilliant Aluminium
		Comfort with switch Comfort/reduce, manual or automatic with auxiliary input 230 V~
1	7 741 27	Ivory
1	7 742 27	White
1	7 702 27	Brilliant Aluminium
		For floor heating system Comfort mode reduced with auxiliary input 230 V~ Supplied with floor sensor, length 20 m
1	7 741 91	Ivory
1	7 700 91	White
1	7 702 91	Brilliant Aluminium
		Thermostat probe
1	7 700 93	Length 20 m

Valena™

television sockets


7 701 36 + 7 703 91


7 744 32 + 7 744 51


7 743 29 + 7 703 01



7 743 42

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465)
Screw or claw mounting
For Hertzian and satellite installation (with individual demodulator)
DTT and HDTV compatible. Shielded sockets
TV: male connector (Ø9.5 mm)
R: female connector (Ø9.5 mm)
SAT: "F" type connector
Recommended coaxial cable: 17/19 VATC

Pack	Cat.Nos	TV-R-SAT sockets
		TV: 5-68/120-862 MHz R: 87.5-108 MHz SAT: 550-2400 MHz
		Star socket - 1.5 dB
10	7 743 35	Ivory
10	7 744 35	White
10	7 701 35	Brilliant Aluminium
		Terminal socket - 10 dB
10	7 743 36	Ivory
10	7 744 36	White
10	7 701 36	Brilliant Aluminium
		Passthrough socket - 14 dB
10	7 743 37	Ivory
10	7 744 37	White
10	7 701 37	Brilliant Aluminium
		TV-R-SAT 2 cables - 1.5 dB
	N	Possible to add satellite on existing installation without connection, just need a second cable to the socket
10	7 704 10	White
10	7 741 10	Ivory
10	7 702 10	Brilliant Aluminium
		TV-R central plates
		30 mm with screw for adaptation to local manufacturers such as DX Contera, Televes and Hirschmann
10	7 743 42	Ivory
10	7 744 42	White
10	7 701 42	Brilliant Aluminium

Pack	Cat.Nos	TV-R sockets
		TV: 5-68/120-862 MHz R: 87.5-108 MHz
		Star socket - 1.5 dB
10	7 743 32	Ivory
10	7 744 32	White
10	7 701 32	Brilliant Aluminium
		Terminal socket - 10 dB
10	7 743 33	Ivory
10	7 744 33	White
10	7 701 33	Brilliant Aluminium
		Passthrough socket - 14 dB
10	7 743 34	Ivory
10	7 744 34	White
10	7 701 34	Brilliant Aluminium
		TV sockets
		TV: 0-2400 MHz
		Star socket - 1.5 dB
10	7 743 29	Ivory
10	7 744 29	White
10	7 701 29	Brilliant Aluminium
		Terminal socket - 10 dB
10	7 743 30	Ivory
10	7 744 30	White
10	7 701 30	Brilliant Aluminium
		Passthrough socket - 14 dB
10	7 743 31	Ivory
10	7 744 31	White
10	7 701 31	Brilliant Aluminium

Valena™

data sockets



7 741 44 + 7 743 51



7 702 39 + 7 703 71

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465) - Screw or claw mounting
Fast connection sockets – no tool required
Contacts marked with double colour codes

Pack	Cat.Nos	Data sockets Cat. 6
		RJ 45 UTP - 1 outlet
10	7 741 46	Ivory
10	7 741 42	Ivory - without claws
10	7 742 46	White
10	7 742 42	White - without claws
10	7 702 46	Brilliant Aluminium
10	7 702 42	Brilliant Aluminium - without claws
		RJ 45 UTP - 2 outlets
10	7 741 47	Ivory
10	7 741 43	Ivory - without claws
10	7 742 47	White
10	7 742 43	White - without claws
10	7 702 47	Brilliant Aluminium
10	7 702 43	Brilliant Aluminium - without claws
		RJ 45 FTP - 1 outlet - without claws
10	7 741 32	Ivory
10	7 742 32	White
10	7 702 32	Brilliant Aluminium
		RJ 45 FTP - 2 outlets - without claws
10	7 741 33	Ivory
10	7 742 33	White
10	7 702 33	Brilliant Aluminium
		RJ 45 STP - 1 outlet - without claws
10	7 741 44	Ivory
10	7 742 44	White
10	7 702 44	Brilliant Aluminium
		RJ 45 STP - 2 outlets - without claws
10	7 741 45	Ivory
10	7 742 45	White
10	7 702 45	Brilliant Aluminium
		Data sockets Cat. 5e
		RJ 45 UTP - 1 outlet
10	7 741 30	Ivory
10	7 741 38	Ivory - without claws
10	7 742 30	White
10	7 742 38	White - without claws
10	7 702 30	Brilliant Aluminium
10	7 702 38	Brilliant Aluminium - without claws
		RJ 45 UTP - 2 outlets
10	7 741 31	Ivory
10	7 741 39	Ivory - without claws
10	7 742 31	White
10	7 742 39	White - without claws
10	7 702 31	Brilliant Aluminium
10	7 702 39	Brilliant Aluminium - without claws

Valena™

telephone sockets



7 744 38 + 7 744 51



7 702 80 + 7 703 31

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465) - Screw or claw mounting

Pack	Cat.Nos	Telephone sockets
		Sockets equipped with quick-fit 1/4 turn self-stripping connectors linkage
		RJ 11 - 4 contacts - 1 outlet
10	7 743 38	Ivory
10	7 744 38	White
10	7 701 38	Brilliant Aluminium
		RJ 11 - 4 contacts - 2 outlets
10	7 743 39	Ivory
10	7 744 39	White
10	7 701 39	Brilliant Aluminium
		RJ 45 - ISDN / Internet - 8 contacts
		1 output
1	7 743 41	Ivory
1	7 744 41	White
1	7 701 41	Brilliant Aluminium
		Twin socket RJ 45 Cat 6 UTP + RJ 11
		Without claws
10	7 741 80	Ivory
10	7 700 80	White
10	7 702 80	Brilliant Aluminium

Valena™

audio/video sockets



7 743 24 + 7 743 51



7 702 82 + 7 703 51

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465) - Screw or claw mounting

Pack	Cat.Nos	Loudspeaker sockets
		Equipped with DIN 41 529 standard connectors For 0.75 to 5 mm² cables Screw terminals
		Single loudspeaker socket
10	7 741 23	Ivory
10	7 742 23	White
10	7 702 23	Brilliant Aluminium
		Double loudspeaker socket
10	7 743 24	Ivory
10	7 744 24	White
10	7 701 24	Brilliant Aluminium

Pack	Cat.Nos	Audio and video sockets
		Audio/video socket HDMI HDMI audio/video type A socket Used to transmit High-definition digital audio/video streams between a source (HD-DVD or Blu-Ray drive, games console, computer, etc) and a compatible receiver (TV, video projector)
1	7 741 85	Ivory
1	7 700 85	White
1	7 702 85	Brilliant Aluminium
		Video socket HD 15 For the VGA, XGA or VESA connection of a PC monitor, TV, video projector
1	7 741 83	Ivory
1	7 700 83	White
1	7 702 83	Brilliant Aluminium
		Triple RCA socket For the composite video and stereo audio connection of any amplifier, DVD drive, VCR type peripheral
1	7 741 84	Ivory
1	7 700 84	White
1	7 702 84	Brilliant Aluminium

Pack	Cat.Nos	HD 15 + 3.5 mm Jack sockets
1	7 741 82	Ivory
1	7 700 82	White
1	7 702 82	Brilliant Aluminium

Valena™

equipment for audio/video sockets



0 517 20



0 517 22



0 779 30

Pack	Cat.Nos	Equipment cords
		For connecting a socket to a terminal
1	0 517 20	**HDMI 1.4 cord** Length 10 m For connecting an HDMI socket to the audio/video terminal (plasma screen, DVD drive, Home Cinema, games console, etc) For use at more than 10 m, use the HDMI Booster Cat.No 0 779 30
1	0 517 22	**HD 15 + 3.5 mm Jack cord** Length 2 m For connecting an HD 15 video socket and a 3.5 mm audio jack to a terminal (PC, video projector)
1	0 779 30	**HDMI booster** Used to extend an HDMI connection Consists of 2 female connectors and used as an addition to the HDMI cord (for example cord Cat.No 0 517 20) Does not need an external power supply

Pack	Cat.Nos	Cables
		For connecting 2 sockets
1	0 327 80	**HDMI cable** Length 20 m For connecting HDMI sockets at a distance of up to 10 m
1	0 327 81	**VGA cable** Length 20 m For connecting full pin HD 15 sockets at a distance of up to 20 m

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socket outlets


7 743 16 + 7 743 51


7 744 21 + 7 744 51


7 743 27 + 7 701 51


7 702 11 + 7 703 71

Mechanisms supplied with cover plates, to be equipped with plates (p. 498-499)
Screw or claw mounting
IP 2 protection index
Terminals: 2.5 mm²

Pack	Cat.Nos	2P socket outlets 10/16 A - 250 V~
		Screw terminals
10	7 743 16	Ivory
10	7 744 16	White
10	7 701 16	Brilliant Aluminium
		German standard socket outlets 10/16 A - 250 V~
		2P+E - automatic terminals with shutters
10	7 741 22	Ivory
10	7 742 22	White
10	7 702 11	Brilliant Aluminium
		2P+E - screw terminals
10	7 743 20	Ivory
10	7 744 20	White
10	7 701 20	Brilliant Aluminium
		2P+E with shutters for child protection - screw terminals
10	7 743 21	Ivory
10	7 744 21	White
10	7 701 21	Brilliant Aluminium
		2P+E with flap - screw terminals
10	7 743 22	Ivory
10	7 744 22	White
10	7 701 22	Brilliant Aluminium
		2P+E with mechanical ejecting system for plug - screw terminals
5	7 743 95	Ivory
5	7 743 94	White
5	7 701 94	Brilliant Aluminium
		2P+E with coloured cover plate - screw terminals
10	7 743 27	Red with tamperproof
10	7 743 72	Green
10	7 743 73	Orange
		2P+E supplied complete With cover plate and plate
10	7 743 23	Ivory - screw terminals
10	7 741 19	Ivory - automatic terminals
10	7 744 23	White - screw terminals
10	7 742 19	White - automatic terminals
10	7 701 23	Brilliant Aluminium - screw terminals
10	7 702 19	Brilliant Aluminium - automatic terminals

Pack	Cat.Nos	German standard socket outlets 16 A - 250 V~ - IP 44
		2P+E with flap and shutters for child protection - screw terminals
10	7 741 20	Ivory
10	7 742 20	White
		2P+E key protected with flap - screw terminals
1	7 742 60	White Delivered with accessory Cat.No 7 759 99
		French standard socket outlets 10/16 A - 250 V~
		2P+E - screw terminals
10	7 743 98	Ivory
10	7 743 96	White
10	7 701 96	Brilliant Aluminium
		2P+E with shutters for child protection - screw terminals
10	7 743 99	Ivory
10	7 743 97	White
10	7 701 97	Brilliant Aluminium
		2P+E with red cover plate - screw terminals
10	7 700 90	Red with tamperproof
		French standard socket outlets 16 A - 250 V~ - IP 44
		2P+E with flap and shutters for child protection - screw terminals
10	7 741 21	Ivory
10	7 742 21	White



7 704 70 + 7 744 51



0 803 99

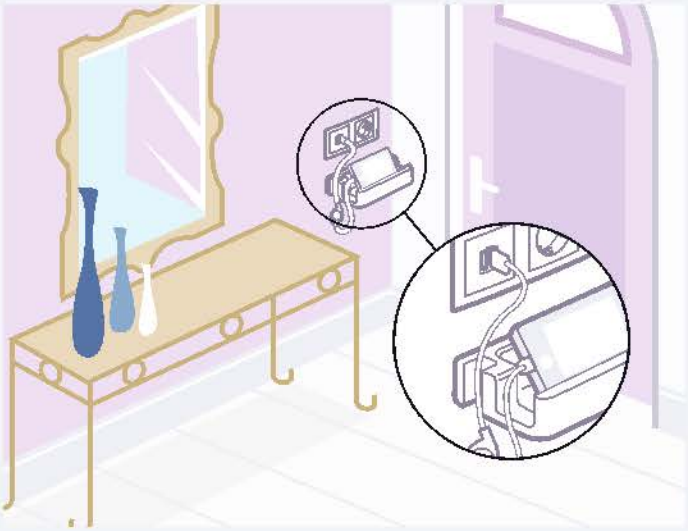
Pack	Cat.Nos	USB chargers, 2 USB 1500 mA
		Conforms to standard IEC 62684-2011-01 For charging mobile phones, tablet PCs, smartphones, MP3 and MP4 players quickly Frees up a socket recess Consumption in passive mode < 0.1 W CLASS II SELV Conforms to the EEC directive on harmonisation of the charging standard for portable terminals and the reduction of mobile phone chargers For installation in flush-mounting box depth 40 mm minimum Tap-off connection possible on 2P+E socket Supplied cordless
1	7 704 70	White
1	7 741 70	Ivory
1	7 702 70	Brilliant Aluminium
10	0 803 99	**Support for smartphone** Supplied with 60 cm USB/micro USB retractable cord For charging and synchronisation with PC Resistance > 7500 operations Fixing using screws or adhesive on all surfaces Has a non-slip coating to prevent phones falling off The phone's screen can be seen while charging

Average chargetime for a smartphone with a 1500 mA charger

Brand	Smartphone	Average chargetime 80 %	Average chargetime 100 %
RIM	Blackberry Torch 9810	01h01	01h23
Apple	iPhone 3GS	01h04	02h07
Apple	iPhone 4S	01h14	01h56
Apple	iPhone 5	01h14	02h20
Motorola	Defy - MB525 - Jordan	01h13	01h47
Nokia	Lumia 800 - Sea Ray	01h39	02h33
Samsung	Galaxy S III - 19300	01h47	02h43
Samsung	Galaxy S IV	02h00	02h59
Sony	XPERIA S - LT26i - Arc HD Nozomi	01h20	02h05
		average < 1h15	average < 2h

Valena™
USB chargers

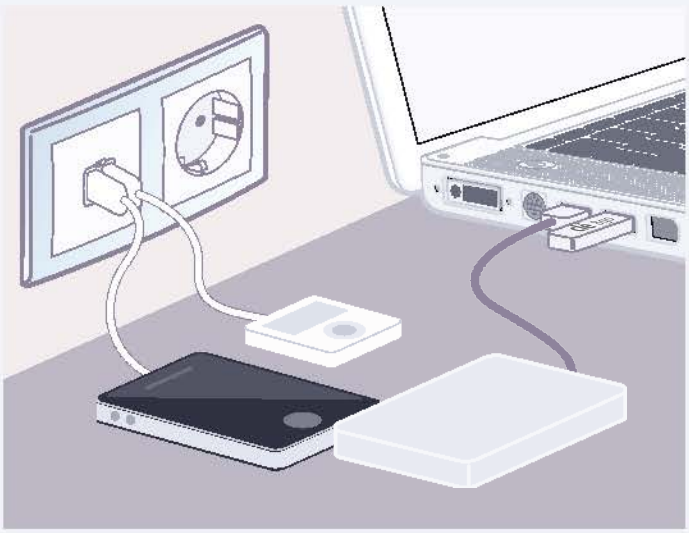
Application examples



Installed in the hall, the USB charger provides quick, easy to find, always available charging as soon as you get home (no more lost chargers cluttering up the house)



Installed beside the bed, the USB charger powers the mobile during the night without using a 2P+E socket



Installed near the PC, the USB charger frees up the USB ports on my terminal and avoids me having to start it up

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complete sockets outlets



7 743 71



2 x 7 742 02 + 7 742 07

Mechanisms supplied with cover plates
Screw or claw mounting

Pack	Cat.Nos	German standard double socket outlets 16 A - 250 V~
		Flush-mounting in 1 gang Ø60 mm boxes Supplied complete with cover plate and plate
		2 x 2P+E - screw terminals
5	7 743 70	Ivory
5	7 744 00	White
5	7 701 00	Brilliant Aluminium
		2 x 2P+E with shutters for child protection
5	7 743 71	Ivory - screw terminals
5	7 744 27	White - screw terminals
5	7 742 48	White - automatic terminals
5	7 701 27	Brilliant Aluminium - screw terminals

Pack	Cat.Nos	French standard double socket outlets 16 A - 250 V~
		Flush-mounting in 1 gang Ø60 mm boxes Supplied complete with cover plate and plate
		2 x 2P+E - screw terminals
5	7 743 92	Ivory
5	7 743 90	White
5	7 702 90	Brilliant Aluminium
		2 x 2P+E with shutters for child protection
5	7 743 93	Ivory
5	7 743 91	White
5	7 701 91	Brilliant Aluminium

Pack	Cat.Nos	Nordic countries socket outlets 16 A - 250 V~
		2 x 2P+E with shutters for child protection - automatic terminals
5	7 742 02	White
		Special plate
5	7 742 07	2 gang
		Special adaptor
10	7 742 10	For single sockets, RJ 45 sockets and TV-R-SAT sockets

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accessories



7 743 47 + 7 743 51



7 744 50

Pack	Cat.Nos	Cable outlets
10	7 743 47	Ivory
10	7 744 47	White
10	7 701 47	Brilliant Aluminium

Pack	Cat.Nos	Blanking plates
10	7 743 46	Ivory
10	7 744 46	White
10	7 701 46	Brilliant Aluminium

Pack	Cat.Nos	Universal plates 46.5 mm
10	7 743 80	Ivory
10	7 744 80	White
10	7 701 80	Brilliant Aluminium

Pack	Cat.Nos	Weatherproof plates - IP 44
		Compatible with any non IP 44 mechanisms, for 1 gang installation only IP 44 plate with flap
10	7 743 50	Ivory
10	7 744 50	White
10	7 701 50	Brilliant Aluminium

Pack	Cat.Nos	Accessory
		Key protection for German standard socket outlet
1	7 759 99	Accessory for key protection

Pack	Cat.Nos	Mounting accessories
		Surface-mounting box
10	7 761 31	Ivory
10	7 761 81	White
		Accessory for adapting cables and tubes
10	7 761 34	Ivory
10	7 761 84	White
		Combination accessory For multiple vertical assemblies of surface boxes
10	7 761 35	Ivory
10	7 761 85	White

Pack	Cat.Nos	Replacement lamps
10	7 758 97	0.5 mA - 230 V - Green
10	7 758 98	1 mA - 230 V - Orange
10	7 758 99	15 mA - 12 V~ - Green
10	7 758 90	1 mA – 230 V - Green

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sound diffusion



7 700 70 + 7700 69 + 7701 52

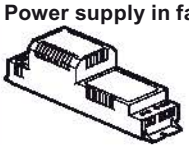


7 741 67 + 7 741 68 + 7 743 52



7 700 71 + 7 701 51

Mechanisms supplied with cover plates, to be equipped with plates (p. 463-465)
Screw or claw mounting

Pack	Cat.Nos	Single zone sound diffusion
		Tuner
1	7 700 69	 Power supply 15 V⎓ Manual or automatic selection of stations 10-station memory Integrated aerial (adjustable reception sensitivity) On/off control Volume control Equipped with an auxiliary input for connecting an MP3 player or Discman (3.5 mm Jack socket), cord not supplied Compatible with 4/8 or 16 Ω Stereo or mono output Grey cover plate
		Power supply for tuner with integrated loudspeaker
1	7 700 70	 Used together with tuner Cat.No 7 700 69, it can distribute radio or the music source Loudspeaker power 1 W - 16 Ω Grey cover plate
		Power supply in false ceiling for tuner
1	0 673 22	 Power supply 230 V∿ Output 15 V⎓ - 3.5 W For use in Plexo box Cat.No 0 920 52

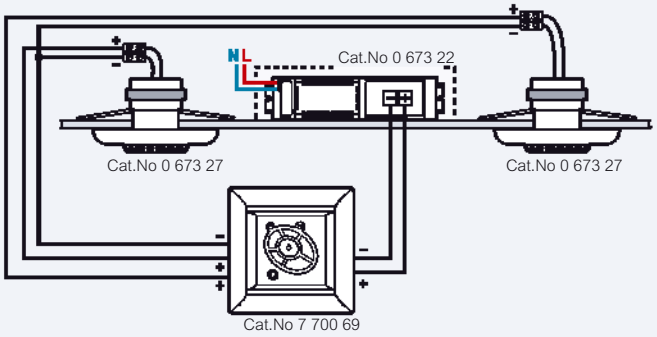
Pack	Cat.Nos	Multi-zone sound diffusion
		Source input with modular power supply
		Used to connect the main music source (Hi-Fi, computer, etc.) via Ø3.5 mm jack socket (cord not supplied) The source input powers local controls Cat.No 7 741 67 to distribute music in the rooms of a house (1 local control per room) Supplied with 15 V - 60 W modular power supply, size 4.5 DIN modules
1	7 741 66	 Ivory
1	7 700 66	White
1	7 702 66	Brilliant Aluminium
		Local control
		Equipped with an LCD screen, used to select the music source: main (Hi-Fi) or local (e.g.: MP3 player) via cord with Ø3.5 mm jack (not supplied) Stereo output 2 x 1.5 W Volume, balance, bass/treble and loudness controls Time display Integrated alarm clock function (by beep or music) General call function from all local controls with answer possible from the person called (microphone integrated in the product) Compatible with 4-8 or 16 Ω
1	7 741 67	 Ivory
1	7 700 67	White
1	7 702 67	Brilliant Aluminium

Pack	Cat.Nos	Multi-zone sound diffusion (continued)
		Tuner extension and intercom
		Used together with the local control and with no additional wiring, the extension can be used to distribute radio on one control unit Automatic or manual search Intercom function (call to one room or a set of rooms, call takes priority over music distribution) Baby monitoring function Simplified access to local control functions via dedicated switches
1	7 741 68	 Ivory
1	7 700 68	White
1	7 702 68	Brilliant Aluminium

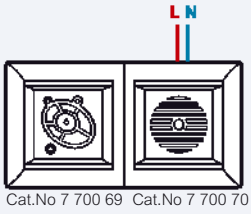
Pack	Cat.Nos	Loudspeakers
		Flush-mounting loudspeaker
		Max. power 2 W - 16 Ω - 2"
1	7 741 65	 Ivory
1	7 700 65	White
1	7 700 71	Grey
		False ceiling mounting spot loudspeaker
1	0 673 27	 White Depth 27 mm Ø hole: 65 mm Visible depth: 11 mm Power: 2 W - 16 Ω - 2" Equipped with clips for attachment Use a Ø65 mm crown saw to cut the hole
		False ceiling mounting invisible loudspeaker
1	0 673 30	 For multi-zone sound distribution Can be connected with the 15 V - 60 W power supply supplied with source input Max. power 8 W Depth: 98 mm Supplied with adhesive and gluing template
		Standard flush-mounting loudspeaker
1	0 673 29	 White Power: 100 W - 8 Ω - 6.5" Ø hole: 198 mm Depth: 85 mm

Diffusion of a music source in one room in a house (for example the kitchen, bathroom, etc.)

With spot loudspeakers Cat.No 0 673 27 and power supply Cat.No 7 700 69 (stereo)

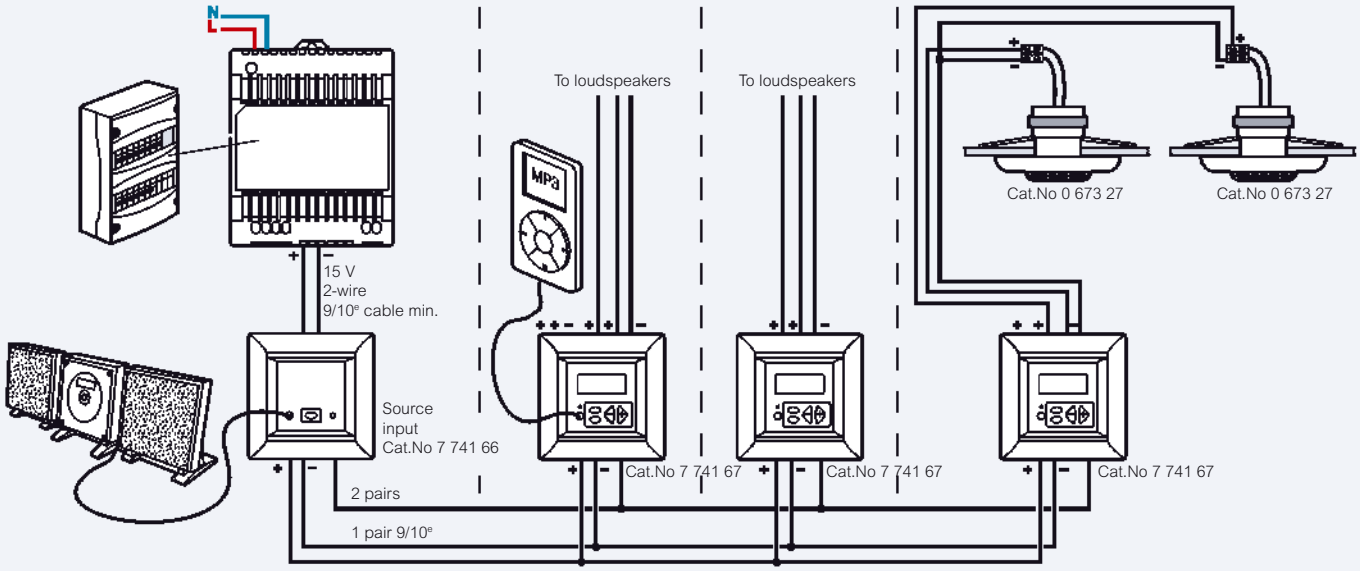


With power supply for tuner Cat.No 7 700 69 + integrated loudspeaker Cat.No 7 700 70 (mono)

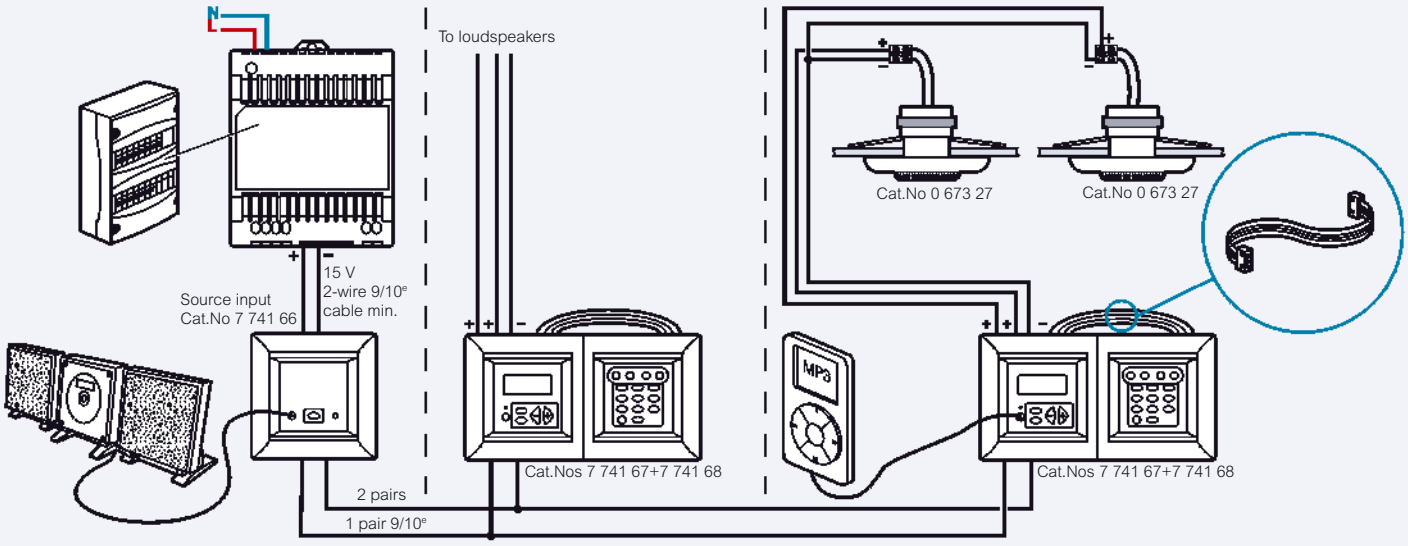


Diffusion of a music source in all the rooms in a house

Diffusion of the main source or independent auxiliary (MP3 player) via local control Cat.Nos 7 741 67/7 700 67/7 702 67



Diffusion of the main source, the auxiliary (MP3 player) or independent FM radio, via local control Cat.Nos 7 741 67/7 700 67/7 702 67 and tuner extension Cat.Nos 7 741 68/7 700 68/7 702 68



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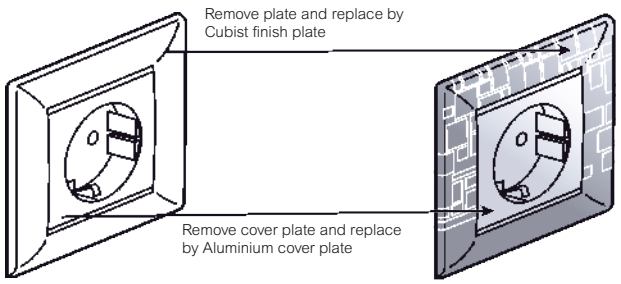
replacement of ivory or white cover plate by aluminium cover plate

UPGRADE YOUR CURRENT INSTALLATION



FUNCTIONS			ALUMINIUM COVER PLATES						
			For single control	For double control	For 2P+E German standard socket	For 2P+E German standard shuttered	For 2P+E French standard socket	For single R45 socket	For single TV socket
One-way switch 10 AX		7 744 01 7 743 01	7 702 51	-	-	-	-	-	-
Two-way switch 10 AX		7 744 06 7 743 06	7 702 51	-	-	-	-	-	-
Intermediate switch 10 AX		7 744 07 7 743 07	7 702 51	-	-	-	-	-	-
Push-button 10 A		7 744 11 7 743 11	7 702 51	-	-	-	-	-	-
Two-way switch 16 AX		7 742 05 7 741 05	7 702 51	-	-	-	-	-	-
2-gang one-way switch 10 AX		7 744 05 7 743 05	-	7 702 52	-	-	-	-	-
2-gang two-way switch 10 AX		7 744 08 7 743 08	-	7 702 52	-	-	-	-	-
Double changeover push-button 10 A		7 742 18 7 741 18	-	7 702 52	-	-	-	-	-
2P+E 16 A German standard Screw terminals		7 744 20 7 743 20	-	-	7 702 53	7 702 57	-	-	-
2P+E 16 A German standard Screw terminals with shutters		7 744 21 7 743 21	-	-	-	7 702 57	-	-	-
2P+E 16 A French standard Screw terminals		7 743 96 7 743 98	-	-	-	-	7 702 54	-	-
RJ 45 UTP Cat. 5e		7 742 30 7 741 30 7 742 38 7 741 38	-	-	-	-	-	7 702 55	-
RJ 45 UTP Cat. 6		7 742 46 7 741 46 7 742 42 7 741 42	-	-	-	-	-	7 702 55	-
TV star socket - Att ≤ 1,5 dB		7 744 29 7 743 29	-	-	-	-	-	-	7 702 56
TV terminal socket - Att ≤ 10 dB		7 744 30 7 743 30	-	-	-	-	-	-	7 702 56
TV throughwiring - Att ≤ 14 dB		7 744 31 7 743 31	-	-	-	-	-	-	7 702 56

VALENA™

the plugged into real life

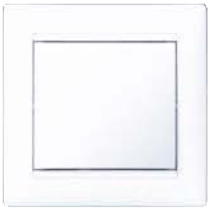
MADE IN CREATIVITY, DESIGN AND FREEDOM

NEW TRENDY ENVIRONMENTS
- WHITE
- IVORY
- ALUMINIUM

White


Pied de Poule


Light Pearl


White


White / Silver


White / Crystal

Ivory


Baroque Matt Gold


Matt Gold


Tanned Wood


Ivory


Ivory/Gold

Aluminium


Cubist Alu


Brushed Alu/Silver

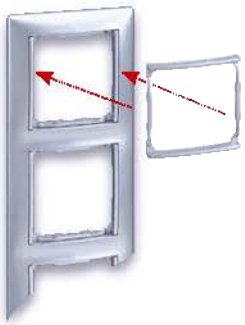

Alu


Alu/Silver


Black/Silver


Dark Wood / Silver

Necessary to reposition the trims in 4 and 5 gang installations



If you need to install the plates horizontally it's necessary to remove the trims and reposition them

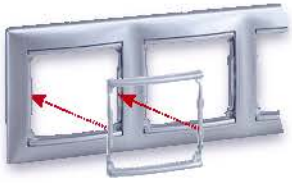


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plate selection charts

PLATES	Horizontal			Vertical		Horizontal and vertical[1]	
	1 gang	2 gang	3 gang	2 gang	3 gang	4 gang	5 gang
Ivory	7 743 51	7 743 52	7 743 53	7 743 56	7 743 57	7 743 54	7 743 55
Ivory Gold	7 741 51	7 741 52	7 741 53	7 741 56	7 741 57	7 741 54	7 741 55
Matt Gold N	7 703 01	7 703 02	7 703 03	7 703 06	7 703 07	7 703 04	7 703 05
Tanned Wood N	7 703 11	7 703 12	7 703 13	7 703 16	7 703 17	7 703 14	7 703 15
Baroque Matt Gold N	7 700 20	-	-	-	-	-	-
White	7 744 51	7 744 52	7 744 53	7 744 56	7 744 57	7 744 54	7 744 55
White / Crystal	7 744 61	7 744 62	7 744 63	7 744 66	7 744 67	7 744 64	7 744 65
White / Silver	7 704 91	7 704 92	7 704 93	7 704 96	7 704 97	7 704 94	7 704 95
Light Pearl N	7 704 71	7 704 72	7 704 73	7 704 76	7 704 77	7 704 74	7 704 75
"Pied de Poule" N	7 704 20	-	-	-	-	-	-
Aluminium	7 701 51	7 701 52	7 701 53	7 701 56	7 701 57	7 701 54	7 701 55
Aluminium Silver	7 703 51	7 703 52	7 703 53	7 703 56	7 703 57	7 703 54	7 703 55
Dark Wood Silver	7 703 71	7 703 72	7 703 73	7 703 76	7 703 77	7 703 74	7 703 75
Black Silver	7 703 91	7 703 92	7 703 93	7 703 96	7 703 97	7 703 94	7 703 95
Brushed Alu N	7 703 31	7 703 32	7 703 33	7 703 36	7 703 37	7 703 34	7 703 35
Cubist Alu N	7 703 41	7 703 42	7 703 43	7 703 46	7 703 47	7 703 44	7 703 45

1: Can be transformed in vertical or horizontal plate by rotation of internal trim (see opposite)


7 758 06 Aluminium finish


7 758 20 Aluminium finish


7 758 05 Aluminium finish


7 756 55 Pearl finish


7 756 57 Aluminium finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)

Switches 10 AX - 250 V~

Pack	Cat.Nos	
		1 gang - standard switches
10	7 758 01	One-way switch
10	7 758 06	Two-way switch
10	7 758 07	Intermediate switch
		1 gang - illuminated switches
		Equipped with a 0.5 mA green lamp Cat.No 7 758 97
10	7 756 00	Illuminated one-way switch
10	7 756 02	Illuminated two-way switch
1	7 758 27	Illuminated intermediate switch
		1 gang - indicator switches
		Equipped with a 1.0 mA orange lamp Cat.No 7 758 98
10	7 756 01	One-way indicator switch with neutral
10	7 758 20	Two-way indicator switch with neutral
		1 gang - 2-pole switches
10	7 758 02	2-pole switch
10	7 758 22	2-pole indicator switch with neutral Equipped with a 1.0 mA orange lamp Cat.No 7 758 98
		1 gang - 3-pole switch
10	7 758 03	3-pole switch 400 V
		2 gang - standard switches
10	7 758 05	2 gang one-way switch
10	7 758 08	2 gang two-way switch
		2 gang - illuminated switches
		Equipped with two 0.5 mA green lamps Cat.No 7 758 97
1	7 758 25	Illuminated 2-gang one-way switch in both circuits
10	7 756 08	Illuminated 2-gang two-way switch
		2 gang - indicator switches
		Equipped with a 1.0 mA orange lamp Cat.No 7 758 98
10	7 758 45	2 gang one-way indicator switch with neutral - 1 indicator lamp
10	7 758 69	2 gang one-way indicator switch 2 indicator lamps

Switches 16 A - 250 V~

Pack	Cat.Nos	
		1 gang - standard switches
10	7 756 04	One-way switch
10	7 756 06	Two-way switch
		1 gang - illuminated switch
		Equipped with a 0.5 mA green lamp Cat.No 7 758 97
10	7 756 09	Illuminated two-way switch
		1 gang - 2-pole switches
10	7 756 05	2-pole switch
10	7 756 81	2-pole indicator switch Equipped with a 1.0 mA orange lamp Cat.No 7 758 98

Automatic switches - 230 V~

		Without neutral - 300 W
		For installation in place of a 1-gang switch without additional wiring
1	7 756 55	40 to 300 W incandescent and 230 V~ halogen lamps Luminosity threshold: 3 to 1000 lux Temporization: 1 s to 6 min. Horizontal detection angle: 130°
		Without neutral - 400 W
		For installation in place of a 1-gang switch without additional wiring
1	7 756 56	With override 40 to 400 W incandescent and 230 V~ halogen lamps 40 to 400 VA ELV halogen lamps via ferromagnetic or electronic transformer Detection range between 3 and 10 m Luminosity threshold: 3 to 1000 lux Temporization: 1 s to 16 min Horizontal detection angle: 180°
		With neutral - 1000 W
1	7 756 57	With override 1000 W incandescent and 230 V~ halogen lamps 500 VA halogen lamps with electronic or ferromagnetic transformer 500 VA fluorescent tubes and compact lamps 100 VA fans Detection range: max. 10 m Adjustable detection sensitivity Luminosity threshold: 3 to 1000 lux Temporization: 1 s to 16 min. Horizontal detection angle: 180° Manual remote control possible with normally closed push-button

Galea™ Life

other lighting control units


7 758 19 Pearl finish


7 759 62 White finish


7 813 50 Aluminium finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 481-483**

Mechanisms with metal support, screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)

Pack	Cat.Nos	
		Pull-cord mechanisms - 250 V~
1	7 758 09	Claw or screw mounting Switch 6 AX
1	7 758 19	Changeover push-button 10 A
		Accessory for pull-cord mechanisms
10	0 898 05	Pull-cord accessory 1.5 m length
		Time switches
		With mechanical adjustment
		Screw mounting only
1	7 759 62	Time switch with mechanical adjustment from 0 to 15 minutes 10 A - 250 V~ For lighting, ventilation or heating
1	7 759 64	Time switch with mechanical adjustment from 0 to 120 minutes 10 A 250 V~ For heating and ventilation
		Programmable time switches
		Screw and claw mounting 3-wire - 1000 W Supplied with cover plate
1	7 810 50	White cover
1	7 812 50	Dark bronze cover
1	7 813 50	Aluminium cover
1	7 814 50	Titanium cover
1	7 815 50	Pearl cover
		Time delay switch
1	7 756 62	Screw and claw mounting 2-wire
		Latching relay
1	7 756 61	Screw and claw mounting 3-wire - 1000 W
		Lighting ventilation switch
10	7 757 50	Screw and claw mounting 3-wire - 2 x 400 W

Galea™ Life

roller blind controls


7 756 83 Aluminium finish


7 756 97 Aluminium finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 481-483**

Mechanisms with metal support, screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)

Pack	Cat.Nos	
		Roller blind control for somfy. motors
1	7 756 83	Individual radio roller blinds control Enables remote control of roller blinds compatible with somfy. RTS Radio transmission of up, down and stop orders to the RTS motor Range: 50 m in open field Operates with 1 lithium battery 3 V, CR 2032 type supplied For direct fixing on wall, without flush-mouting box
		Roller blind controls 230 V - 3 A - 50/60 Hz
		Control units
		Screw mounting For controlling electric roller blind (daily programme) by setting "up" and "down" switch handles with 15 min. intervals In "Off" position the programme is stopped
1	7 757 46	White cover
1	7 756 96	Dark Bronze cover
1	7 756 97	Aluminium cover
1	7 756 98	Titanium cover
1	7 756 99	Pearl cover
		Relay for roller blinds
1	7 757 49	Awning control in parallel with a control unit and/or an additional local control Permissible load: 2 x 750 VA Consumption: 1 W Max. pilot wire length: 50 metres Terminal capacity: 2.5 mm Dimensions: 49 x 46.4 x 25.8 mm Can be mounted in a Ø60 mm flush-mounting box

Galea™ Life

dimmers



7 756 54 Titanium finish



7 756 52 Dark Bronze finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)

Pack	Cat.Nos	Rotary control dimmers 230 V~ 50 Hz
1	7 756 54	**400 W dimmer** 40 to 400 W For incandescent and halogen lamps 230 V~ and ELV with ferromagnetic transformer
1	7 759 03	**420 W dimmer** 420 W for incandescent lamps and halogen lamps 230 V~ and ELV with electronic transformer
1	7 759 01	**1-10 V electronic potentiometer** For fluorescent lights with 1-10 V dimmable ballast
		Push-button dimmers With an on/off button and a separate +/- button for dimming
1	7 756 52	**400 W dimmer for all types of loads** 40 to 400 W incandescent and 230 V~ halogen lamps 40 to 400 VA ELV halogen lamps with ferromagnetic or electronic transformer Can be remotely controlled via non-illuminated push-button or two-way switch
1	7 756 53	**600 W dimmer** 40 to 600 W incandescent and 230 V~ halogen lamps 40 to 600 VA ELV halogen lamps with ferromagnetic transformer

Galea™ Life

push-buttons



7 758 11 Aluminium finish



7 758 13 Aluminium finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)

Pack	Cat.Nos	Push-buttons 10 A - 250 V~
		1 gang - standard push-buttons
10	7 758 11	Push-button
10	7 758 16	Changeover push-button
		1 gang - illuminated push-buttons
10	7 758 13	Illuminated push-button Equipped with a 1.0 mA green lamp Cat.No 7 758 90
10	7 758 46	Illuminated changeover push-button with neutral Equipped with a 1.0 mA green lamp Cat.No 7 758 90
10	7 758 17	Illuminated changeover push-button with potential free contact Equipped with a 1.0 mA orange lamp Cat.No 7 758 98 For use with buzzer Cat.Nos 7 757 09/10
10	7 758 44	Illuminated push-button round shape
		2 gang - standard push-buttons
1	7 758 18	2 gang changeover push-button
1	7 758 10	Changeover push-button + two-way switch

Galea™ Life

thermostats



7 756 86 Titanium finish



7 756 87 Pearl finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)

Pack	Cat.Nos	Thermostats 230 V~ - 50/60 Hz
		Thermostat with one potential free NC/NO contact 8 A cos φ = 1 resistive circuits 4 A cos φ = 0.6 inductive circuits Adjustment: 5 °C to 30 °C
1	7 758 15	White central cover
1	7 756 84	Dark Bronze central cover
1	7 756 85	Aluminium central cover
1	7 756 86	Titanium central cover
1	7 756 87	Pearl central cover
		Comfort thermostat with one NO/NC contact and LED 8 A cos φ = 1 resistive circuits 4 A cos φ = 0.6 inductive circuits Adjustment: 5 °C to 30 °C
1	7 758 67	White central cover
1	7 756 92	Dark Bronze central cover
1	7 756 93	Aluminium central cover
1	7 756 94	Titanium central cover
1	7 756 95	Pearl central cover
		Thermostat for electric floor heating With one potential free N/O contact and LED, 16 A - 230 V~ Adjustment: 10 °C to 60 °C
1	7 758 58	White central cover
1	7 756 88	Dark Bronze central cover
1	7 756 89	Aluminium central cover
1	7 756 90	Titanium central cover
1	7 756 91	Pearl central cover
1	7 758 68	**Electronic room thermostat** 230 V~ 50/60 Hz Adjustment 5 °C to 30 °C Adjustment accuracy +/- 0.5 °C With one potential free C/O contact LV breaking capacity: 8 A - 250 V resistive circuit 2 A - 250 V inductive circuit ELV breaking capacity From 1 mA min. to 500 VA max. 12 to 48 V/12 to 24 V

Galea™ Life

access control, buzzers and chimes



7 759 54 Aluminium finish



7 757 10 Titanium finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)

Pack	Cat.Nos	Keycard switches
		Claw or screw mounting Used to switch off all power in hotel rooms Switch on or off by inserting a card key fob or debit card, max. width 54 mm Card not supplied
10	7 759 54	**Mechanical keycard switch** Mechanism equipped with an illuminated two-way push-button with 1 x 10 A NC/NO contact Power supply 230 V Equipped with a 0.5 mA green lamp Cat.No 7 758 90
1	7 759 55	**Electronic keycard switch** Mechanism with 30 s time relay after key fob removal Power supply 230 V - 50/60 Hz
10	0 898 06	**Keycard** Keycard For use of keycard switch in hotels Supplied complete with a label holder for individual hotel identification
		Buzzers Screw mounting
		230 V - 50 Hz
1	7 757 11	Anthracite central cover plate
1	7 757 12	White central cover plate
		Electronic chimes Screw mounting
		8/12 V - 50/60 Hz For use with push-button Cat.No 7 758 17
1	7 757 10	Anthracite central cover plate
1	7 757 09	White central cover plate
		230 V~ - 50/60 Hz With 10 melodies (85 dB)
1	7 757 17	Anthracite central cover plate
1	7 757 18	White central cover plate

Galea™ Life

telephone sockets



7 759 38 Aluminium finish



7 759 39 Titanium finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)

Pack	Cat.Nos	Telephone sockets
10	7 759 38	**RJ 11 socket** 4 contacts with 1 connector Mechanism equipped with a 1/4 turn self-stripping connector
10	7 759 39	**Double RJ 11 socket** 4 contacts with 2 connectors Mechanism equipped with a 1/4 turn self-stripping connectors
10	7 759 37	**Special ISDN RJ 45 socket** 4 contacts with 2 connectors Mechanism equipped with a 1/4 turn self-stripping connectors
10	7 757 81	**Double RJ 45/RJ 11 VDI socket** Socket with 1 RJ 11 connector and 1 RJ 45 Cat. 6 UTP connector

Galea™ Life

data sockets



7 758 28 Pearl finish



7 757 68 Dark Bronze finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support
To be equipped with cover plates (p.475 to 481) and plates (p. 482)
VDI (voice, data, image) sockets
Fast connection sockets, no tool required
Contacts marked with 568 A and B dual colour code and numbered
Self-stripping terminals

Pack	Cat.Nos	Data sockets for UTP cables
10	Category 5e: 7 757 61 / Category 6: 7 758 28	RJ 45 socket with 1 connector Screw mounting
10	7 757 62 / 7 758 30	RJ 45 socket with 2 connectors Screw mounting
10	7 757 65 / 7 758 47	RJ 45 socket with 1 connector Claw mounting
10	7 757 66 / 7 758 23	RJ 45 socket with 2 connectors Claw mounting
		Data sockets for STP cables
10	Category 6 7 757 67	Screw mounting in flush-mounting box RJ 45 socket with 1 connector
10	7 757 68	RJ 45 socket with 2 connectors
		Data sockets for FTP cables
10	Category 6 7 757 98	Screw mounting in flush-mounting box RJ 45 socket with 1 connector
10	7 757 99	RJ 45 socket with 2 connectors
		Data accessories
10	7 758 85	Adaptor for AMP data socket

Galea™ Life

television sockets



7 759 65 Pearl finish



7 757 89 Aluminium finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)
For Hertzian and satellite installation (with individual demodulator)
DTT and HDTV compatible-shielded sockets
TV: male connector (Ø9.5 mm)
R: female connector (Ø9.5 mm)
SAT: "F" type connector
Recommanded coaxial cable: 17/19 VATC

Pack	Cat.Nos	TV-R-SAT sockets
		TV: 5-68/120 - 862 MHz R: 87-5-108 MHz SAT: 550-2400 MHz
10	7 757 89	Star - 1.5 dB
10	7 757 90	Terminal - 10 dB
10	7 757 91	Passthrough - 14 dB
		TV-R sockets
		TV: 5-68/120-862 MHz R: 87-5-108 MHz
10	7 757 86	Star - 1.5 dB
10	7 757 87	Terminal - 10 dB
10	7 757 88	Passthrough - 14 dB
		TV sockets
		TV: 0-2400 MHz
10	7 759 65	Star - 1.5 dB
10	7 759 66	Terminal - 10 dB
10	7 759 67	Passthrough - 14 dB
		TV sockets "F" type with screws
		SAT: 0-2400 MHz
10	7 756 80	Star - 1.5 dB

Galea™ Life

socket outlets



7 759 21 Pearl finish



7 759 30 White finish



7 758 48 White finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting
To be equipped with cover plates (p. 475 to 481) and plates (p. 482)

Pack	Cat.Nos	Socket outlets
		IP 2X protection
		2P socket
10	7 759 16	2P
		German standard - screw terminals
10	7 759 21	2P+E
10	7 759 30	2P+E tamperproof
		German standard - automatic terminals
10	7 759 20	2P+E
		British standard - screw terminals 13 A / 250 V
10	7 758 48	Switched with safety shutters
10	7 758 49	Unswitched
		Euro-US and US standards - screw terminals
10	7 758 36	2P - Euro/US 15 A / 127 V - 16 A / 250 V
10	7 758 37	2P+E - Euro/US 15 A / 127 V - 16 A / 250 V
10	7 758 38	2P+E - US 15 A / 127 V

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equipped socket outlets


7 713 24 Aluminium finish


7 710 44 White finish


7 710 45 White finish


7 715 39 Pearl finish


7 712 31 Dark Bronze finish

Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting

Socket outlets with cover plate with mechanical plug ejection

To be equipped with plates (p. 482)

German standard screw terminals

Pack	Cat.Nos	
10	7 770 24	2P+E White cover plate
5	7 712 24	2P+E Dark Bronze cover plate
5	7 713 24	2P+E Aluminium cover plate
5	7 714 24	2P+E Titanium cover plate
5	7 715 24	2P+E Pearl cover plate

Socket outlets with cover plate

IP 2X protection, automatic terminals
(except Cat.No 7 759 25)
To be equipped with plates (p. 482)

German standard

Pack	Cat.Nos	
10	7 710 62	2P+E White cover plate
10	7 712 62	2P+E Dark Bronze cover plate
10	7 713 62	2P+E Aluminium cover plate
10	7 714 62	2P+E Titanium cover plate
10	7 715 62	2P+E Pearl cover plate
1	7 759 25	2P+E White cover plate - screw terminals

German standard with safety shutters

Pack	Cat.Nos	
10	7 710 63	2P+E White cover plate
10	7 712 63	2P+E Dark Bronze cover plate
10	7 713 63	2P+E Aluminium cover plate
10	7 714 63	2P+E Titanium cover plate
10	7 715 63	2P+E Pearl cover plate

German standard with safety shutters and cover

Pack	Cat.Nos	
10	7 710 64	2P+E White cover plate
10	7 712 64	2P+E Dark Bronze cover plate
10	7 713 64	2P+E Aluminium cover plate
10	7 714 64	2P+E Titanium cover plate
10	7 715 64	2P+E Pearl cover plate

German standard - tamperproof

Pack	Cat.Nos	
10	7 710 29	2P+E red cover plate

Socket outlets with cover plate and lamp indicator

IP 2X protection, screw terminals
To be equipped with plates (p. 482)

German standard with safety shutters

Pack	Cat.Nos	
10	7 710 48	2P+E White cover plate
10	7 710 44	2P+E Green cover plate
10	7 710 45	2P+E Orange cover plate
10	7 710 46	2P+E Red cover plate

Socket outlets with cover plate and plate

IP 2X protection

German standard - screw terminals

Pack	Cat.Nos	
10	7 710 39	2P+E White cover plate and plate
10	7 712 39	2P+E Dark Bronze cover plate and plate
10	7 713 39	2P+E Aluminium cover plate and plate
10	7 714 39	2P+E Titanium cover plate and plate
10	7 715 39	2P+E Pearl cover plate and plate

German standard - automatic terminals

Pack	Cat.Nos	
10	7 710 40	2P+E White cover plate and frame
10	7 712 40	2P+E Dark Bronze cover plate and frame
10	7 713 40	2P+E Aluminium cover plate and frame
10	7 714 40	2P+E Titanium cover plate and frame
10	7 715 40	2P+E Pearl cover plate and frame

Twin socket outlets with cover plate and plate

IP 2X protection

German standard - screw terminals

Pack	Cat.Nos	
5	7 710 30	2 x 2P+E White cover plate and plate
5	7 712 30	2 x 2P+E Dark Bronze cover plate and plate
5	7 713 30	2 x 2P+E Aluminium cover plate and plate
5	7 714 30	2 x 2P+E Titanium cover plate and plate
5	7 715 30	2 x 2P+E Pearl cover plate and plate

German standard - screw terminals with safety shutters

Pack	Cat.Nos	
5	7 710 31	2 x 2P+E White cover plate and plate
5	7 712 31	2 x 2P+E Dark Bronze cover plate and plate
5	7 713 31	2 x 2P+E Aluminium cover plate and plate
5	7 714 31	2 x 2P+E Titanium cover plate and plate
5	7 715 31	2 x 2P+E Pearl cover plate and plate

German standard - automatic terminals with safety shutters

Pack	Cat.Nos	
5	7 710 33	2 x 2P+E White cover plate and plate
5	7 712 33	2 x 2P+E Dark Bronze cover plate and plate
5	7 713 33	2 x 2P+E Aluminium cover plate and plate
5	7 714 33	2 x 2P+E Titanium cover plate and plate
5	7 715 33	2 x 2P+E Pearl cover plate and plate

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cable outlets, blanking plates and pilot lights


7 759 85 Titanium finish


7 759 78 Dark Bronze finish

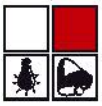

7 759 40 Aluminium finish


7 759 41 Titanium finish

Cover plate selection charts **p. 475-481**
Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting

Pack	Cat.Nos	Miscellaneous functions
		Cable outlet
10	7 759 85	 With 5 terminals to take 5 x 2.5 mm² cables With cable grip
10	7 759 86	 Without terminals
		Fuse carrier
10	7 759 78	 With Anthracite Grey cap
		Blanking plates
		Without cable grip Supplied with cover plate
10	7 770 78	 White cover plate
1	7 712 78	Dark Bronze cover plate
1	7 713 78	Aluminium cover plate
1	7 714 78	Titanium cover plate
1	7 715 78	Pearl cover plate
		Pilot lights
		E 10 - 3 W lamp
10	7 759 40	 Red diffuser
		E 10 - 5 W lamp
1	7 759 43	 Transparent diffuser
		Information light
1	7 759 44	 E 10 - 3 W lamp with transparent diffuser
		Self-contained pilot light unit 230 V~ - 50 Hz
1	7 759 41	 Plug-in self-contained unit Working reserve 1 h With a 2.2 V E 10 - 0.25 A lamp Lights automatically in the event of a power cut With status indicator With two KR 18/29 1.2 V - 0.5 A Ni-Cd batteries

Pack	Cat.Nos	Accessories for pilot lights
		Covers
10	7 759 45	 Transparent cover
10	7 759 46	 Green cover
10	7 759 47	 Orange cover
10	7 759 48	 Red cover
		Replacement lamp
1	7 759 42	 Replacement lamp for Cat.No 7 759 41
		Information accessories
10	7 758 00	**Set of replacement labels with symbols** For fitting in rocker plate with indicators Cat.Nos 7 770 11, 7 712 11, 7 713 11, 7 714 11, 7 715 11 Comprises 4 discs:  Disk 1 - audible signal, lamp, red symbol and transparent symbol  Disk 2 - key, fan, socket and cellar  Disk 3 - up staircase and down staircase, entrance/garden  Disk 4 - TV, computer, Hi-fi and heating

Galea™ Life

IP 44 functions



7 758 52 White finish



7 759 24 White finish

Plate selection charts **p. 482-483**

Mechanisms with metal support, claw or screw mounting and supplied with white cover plate
For installation in Ø60 mm boxes flush-mounting boxes with IP 44 protection

Pack	Cat.Nos	Switches	
10	7 758 52		One-way switch
10	7 710 20		Two-way switch
10	7 710 24		Intermediate switch
10	7 710 21		2-gang one-way switch
10	7 710 22		2-gang two-way switch
		Push-button	
10	7 710 23		Latching push-button
		Socket outlets	
		German standard	
10	7 759 24		2P+E - screw terminals
10	7 710 27		2P+E - automatic terminals
1	7 710 28		2P+E - key protected socket outlet with flap
		French standard	
10	7 759 29		2P+E - screw terminals
		Accessories	
		Key protection for German standard socket outlet	
1	7 759 99		Accessory for key protection
		Kit for IP 44 protection	
		Composition - protection seal - white cover plate	
10	7 711 50		For illuminated functions
10	7 711 51		For pictogram use
10	7 711 52		For double functions
10	7 711 53		For roller blinds double functions
10	7 711 54		For label holder use
1	7 710 26		For movement detector

Galea™ Life

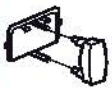
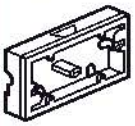
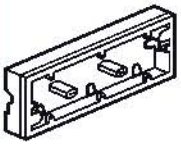
accessories



7 710 96



7 710 97

Pack	Cat.Nos	Miscellaneous accessories	
		Lamps	
		For illuminating standard mechanisms	
10	7 758 93		230 V - 1 mA lamp + cassette - neon
10	7 758 94		230 V - 0.5 mA lamp + cassette - green
10	7 758 95		230 V - 1.0 mA lamp + cassette - orange
10	7 758 96		8-12 V - 15 mA lamp + cassette - green
		Replacement lamps	
10	7 758 90		230 V - 1 mA - green
10	7 758 97		230 V - 0.5 mA - green
10	7 758 98		230 V - 1 mA - orange
10	7 758 99		8-12 V - 15 mA - green
10	7 758 92		E10 - 230 V - 3 W lamp
10	0 898 40		E10 - 230 V - 5 W lamp
10	7 758 91		Replacement lamp for making illuminated functions Cat.Nos 7 759 03 and 7 759 01
		Other accessories	
10	7 759 49		Long claws
20	7 759 00		Site protective cover (painting protection)
50	7 759 92		VDI claws - for claw mounting RJ 45 STP mechanisms
		Surface-mounting boxes	
		Horizontal mounting	
10	7 710 96		1 gang
5	7 710 97		2 gang
1	7 710 98		3 gang
		Accessory for adapting cables and tubes	
10	7 761 84		○ White
		Combination accessory	
		For multiple vertical assemblies of surface boxes	
10	7 761 85		○ White

Galea™ Life

rocker or cover plate selection charts

Mechanisms			Rocker or cover plates				
			White	Dark Bronze	Soft Aluminium	Titanium	Pearl
LIGHTING CONTROL MECHANISMS							
One-way switch 10 A	7 758 01		7 770 10	7 712 10	7 713 10	7 714 10	7 715 10
Two-way switch 10 A	7 758 06						
Intermediate switch 10 A	7 758 07						
One-way switch 16 A	7 756 04						
Two-way switch 16 A	7 756 06						
Push-button 10 A	7 758 11						
Changeover push-button	7 758 16						
One-way switch 10 A	7 758 01	Single rocker lamp symbol 	7 770 44	7 712 44	7 713 44	7 714 44	7 715 44
Two-way switch 10 A	7 758 06						
Intermediate switch 10 A	7 758 07						
One-way switch 16 A	7 756 04	Bell symbol 	7 770 46	7 712 46	7 713 46	7 714 46	7 715 46
Two-way switch 16 A	7 756 06						
Push-button 10 A	7 758 11	Stair symbol 	7 770 48	7 712 48	7 713 48	7 714 48	7 715 48
Changeover push-button	7 758 16						
Pull cord switch 6 AX	7 758 09		7 770 19	7 712 19	7 713 19	7 714 19	7 715 19
Pull cord changeover push-button 10 A	7 758 19						
Illuminated push-button round shape	7 758 44						
Illuminated one-way switch 10 A	7 756 00		7 710 34	7 712 34	7 713 34	7 714 34	7 715 34
One-way indicator switch with neutral 10 A	7 756 01						
Illuminated two-way switch 10 A	7 756 02						
Two-way indicator switch with neutral 10 A	7 758 20						
Illuminated intermediate switch 10 A	7 758 27						
Illuminated two-way switch 16 A	7 756 09						
Illuminated push-button 10 A	7 758 13						
Illuminated changeover push-button with neutral 10 A	7 758 46						
Illuminated changeover push-button with potential free contact (for use with buzzer Cat.Nos 7 759 09/10) 10 A	7 758 17						

Mechanisms			Rocker or cover plates				
			White	Dark Bronze	Soft Aluminium	Titanium	Pearl
LIGHTING CONTROL MECHANISMS (continued)							
Illuminated one-way switch 10 A	7 756 00	Rocker for information symbol Cat.No 7 758 00	7 770 11	7 712 11	7 713 11	7 714 11	7 715 11
One-way indicator switch with neutral 10 A	7 756 01						
Illuminated two-way switch 10 A	7 756 02						
Two-way indicator switch with neutral 10 A	7 758 20						
Illuminated intermediate switch 10 A	7 758 27						
Illuminated two-way switch 16 A	7 756 09						
Illuminated push-button 10 A	7 758 13						
Illuminated changeover push-button with neutral 10 A	7 758 46						
Illuminated changeover push-button with potential free contact (for use with buzzer Cat.Nos 7 759 09/10) 10 A	7 758 17						
Illuminated one-way switch 10 A	7 756 00	Rocker plates for the partially sighted	Lamp symbol 7 710 10 (white)				
Indicator switch with neutral 10 A	7 756 01						
Illuminated two-way switch 10 A	7 756 02						
Two-way indicator switch with neutral 10 A	7 758 20						
Illuminated intermediate switch 10 A	7 758 27		Key symbol 7 710 11 (white)				
Illuminated two-way switch 16 A	7 756 09						
Illuminated push-button 10 A	7 758 13		Bell symbol 7 710 12 (white)				
Illuminated changeover push-button with neutral 10 A	7 758 46						
Illuminated changeover push-button with potential free contact (for use with buzzer Cat.Nos 7 759 09/10) 10 A	7 758 17						
Changeover push-button + two-way switch	7 758 10		7 770 12	7 712 12	7 713 12	7 714 12	7 715 12
2-gang one-way switch 10 AX	7 758 05						
2-gang two-way switch 10 AX	7 758 08						
2-gang changeover push-button 10	7 758 18						
Illuminated 2-gang one-way switch 10 AX	7 758 25		7 710 79	7 712 79	7 713 79	7 714 79	7 715 79
Illuminated 2-gang two-way switch 10 AX	7 756 08						
2-gang one-way indicator switch	7 758 69						
2-pole switch 10 AX	7 758 02		7 770 15	7 712 15	7 713 15	7 714 15	7 715 15
3-pole switch 10 AX	7 758 03						
2-pole switch 16 A	7 756 05		7 810 45	7 812 45	7 813 45	7 814 45	7 815 45

Galea™ Life

rocker or cover plate selection charts (continued)

Mechanisms			Rocker or cover plates				
			White	Dark Bronze	Soft Aluminium	Titanium	Pearl
LIGHTING CONTROL MECHANISMS (continued)							
2-pole indicator switch with neutral 10 AX	7 758 22		7 770 18	7 712 18	7 713 18	7 714 18	7 715 18
2-pole indicator switch 16 A	7 756 81						
2-gang one-way indicator switch with neutral 10 A - 1 circuit	7 758 45		-	7 712 45	7 713 45	7 714 45	7 715 45
Illuminated push-button with label holder	7 758 13		7 770 17	7 712 17	7 713 17	7 714 17	7 715 17
3-wire latching relay 1000 W	7 756 61		7 810 59	7 812 59	7 813 59	7 814 59	7 815 59
2-wire time relay switch	7 756 62						
3-wire lighting ventilation switch 2 x 400 W	7 757 50						
VENTILATION CONTROL AND TIME SWITCH DEVICES							
Time switch with mechanical adjustment from 0 to 15 minutes 16 A 250 V~	7 759 62		7 770 57	7 712 57	7 713 57	7 714 57	7 715 57
Time switch with mechanical adjustment from 0 to 120 minutes 16 A 250 V~	7 759 64						
Time switch 1000 W with neutral	Mechanism supplied with cover plate		7 810 50	7 812 50	7 813 50	7 814 50	7 815 50
DIMMERS AND AUTOMATIC SWITCHES							
Dimmer 400 W	7 756 54		7 710 68	7 712 68	7 713 68	7 714 68	7 715 68
Dimmer 420 W	7 759 03	 With indicator	7 770 60	7 712 60	7 713 60	7 714 60	7 715 60
Electronic potentiometer 1-10 V	7 759 01		7 711 66	7 711 67	7 711 68	7 711 69	7 711 70
Dimmer for all loads 400 W	7 756 52		7 710 86	7 712 86	7 713 86	7 714 86	7 715 86
Dimmer 600 W	7 756 53						
2-wire automatic switch 300 W	7 756 55		7 710 88	7 712 88	7 713 88	7 714 88	7 715 88
2-wire automatic switch 400 W with override	7 756 56		7 710 87	7 712 87	7 713 87	7 714 87	7 715 87
3-wire automatic switch 1000 W with override	7 756 57						

Mechanisms			Rocker or cover plates				
			White	Dark Bronze	Soft Aluminium	Titanium	Pearl
ACCESS CONTROL MECHANISMS							
Mechanical key fob switch	7 759 54		7 770 54	7 712 54	7 713 54	7 714 54	7 715 54
Electronic card-operated switch	7 759 55		7 710 74	7 712 74	7 713 74	7 714 74	7 715 74
CABLE OUTLET AND BLANKING PLATES, PILOT LIGHTS							
Cable outlet with 5 terminals	7 759 85		7 770 85	7 712 85	7 713 85	7 714 85	7 715 85
Cable outlet without terminals	7 759 86						
Blanking plate	Mechanism supplied with cover plate		7 770 78	7 712 78	7 713 78	7 714 78	7 715 78
Self-contained pilot light unit 230 V - 50 Hz	7 759 41		7 770 41	7 712 41	7 713 41	7 714 41	7 715 41
Pilot light with E 10 - 3 W lamp with a red diffuser	7 759 40		7 770 19	7 712 19	7 713 19	7 714 19	7 715 19
Pilot light with E 10 - 5 W lamp with a transparent diffuser	7 759 43						
Information light with E 10 - 3 W lamp with a transparent diffuser	7 759 44						
Fuse carrier with Anthracite Grey cap	7 759 78		-	7 712 77	7 713 77	7 714 77	7 715 77
ROLLER BLINDS CONTROLS							
Roller blind control for somfy motors	7 756 83		7 770 61	7 712 61	7 713 61	7 714 61	7 715 61
Roller blind control white cover	7 757 46		7 770 19	7 712 19	7 713 19	7 714 19	7 715 19
Roller blind control Dark Bronze cover	7 756 96						
Roller blind control Aluminium cover	7 756 97						
Roller blind control Titanium cover	7 756 98						
Roller blind control Pearl cover	7 756 99						

Galea™ Life

rocker or cover plate selection charts (continued)

Mechanisms					Rocker or cover plates				
					White	Dark Bronze	Soft Aluminium	Titanium	Pearl
THERMOSTATS									
Electronic room thermostat		7 758 68			7 770 53	7 712 53	7 713 53	7 714 53	7 715 53
Thermostat (supplied with central cover)	White	7 758 15			7 770 19	7 712 19	7 713 19	7 714 19	7 715 19
	Dark Bronze	7 756 84							
	Aluminium	7 756 85							
	Titanium	7 756 86							
	Pearl	7 756 87							
Comfort thermostat with LED (supplied with central cover)	White	7 758 67							
	Dark Bronze	7 756 92							
	Aluminium	7 756 93							
	Titanium	7 756 94							
	Pearl	7 756 95							
Thermostat for floor heating with LED (supplied with central cover)	White	7 758 58							
	Dark Bronze	7 756 88							
	Aluminium	7 756 89							
	Titanium	7 756 90							
	Pearl	7 756 91							
BUZZERS AND CHIMES									
Buzzer 230 V - 50 Hz with Anthracite central cover plate		7 757 11			7 770 19	7 712 19	7 713 19	7 714 19	7 715 19
Buzzer 230 V - 50 Hz with White central cover plate		7 757 12							
Electronic chime 8/12 V - 50/60 Hz with Anthracite central cover plate		7 757 10							
Electronic chime 8/12 V - 50/60 Hz with White central cover plate		7 757 09							
Electronic chime 230 V with Anthracite central cover plate		7 757 17							
Electronic chime 230 V with White central cover plate		7 757 18							
TELEPHONE SOCKETS, DATA SOCKETS									
RJ 11 socket		7 759 38			7 770 95	7 712 95	7 713 95	7 714 95	7 715 95

Mechanisms			Rocker or cover plates				
			White	Dark Bronze	Soft Aluminium	Titanium	Pearl
TELEPHONE SOCKETS, DATA SOCKETS (continued)							
Double RJ 11 socket	7 759 39		7 770 75	7 712 75	7 713 75	7 714 75	7 715 75
Special ISDN RJ 45 socket	7 759 37						
Double RJ 45/RJ 11 VDI socket	7 757 81						
RJ 45 socket UTP, cat. 5e, screw, 1 connector	7 757 61						
RJ 45 socket UTP, cat. 5e, screw, 2 connectors	7 757 62						
RJ 45 socket UTP, cat. 5e, claw, 1 connector	7 757 65						
RJ 45 socket UTP, cat. 5e, claw, 2 connectors	7 757 66						
RJ 45 socket UTP, cat. 6, screw, 1 connector	7 758 28						
RJ 45 socket UTP, cat. 6, screw, 2 connectors	7 758 30						
RJ 45 socket FTP, cat. 6, screw, 1 connector	7 757 98						
RJ 45 socket FTP, cat. 6, screw, 2 connectors	7 757 99						
RJ 45 socket UTP, cat. 6, claw, 1 connector	7 758 47						
RJ 45 socket UTP, cat. 6, claw, 2 connectors	7 758 23						
RJ 45 socket STP, cat. 6, screw, 1 connector	7 757 67		7 770 84	7 712 84	7 713 84	7 714 84	7 715 84
RJ 45 socket STP, cat. 6, screw, 2 connectors	7 757 68						
Adaptor for AMP data socket	7 758 85		7 770 76	7 712 76	7 713 76	7 714 76	7 715 76
TELEVISION SOCKETS							
Single TV socket 2400 MHz star architecture	7 759 65		7 770 66	7 712 66	7 713 66	7 714 66	7 715 66
Single TV socket 2400 MHz terminal	7 759 66						
Single TV socket 2400 MHz through-wiring	7 759 67						
Single TV socket "F" star architecture	7 756 80						
TV-R socket 862 MHz star architecture	7 757 86		7 710 72	7 712 72	7 713 72	7 714 72	7 715 72
TV-R socket 862 MHz terminal	7 757 87						
TV-R socket 862 MHz through-wiring	7 757 88						
TV-R SAT socket 2400 MHz star architecture	7 757 89		7 710 73	7 712 73	7 713 73	7 714 73	7 715 73
TV-R SAT socket 2400 MHz terminal	7 757 90						
TV-R SAT socket 2400 MHz through-wiring	7 757 91						

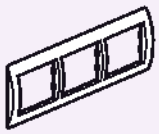
Galea™ Life

rocker or cover plate selection charts (continued)

Mechanisms			Rocker or cover plates				
			White	Dark Bronze	Soft Aluminium	Titanium	Pearl
SOCKET OUTLETS							
2P socket	7 759 16	Standard	7 770 26	7 712 26	7 713 26	7 714 26	7 715 26
		With safety shutters	7 770 25	7 812 25	7 813 25	7 814 25	7 815 25
2P+E, German standard, screw terminals	7 759 21		7 770 20	7 712 20	7 713 20	7 714 20	7 715 20
2P+E, German standard, automatic terminals	7 759 20						
2P+E, German standard, screw terminals	7 759 21	With shutters	7 770 21	7 712 21	7 713 21	7 714 21	7 715 21
2P+E, German standard, automatic terminals	7 759 20						
2P+E, German standard, screw terminals	7 759 21	With shutters and cover	7 770 22	7 712 22	7 713 22	7 714 22	7 715 22
2P+E, German standard, automatic terminals	7 759 20						
2P+E, German standard tamperproof, screw terminals	7 759 30		Red cover plate 7 770 29				
2P+E, German standard, screw terminals	7 759 21		Red 7 770 79		Green 7 770 34		Orange 7 770 42
2P+E, German standard, automatic terminals	7 759 20						
2P+E, German standard with mechanical plug ejection	Mechanism supplied with cover plate		7 770 24	7 712 24	7 713 24	7 714 24	7 715 24
2P+E, German standard with indicator lamp cover plate and safety shutters	Mechanism supplied with cover plate		7 710 48	Green 7 710 44	Orange 7 710 45	Red 7 710 46	Yellow 7 710 47
2P Euro US standard	7 758 36		7 770 19	7 712 19	7 713 19	7 714 19	7 715 19
2P+E Euro US standard	7 758 37						
2P+E US standard	7 758 38						
BS standard socket unswitched	7 758 49						
2P+E, BS standard switched socket with safety shutters	7 758 48		7 770 96	7 712 96	7 713 96	7 714 96	7 715 96

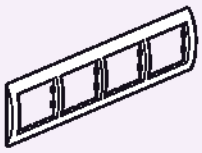
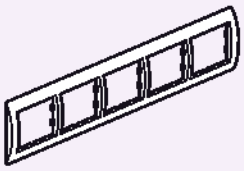
Galea™ Life

plate selection charts

Plates	 1 gang	 2 gang	 2 gang	 3 gang	 3 gang
White	7 710 01/ 7 710 13[1]	7 710 02/ 7 710 14[1]	7 710 06	7 710 03/ 7 710 15[1]	7 710 07
Dark Bronze	7 712 01	7 712 02	7 712 06	7 712 03	7 712 07
Soft Aluminium	7 713 01	7 713 02	7 713 06	7 713 03	7 713 07
Titanium	7 714 01	7 714 02	7 714 06	7 714 03	7 714 07
Pearl	7 715 01	7 715 02	7 715 06	7 715 03	7 715 07
Metal Magic Red	7 719 01	7 719 02	7 719 06	7 719 03	7 719 07
Metal Magic Blue	7 719 11	7 719 12	7 719 16	7 719 13	7 719 17
Metal Magic Green	7 719 21	7 719 22	7 719 26	7 719 23	7 719 27
Metal Chrome	7 719 31	7 719 32	7 719 36	7 719 33	7 719 37
Metal Black Nickel	7 719 41	7 719 42	7 719 46	7 719 43	7 719 47
Metal Brushed Aluminium	7 719 51	7 719 52	7 719 56	7 719 53	7 719 57
Maple	7 719 61	7 719 62	7 719 66	7 719 63	7 719 67
Cherry wood	7 719 71	7 719 72	7 719 76	7 719 73	7 719 77
Mahogany	7 719 81	7 719 82	7 719 86	7 719 83	7 719 87
Leather Havanna	7 719 90	7 719 91	7 719 93	7 719 92	7 719 94
Leather Club	7 719 95	7 719 96	7 719 98	7 719 97	7 719 99

Galea™ Life

plate selection charts (continued)

Plates	 4 gang	 4 gang	 5 gang	 5 gang
White	7 710 04	7 710 08	7 710 05	7 710 09
Dark Bronze	7 712 04	7 712 08	7 712 05	7 712 09
Soft Aluminium	7 713 04	7 713 08	7 713 05	7 713 09
Titanium	7 714 04	7 714 08	7 714 05	7 714 09
Pearl	7 715 04	7 715 08	7 715 05	7 715 09
Metal Magic Red	7 719 04	7 719 08	7 719 05	7 719 09
Metal Magic Blue	7 719 14	7 719 18	7 719 15	7 719 19
Metal Magic Green	7 719 24	7 719 28	7 719 25	7 719 29
Metal Chrome	7 719 34	7 719 38	7 719 35	7 719 39
Metal Black Nickel	7 719 44	7 719 48	7 719 45	7 719 49
Metal Brushed Aluminium	7 719 54	7 719 58	7 719 55	7 719 59
Maple	7 719 64	7 719 68	7 719 65	7 719 69
Cherry wood	7 719 74	7 719 78	7 719 75	7 719 79
Mahogany	7 719 84	7 719 88	7 719 85	7 719 89

Vela™

rocker plates and cover plates



6 870 67
All control units with diffusers



6 827 61



6 827 62

Pack	Cat.Nos	Rocker plates without marking
		For switches and push-buttons
		1 module
100	6 829 13	● Anthracite
100	6 870 59	○ Shiny White
		2 modules
5	6 827 60	● Anthracite
5	6 870 67	○ Shiny white
		3 modules
5	6 827 61	● Anthracite
5	6 870 68	○ Shiny white
		Rocker plates with marking
		For switches and push-buttons 1 module
		With "key" symbol
5	6 827 62	● Anthracite
5	6 870 63	○ Shiny white
		With "bell" symbol
5	6 827 63	● Anthracite
5	6 870 61	○ Shiny white
		With "lamp" symbol
5	6 827 64	● Anthracite
5	6 870 62	○ Shiny white
		With "ON-OFF" marking
5	6 830 18	● Anthracite
5	6 870 60	○ Shiny white
		Cover plate for Italian type socket outlets
		1 module
		For 10/16 A socket outlets
10	6 830 11	● Red - dedicated
		Blanking plates
		1 module
50	6 827 69	● Anthracite
50	6 870 50	○ Shiny white
		1/2 module
10	6 830 17	● Anthracite
10	6 870 58	○ Shiny white
		Cord outlets
		With Ø9 mm entry
10	6 827 70	● Anthracite
10	6 870 53	○ Shiny white
		Lamp
1	6 830 26	230 V - orange

Vela™

switches



6 827 40
All control units with diffusers



6 870 01

Support frame and plate selection charts **p. 490-491**

Mechanisms equipped with rocker plates, to be equipped with plates (p. 490-491)

Pack	Cat.Nos	Single pole switches 10 A - 250 V~
		1 module
		Single pole one-way switch Can be illuminated with lamp Cat.No 6 830 26
10	6 830 76	● Anthracite
10	6 870 01	○ Shiny White
		Single pole two-way switch Can be illuminated with lamp Cat.No 6 830 26
10	6 830 77	● Anthracite
10	6 870 03	○ Shiny white
		Single pole intermediate switch Can be illuminated with lamp Cat.No 6 830 26
10	6 830 78	● Anthracite
10	6 870 04	○ Shiny white
		Double pole switches 16 AX - 250 V~
		1 module
		Double pole one-way switch Can be illuminated with lamp Cat.No 6 830 26
10	6 827 40	● Anthracite
10	6 870 02	○ Shiny white

Vela™

push-buttons


6 827 45


6 870 18

Support frame and plate selection charts **p. 490-491**

Mechanisms equipped with rocker plates, to be equipped with plates (p. 490-491)

Pack	Cat.Nos	Push-buttons 10 A - 250 V~
		1 module
		1P - N/C contact
		Can be illuminated with lamp Cat.No 6 830 26 (p. 484)
1	6 827 34	● Anthracite
1	6 870 06	○ Shiny White
		1P - N/O contact
		Can be illuminated with lamp Cat.No 6 830 26 (p. 484)
10	6 830 79	● Anthracite
10	6 870 05	○ Shiny white
		2P - N/O contact
		Can be illuminated with lamp Cat.No 6 830 26 (p. 484)
1	6 830 00	● Anthracite
1	6 870 09	○ Shiny white
		1P illuminated with orange diffuser - N/O contact
1	6 830 01	● Anthracite
1	6 870 10	○ Shiny white
		1P illuminated with transparent diffuser - N/O contact
1	6 827 50	● Anthracite
1	6 870 11	○ Shiny white
		1P illuminated with red diffuser - N/O contact
1	6 827 48	● Anthracite
1	6 870 12	○ Shiny white
		1P illuminated with green diffuser - N/O contact
1	6 827 49	● Anthracite
1	6 870 14	○ Shiny white
		Double push-buttons 10 A - 250 V~
		1P + 1P N/O contact with interlock
1	6 827 45	● Anthracite
1	6 870 18	○ Shiny white
		1P + 1P N/O contact without interlock
1	6 827 54	● Anthracite
1	6 870 08	○ Shiny white
		Push-button with label-holder 10 A - 250 V~
		2 modules
1	6 831 54	1P - N/O contact

Vela™

dimmers, automatic switches


6 827 21


6 873 21


6 827 27


6 873 27

Support frame and plate selection charts **p. 490-491**

Mechanisms equipped with cover plates, to be equipped with plates (p. 490-491)

Pack	Cat.Nos	Dimmers 230 V~
		1 module
		60 - 500 W
		For incandescent and halogen lamps With integrated fuse With two-way switch incorporated
1	6 827 21	● Anthracite
1	6 873 21	○ Shiny White
		100 - 500 W
		For incandescent and halogen lamps
1	6 827 22	● Anthracite
1	6 873 22	○ Shiny white
		Push-button dimmers 230 V~
		2 modules
		60 - 500 W
		For incandescent and halogen lamps and ELV halogen lamps with ferromagnetic transformers With integrated fuse With incorporated two-way switch
1	6 827 23	● Anthracite
1	6 873 23	○ Shiny white
		Automatic IR switches 230 V~
		With passive infrared movement sensor Twilight circuit with variable threshold and possibility of continuous "on" Programmable circuit for delayed switch-off adjustable from 30 seconds to 10 minutes
		For resistive/inductive loads up to 2 A
		1 module
1	6 827 27	● Anthracite
1	6 873 27	○ Shiny white

Vela™

other lighting functions



6 870 15





6 827 46



Support frame and plate selection charts **p. 490-491**

Mechanisms equipped with cover plates, to be equipped with plates (p. 490-491)

Pack	Cat.Nos	**Selector switches**
		2 positions - 1-0-2
		Can be illuminated with lamp Cat.No 6 830 26 (p. 484)
		1 module
1	6 827 44	● Anthracite
1	6 870 15	○ Shiny white
		4-position speed controller
		For fans, fan-coils...
		2 modules
1	6 827 36	● Anthracite
1	6 870 17	○ Shiny white
		Pull-cord push-buttons 10 A - 250 V~
		1 module
		1P - N/O contact
1	6 827 46	● Anthracite
1	6 870 07	○ Shiny white

Vela™

socket outlets



6 830 07



6 827 77

Support frame and plate selection charts **p. 490-491**

Mechanisms equipped with cover plates, to be equipped with plates (p. 490-491)

Pack	Cat.Nos	**Italian type socket outlets 250 V~**
		1 module
		10 A
10	6 830 80	● Anthracite
10	6 870 13	○ Shiny white
		10/16 A
10	6 830 81	● Anthracite
10	6 870 80	○ Shiny white
		German standard socket outlets 250 V~
		2 modules
		2P+⏚ - 16 A
10	6 830 05	● Anthracite
10	6 870 41	○ Shiny white
10	6 830 07	● Red - dedicated
		Italian type/German standard socket outlets 250 V~
		2 modules
		2P+⏚ - 16 A - Type 30
10	6 827 74	● Anthracite
10	6 870 40	○ Shiny white
5	6 828 75	● Red - dedicated
		2P+⏚ - 10/16 A
10	6 827 77	● Anthracite
10	6 870 16	○ Shiny white
5	6 829 18	● Red - dedicated
		Euro/US standard socket outlets 250 V~
		2 modules
		2P - 10/16 A
10	6 829 31	● Anthracite
		Israeli standard socket outlets 250 V~
		2 modules
		2P+⏚ - 10/16 A
10	6 830 10	● Anthracite
10	6 870 69	○ Shiny white

Vela™

telephone, data sockets



6 827 87



6 870 82

Support frame and plate selection charts **p. 490-491**

Mechanisms equipped with cover plates, to be equipped with plates (p. 490-491)

Pack	Cat.Nos	Telephone sockets
		RJ 11 1 module
1	6 827 87	● Anthracite
1	6 870 25	○ Shiny white
		Tool-less RJ 45 data sockets
		Conform to standards: ISO 11801 ed. 2.0 EN 50 173 EIA/TIA 568 Fast connection sockets. No tool required Contacts marked with dual colour code T 568 A - T 568 B and numbers Possible re-wire in case of eventual error 1 module
		Cat. 5e - UTP
10	6 830 33	● Anthracite
10	6 870 82	○ Shiny white
		Cat. 6 - UTP
10	6 830 36	● Anthracite
10	6 870 85	○ Shiny white
		Cat. 6 - FTP
10	6 830 38	● Anthracite
10	6 870 87	○ Shiny white

Vela™

television sockets



6 827 83



6 870 36



6 827 81



6 870 30

Support frame and plate selection charts **p. 490-491**

Mechanisms equipped with cover plates, to be equipped with plates (p. 490-491)

Pack	Cat.Nos	TV-R-SAT sockets
		Single shielded coaxial socket for single user aerial TV systems, including remotely powered and centralised systems, single user and centralised satellite systems with current and signal transition for channel selection and radio systems Male TV connector terminal Ø9.5 mm Female SAT and radio connector Ø9.5 mm It is recommended to use the three sockets at the same time 2 modules
1	6 827 83	● Anthracite
1	6 870 34	○ Shiny White
		TV-SAT sockets
		Female coaxial connector type "F", 75 Ω
		Screw terminals 1 module
10	6 827 59	● Anthracite
10	6 870 36	○ Shiny white
		TV-SAT demixed sockets
		Shunted demixed TV-SAT jack in die-cast housing 1 module
1	6 830 13	● Anthracite
1	6 870 35	○ Shiny white
		TV sockets
		Coaxial sockets Shielded connector terminals with captive screws Ø9.5 mm - male connector 1 module
		Single shielded
		For single user aerial systems, including remotely powered and centralised systems with current and signal transition for channel selection
10	6 827 81	● Anthracite
10	6 870 30	○ Shiny White
		Single shielded with capacitor
		For single user aerial or centralised systems Shielded connector terminals with captive screws - for non remotely powered or centralised satellite systems
1	6 827 82	● Anthracite
1	6 870 33	○ Shiny white
		Throughwiring shielded
		For aerial systems, including remotely powered and centralised systems and centralised satellite systems with current and signal transition for channel selection
1	6 827 80	● Anthracite
1	6 870 31	○ Shiny white
		Terminal shielded
		For aerial systems, including remotely powered and centralised systems and centralised satellite systems with current and signal transition for channel selection With integrated 75 W impedance adaptor
1	6 827 79	● Anthracite
1	6 870 32	○ Shiny white

Vela™

audible and visual indication



6 870 45



6 827 26



6 827 98

Support frame and plate selection charts **p. 490-491**

Mechanisms equipped with cover plates, to be equipped with plates (p. 490-491)

Pack	Cat.Nos	
		Buzzers
		1 module
		12 V~ - 5 VA
		74 dB
1	6 829 00	● Anthracite
1	6 870 44	○ Shiny White
		230 V~ - 8 VA
		75 dB
1	6 829 01	● Anthracite
1	6 870 45	○ Shiny white
		Bells (bronze striker)
		80 dB - 1 module
		12 V~ - 5 VA
1	6 829 02	● Anthracite
1	6 870 42	○ Shiny white
		230 V~ - 8 VA
1	6 829 03	● Anthracite
1	6 870 43	○ Shiny white
		Emergency light units - 230 V~
		Emergency light unit
		With automatic switch-on
		With rechargeable base - high output white LED
		Interchangeable Ni-MH batteries without "memory" effect - 2-hour autonomy
		Low consumption in stand-by mode (0.4 W)
		2 modules
1	6 829 17	● Anthracite
1	6 873 17	○ Shiny white
		Guide lamp 230 V
		2 modules
1	6 827 26	With adjustable beam direction
		Indicator units
		Lamp not supplied - 1 module
		Single unit
		With interchangeable diffusers (green - red - orange transparent)
1	6 827 98	● Anthracite
1	6 870 46	○ Shiny white
		Shaver sockets
		With isolation transformer
		Input voltage 230 V~ - 50/60 Hz
		Output voltage 115/230 V~ - 20 VA
		With integrated support
		3 modules
1	6 830 12	● Anthracite
1	6 870 24	○ Shiny white

Vela™

MCBs and RCBOs



6 829 05



6 829 09

Support frame and plate selection charts **p. 490-491**

Mechanisms equipped with cover plates, to be equipped with plates (p. 490-491)

Pack	Cat.Nos	
		MCBs
		2 pole thermal-magnetic devices with one protected pole (C curve)
		Positive contact indication
		1 module
		6 A - 230 V~ - Breaking capacity: 1500 A
1	6 829 04	● Anthracite
1	6 870 51	○ Shiny White
		10 A - 230 V~ - Breaking capacity: 3000 A
1	6 829 05	● Anthracite
1	6 870 52	○ Shiny white
		16 A - 230 V~ - Breaking capacity: 3000 A
1	6 829 06	● Anthracite
1	6 870 54	○ Shiny white
		RCBOs
		Single pole and neutral
		10 mA
		Residual current circuit breaker with overcurrent protection C curve
		Positive contact indication
		Breaking capacity: 3000 A
		2 modules
		6 A - 230 V~
1	6 829 07	● Anthracite
1	6 870 55	○ Shiny white
		10 A - 230 V~
1	6 829 08	● Anthracite
1	6 870 56	○ Shiny white
		16 A - 230 V~
1	6 829 09	● Anthracite
1	6 870 57	○ Shiny white
		Fuse carriers
		For fuses 5 x 20 - 6.3 x 32 max.
		10 A - 250 V
		1 module
1	6 829 10	● Anthracite
1	6 870 48	○ Shiny white

Vela™

support frames, flush-mounting boxes and surface mounting boxes


0 728 43


0 801 41


0 892 39


6 806 33

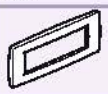
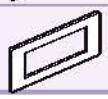
Support frame and plate selection charts **p. 490-491**

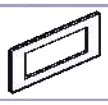
Pack	Cat.Nos	SPX support frames
		Screw-mounting
10	0 728 42	For 2 modules Can also be used as claw-mounting
100	0 728 43	For 3 modules
10	0 728 44	For 4 modules
10	0 728 46	For 6 modules
1	6 826 71	For 6 + 6 modules
		Flush-mounting boxes
		For 1 module
10	0 801 40	Depth 40 mm - Width 32 mm
		Square boxes for joining together
		For wiring accessories using screws or claws 1-gang boxes can be used to make up multi-gang boxes by joining Can be used horizontally or vertically 71 mm fixing centres Cutting out of internal partitions for mounting extended functions Supplied with screws fitted with protective shield Knockout cable entries, Ø16-20-255
100	0 801 41	Depth 40 mm
		Round for joining together back to back
		Upper flange can be cut to obtain a depth of 30 mm (for controls, 2-way switches, push-buttons, etc.) Boxes can be joined back to back by 1/4 of a turn Adjustable dimensions (80, 70 or 60 mm) by cutting the flange With screws
100	0 801 08	Depth 40 mm - Ø67 mm
		Multi-gang boxes
		For screw or claw mounting devices Supplied without screws Horizontal mounting Depth 50 mm
5	0 892 39	For 3 modules - 106 x 71 mm
5	0 892 49	For 4 modules - 130 x 71 mm
1	0 892 50	For 6 modules - 186 x 71 mm
1	6 826 70	For 6 + 6 modules

Pack	Cat.Nos	Plexo modular support frames IP 55 - IK 07
		Weatherproof IP 55 with membrane Allows operations of switches without opening cover maintaining IP 55 rating
		For 3-module Vela mechanisms
1	6 806 32	White
1	6 806 33	Grey
		For 4-module Vela mechanisms
1	6 806 34	White
1	6 806 35	Grey
		Weatherproof surface-mounting boxes IP 55
		To be equipped with Vela mechanisms (support frame not needed)
1	6 806 11	For 1 Vela module
1	6 806 12	For 2 Vela modules
1	6 806 13	For 3 Vela modules
1	6 806 14	For 4 Vela modules
1	6 806 19	For 8 Vela modules (2 ranges of 4 modules)
		Weatherproof surface-mounting boxes IP 40
		To be equipped with Vela mechanisms (support frame not needed)
1	6 806 01	For 1 Vela module
1	6 806 02	For 2 Vela modules
1	6 806 03	For 3 Vela modules
1	6 806 04	For 4 Vela modules
5	6 806 06	For 6 Vela modules - horizontal mounting
5	6 806 08	For 8 Vela modules - horizontal mounting
5	6 806 09	For 8 Vela modules - vertical mounting

Vela™

flush-mounting box, support frame and plate selection charts

Number of modules per mechanism	Flush-mounting boxes	Support frames	Plates	TONDA PLATES					
				Neutral		Hearts		Metallic	
				White	Anthracite	Malt	Brown	White	Steel
2 modules	0 801 41 0 801 08	0 728 42		6 856 00	6 858 14	6 857 75	6 856 15	6 858 26	6 858 18
3 modules	0 892 39	0 728 43		6 856 01	6 858 15	6 857 76	6 856 16	6 858 27	6 858 19
4 modules	0 892 49	0 728 44		6 856 02	6 858 16	6 857 77	6 856 17	6 858 28	6 858 20
6 modules	0 892 50	0 728 46		6 856 03	6 858 17	6 857 82	6 856 18	6 858 29	6 858 21
				QUADRA PLATES					
				Neutral				Reflex Intense Colour	
				Shiny White	Anthracite	Ivory	100% cocoa	Intense Red	Blue Colbalt
2 modules	0 801 41 0 801 08	0 728 42		6 856 40	6 826 01	6 857 99	6 858 04	6 856 50	6 856 55
3 modules	0 892 39	0 728 43		6 856 41	6 826 16	6 858 00	6 858 05	6 856 51	6 856 56
4 modules	0 892 49	0 728 44		6 856 42	6 826 31	6 858 01	6 858 06	6 856 52	6 856 57
6 modules	0 892 50	0 728 46		6 856 43	6 826 46	6 858 02	6 858 07	6 856 53	6 856 58

Number of modules per mechanism	Flush-mounting boxes	Support frames	Plates	BASIC PLATES
				White
1 module	0 801 08 0 801 41	0 728 42		6 805 30
2 modules				6 805 31
1 module centered	0 892 39	0 728 43		6 805 41
2 modules centered				6 805 42
3 modules				6 805 43
4 modules	0 892 49	0 728 44		6 805 44
6 modules	0 892 50	0 728 46		6 805 49

TONDA PLATES						
Technical Wood	Shiny		Satin finish		Striped Metal	
Teak	Chrome	Gold	Aluminium	Gold	Aluminium	Copper
6 856 20	6 858 30	6 858 34	6 856 35	6 856 30	6 858 38	6 858 46
6 856 21	6 858 31	6 858 35	6 856 36	6 856 31	6 858 39	6 858 47
6 856 22	6 858 32	6 858 36	6 856 37	6 856 32	6 858 40	6 858 48
6 856 23	6 858 33	6 858 37	6 856 38	6 856 33	6 858 41	6 858 49

QUADRA PLATES						
Technical Wood	Reflex Light Colour			Metallised		
Wenge	Bright White	Grey Water	Pink Peach	Silver	Copper	Pearl
6 856 65	6 857 15	6 857 20	6 856 95	6 857 45	6 857 70	6 857 55
6 856 66	6 857 16	6 857 21	6 856 96	6 857 46	6 857 71	6 857 56
6 856 67	6 857 17	6 857 22	6 856 97	6 857 47	6 857 72	6 857 57
6 856 68	6 857 18	6 857 23	6 856 98	6 857 48	6 857 73	6 857 58

Number of modules per mechanism	Flush-mounting boxes	Support frames	Plates	QUADRA - COMMERCIAL USE	
				Anthracite	White
1 module	0 801 40	not needed		6 826 76	6 870 73
2 modules	2 x 0 801 40	not needed		6 826 78	6 870 74
2 x 6 modules	6 826 70	6 826 71		6 826 73	6 870 72



BRITISH STANDARD WIRING ACCESSORIES

Belanko™

P. 494
Switches and push-buttons


P. 497
Socket outlets

Mallia™ complete white

P. 500
Switches and push-buttons

Mallia™ customisable colours


P. 507
Switches and push-buttons and other lighting functions

Synergy™


P. 516
Front plates for Arteor mechanisms


P. 534
Synergy Flat plate

NEW PRODUCTS 2014



Belanko™
RJ 11 + RJ 45 socket
(p. 496)



Belanko™
Double female TV socket
(p. 496)

P. 495
Dimmers and ventilation control


NEW
P. 496
Television, telephone and data sockets


P. 496
Hotel equipment

P. 497
Fused connection units


P. 498
Cable outlets and boxes


P. 498
Plates


P. 502
Dimmers, automatic switches, other lighting functions


P. 503
Telephone, data and television sockets


P. 504
Socket outlets

P. 506
Hotel equipment


P. 510
Telephone, data and televison sockets


P. 511
Socket outlets


P. 513
Hotel equipment


P. 514
Plates


P. 517
Synergy white


P. 522
Synergy Modern


P. 528
Synergy Traditional


P. 540
Synergy Metalclad


P. 542
Synergy Grid system for Grid modules


P. 544
Synergy Grid modules



Belanko™

Arteor adaptor

(p. 498)

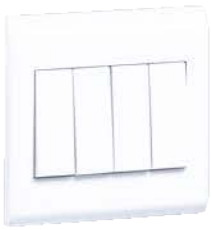
Belanko™

single pole switches and push-buttons


6 171 00


6 171 08


6 170 00


6 170 06


6 171 15

Colour: White T084
Material: Thermoplastic with glossy finish
Dimensions: 86 x 86 x 9.5 mm (1 gang) / 86 x 146 x 9.5 mm (2 gang)
Supplied with 2 screws M3.5 for BS boxes

Single pole switches 10 AX - 250 V~

Conform to BS EN 60669-1

Small rocker

Pack	Cat.Nos	
10	6 171 00	1 gang - 1-way switch
10	6 171 01	1 gang - 2-way switch
10	6 171 02	2 gang - 1-way switch
10	6 171 03	2 gang - 2-way switch
10	6 171 04	3 gang - 1-way switch
10	6 171 05	3 gang - 2-way switch
10	6 171 06	4 gang - 1-way switch
10	6 171 07	4 gang - 2-way switch
10	6 171 08	5 gang - 1-way switch
5	6 171 10	6 gang - 1-way switch
10	6 171 09	Intermediate switch

Large rocker

Pack	Cat.Nos	
10	6 170 00	1 gang - 1-way switch
10	6 170 01	1 gang - 2-way switch
10	6 170 02	2 gang - 1-way switch
10	6 170 03	2 gang - 2-way switch
10	6 170 04	3 gang - 1-way switch
10	6 170 05	3 gang - 2-way switch
10	6 170 06	4 gang - 1-way switch
10	6 170 07	4 gang - 2-way switch
10	6 170 09	Intermediate switch

Single pole switches 20 AX - 250 V~

Conform to BS EN 60669-1

Large rocker

Pack	Cat.Nos	
10	6 170 20	1 gang - 1-way
10	6 170 21	1 gang - 2-way
10	6 170 22	2 gang - 1-way
10	6 170 23	2 gang - 2-way

Architraves

Pack	Cat.Nos	
5	6 171 15	1 gang - 1-way
5	6 171 16	Bell push

Push-buttons 4 A - 250 V~

Conform to BS EN 60669-1

Small rocker

Pack	Cat.Nos	
10	6 171 11	Bell push

Large rocker

Pack	Cat.Nos	
10	6 170 11	Bell push

Belanko,
see the video

Belanko™

double pole switches and cooker control unit



6 170 72



6 170 76

Colour: White T084
Material: Thermoplastic with glossy finish
Dimensions: 86 x 86 x 9.5 mm (1 gang) / 86 x 146 x 9.5 mm (2 gang)
Supplied with 2 screws M3.5 for BS boxes

Pack	Cat.Nos	Double pole switches	
		20 A - 250 V~	
10	6 170 70	1 gang - 1-way switch + red neon indicator	
10	6 170 71	1 gang - 1-way switch + red neon indicator + earth connection	
10	6 170 72	1 gang - 1-way switch + red neon indicator + earth connection with "Water Heater" marking	
		32 A - 250 V~	
10	6 170 74	1 gang - 1-way switch + red neon indicator, white rocker	
		45 A - 250 V~	
10	6 170 75	1 gang - 1-way switch	
10	6 170 76	1 gang - 1-way switch + red neon indicator	
5	6 170 77	2 gang - 1-way vertical switch + red neon indicator	

Pack	Cat.Nos	Cooker control Unit - 250 V	
5	6 170 78	45 A DP switch + red neon and 13 BS switched socket outlet + red neon	

Belanko™

dimmers and ventilation control



6 170 31



6 170 33

Technical characteristics **e-catalogue**

Colour: White T084
Material: Thermoplastic with glossy finish
Dimensions: 86 x 86 x 9.5 mm (1 gang) / 86 x 146 x 9.5 mm (2 gang)
Supplied with 2 screws M3.5 for BS boxes

Pack	Cat.Nos	Dimmers	
1	6 170 30	**Rotary on/off dimmer - 50 Hz** 1 gang - 1-way 40-600 W (230 V) for incandescent and halogen lamps	
1	6 170 31	**Push on/off and rotary dimmer - 50/60 Hz** 1 gang - 2-way 60-1000 W (230 V) - 60-500 W (127 V) for incandescent and halogen lamps 60-600 VA (230 V) 60-300 VA (127 V) for halogen lamps with electronic transformer with leading edge behaviour 60-1000 VA (230 V) - 60-500 VA (127 V) for halogen lamps with ferromagnetic transformers	
1	6 170 32	**Push on/off and rotary dimmer - 50/60 Hz** 1 gang - 2-way 60-1500 W (230 V) - 60-750 W (127 V) for incandescent and halogen lamps 60-900 VA (230 V) - 60-450 VA (127 V) for halogen lamps with electronic transformer with leading edge behaviour 60-1500 VA (230 V) - 60-750 VA (127 V) for halogen lamps with ferromagnetic transformers Can be mounted on 1 gang or 2 gang boxes	

Pack	Cat.Nos	Ventilation control	
1	6 170 33	Conform to BS EN 60669-1 Fan control 250 V~ 50 Hz	

For technical characteristics,
see e-catalogue


6 171 21


6 170 97


6 170 92

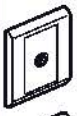
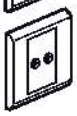

6 170 12


6 170 13

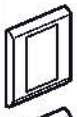
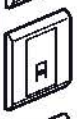
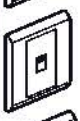
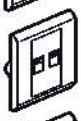
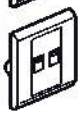

6 170 68

Colour: White T084
Material: Thermoplastic
Dimensions: 86 x 86 x 9.5 mm (1 gang) / 86 x 146 x 9.5 mm (2 gang)
Supplied with 2 screws M3.5 for BS boxes

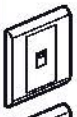
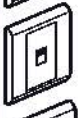
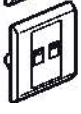
Television sockets

Pack	Cat.Nos		
10	6 171 21		Single TV socket, female
10	6 171 20		Single TV socket, "F" type
10	6 171 23		Double TV socket, female + "F" type
10	6 171 27 N		Double female TV socket

Telephone sockets

Pack	Cat.Nos		
10	6 170 99		Telephone connection block 10 connections
10 10	6 170 95 6 170 96		BT master BT secondary
10	6 170 97		RJ 11 socket
10	6 170 98		Double RJ 11 socket
10	6 170 94 N		RJ 11 + RJ 45 Cat.5e UTP socket

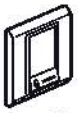
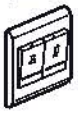
Data sockets

Pack	Cat.Nos		
10	6 170 90		RJ 45 Cat.5e UTP
10	6 170 91		RJ 45 Cat.6 UTP
10	6 170 92		Double RJ 45 Cat.6 UTP

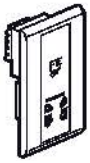
Key card switch

Pack	Cat.Nos		
1	6 170 12		16 A - 230 V - 50 Hz Time delay of approx. 30 s after card removal

Hotel bedrooms call indicators

Pack	Cat.Nos		
10	6 170 13		2 settings : - Do not disturb - Please clean the room Indicator lamp + bell push Installed in the corridor, display calls
10	6 170 14		Internal control unit Installed in the room, allows the user to select the desired setting

Shaver socket

Pack	Cat.Nos		
1	6 170 68		Conform to BS 61558 115/230 V - 20 VA - 50/60 Hz Surface or flush-mounting, back box to be min. 47 mm deep - 2 gang

Security switch

Pack	Cat.Nos		
1	6 170 19		1 A resistive - 250 V~ Panic button

Belanko™

socket outlets and fused connection units


6 171 41


6 170 46


6 170 65


6 170 67


6 170 81

Colour: White T084. Material: Thermoplastic with glossy finish
Dimensions: 86 x 86 x 9.5 mm (1 gang) / 86 x 146 x 9.5 mm (2 gang).Supplied with 2 screws M3.5 for BS boxes

Pack	Cat.Nos	British Standard socket outlets
		13 A - 250 V~
		Conform to BS 1363-2
10	6 170 40	1 gang unswitched
5	6 170 45	2 gang unswitched
10	6 170 41	1 gang single pole switched
10	6 170 43	1 gang double pole switched
5	6 170 46	2 gang single pole switched
5	6 170 48	2 gang double pole switched
10	6 170 42	1 gang single pole switched + neon
5	6 170 47	2 gang single pole switched + neon
10	6 171 41	1 gang single pole switched with external rocker
5	6 171 46	2 gang single pole switched with inboard rockers
5	6 170 49	2 gang single pole switched with red cover + neon
		15 A - 250 V~
		Conform to BS 546
10	6 170 50	1 gang unswitched
10	6 170 51	1 gang single pole switched
10	6 170 52	1 gang single pole switched + neon
5	6 170 53 N	2 gang single pole switch

Pack	Cat.Nos	British Standard socket outlets (continued)
		5 A - 250 V~
		Conform to BS 546
10	6 170 54	1 gang single pole switched
		Euro/US socket outlets - 10 A - 250 V~ / 15 A - 127 V~
10	6 170 60	1 gang - 2P
10	6 170 61	1 gang - 2P + 10 AX switch
10	6 170 62	1 gang - 2 x 2P
10	6 170 63	1 gang - 2P+E
		US socket outlet - 15 A - 127 V~
10	6 170 65	1 gang - 2P+E
		German standard socket outlet 16 A - 250 V~
10	6 170 56	1 gang - 2P+E with shutters for child protection
10	6 170 55	1 gang - 2P+E without shutters
		Multistandard socket outlet
10	6 170 67	Switched socket
		Fused connection units
		13 A
		Conform to BS 1363-4
10	6 170 80	Unswitched + cord outlet
10	6 170 81	Switched + cord outlet
10	6 170 82	Switched + neon + cord outlet

Belanko™

cable outlets, surface-mounting boxes, plates and blanking plates



6 171 31 + 6 170 42



6 133 51



6 171 55



6 171 51

Pack	Cat.Nos	Cable outlets
		Conform to BS 5733
10	6 170 85	20 A - 250 V~
10	6 170 86	45 A - 250 V~
		Fixing accessories
100	6 171 30	Screw caps
2	6 171 31	Splash-proof cover Mainly for socket protection IP 44 with or without plug engaged Space inside : 86 x 86 mm (for Belanko, Mallia and Synergy products)
		Surface-mounting boxes
		Conform to BS 5733 depth 35 mm
10	6 133 49	Architrave surface box
8	6 133 50	1 gang surface box - 86 x 86 mm Supplied with earth terminal
4	6 133 51	2 gang surface box - 86 x 146 mm Supplied with earth terminal

Pack	Cat.Nos	Plates
		1 gang - horizontal
5	6 171 50	Beige
5	6 171 55	Taupe
		1 gang - vertical
5	6 171 51	Beige
5	6 171 56	Taupe
		2 gang - horizontal
5	6 171 52	Beige
5	6 171 57	Taupe
		2 gang - vertical
5	6 171 53	Beige
5	6 171 58	Taupe
		Blanking plates
		Conform to BS 5733
10	6 171 28	1 gang
5	6 171 29	2 gang
		Arteor adaptor
10	6 171 32 N	1 gang

Mallia™

express yourself
like never before

Mixing colours is a breeze with Mallia. Beyond promising endless possibilities with the expanded range, the license to blend them in anywhere desired is just sheer joy

IT'S SIMPLE

Complete white or customisable functions

- Mallia plates and gang units are interchangeable and easy to install
- Mallia goes the distance that ensures that form always complements the function



▶▶ 3 cover plates and 13 plate finishes



QR code for complete and customisable presentation

Mallia™

single pole switches - complete white


2 810 00


2 810 04


2 810 10


2 810 16

Conform to BS EN 60669 – 1
Polycarbonate front cover plates with a matt finish
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
Supplied complete with plate
Dim.: 86 x 86 mm

Pack	Cat.Nos	Single pole standard switches 10 AX - 250 V~
10	2 810 00	**1 gang - 1-way switch** ○ White
10	2 810 01	**1 gang - 2-way switch** ○ White
4	2 810 08	**1 gang - intermediate switch** ○ White
10	2 810 02	**2 gang - 1-way switch** ○ White
10	2 810 03	**2 gang - 2-way switch** ○ White
10	2 810 04	**3 gang - 1-way switch** ○ White
10	2 810 05	**3 gang - 2-way switch** ○ White
10	2 810 06	**4 gang - 1-way switch** Compatible with metal boxes only, for installation fold the vertical lugs of the boxes ○ White
10	2 810 07	**4 gang - 2-way switch** Compatible with metal boxes only, for installation fold the vertical lugs of the boxes ○ White

Pack	Cat.Nos	Single pole illuminated switches 10 AX - 250 V~
		Transparent phosphorescent lens To be equipped with green or red LED according to the needs: indicator or locator (p. 514) The LED is not supplied
10	2 810 10	**1 gang - 1-way switch** ○ White
10	2 810 11	**1 gang - 2-way switch** ○ White
4	2 810 09	**1 gang - intermediate switch** ○ White
10	2 810 12	**2 gang - 1-way switch** ○ White
10	2 810 13	**2 gang - 2-way switch** ○ White
10	2 810 14	**3 gang - 1-way switch** ○ White
10	2 810 15	**3 gang - 2-way switch** ○ White
10	2 810 16	**4 gang - 1-way switch** Compatible with metal boxes only, for installation fold the vertical lugs of the boxes ○ White
10	2 810 17	**4 gang - 2-way switch** Compatible with metal boxes only, for installation fold the vertical lugs of the boxes ○ White

Mallia™

single pole switches and double pole switches - complete white


2 810 50


2 810 53


2 810 62


2 810 72

Conform to BS EN 60669 – 1
Polycarbonate front cover plates with a matt finish
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
Supplied complete with plate
Dim.: 86 x 86 mm

Pack	Cat.Nos	Single pole switches 20 AX - 250 V~
10	2 810 50	**1 gang - 1-way switch** ○ White
10	2 810 51	**1 gang - 2-way switch** ○ White
4	2 810 69	**1 gang - intermediate switch** ○ White
10	2 810 52	**2 gang - 1-way switch** ○ White
10	2 810 53	**2 gang - 2-way switch** ○ White
10	2 810 54	**3 gang - 1-way switch** Compatible with metal boxes only, for installation fold the vertical lugs of the boxes ○ White
10	2 810 55	**3 gang - 2-way switch** Compatible with metal boxes only, for installation fold the vertical lugs of the boxes ○ White

Pack	Cat.Nos	Double pole switches 20 AX - 250 V~
10	2 810 60	Equipped with earth link connector **1 gang - 1-way** ○ White
10	2 810 61	**1 gang - 1-way with LED power indicator** ○ White
10	2 810 62	**1 gang - 1-way with LED power indicator and "WATER HEATER" marking** ○ White

Pack	Cat.Nos	Double pole switches 20 AX - 250 V~
10	2 810 65	Equipped with earth link connector **2 gang - 1-way with LED power indicator** ○ White
10	2 810 66	**1 gang - 1-way with LED power indicator and cable outlet** ○ White
10	2 810 67	**1 gang - 1-way with LED power indicator and cable outlet, "WATER HEATER" marking** ○ White
10	2 810 68	**1 gang - 2-way with "WATER HEATER" marking** ○ White

Pack	Cat.Nos	Double pole switches 45 A - 250 V~
10	2 810 71	Conform to BS EN 60669 - 1 **1 gang - 1-way with red indicator** ○ White
10	2 810 72	**1 gang - 1-way with red indicator and cooker marking** ○ White
5	2 810 73	**2 gang - 1-way vertical switch with red indicator** Dim.: 86 x 146 mm ○ White

Mallia™

push-buttons, dimmers, automatic switches and other lighting functions - complete white


2 810 40


2 810 84


2 810 91


2 810 75

Conform to BS EN 60669 – 1
Polycarbonate front cover plates with a matt finish
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
Supplied complete with plate
Dim.: 86 x 86 mm

Pack	Cat.Nos	Push-buttons 10 A - 250 V~
		N/O contact (push to make)
10	2 810 41	○ White
		N/O contact with bell symbol
10	2 810 40	○ White
		Leading edge dimmers
		Rotary control dimmer 60-500 W for incandescent and halogen lamps 230 V~ 60-500 VA ELV halogen lamps with ferromagnetic transformer and compensator Cat.No 0 401 39
1	2 810 80	○ White
		Rotary control dimmer + switch 60-500 W for incandescent and halogen lamps 230 V~ 60-200 VA ELV halogen lamps with ferromagnetic transformer and compensator Cat.No 0 401 39
1	2 810 84	○ White
		Rotary dimmer 60-1000 W (230 V) 60-500 W (127 V) for incandescent and halogen lamps 60-600 VA (230 V) 60-300 VA (127 V) for halogen lamps with electronic transformer with leading edge behaviour 60-1000 VA (230 V) 60-500 W (127 V) for halogen lamps with ferromagnetic transformers
1	2 810 85	○ White
		Automatic switch
		IR movement detector Horizontal detection angle 180° Luminosity threshold: 43 to 1614 lux Temporization: 20 s - 15 min Detection range: max. 12 m Compatible load: 25 - 200 W for incandescent and halogen lamps 230 V~
1	2 810 90	○ White

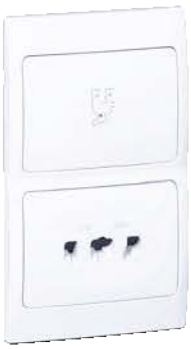
Pack	Cat.Nos	Programmable switch
		Power supply: 230 VA - 50/60 Hz Maximum load: 2300 W Weekly programme Capacity: max. 28 programmes Output: 1 changeover contact
1	2 810 92	○ White
		Time delay switch
		Adjustable time from 5 min to 12 h Maximum load: 500 W incandescent and halogen lamps 230 V~ 250 W fluorescent lamps without capacitor
1	2 810 91	○ White
		Fan speed controls
		400 VA rotary fan control
1	2 810 81	○ White
		5-speed fan control 100 W for fan with overall diameter 48"
1	2 810 82	○ White
		Cooker control unit 45 A - 250 V~
		Conform to BS 4177 45 A DP switch + 13 A switched socket outlet with red indicator Dim.: 146 x 86 mm
5	2 810 75	○ White

Mallia™

telephone, data, television, shaver socket and cable outlets - complete white


2 811 60


2 811 65


2 811 35

2 811 47

Conform to BS EN 60669 – 1
Polycarbonate front cover plates with a matt finish. Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes. Supplied complete with plate. Dim.: 86 x 86 mm

Pack	Cat.Nos	Telephone sockets
5	2 811 60	**RJ 11 sockets - 4 contacts** 1/4 turn, tool-less connector ○ White
5	2 811 63	**Double RJ 11 sockets - 4 contacts** 1/4 turn, tool-less connector ○ White
5	2 811 68	**BS master telephone sockets** ○ White
5	2 811 69	**BS secondary telephone sockets** ○ White
10	2 811 70	**2 A - 3 pin sockets** ○ White
		Data sockets
5	2 811 61	**RJ 45 Cat. 5e UTP** ○ White
5	2 811 62	**RJ 45 Cat. 6 UTP** ○ White
5	2 811 64	**Double RJ 45 Cat. 5e UTP** ○ White
5	2 811 65	**Double RJ 45 Cat. 6 UTP** ○ White
		Telephone and data sockets
5	2 811 66	**RJ 11 + RJ 45 sockets Cat. 5e UTP** ○ White

Pack	Cat.Nos	Television sockets
		For Hertzian and satellite installation (with individual demodulator) DTT and HDTV compatible-shielded sockets TV: male connector (Ø9.5 mm) R: female connector (Ø9.5 mm) SAT: "F" type connector Recommanded coaxial cable: 17/19 VATC
5	2 811 57	**TV-R-SAT socket** TV: 5-68/120 - 862 MHz R: 87.5-108 MHz SAT: 550-2400 MHz Star 1.5 dB ○ White
5	2 811 53	**TV-R socket** TV: 5-68/120 - 862 MHz R: 87.5-108 MHz Star 1.5 dB ○ White
10	2 811 51	**TV socket** TV: 0-2400 MHz Star 1.5 dB ○ White
10	2 811 52	**TV socket "F" type with screws** SAT: 0-2400 MHz Star 1.5 dB ○ White
		Shaver socket
1	2 811 35	230 V / 120 V~ - 50/60 Hz. Dim.: 86 x 146 mm ○ White
		Cable outlets
		Conform to BS 5733
10	2 811 47	**20 A** ○ White
5	2 811 48	**45 A** ○ White

British standard socket outlets and fused connection units - complete white


2 811 10


2 811 14


2 811 28


2 811 29

Conform to BS EN 60669 – 1
Polycarbonate front cover plates with a matt finish
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
All sockets integrate child protection
Supplied complete with plate
Dim.: 86 x 86 mm

British standard socket outlets 13 A - 250 V~

Conform to BS 1363: Part 2

Pack	Cat.Nos	
10	2 811 10	**1 gang unswitched** ○ White
5	2 811 12	**2 gang unswitched** ○ White Dim.: 146 x 86 mm
10	2 811 11	**1 gang - single pole switched** ○ White
10	2 811 14	**1 gang - single pole switched with red power indicator** ○ White
5	2 811 13	**2 gang - single pole switched** ○ White Dim.: 146 x 86 mm
5	2 811 15	**2 gang - single pole switched with red power indicator** ○ White Dim.: 146 x 86 mm
10	2 811 16	**1 gang - double pole switched** ○ White
10	2 811 18	**1 gang - double pole switched with red power indicator** ○ White
5	2 811 17	**2 gang - double pole switched** ○ White Dim.: 146 x 86 mm
5	2 811 19	**2 gang - double pole switched with red power indicator** ○ White Dim.: 146 x 86 mm

British standard socket outlets 15 A - 250 V~

Conform to BS 546

Pack	Cat.Nos	
10	2 811 27	**1 gang unswitched** ○ White
10	2 811 28	**1 gang switched** ○ White
10	2 811 29	**1 gang switched, with red LED power indicator** ○ White

British standard socket outlets 5 A - 250 V~

Conform to BS 546

Pack	Cat.Nos	
10	2 811 31	**1 gang unswitched** ○ White
10	2 811 32	**1 gang switched** ○ White

13 A fused connection units

Conform to BS 1363: Part 4

Pack	Cat.Nos	
10	2 811 40	**Unswitched** ○ White
10	2 811 41	**Switched** ○ White
10	2 811 42	**Switched with red LED power indicator** ○ White

Mallia™

Euro-US and German standard socket outlets - complete white



2 811 00



2 811 20

Polycarbonate front cover plates with a matt finish
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
All sockets integrate child protection
Supplied complete with plate
Dim.: 86 x 86 mm

Pack	Cat.Nos	Euro-US standard socket outlets 10/16 A - 250 V~
10	2 811 00	**2P - 1 gang** ○ White
10	2 811 01	**2P - 1 gang + 10 A switch** ○ White
10	2 811 02	**2P - 2 gang (separated connection)** ○ White
10	2 811 03	**2P+E - 1 gang** ○ White
10	2 811 04	**2P+E - 2 gang** ○ White
		German standard socket outlet 16 A - 250 V~
10	2 811 26	**2P+E - 1 gang** ○ White
		Multistandard socket outlet 16 A - 250 V / 15 A - 127 V
10	2 811 20	**2P+E - 1 gang** ○ White
		US standard socket outlets 15 A - 127 V
10	2 811 05	**2P+E - 1 gang** ○ White
10	2 811 06	**2P+E - 2 gang** ○ White

Mallia™

modular sockets - white



2 818 55 2 818 58 2 819 30 (see p. 515)

Polycarbonate front cover plates with a matt finish
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
All sockets integrate child protection
Dim.: 146 x 86 mm

Pack	Cat.Nos	Socket outlets modular mechanisms
		To be equipped with 2-gang support frame and plates (p. 515)
5	2 818 55	**1 gang unswitched - British standard - 13 A - 250 V~** ○ White
5	2 818 58	**1 gang switched - British standard - 13 A - 250 V~** ○ White
8	2 818 47	**2P+E - 1 gang - Euro - US standard - 10/16 A - 250 V~** ○ White

Mallia™

switches for hotels, downlighter and sound distribution - complete white


2 810 48


2 810 97


2 811 82


2 811 84

Polycarbonate front cover plates with a matt finish
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
Supplied complete with plate
Dim.: 86 x 86 mm

Pack	Cat.Nos	Switches for hotels - 230 V~
1	2 810 48	**Key card switch - 15 A** Time delay arround 30 s ○ White
10	2 810 45	**Do not disturb / Occupied / Clean up Bell push-button** ○ White
10	2 810 46	**Do not disturb / Clean up - 2 gang switch** ○ White
5	2 810 97	**Downlighter** Low output downlighter 230 V~ , with LED **2P+E - 1 gang** ○ White

Pack	Cat.Nos	Stand-alone sound distribution system for 1 single room
1	2 811 80	Kit containing: - 1 power supply - 1 tuner - 2 loudspeakers ○ White

Pack	Cat.Nos	Configurable sound distribution system for several rooms
1	2 811 81	**Modular power supply** 230 V / 15 V - 15 W 5 DIN modules 17.5 mm
1	2 811 82	**Central unit** ○ White
1	2 811 83	**Local control unit** With LCD display, child surveillance and intercommunication ○ White
1	2 811 84	**Radio tuner with local control unit** Dim.: 146 x 86 mm ○ White
1	2 811 85	**Loudspeaker** ○ White

Mallia™

single pole switches - customisable colours


2 830 02


2 832 04


2 830 12 + 2 819 98


2 834 16 + 2 819 97

Plate selection charts **p. 515**

Conform to BS EN 60669 – 1
Painted polycarbonate front cover
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
To be equipped with plates
Dim.: 86 x 86 mm

Pack	Cat.Nos	Single pole standard switches 10 AX - 250 V~	
		1 gang - 1-way switch	
5	2 830 00		Silver
5	2 832 00		Pearl
5	2 834 00		Dark Silver
		1 gang - 2-way switch	
5	2 830 01		Silver
5	2 832 01		Pearl
5	2 834 01		Dark Silver
		1 gang - intermediate switch	
4	2 830 08		Silver
4	2 832 08		Pearl
4	2 834 08		Dark Silver
		2 gang - 1-way switch	
5	2 830 02		Silver
5	2 832 02		Pearl
5	2 834 02		Dark Silver
		2 gang - 2-way switch	
5	2 830 03		Silver
5	2 832 03		Pearl
5	2 834 03		Dark Silver
		3 gang - 1-way switch	
5	2 830 04		Silver
5	2 832 04		Pearl
5	2 834 04		Dark Silver
		3 gang - 2-way switch	
5	2 830 05		Silver
5	2 832 05		Pearl
5	2 834 05		Dark Silver
		4 gang - 1-way switch	
		Compatible with metal boxes only, for installation fold the vertical lugs of the boxes	
5	2 830 06		Silver
5	2 832 06		Pearl
5	2 834 06		Dark Silver
		4 gang - 2-way switch	
		Compatible with metal boxes only, for installation fold the vertical lugs of the boxes	
5	2 830 07		Silver
5	2 832 07		Pearl
5	2 834 07		Dark Silver

Pack	Cat.Nos	Single pole illuminated switches 10 AX - 250 V~	
		Transparent phosphorescent lens To be equipped with green or red LED according to the needs: indicator or locator (p. 514) The LED is not supplied	
		1 gang - 1-way switch	
5	2 830 10		Silver
5	2 832 10		Pearl
5	2 834 10		Dark Silver
		1 gang - 2-way switch	
5	2 830 11		Silver
5	2 832 11		Pearl
5	2 834 11		Dark Silver
		1 gang - intermediate switch	
4	2 830 09		Silver
4	2 832 09		Pearl
4	2 834 09		Dark Silver
		2 gang - 1-way switch	
5	2 830 12		Silver
5	2 832 12		Pearl
5	2 834 12		Dark Silver
		2 gang - 2-way switch	
5	2 830 13		Silver
5	2 832 13		Pearl
5	2 834 13		Dark Silver
		3 gang - 1-way switch	
5	2 830 14		Silver
5	2 832 14		Pearl
5	2 834 14		Dark Silver
		3 gang - 2-way switch	
5	2 830 15		Silver
5	2 832 15		Pearl
5	2 834 15		Dark Silver
		4 gang - 1-way switch	
		Compatible with metal boxes only, for installation fold the vertical lugs of the boxes	
5	2 830 16		Silver
5	2 832 16		Pearl
5	2 834 16		Dark Silver
		4 gang - 2-way switch	
		Compatible with metal boxes only, for installation fold the vertical lugs of the boxes	
5	2 830 17		Silver
5	2 832 17		Pearl
5	2 834 17		Dark Silver

Mallia™

single pole switches and double pole switches - customisable colours


2 834 53


2 830 54



2 832 62


2 834 66

Plate selection charts **p. 515**

Conform to BS EN 60669 – 1
Painted polycarbonate front cover
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
To be equipped with plates
Dim.: 86 x 86 mm

Pack	Cat.Nos	Single pole switches 20 AX - 250 V~
		1 gang - 1-way switch
5	2 830 50	Silver
5	2 832 50	Pearl
5	2 834 50	Dark Silver
		1 gang - 2-way switch
5	2 830 51	Silver
5	2 832 51	Pearl
5	2 834 51	Dark Silver
		1 gang - intermediate switch
4	2 830 69	Silver
4	2 832 69	Pearl
4	2 834 69	Dark Silver
		2 gang - 1-way switch
5	2 830 52	Silver
5	2 832 52	Pearl
5	2 834 52	Dark Silver
		2 gang - 2-way switch
5	2 830 53	Silver
5	2 832 53	Pearl
5	2 834 53	Dark Silver
		3 gang - 1-way switch
		Compatible with metal boxes only, for installation fold the vertical lugs of the boxes
5	2 830 54	Silver
5	2 832 54	Pearl
5	2 834 54	Dark Silver
		3 gang - 2-way switch
		Compatible with metal boxes only, for installation fold the vertical lugs of the boxes
5	2 830 55	Silver
5	2 832 55	Pearl
5	2 834 55	Dark Silver

Pack	Cat.Nos	Double pole switches 20 AX - 250 V~
		Equipped with earth link connector
		1 gang - 1-way
5	2 830 60	Silver
5	2 832 60	Pearl
5	2 834 60	Dark Silver
		1 gang - 1-way with LED power indicator
5	2 830 61	Silver
5	2 832 61	Pearl
5	2 834 61	Dark Silver
		1 gang - 1-way with LED power indicator and "WATER HEATER" marking
5	2 830 62	Silver
5	2 832 62	Pearl
5	2 834 62	Dark Silver

Pack	Cat.Nos	Double pole switches 20 AX - 250 V~ (continued)
		2 gang - 1-way with LED power indicator
5	2 830 65	Silver
5	2 832 65	Pearl
5	2 834 65	Dark Silver
		1 gang - 1-way with LED power indicator and cable outlet
5	2 830 66	Silver
5	2 832 66	Pearl
5	2 834 66	Dark Silver
		1 gang - 1-way with LED power indicator and cable outlet, "WATER HEATER" marking
5	2 830 67	Silver
5	2 832 67	Pearl
5	2 834 67	Dark Silver
		1 gang - 2-way with "WATER HEATER" marking
5	2 830 68	Silver
5	2 832 68	Pearl
5	2 834 68	Dark Silver

Pack	Cat.Nos	Double pole switches 45 A - 250 V~
		1 gang - 1-way with red indicator
5	2 830 71	Silver
5	2 832 71	Pearl
5	2 834 71	Dark Silver
		1 gang - 1-way with red indicator and cooker marking
5	2 830 72	Silver
5	2 832 72	Pearl
5	2 834 72	Dark Silver
		2 gang - 1-way vertical switch with red indicator
		Dim.: 86 x 146 mm
		Use special plates (p. 514)
5	2 830 73	Silver
5	2 832 73	Pearl
5	2 834 73	Dark Silver

Mallia™

push-buttons, dimmers, automatic switches and other lighting functions - customisable colours


2 830 84


2 834 90


2 832 81


2 812 75

Plate selection charts **p. 515**

Conform to BS EN 60669 – 1
Painted polycarbonate front cover
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
To be equipped with plates - Dim.: 86 x 86 mm

Pack	Cat.Nos	Push-buttons 10 A - 250 V~
		N/O contact (push to make)
5	2 830 41	Silver
5	2 832 41	Pearl
5	2 834 41	Dark Silver
		N/O contact with bell symbol
5	2 830 40	Silver
5	2 832 40	Pearl
5	2 834 40	Dark Silver

Pack	Cat.Nos	Leading edge dimmers
		Rotary control dimmer 60-500 W for incandescent and halogen lamps 230 V~ 60-500 VA ELV halogen lamps with ferromagnetic transformer and compensator Cat.No 0 401 39
1	2 830 80	Silver
1	2 832 80	Pearl
1	2 834 80	Dark Silver
		Rotary control dimmer + switch 60-500 W for incandescent and halogen lamps 230 V~ 60-200 VA ELV halogen lamps with ferromagnetic transformer and compensator Cat.No 0 401 39
1	2 830 84	Silver
1	2 832 84	Pearl
1	2 834 84	Dark Silver
		Rotary dimmer 60-1000 W (230 V) - 60-500 W (127 V) for incandescent and halogen lamps 60-600 VA (230 V) 60-300 VA (127 V) for halogen lamps with electronic transformer with leading edge behaviour 60-1000 VA (230 V) 60-500 W (127 V) for halogen lamps with ferromagnetic transformers
1	2 830 85	Silver
1	2 832 85	Pearl
1	2 834 85	Dark Silver

Pack	Cat.Nos	Automatic switches
		IR movement detector Horizontal detection angle 180° Luminosity threshold: 43 to 1614 lux Temporization: 20 s - 15 min Detection range: max. 12 m Compatible load: 25 - 200 W for incandescent and halogen lamps 230 V~
1	2 830 90	Silver
1	2 832 90	Pearl
1	2 834 90	Dark Silver

Pack	Cat.Nos	Programmable switches
		Power supply: 230 V~ - 50/60 Hz Maximum load: 2300 W Weekly programme Capacity: max. 28 programmes Output: 1 changeover contact
1	2 830 92	Silver
1	2 832 92	Pearl
1	2 834 92	Dark Silver

Pack	Cat.Nos	Time delay switches
		Adjustable time from 5 min to 12 h Maximum load: 500 W incandescent and halogen lamps 230 V~ 250 W fluorescent lamps without capacitor
1	2 830 91	Silver
1	2 832 91	Pearl
1	2 834 91	Dark Silver

Pack	Cat.Nos	Fan speed controls
		400 VA rotary fan controls
1	2 830 81	Silver
1	2 832 81	Pearl
1	2 834 81	Dark Silver
		5-speed fan controls 100 W for fan with overall diameter 48"
1	2 830 82	Silver
1	2 832 82	Pearl
1	2 834 82	Dark Silver

Pack	Cat.Nos	Cooker control units 45 A - 250 V~
		Supplied complete with plate Conform to BS 4177 45 A DP switch + 13 A switched socket outlet with red indicator Dim.: 146 x 86 mm
5	2 812 75	Silver
5	2 832 75	Pearl
5	2 834 75	Dark Silver

Mallia™

telephone, data, television, shaver sockets and cable outlets - customisable colours


2 835 63


2 831 62


2 835 51


2 831 35

Plate selection charts **p. 515**

Conform to BS EN 60669 – 1
Painted polycarbonate front cover. Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes. To be equipped with plates - Dim.: 86 x 86 mm

Pack	Cat.Nos	Telephone sockets
		RJ 11 sockets - 4 contacts
		1/4 turn, tool-less connector
5	2 831 60	Silver
5	2 833 60	Pearl
5	2 835 60	Dark Silver
		Double RJ 11 sockets - 4 contacts
		1/4 turn, tool-less connector
5	2 831 63	Silver
5	2 833 63	Pearl
5	2 835 63	Dark Silver
		BS master telephone sockets
5	2 831 68	Silver
5	2 833 68	Pearl
5	2 835 68	Dark Silver
		BS secondary telephone sockets
5	2 831 69	Silver
5	2 833 69	Pearl
5	2 835 69	Dark Silver
		2 A - 3 pin sockets
5	2 831 70	Silver
5	2 833 70	Pearl
5	2 835 70	Dark Silver

Pack	Cat.Nos	Data sockets
		RJ 45 Cat. 5e UTP
5	2 831 61	Silver
5	2 833 61	Pearl
5	2 835 61	Dark Silver
		RJ 45 Cat. 6 UTP
5	2 831 62	Silver
5	2 833 62	Pearl
5	2 835 62	Dark Silver
		Double RJ 45 Cat. 5e UTP
5	2 831 64	Silver
5	2 833 64	Pearl
5	2 835 64	Dark Silver
		Double RJ 45 Cat. 6 UTP
5	2 831 65	Silver
5	2 833 65	Pearl
5	2 835 65	Dark Silver

Pack	Cat.Nos	Telephone and data sockets
		RJ 11 + RJ 45 sockets Cat. 5e UTP
5	2 831 66	Silver
5	2 833 66	Pearl
5	2 835 66	Dark Silver

Pack	Cat.Nos	Television sockets
		TV-R-SAT sockets - star 1.5 dB
		TV: 5-68/120-862 MHz
		R: 87.5-108 MHz
		SAT: 550-2400 MHz
5	2 831 57	Silver
5	2 833 57	Pearl
5	2 835 57	Dark Silver
		TV-R sockets- star 1.5 dB
		TV: 5-68/120-862 MHz
		R: 87.5-108 MHz
5	2 831 53	Silver
5	2 833 53	Pearl
5	2 835 53	Dark Silver
		TV sockets - star 1.5 dB
		TV: 0-2400 MHz
5	2 831 51	Silver
5	2 833 51	Pearl
5	2 835 51	Dark Silver
		TV sockets "F" type with screws-star 1.5 dB
		SAT: 0-2400 MHz
5	2 831 52	Silver
5	2 833 52	Pearl
5	2 835 52	Dark Silver

Pack	Cat.Nos	Shaver sockets
		230 V / 120 V~ - 50/60 Hz
		Dim.: 86 x 146 mm
1	2 831 35	Silver
1	2 833 35	Pearl
1	2 835 35	Dark Silver

Pack	Cat.Nos	Cable outlets
		Conform to BS 5733
		20 A
5	2 831 47	Silver
5	2 833 47	Pearl
5	2 835 47	Dark Silver
		45 A - supplied complete with plate
5	2 831 48	Silver
5	2 833 48	Pearl
5	2 835 48	Dark Silver

Mallia™

British standard socket outlets and fused connection units - customisable colours


2 833 13

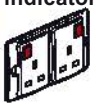

2 817 18


2 835 28


2 833 42

Plate selection charts **p. 515**

Conform to BS EN 60669 – 1. Painted polycarbonate front cover
Compact mechanism for a larger wiring space. Supplied with 2 screws M 3.5 for BS boxes. All sockets integrate child protection
To be equipped with plates. Dim.: 86 x 86 mm

Pack	Cat.Nos	British standard socket outlets 13 A - 250 V~	
		Conform to BS 1363: Part 2	
		1 gang unswitched	
5	2 831 10		Silver
5	2 833 10		Pearl
5	2 835 10		Dark Silver
		2 gang unswitched - Dim.: 146 x 86 mm	
5	2 831 12		Silver
5	2 833 12		Pearl
5	2 835 12		Dark Silver
		1 gang - single pole switched	
5	2 831 11		Silver
5	2 833 11		Pearl
5	2 835 11		Dark Silver
		1 gang - single pole switched with red power indicator	
5	2 831 14		Silver
5	2 833 14		Pearl
5	2 835 14		Dark Silver
		2 gang - single pole switched - Dim.: 146 x 86 mm	
5	2 831 13		Silver
5	2 833 13		Pearl
5	2 835 13		Dark Silver
		2 gang - single pole switched with red power indicator - Dim.: 146 x 86 mm	
5	2 831 15		Silver
5	2 833 15		Pearl
5	2 835 15		Dark Silver

Pack	Cat.Nos	British standard double pole socket outlets 13 A - 250 V~	
		Supplied complete with plate	
		1 gang - double pole switched	
5	2 813 16		Silver
5	2 816 16		Pearl
5	2 817 16		Dark Silver
		1 gang - double pole switched with red power indicator	
5	2 813 18		Silver
5	2 816 18		Pearl
5	2 817 18		Dark Silver
		2 gang - double pole switched - Dim.: 146 x 86 mm	
5	2 813 17		Silver
5	2 816 17		Pearl
5	2 817 17		Dark Silver
		2 gang - double pole switched with red power indicator - Dim.: 146 x 86 mm	
5	2 813 19		Silver
5	2 816 19		Pearl
5	2 817 19		Dark Silver

Pack	Cat.Nos	British standard socket outlets 15 A - 250 V~	
		Conform to BS 546	
		1 gang unswitched	
5	2 831 27		Silver
5	2 833 27		Pearl
5	2 835 27		Dark Silver
		1 gang switched	
5	2 831 28		Silver
5	2 833 28		Pearl
5	2 835 28		Dark Silver
		1 gang switched, with red LED power indicator	
5	2 831 29		Silver
5	2 833 29		Pearl
5	2 835 29		Dark Silver

Pack	Cat.Nos	British standard socket outlets 5 A - 250 V~	
		Conform to BS 546	
		1 gang unswitched	
5	2 831 31		Silver
5	2 833 31		Pearl
5	2 835 31		Dark Silver
		1 gang switched	
5	2 831 32		Silver
5	2 833 32		Pearl
5	2 835 32		Dark Silver

Pack	Cat.Nos	13 A fused connection units	
		Conform to BS 1363: Part 4	
		Unswitched	
5	2 831 40		Silver
5	2 833 40		Pearl
5	2 835 40		Dark Silver
		Switched	
5	2 831 41		Silver
5	2 833 41		Pearl
5	2 835 41		Dark Silver
		Switched with red LED power indicator	
5	2 831 42		Silver
5	2 833 42		Pearl
5	2 835 42		Dark Silver

Mallia™ - Euro-US and German standard socket outlets customisable colours



2 835 02



2 831 26

Plate selection charts **p. 515**

Painted polycarbonate front cover. Compact mechanism for a larger wiring space. Supplied with 2 screws M 3.5 for BS boxes
All sockets integrate child protection. To be equipped with plates
Dim.: 86 x 86 mm

Pack	Cat.Nos	Euro-US standard socket outlets 10/16 A - 250 V~
		2P - 1 gang
5	2 831 00	Silver
5	2 833 00	Pearl
5	2 835 00	Dark Silver
		2P - 1 gang + 10 A switch
5	2 831 01	Silver
5	2 833 01	Pearl
5	2 835 01	Dark Silver
		2P - 2 gang (separated connection)
5	2 831 02	Silver
5	2 833 02	Pearl
5	2 835 02	Dark Silver
		2P+E - 1 gang
5	2 831 03	Silver
5	2 833 03	Pearl
5	2 835 03	Dark Silver
		2P+E - 2 gang
5	2 831 04	Silver
5	2 833 04	Pearl
5	2 835 04	Dark Silver
		German standard socket outlets 16 A - 250 V~
		2P+E - 1 gang
5	2 831 26	Silver
5	2 833 26	Pearl
5	2 835 26	Dark Silver
		Multistandard socket outlets - 16 A - 250 V/ 15 A - 127 V
		2P+E - 1 gang
5	2 831 20	Silver
5	2 833 20	Pearl
5	2 835 20	Dark Silver
		US standard socket outlets 15 A - 127 V - SASO
		2P+E - 1 gang
5	2 831 05	Silver
5	2 833 05	Pearl
5	2 835 05	Dark Silver
		2P+E - 2 gang
5	2 831 06	Silver
5	2 833 06	Pearl
5	2 835 06	Dark Silver

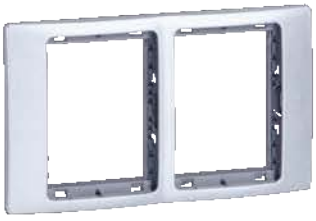
Mallia™ modular socket outlets customisable colours



2 818 56



2 818 59



2 819 31

Plate selection charts **p. 515**

Painted polycarbonate front cover

Pack	Cat.Nos	Modular socket outlets
		Compact mechanism for a larger wiring space Supplied with 2 screws M 3.5 for BS boxes All sockets integrate child protection To be equipped with 2-gang support frames and plates Dim.: 146 x 86 mm
		1 gang unswitched - British standard - 13 A - 250 V~
5	2 818 56	Silver
5	2 818 75	Pearl
5	2 818 76	Dark Silver
		1 gang switched - British standard - 13 A - 250 V~
5	2 818 59	Silver
5	2 818 78	Pearl
5	2 818 79	Dark Silver
		2P+E - 1 gang - Euro - US standard - 10/16 A - 250 V~
8	2 818 48	Silver
8	2 818 67	Pearl
8	2 818 68	Dark Silver
		Support frames and plates - for modular socket outlets
		2 gang plastic Supplied with fixing screws
5	2 819 30	White
5	2 819 31	Silver
5	2 819 32	Champagne
5	2 819 33	Pearl
5	2 819 34	Dark Silver
5	2 819 46	Brass
5	2 819 47	Bronze
5	2 819 48	Matt Black
5	2 819 49	Copper
		2 gang metal Supplied with fixing screws
1	2 819 20	Brushed Stainless Steel
1	2 819 21	Gold
1	2 819 22	Polished Stainless Steel
1	2 819 23	Lacquered Black

Mallia™

switches for hotels, downlighters and sound distribution - customisable colours


2 830 45


2 834 97


2 833 80


2 831 85

Plate selection charts **p. 515**

Painted polycarbonate front cover
Compact mechanism for a larger wiring space
Supplied with 2 screws M 3.5 for BS boxes
To be equipped with plates
Dim.: 86 x 86 mm

Switches for hotels - 230 V~

Pack	Cat.Nos	
		Key card switches - 15 A
		Time delay arround 30 s
1	2 830 48	Silver
1	2 832 48	Pearl
1	2 834 48	Dark Silver
		Do not disturb / Occupied / Clean up Bell push-buttons
5	2 830 45	Silver
5	2 832 45	Pearl
5	2 834 45	Dark Silver
		Do not disturb / Clean up - 2 gang switches
5	2 830 46	Silver
5	2 832 46	Pearl
5	2 834 46	Dark Silver

Downlighters

Low output downlighters 230 V~ , with LED

5	2 830 97	Silver
5	2 832 97	Pearl
5	2 834 97	Dark Silver

Stand-alone sound distribution system for 1 single room

Kit containing:
- 1 power supply
- 1 tuner
- 2 loudspeakers

1	2 831 80	Silver
1	2 833 80	Pearl
1	2 835 80	Dark Silver

Configurable sound distribution system for several rooms

Modular power supply

1	2 811 81	230 V / 15 V - 15 W 5 DIN modules 17.5 mm

Central units

1	2 831 82	Silver
1	2 833 82	Pearl
1	2 835 82	Dark Silver

Local control units

With LCD display, child surveillance and intercommunication

1	2 831 83	Silver
1	2 833 83	Pearl
1	2 835 83	Dark Silver

Radio tuner with local control units

Dim.: 146 x 86 mm

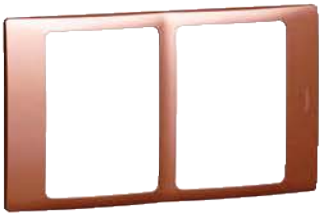
1	2 831 84	Silver
1	2 833 84	Pearl
1	2 835 84	Dark Silver

Loudspeakers

1	2 831 85	Silver
1	2 833 85	Pearl
1	2 835 85	Dark Silver


2 819 65


2 819 78


2 819 76


2 819 62


2 811 92

Plate selection charts **p. 515**

Plates

Pack	Cat.Nos	
		1 gang - plastic
10	2 819 00	White
10	2 819 05	Silver
10	2 819 10	Champagne
10	2 819 50	Pearl
10	2 819 55	Dark Silver
10	2 819 60	Brass
10	2 819 65	Bronze
10	2 819 70	Matt Black
10	2 819 75	Copper
		1 gang - metal
1	2 819 78	Brushed Stainless Steel
1	2 819 82	Gold
1	2 819 86	Polished Stainless Steel
1	2 819 90	Lacquered Black
		2 x 1 gang - plastic
5	2 819 01	White
5	2 819 06	Silver
5	2 819 11	Champagne
5	2 819 51	Pearl
5	2 819 56	Dark Silver
5	2 819 61	Brass
5	2 819 66	Bronze
5	2 819 71	Matt Black
5	2 819 76	Copper
		2 x 1 gang - metal
1	2 819 79	Brushed Stainless Steel
1	2 819 83	Gold
1	2 819 87	Polished Stainless Steel
1	2 819 91	Lacquered Black
		2 gang - Vertical
		For 2 gang vertical DP switch 45 A (p. 508)
5	2 819 02	White
5	2 819 07	Silver
5	2 819 12	Champagne
5	2 819 52	Pearl
5	2 819 57	Dark Silver
5	2 819 62	Brass
5	2 819 67	Bronze
5	2 819 72	Matt Black
5	2 819 77	Copper
1	2 819 80	Brushed Stainless Steel
1	2 819 84	Gold
1	2 819 88	Polished Stainless Steel
1	2 819 92	Lacquered Black

Blanking plates

Pack	Cat.Nos	
		1 gang
10	2 811 90	White
10	2 831 90	Silver
10	2 833 90	Pearl
10	2 835 90	Dark Silver
		2 gang
5	2 811 91	White
5	2 831 91	Silver
5	2 833 91	Pearl
5	2 835 91	Dark Silver

Arteor adaptors

Pack	Cat.Nos	
		1 gang
5	2 811 92	White - Supplied with cover plate
5	2 831 92	Silver - Not supplied with cover plate
5	2 833 92	Pearl - Not supplied with cover plate
5	2 835 92	Dark Silver - Not supplied with cover plate
		2 gang
5	2 811 93	White - Supplied with cover plate
5	2 831 93	Silver - Not supplied with cover plate
5	2 833 93	Pearl - Not supplied with cover plate
5	2 835 93	Dark Silver - Not supplied with cover plate

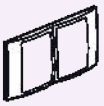
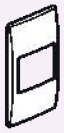
Transparent rockers with label holders for switches

Can be used instead of the standard rocker plates
Supplied with white labels

Pack	Cat.Nos	
5	2 818 95	1 gang
5	2 818 96	2 gang
5	2 818 97	3 gang

Lamps

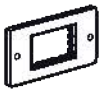
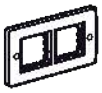
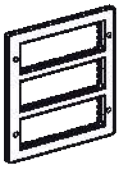
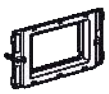
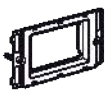
Pack	Cat.Nos	
10	2 819 97	LED 220 V, green low consumption For locator use
10	2 819 98	LED 220 V, red - high luminosity For indicator use

PLATES		 PLATES		 SUPPORT FRAMES AND PLATES FOR MODULAR SOCKET OUTLETS
	1 gang	2 x 1 gang	2 gang	2 gang
White	2 819 00	2 819 01	2 819 02	2 819 30
Silver	2 819 05	2 819 06	2 819 07	2 819 31
Champagne	2 819 10	2 819 11	2 819 12	2 819 32
Pearl	2 819 50	2 819 51	2 819 52	2 819 33
Dark Silver	2 819 55	2 819 56	2 819 57	2 819 34
Brass	2 819 60	2 819 61	2 819 62	2 819 46
Bronze	2 819 65	2 819 66	2 819 67	2 819 47
Matt Black	2 819 70	2 819 71	2 819 72	2 819 48
Copper	2 819 75	2 819 76	2 819 77	2 819 49
Metal Brushed Stainless Steel	2 819 78	2 819 79	2 819 80	2 819 20
Metal Gold	2 819 82	2 819 83	2 819 84	2 819 21
Metal Polished Stainless Steel	2 819 86	2 819 87	2 819 88	2 819 22
Metal Lacquered Black	2 819 90	2 819 91	2 819 92	2 819 23

PLATES	  BLANKING PLATES		  ARTEOR ADAPTORS	
	1 gang	2 x 1 gang	1 gang	2 gang
White	2 811 90	2 811 91	2 811 92	2 811 93
Silver	2 831 90	2 831 91	2 831 92	2 831 93
Pearl	2 833 90	2 833 91	2 833 92	2 833 93
Dark Silver	2 835 90	2 835 91	2 835 92	2 835 93

Synergy™

front plates for Arteor mechanisms

GRID SYSTEM	FRONT PLATES FOR ARTEOR MECHANISMS					
	1 gang for 1 Arteor module	1 gang for 2 Arteor modules	2 gang for 3 Arteor modules	2 gang for 4 Arteor modules	2 x 2 gang for 8 Arteor modules	3 x 3 gang for 18 Arteor modules
FRONT PLATES	**Clip-in carrier plate - No yoke required**				**Yoke required**	
						
Dimensions (mm)	**86 x 86**	**86 x 86**	**86 x 146**	**86 x 146**	**146 x 146**	**267 x 207**
White	7 300 91	7 300 92	7 300 93	7 300 94	7 301 88	7 301 90
Traditional Brushed stainless steel	7 330 91	7 330 92	7 330 93	7 330 94	7 331 88	7 331 90
Traditional Polished stainless steel	7 332 91	7 332 92	7 332 93	7 332 94	-	-
Traditional Satin brass	7 334 91	7 334 92	7 334 93	7 334 94	-	-
Flat plate Antique Brass	7 342 91	7 342 92	7 342 93	7 342 94	-	-
Flat plate Brushed Stainless Steel	7 346 91	7 346 92	7 346 93	7 346 94	-	-
Metalclad	7 338 91(1)	7 338 92(1)	7 338 93(1)	7 338 94(1)	-	-
						
Dimensions (mm)	**89 x 89(2)**	**89 x 89(2)**	**89 x 149(2)**	**89 x 149(2)**	**146 x 146**	**267 x 207**
Modern Silver	7 310 91	7 310 92	7 310 93	7 310 94	-	-
Modern Nickel	7 312 91	7 312 92	7 312 93	7 312 94	-	-
GRID YOKES						
Grid yokes	**No yoke required**				 2 x 7 354 74	 2 x 7 354 76



Arteor mechanisms (p. 360)

Synergy™

single pole switches, single pole push and key switches, rotary dimmers - white


7 300 00


7 300 06


7 301 56

Front plates: white thermoset
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with faceplate screw caps

Pack	Cat.Nos	Single pole plate switches 10 AX - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 16 mm deep ASTA licence **Nominal plate dimensions: 86 x 86 mm**
10	7 300 00	1 gang - 1 way
10	7 300 01	1 gang - 2 way
10	7 300 05	1 gang - intermediate
10	7 300 24	2 gang - 1 way
10	7 300 02	2 gang - 2 way
10	7 301 24	3 gang - 1 way
10	7 300 03	3 gang - 2 way
		Nominal plate dimensions: 86 x 146 mm
5	7 300 04	4 gang - 2 way
5	7 300 06	6 gang - 2 way

Pack	Cat.Nos	Single pole plate switches 20 AX - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 16 mm deep Nominal plate dimensions: 86 x 86 mm
10	7 301 30	1 gang - 1 way
10	7 301 31	1 gang - 2 way
10	7 301 34	2 gang - 1 way
10	7 301 32	2 gang - 2 way
10	7 301 35	3 gang - 1 way
10	7 301 33	3 gang - 2 way

Pack	Cat.Nos	Single pole push switches 10 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 16 mm deep ASTA licence Nominal plate dimensions: 86 x 86 mm
5	7 300 07	1 gang - 2 way push switch
5	7 300 11	1 gang - 2 way push switch marked "PRESS"
5	7 301 07	1 gang - 2 way push switch with bell symbol

Pack	Cat.Nos	Single pole key switch 10 AX - 250 V~
		Conform to BS EN 60669-1: 2000 Key supplied For flush-mounting, back box to be min. 16 mm deep Nominal plate dimensions: 86 x 86 mm
10	7 300 08	1 gang - 2 way

Pack	Cat.Nos	3 pole fan switch 10 A - 250 V~
		Conform to BS EN 60669-1: 2000 With integrated padlockable safety block in OFF position Flush-mounting back box: min 25 mm deep Nominal plate dimensions: 86 x 86 mm
10	7 300 09	3 pole fan switch

Pack	Cat.Nos	Push on/off rotary dimmers 400 W 100 - 240 V~ - 50/60 Hz
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 25 mm deep **Nominal plate dimensions: 86 x 86 mm**
1	7 301 56	1 gang - 2 way
1	7 301 57	2 gang - 2 way
		Nominal plate dimensions: 86 x 146 mm
1	7 300 49	4 gang - 2 way

Pack	Cat.Nos	Push on/off rotary dimmer 1000 W 100-240 V/50-60 Hz
		Conform to BS EN 60669-1 For flush-mounting back box to be min. 40 mm deep 60-1000 W (230 V), 60-500 W(127 V) for incandescent and halogen lamps 60-600 VA (230 V), 60-300 VA (127 V) for halogen lamps with electronic transformers 60-100 VA (230 V) 60-500 VA (127 V) for halogen lamps with ferromagnetic transformers **Nominal plate dimensions: 86 x 86 mm**
1	7 301 50	1 gang

Surface mounting boxes, **p. 521**



Synergy™

double pole switches - white



7 301 10



7 300 22

Front plates: white thermoset
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with faceplate screw caps

Pack	Cat.Nos	Double pole switches 20 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 25 mm deep Use cord outlet accessory box Cat.No 7 300 53 for external cord outlet ASTA licence Nominal plate dimensions: 86 x 86 mm
10	7 300 10	DP switch
10	7 300 12	DP switch + red LED power indicator LED invisible until activated
10	7 301 10	DP switch marked "WATER HEATER"
10	7 301 12	DP switch marked "WATER HEATER" + red LED power indicator LED invisible until activated

Pack	Cat.Nos	Double pole switches 45 A - 250 V~
		Conform to BS EN 60669-1 ASTA licence For flush-mounting, back box to be min. 45 mm deep **Nominal plate dimensions: 86 x 86 mm**
10	7 300 22	DP switch
10	7 300 23	DP switch + red LED power indicator LED invisible until activated
10	7 301 22	DP switch red rocker marked "COOKER"
		Nominal plate dimensions: 146 x 86 mm
5	7 300 20	DP switch
5	7 300 21	DP switch + red LED power indicator LED invisible until activated
5	7 301 20	DP switch red rocker marked "COOKER"

Synergy™

telephone, data and TV sockets - white



7 300 50



7 300 57



7 300 43

Front plates: white thermoset
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with faceplate screw caps

Pack	Cat.Nos	Euro module front plates
		Suitable for use with standard 25 x 50 mm Euro data module inserts
10	7 300 99 N	1 gang - 86 x 86 mm 2 modules - aperture size 50 x 50 mm
10	7 301 00 N	2 gang - 86 x 146 mm 4 modules - aperture size 50 x 100 mm

Pack	Cat.Nos	Telephone sockets
		For flush-mounting, back box to be min. 35 mm deep Nominal plate dimensions: 86 x 86 mm
10	7 300 50	UK master
10	7 300 51	UK secondary
10	7 300 54	RJ 11/RJ 12 - single

Pack	Cat.Nos	Data sockets - Cat. 6
		Rapid cable connection For flush-mounting, back box to be min. 35 mm deep Nominal plate dimensions: 86 x 86 mm
1	7 300 56	RJ 45 - single
1	7 300 57	RJ 45 - twin

Pack	Cat.Nos	Television sockets
		For flush-mounting, back box to be min. 35 mm deep **Nominal plate dimensions: 86 x 86 mm**
10	7 300 40	Screened TV socket single - male
10	7 301 40	Screened TV socket single - female
10	7 301 44	Screened TV socket single pass trough - female
10	7 301 45	Screened TV socket single terminal - female
1	7 300 41	SAT socket single - "F" type
10	7 300 42	TV-R socket
1	7 300 43	TV-R-SAT socket "F" type

Synergy™

British standard socket outlets - white


7 300 65


7 300 60


7 300 70

Front plates: white thermoset
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with faceplate screw caps

Pack	Cat.Nos	Socket outlets 13 A - 250 V~
		Conform to BS 1363: Part. 2 For flush-mounting, back box to be min. 25 mm deep ASTA licence
		Unswitched
10	7 300 65	1 gang Nominal plate dimensions: 86 x 86 mm
5	7 300 75	2 gang Nominal plate dimensions: 86 x 146 mm
		Single pole - switched Fitted with traditional earth pin release shutter and single earth terminal
10	7 300 66	1 gang Nominal plate dimensions: 86 x 86 mm
5	7 300 76	2 gang Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	Socket outlets 13 A - 250 V~ Special earth pin
		For flush-mounting, back box to be min. 25 mm deep
		Double pole - switched
10	7 300 67	1 gang Nominal plate dimensions: 86 x 86 mm
5	7 300 77	2 gang Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	Double pole socket outlets 13 A - 250 V~
		Conform to BS 1363: Part. 2 Patented 3 pin safety shutters mechanism 2 earth terminals For flush-mounting, back box to be min. 25 mm deep ASTA licence
		Switched
10	7 300 60	1 gang Nominal plate dimensions: 86 x 86 mm
5	7 300 70	2 gang Nominal plate dimensions: 86 x 146 mm
		Switched with red LED power indicator LED invisible until activated
10	7 300 61	1 gang Nominal plate dimensions: 86 x 86 mm
5	7 300 71	2 gang Nominal plate dimensions: 86 x 146 mm
		Switched for standard and clean earth applications
10	7 300 64	1 gang Nominal plate dimensions: 86 x 86 mm
5	7 300 74	2 gang Nominal plate dimensions: 86 x 146 mm
		Switched with red rocker
10	7 301 62	1 gang Nominal plate dimensions: 86 x 86 mm
5	7 301 61	2 gang Nominal plate dimensions: 86 x 146 mm

BS plugs, **p. 575**



Synergy™

British standard socket outlets - white (continued)



7 300 89



7 300 69

Front plates: white thermoset
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with faceplate screw caps

Pack	Cat.Nos	Socket outlets 15 A - 250 V~
		Conform to BS 546 Patented 3 pin safety shutters mechanism For flush-mounting, back box to be min. 35 mm deep Nominal plate dimensions: 86 x 86 mm
10	7 300 88	1 gang - unswitched
10	7 300 89	1 gang - switched, single pole

Pack	Cat.Nos	Sockets outlets 15 A - 127 V~
		Standard terminal screws For flush-mounting, back box to be min. 35 mm deep
5	7 300 85	1 gang unswitched Nominal plate dimensions: 86 x 86 mm
5	7 300 86	2 gang unswitched Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	Socket outlets 5 A - 250 V~
		Conform to BS 546 Patented 3 pin safety shutter mechanism For flush-mounting, back box to be min. 25 mm deep Nominal plate dimensions: 86 x 86 mm
10	7 300 68	1 gang - unswitched
10	7 300 69	1 gang - switched, single pole

Pack	Cat.Nos	Socket outlet 2 A - 250 V~
		Conform to BS 546 For flush-mounting, back box to be min. 25 mm deep Nominal plate dimensions: 86 x 86 mm
10	7 300 59	1 gang - unswitched

Synergy™

Euro-US socket outlets and shaver socket - white



7 300 84



7 300 83



For German standard socket outlet use Cat.Nos 7 300 92 + 5 711 18

Front plates: white thermoset
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with faceplate screw caps

Pack	Cat.Nos	Socket outlet combined UK / Euro - US 13 A - 10/16 A
		For flush-mounting, back box to be min. 25 mm deep Nominal plate dimensions: 86 x 86 mm
10	7 300 84	1 gang - unswitched UK - 13 A / EURO-US - 10/16 A - 250 V~

Pack	Cat.Nos	Euro - US socket outlets
		For flush-mounting, back box to be min. 25 mm deep Nominal plate dimensions: 86 x 86 mm 10 A - 127 V~ 16 A - 250 V~
10	7 300 80	1 gang - unswitched
10	7 300 81	2 gang - unswitched
10	7 300 82	1 gang - switched
10	7 300 83	1 gang - unswitched + 10 AX 1 way switch

Pack	Cat.Nos	Shaver socket
		Conform to BS EN 61558-2-5 Suitable for use with European, British and Australian 2 pin plugs Rating: 20 VA IP 24 Screwless live and neutral terminals For flush-mounting, back box to be min. 45 mm deep Nominal plate dimensions: 146 x 86 mm
1	7 300 90	230 V - 120 V~ - 50/60 Hz

Synergy™ - cooker control units, fused connection units and cable outlets - white


7 300 29


7 300 26

Front plates: white thermoset
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with faceplate screw caps

Pack	Cat.Nos	Cooker control units 250 V~
		Conform to BS 4177 For flush-mounting, back box to be min. 45 mm deep Nominal plate dimensions: 86 x 146 mm
5	7 300 28	45 A DP switch + 13 A DP switched socket outlet
5	7 300 29	45 A DP switch + 13 A DP switched socket outlet + red LED power indicator LED invisible until activated
		Fused connection units 13 A - 250 V~
		Conform to BS 1363: Part 4 Fused 13 A (fuse supplied) Front cable outlet with cord grip Locked captive fuse carrier (padlockable) For flush-mounting, back box to be min. 25 mm deep Nominal plate dimensions: 86 x 86 mm
		Unswitched
10	7 300 32	With cord outlet
10	7 300 33	With red LED power indicator LED invisible until activated
		Double pole switched
10	7 300 36	With cord outlet
10	7 300 37	With red LED power indicator and cord outlet LED invisible until activated
		Cable outlets
		Conform to BS 5733 Fitted with cable clamp and outlet membrane Nominal plate dimensions: 86 x 86 mm
		20 A - 250 V~
10	7 300 19	For flush-mounting, back box to be min. 35 mm deep With terminal block
		45 A - 250 V~
5	7 300 26	For flush-mounting, back box to be min. 45 mm deep With terminal block

Synergy™ - blanking plates, accessories and surface mounting boxes - white


7 300 96


7 301 58


7 364 06


7 364 11

Pack	Cat.Nos	Blanking plates
10	7 300 95	1 gang Nominal plate dimensions: 86 x 86 mm
10	7 300 96	2 gang Nominal plate dimensions: 86 x 146 mm
		Accessories
		Electronic LED All relevant Synergy functions are designed to accept the LED packs for fitting at time of installation or retrospectively by qualified person Can be used with fluorescent light
10	7 301 58	Electronic LED locator pack green diodes: max. current 0.2 mA provides illumination to locate function such as switches in low light
10	7 300 58	Electronic LED power indicator pack red diodes: nominal current 2 mA provides indication of "power on" condition in such functions as sockets and control switches
		Cord outlet
10	7 300 53	1 gang box Nominal plate dimensions: 86 x 86 mm
		Surface-mounting moulded boxes
10	7 364 06	1 gang, 35 mm deep 86 x 86 mm
10	7 364 07	1 gang, 50 mm deep and cable grip 86 x 86 mm
5	7 364 10	2 gang, 35 mm deep 86 x 146 mm
5	7 364 11	2 gang, 50 mm deep and cable grip 86 x 146 mm
5	7 364 13	2 x 1 gang, 35 mm deep 86 x 172 mm

Synergy™ Modern

Blending the contemporary style of silver and nickel, Synergy's Modern accessories help create relaxing environments where everyone feels at home

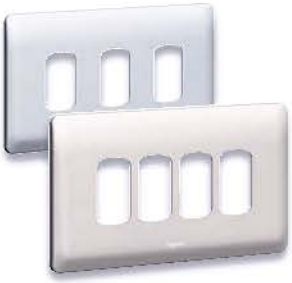
FORM AND FUNCTION IN PERFECT HARMONY

- Contemporary metal plates with hidden screws
- Terminal screws captive and backed off ready for cabling









Silver and Nickel (see opposite)

Grid system (p. 542)

Synergy™

single pole switches - Modern



7 310 00



7 310 02



7 310 07

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	Single pole plate switches 10 AX - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 16 mm deep
		1 gang - 1-way switch Nominal plate dimensions: 89 x 89 mm
1	7 310 00	Silver
1	7 312 00	Nickel
		1 gang - 2-way switch Nominal plate dimensions: 89 x 89 mm
1	7 310 01	Silver
1	7 312 01	Nickel
		1 gang - intermediate switch Nominal plate dimensions: 89 x 89 mm
1	7 310 05	Silver
1	7 312 05	Nickel
		2 gang - 2-way switch Nominal plate dimensions: 89 x 89 mm
1	7 310 02	Silver
1	7 312 02	Nickel
		3 gang - 2-way switch Nominal plate dimensions: 89 x 89 mm
1	7 310 03	Silver
1	7 312 03	Nickel
		4 gang - 2-way switch Nominal plate dimensions: 89 x 149 mm
1	7 310 04	Silver
1	7 312 04	Nickel
		Single pole plate switches 20 AX - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 16 mm deep
		1 gang - 2-way switch Nominal plate dimensions: 89 x 89 mm
1	7 311 31	Silver
1	7 313 31	Nickel
		2 gang - 2-way switch Nominal plate dimensions: 89 x 89 mm
1	7 311 32	Silver
1	7 313 32	Nickel
		Single pole push switches 10 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 16 mm deep
		1 gang - 2-way push switch Nominal plate dimensions: 89 x 89 mm
1	7 310 07	Silver
1	7 312 07	Nickel

Synergy™

dimmers, isolator switches and double pole switches - Modern


7 313 57


7 312 09


7 310 10


7 310 12


7 310 23

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	Push on/off rotary dimmers 400 W 100 - 240 V~ - 50/60 Hz
		Conform to BS EN 60669-1-2 For flush-mounting, back box to be min. 25 mm deep
		1 gang - 2-way Nominal plate dimensions: 89 x 89 mm
1	7 311 56	Silver
1	7 313 56	Nickel
		2 gang - 2-way Nominal plate dimensions: 89 x 89 mm
1	7 311 57	Silver
1	7 313 57	Nickel

Pack	Cat.Nos	3 pole fan switch 10 A - 250 V~
		Conform to BS EN 60669-1: 2000 With integrated padlockable safety block in OFF position Flush mounting back box: min. 25 mm deep Nominal plate dimensions: 86 x 86 mm
10	7 310 09	Silver
10	7 312 09	Nickel

Pack	Cat.Nos	Double pole switches 20 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 25 mm deep
		DP switch Nominal plate dimensions: 89 x 89 mm
1	7 310 10	Silver
1	7 312 10	Nickel
		DP switch + cord outlet + red LED power indicator LED invisible until activated Nominal plate dimensions: 89 x 89 mm
1	7 310 16	Silver
1	7 312 16	Nickel
		DP switch + red LED power indicator LED invisible until activated Nominal plate dimensions: 89 x 89 mm
1	7 310 12	Silver
1	7 312 12	Nickel

Pack	Cat.Nos	Double pole switches 45 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 45 mm deep Red rocker
		DP switch + red LED Led invisible until activated Nominal plate dimensions: 89 x 89 mm
1	7 310 23	Silver
1	7 312 23	Nickel

Synergy™

telephone, data and television sockets - Modern


7 310 50


7 312 54


7 310 57

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	Telephone sockets
		For flush-mounting, back box to be min. 35 mm deep
		UK master
		Nominal plate dimensions: 89 x 89 mm
1	7 310 50	Silver
1	7 312 50	Nickel
		UK secondary
		Nominal plate dimensions: 89 x 89 mm
1	7 310 51	Silver
1	7 312 51	Nickel
		RJ 11 / RJ 12 - single
		Nominal plate dimensions: 89 x 89 mm
1	7 310 54	Silver
1	7 312 54	Nickel

Pack	Cat.Nos	Data sockets Cat. 6
		Rapid cable connection For flush-mounting, back box to be min. 35 mm deep
		RJ 45 - single
		Nominal plate dimensions: 89 x 89 mm
1	7 310 56	Silver
1	7 312 56	Nickel
		RJ 45 - twin
		Nominal plate dimensions: 89 x 89 mm
1	7 310 57	Silver
1	7 312 57	Nickel

Pack	Cat.Nos	Television sockets
		For flush-mounting, back box to be min. 35 mm deep Screened
		TV socket - single male
		Nominal plate dimensions: 89 x 89 mm
1	7 310 40	Silver
1	7 312 40	Nickel
		SAT socket - single "F" type
		Nominal plate dimensions: 89 x 89 mm
1	7 310 41	Silver
1	7 312 41	Nickel

Synergy™

British standard socket outlets - Modern


7 310 60


7 312 61


7 312 71


7 310 89

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	Socket outlets 13 A - 250 V~
		Conform to BS EN 1363: Part. 2 Patented 3 pin safety shutters mechanism 2 earth terminals For flush-mounting, back box to be min. 35 mm deep
		1 gang unswitched Nominal plate dimensions: 89 x 89 mm
1	7 310 65	Silver
1	7 312 65	Nickel
		2 gang unswitched Nominal plate dimensions: 89 x 149 mm
1	7 310 75	Silver
1	7 312 75	Nickel

Pack	Cat.Nos	Double pole socket outlets 13 A - 250 V~
		Conform to BS EN 1363: Part. 2 Patented 3 pin safety shutters mechanism 2 earth terminals Rapid cable connection For flush-mounting, back box to be min. 25 mm deep
		1 gang switched Nominal plate dimensions: 89 x 89 mm
1	7 310 60	Silver
1	7 312 60	Nickel
		1 gang switched with red LED LED invisible until activated Nominal plate dimensions: 89 x 89 mm
1	7 310 61	Silver
1	7 312 61	Nickel
		2 gang switched Nominal plate dimensions: 89 x 149 mm
1	7 310 70	Silver
1	7 312 70	Nickel
		2 gang switched with red LED LED invisible until activated Nominal plate dimensions: 89 x 149 mm
1	7 310 71	Silver
1	7 312 71	Nickel

Pack	Cat.Nos	Socket outlets 15 A - 250 V~
		Conform to BS 546 Patented 3 pin safety shutters mechanism For flush-mounting, back box to be min. 35 mm deep
		1 gang switched Nominal plate dimensions: 89 x 89 mm
1	7 310 89	Silver
1	7 312 89	Nickel

Pack	Cat.Nos	Socket outlets 15 A - 127 V~
		For flush-mounting, back box to be min. 35 mm deep
		1 gang unswitched Nominal plate dimensions: 89 x 89 mm
1	7 310 85	Silver
1	7 312 85	Nickel
		2 gang unswitched Nominal plate dimensions: 89 x 149 mm
1	7 310 86	Silver
1	7 312 86	Nickel

Pack	Cat.Nos	Socket outlets 5 A - 250 V~
		Conform to BS 546 Patented 3 pin safety shutters mechanism For flush-mounting, back box to be min. 25 mm deep
		1 gang unswitched Nominal plate dimensions: 89 x 89 mm
1	7 310 68	Silver
1	7 312 68	Nickel
		1 gang switched Nominal plate dimensions: 89 x 89 mm
1	7 310 69	Silver
1	7 312 69	Nickel

Synergy™

fused connection units - Modern


7 312 30


7 310 33


7 312 34


7 310 35

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	Fused connection units unswitched 13 A - 250 V~
		Conform to BS 1363: Part. 4 Front cable outlet with cord grip Fuses supplied Locked captive fuse carrier (padlockable) For flush-mounting, back box to be min. 25 mm deep
		Unswitched - with cord outlet Nominal plate dimensions: 89 x 89 mm
1	7 310 32	Silver
1	7 312 32	Nickel
		Unswitched - without cord outlet Nominal plate dimensions: 89 x 89 mm
1	7 310 30	Silver
1	7 312 30	Nickel
		Unswitched - with red LED power indicator LED invisible until activated Nominal plate dimensions: 89 x 89 mm
1	7 310 31	Silver
1	7 312 31	Nickel
		Unswitched - with red LED power indicator + cord outlet LED invisible until activated Nominal plate dimensions: 89 x 89 mm
1	7 310 33	Silver
1	7 312 33	Nickel

Pack	Cat.Nos	Fused connection units switched 13 A - 250 V~
		Conform to BS 1363: Part. 4 Front cable outlet with cord grip Fuses supplied Locked captive fuse carrier (padlockable) For flush-mounting, back box to be min. 25 mm deep
		DP switched - without cord outlet Nominal plate dimensions: 89 x 89 mm
1	7 310 34	Silver
1	7 312 34	Nickel
		DP switched - with red LED power indicator LED invisible until activated Nominal plate dimensions: 89 x 89 mm
1	7 310 35	Silver
1	7 312 35	Nickel
		DP switched - with red LED power indicator + cord outlet LED invisible until activated Nominal plate dimensions: 89 x 89 mm
1	7 310 37	Silver
1	7 312 37	Nickel

Synergy™

shaver sockets, cooker control units and cable outlets - Modern



7 310 29



7 312 19

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	Shaver sockets
		Conform to BS EN 61558-2-5 Suitable for use with European, British and Australian 2 pin plugs Rating: 20 VA IP 24 Screwless live and neutral terminals For flush-mounting, back box to be min. 45 mm deep **230 V / 120 V - 50/60 Hz** Nominal plate dimensions: 149 x 89 mm
1	7 310 90	Silver
1	7 312 90	Nickel

Pack	Cat.Nos	Cooker control units - 250 V~
		Conform to BS 4177: 1992 For flush-mounting, back box to be min. 47 mm deep **45 A DP switch + 13 A DP switched socket outlet** Nominal plate dimensions: 89 x 149 mm
1	7 310 29	Silver
1	7 312 29	Nickel

Pack	Cat.Nos	Cable outlets
		Conform to BS 5733 Fitted with clamp and outlet membrane **20 A - 250 V~** Nominal plate dimensions: 89 x 89 mm
1	7 310 19	Silver
1	7 312 19	Nickel
		45 A - 250 V~ Nominal plate dimensions: 89 x 89 mm
1	7 310 26	Silver
1	7 312 26	Nickel

Synergy™

blanking plates, cord outlets - Modern



7 310 95



7 310 52

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	Blanking plates
		1 gang Nominal plate dimensions: 89 x 89 mm
1	7 310 95	Silver
1	7 312 95	Nickel
		2 gang Nominal plate dimensions: 89 x 89 mm
1	7 310 96	Silver
1	7 312 96	Nickel

Pack	Cat.Nos	Cord outlets
		1 gang Nominal plate dimensions: 89 x 89 mm
1	7 310 52	Silver
1	7 312 52	Nickel

Synergy™

single pole switches - Traditional


7 330 00


7 334 02


7 334 07


7 331 56


7 333 57


7 334 09

Slim front plates:
BSS: Electro plated brushed stainless steel with clear epoxy lacquer coating
PSS: Electro plated stainless steel with trivalent chrome for mirror finish
SB: Electro plated stainless steel with electrophoretic satin brass lacquer
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	Single pole plate switches 10 AX - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 16 mm deep
		1 gang - 1-way switch Nominal plate dimensions: 86 x 86 mm
1	7 330 00	Brushed stainless steel
1	7 332 00	Polished stainless steel
1	7 334 00	Satin brass
		1 gang - 2-way switch Nominal plate dimensions: 86 x 86 mm
1	7 330 01	Brushed stainless steel
1	7 332 01	Polished stainless steel
1	7 334 01	Satin brass
		1 gang - intermediate switch Nominal plate dimensions: 86 x 86 mm
1	7 330 05	Brushed stainless steel
1	7 332 05	Polished stainless steel
1	7 334 05	Satin brass
		2 gang - 2-way switch Nominal plate dimensions: 86 x 86 mm
1	7 330 02	Brushed stainless steel
1	7 332 02	Polished stainless steel
1	7 334 02	Satin brass
		3 gang - 2-way switch Nominal plate dimensions: 86 x 86 mm
1	7 330 03	Brushed stainless steel
1	7 332 03	Polished stainless steel
1	7 334 03	Satin brass
		4 gang - 2-way switch Nominal plate dimensions: 86 x 146 mm
1	7 330 04	Brushed stainless steel
1	7 332 04	Polished stainless steel
1	7 334 04	Satin brass

Pack	Cat.Nos	Single pole push switches 10 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 16 mm deep
		1 gang - 2-way push switch Nominal plate dimensions: 86 x 86 mm
1	7 330 07	Brushed stainless steel
1	7 332 07	Polished stainless steel
1	7 334 07	Satin brass

Pack	Cat.Nos	Single pole plate switches 20 AX - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 16 mm deep
		1 gang - 2-way switch Nominal plate dimensions: 86 x 86 mm
1	7 331 31	Brushed stainless steel
1	7 333 31	Polished stainless steel
1	7 335 31	Satin brass
		2 gang - 2-way switch Nominal plate dimensions: 86 x 86 mm
1	7 331 32	Brushed stainless steel
1	7 333 32	Polished stainless steel
1	7 335 32	Satin brass
		3 gang - 2-way switch Nominal plate dimensions: 86 x 86 mm
1	7 331 33	Brushed stainless steel

Pack	Cat.Nos	Push on/off rotary dimmers 400 W 100-240 V~ - 50/60 Hz
		Conform to BS EN 60669-1-2 For flush-mounting, back box to be min. 25 mm deep
		1 gang - 2 way Nominal plate dimensions: 86 x 86 mm
1	7 331 56	Brushed stainless steel
1	7 333 56	Polished stainless steel
1	7 335 56	Satin brass
		2 gang - 2 way Nominal plate dimensions: 86 x 86 mm
1	7 331 57	Brushed stainless steel
1	7 333 57	Polished stainless steel
1	7 335 57	Satin brass

Pack	Cat.Nos	3 pole fan switch 10 A - 250 V~
		Conform to BS EN 60669-1: 2000 With integrated padlockable safety block in OFF position Flush mounting back box: min. 25 mm deep Nominal plate dimensions: 86 x 86 mm
1	7 330 09	Brushed stainless steel
1	7 332 09	Polished stainless steel
1	7 334 09	Satin brass

Synergy™

double pole switches - Traditional


7 332 10


7 334 10


7 330 12


7 330 23

Slim front plates:
BSS: Electro plated brushed stainless steel with clear epoxy satin lacquer coating
PSS: Electro plated stainless steel with trivalent chrome for mirror finish
SB: Electro plated stainless steel with electrophoretic satin brass lacquer
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	Double pole switches 20 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 25 mm deep Use cord outlet accessory Cat.No 7 300 53 (p. 521) for external cord outlet
		Double pole switch Nominal plate dimensions: 86 x 86 mm
1	7 330 10	Brushed stainless steel
1	7 332 10	Polished stainless steel
1	7 334 10	Satin brass
		DP switch + cord outlet + red LED power indicator LED invisible until activated Nominal plate dimensions: 86 x 86 mm
1	7 330 16	Brushed stainless steel
1	7 332 16	Polished stainless steel
1	7 334 16	Satin brass
		DP switch + red LED power indicator LED invisible until activated Nominal plate dimensions: 86 x 86 mm
1	7 330 12	Brushed stainless steel
1	7 332 12	Polished stainless steel
1	7 334 12	Satin brass

Pack	Cat.Nos	Double pole switches 45 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 45 mm deep
		1 gang switch Nominal plate dimensions: 86 x 86 mm
1	7 330 22	Brushed stainless steel
1	7 332 22	Polished stainless steel
		1 gang switch + red LED power indicator LED invisible until activated Nominal plate dimensions: 86 x 86 mm
1	7 330 23	Brushed stainless steel
1	7 332 23	Polished stainless steel
1	7 334 23	Satin brass
		1 gang switch + red LED power indicator large plate LED invisible until activated Nominal plate dimensions: 146 x 86 mm
1	7 330 21	Brushed stainless steel
1	7 332 21	Polished stainless steel
1	7 334 21	Satin brass

Synergy™

telephone, data sockets and television sockets - Traditional


7 330 50


7 334 57


7 332 42


7 330 43

Slim front plates:
BSS: Electro plated brushed stainless steel with clear epoxy satin lacquer coating
PSS: Electro plated stainless steel with trivalent chrome for mirror finish
SB: Electro plated stainless steel with electrophoretic satin brass lacquer
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

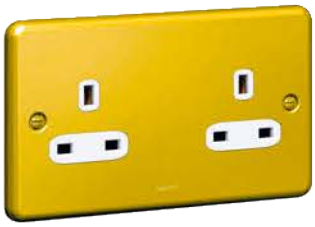
Pack	Cat.Nos	Telephone sockets
		For flush-mounting, back box to be min. 35 mm deep
		UK master
		Nominal plate dimensions: 86 x 86 mm
1	7 330 50	Brushed stainless steel
1	7 332 50	Polished stainless steel
1	7 334 50	Satin brass
		UK secondary
		Nominal plate dimensions: 86 x 86 mm
1	7 330 51	Brushed stainless steel
1	7 332 51	Polished stainless steel
1	7 334 51	Satin brass
		RJ 11/RJ 12 - single
		Nominal plate dimensions: 86 x 86 mm
1	7 330 54	Brushed stainless steel
1	7 332 54	Polished stainless steel
1	7 334 54	Satin brass
		Data sockets Cat. 6
		Rapid cable connection
		For flush-mounting, back box to be min. 35 mm deep
		RJ 45 - single
		Nominal plate dimensions: 86 x 86 mm
1	7 330 56	Brushed stainless steel
1	7 332 56	Polished stainless steel
1	7 334 56	Satin brass
		RJ 45 - twin
		Nominal plate dimensions: 86 x 86 mm
1	7 330 57	Brushed stainless steel
1	7 332 57	Polished stainless steel
1	7 334 57	Satin brass

Pack	Cat.Nos	Television sockets
		For flush-mounting, back box to be min. 35 mm deep
		Screened
		TV socket - single male
		Nominal plate dimensions: 86 x 86 mm
1	7 330 40	Brushed stainless steel
1	7 332 40	Polished stainless steel
1	7 334 40	Satin brass
		SAT socket - single "F" type
		Nominal plate dimensions: 86 x 86 mm
1	7 330 41	Brushed stainless steel
1	7 332 41	Polished stainless steel
1	7 334 41	Satin brass
		TV-R socket
		Nominal plate dimensions: 86 x 86 mm
1	7 330 42	Brushed stainless steel
1	7 332 42	Polished stainless steel
		TV-R-SAT socket - "F" type
		Nominal plate dimensions: 86 x 86 mm
1	7 330 43	Brushed stainless steel
1	7 332 43	Polished stainless steel
1	7 334 43	Satin brass

Synergy™

British standard socket outlets - Traditional


7 330 65


7 334 75


7 332 60


7 330 89


7 334 69


7 332 59

Slim front plates:
BSS: Electro plated brushed stainless steel with clear epoxy satin lacquer coating
PSS: Electro plated stainless steel with trivalent chrome for mirror finish
SB: Electro plated stainless steel with electrophoretic satin brass lacquer
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Socket outlets 13 A - 250 V~

Conform to BS 1363: Part. 2
Patented 3 pin safety shutters mechanism
2 earth terminals
For flush-mounting, back box to be min. 25 mm deep

1 gang unswitched
Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 65	Brushed stainless steel
1	7 332 65	Polished stainless steel
1	7 334 65	Satin brass

2 gang unswitched
Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	
1	7 330 75	Brushed stainless steel
1	7 332 75	Polished stainless steel
1	7 334 75	Satin brass

Double pole socket outlets 13 A - 250 V~

Conform to BS 1363: Part. 2
Patented 3 pin safety shutters mechanism,
2 earth terminals
For flush-mounting, back box to be min. 25 mm deep

1 gang switched
Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 60	Brushed stainless steel
1	7 332 60	Polished stainless steel
1	7 334 60	Satin brass

1 gang switched with red LED power indicator
LED invisible until activated
Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 61	Brushed stainless steel
1	7 332 61	Polished stainless steel
1	7 334 61	Satin brass

2 gang switched
Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	
1	7 330 70	Brushed stainless steel
1	7 332 70	Polished stainless steel
1	7 334 70	Satin Abrass

2 gang switched with red LED power indicator
LED invisible until activated
Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	
1	7 330 71	Brushed stainless steel
1	7 332 71	Polished stainless steel
1	7 334 71	Satin brass

2 gang switched outboard for standard and clean earth applications
Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	
1	7 330 74	Brushed stainless steel
1	7 332 74	Polished stainless steel
1	7 334 74	Satin brass

Socket outlets 15 A - 250 V~

Conform to BS 546
Patented 3 pin safety shutters mechanism,
For flush-mounting, back box to be min. 35 mm deep

1 gang unswitched
Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 88	Brushed stainless steel

1 gang switched - single pole
Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 89	Brushed stainless steel
1	7 332 89	Polished stainless steel
1	7 334 89	Satin brass

Socket outlets 15 A - 127 V~

For flush-mounting, back box to be min. 35 mm deep

1 gang
Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 85	Brushed stainless steel
1	7 332 85	Polished stainless steel
1	7 334 85	Satin brass

2 gang
Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	
1	7 330 86	Brushed stainless steel
1	7 332 86	Polished stainless steel
1	7 334 86	Satin brass

Socket outlets 5 A - 250 V~

Conform to BS 546
Patented 3 pin safety shutters mechanism,
For flush-mounting, back box to be min. 25 mm deep

1 gang unswitched
Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 68	Brushed stainless steel
1	7 332 68	Polished stainless steel
1	7 334 68	Satin brass

1 gang switched - single pole
Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	
1	7 330 69	Brushed stainless steel
1	7 332 69	Polished stainless steel
1	7 334 69	Satin brass

Socket outlets 2 A - 250 V~

Conform to BS 546
For flush-mounting, back box to be min. 25 mm deep

1 gang unswitched
Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 59	Brushed stainless steel
1	7 332 59	Polished stainless steel
1	7 334 59	Satin brass

Synergy™

fused connection units, RCD sockets and cooker control units - Traditional


7 330 32


7 334 37


7 332 97


7 332 29

Slim front plates:
BSS: Electro plated brushed stainless steel with clear epoxy satin lacquer coating
PSS: Electro plated stainless steel with trivalent chrome for mirror finish
SB: Electro plated stainless steel with electrophoretic satin brass lacquer
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Pack	Cat.Nos	**Fused connection units 13 A - 250 V~**
		Conform to BS 1363: Part. 4 Front cable outlet with cord grip Locked captive fuse carrier (padlockable) For flush-mounting, back box to be min. 25 mm deep
		Unswitched with cord outlet Nominal plate dimensions: 86 x 86 mm
1	7 330 32	Brushed stainless steel
1	7 332 32	Polished stainless steel
1	7 334 32	Satin brass
		Unswitched without cord outlet Nominal plate dimensions: 86 x 86 mm
1	7 330 30	Brushed stainless steel
1	7 332 30	Polished stainless steel
1	7 334 30	Satin brass
		Unswitched with red LED power indicator Nominal plate dimensions: 86 x 86 mm
1	7 330 31	Brushed stainless steel
1	7 332 31	Polished stainless steel
1	7 334 31	Satin brass
		Unswitched with red LED power indicator + cord outlet Nominal plate dimensions: 86 x 86 mm
1	7 330 33	Brushed stainless steel
1	7 332 33	Polished stainless steel
1	7 334 33	Satin brass
		DP switched without cord outlet Nominal plate dimensions: 86 x 146 mm
1	7 330 34	Brushed stainless steel
1	7 332 34	Polished stainless steel
1	7 334 34	Satin brass
		DP switched with red LED power indicator Nominal plate dimensions: 86 x 146 mm
1	7 330 35	Brushed stainless steel
1	7 332 35	Polished stainless steel
1	7 334 35	Satin brass
		DP switched with red LED power indicator + cord outlet Nominal plate dimensions: 86 x 146 mm
1	7 330 37	Brushed stainless steel
1	7 332 37	Polished stainless steel
1	7 334 37	Satin brass

Pack	Cat.Nos	**RCD sockets 13 A - 250 V~**
		Conform to BS 7288 and BS 1363: Part. 2 Maximum operating current 16 A Incorporates a «test and reset» button For flush-mounting, back box to be min. 25 mm deep
		2 gang - DP 30 mA **Active: Electrical latching trips on power failure** Nominal plate dimensions: 86 x 146 mm
1	7 330 97	Brushed stainless steel
1	7 332 97	Polished stainless steel
1	7 334 97	Satin brass
		2 gang - DP 30 mA **Passive: Mechanical latching does not trip on power failure** Nominal plate dimensions: 86 x 146 mm
1	7 330 98	Brushed stainless steel
1	7 332 98	Polished stainless steel
1	7 334 98	Satin brass

Pack	Cat.Nos	**Cooker control units - 250 V~**
		Conform to BS 4177: 1992 For flush-mounting, back box to be min. 47 mm deep
		45 A DP switch + 13 A DP switched socket outlet with red LED power indicator Nominal plate dimensions: 86 x 146 mm
1	7 330 29	Brushed stainless steel
1	7 332 29	Polished stainless steel
1	7 334 29	Satin brass

Synergy™

shaver sockets, cable outlets, blanking plates and cord outlets - Traditional


7 332 90


7 330 19


7 334 95


7 332 96


7 332 52

Slim front plates:
BSS: Electro plated brushed stainless steel with clear epoxy satin lacquer coating
PSS: Electro plated stainless steel with trivalent chrome for mirror finish
SB: Electro plated stainless steel with electrophoretic satin brass lacquer
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space

Shaver sockets

Conform to BS EN 61558-2-5
Suitable for use with European, British and Australian 2 pin plugs
Rating: 20 VA
IP 24
Screwless live and neutral terminals
For flush-mounting, back box to be min. 45 mm deep

230/120 V~ - 50/60 Hz

Nominal plate dimensions: 146 x 86 mm

Pack	Cat.Nos	
1	7 330 90	Brushed stainless steel
1	7 332 90	Polished stainless steel
1	7 334 90	Satin brass



Cable outlets

Conform to BS 5733
Fitted clamp and outlet membrane
With terminal block

20 A - 250 V~

Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 19	Brushed stainless steel
1	7 332 19	Polished stainless steel
1	7 334 19	Satin brass



45 A - 250 V~

Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 26	Brushed stainless steel
1	7 332 26	Polished stainless steel
1	7 334 26	Satin brass



Blanking plates

1 gang

Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 95	Brushed stainless steel
1	7 332 95	Polished stainless steel
1	7 334 95	Satin brass



2 gang

Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	
1	7 330 96	Brushed stainless steel
1	7 332 96	Polished stainless steel
1	7 334 96	Satin brass



Cord outlets

1 gang

Nominal plate dimensions: 86 x 86 mm

Pack	Cat.Nos	
1	7 330 52	Brushed stainless steel
1	7 332 52	Polished stainless steel
1	7 334 52	Satin brass



Synergy™ Flat plate



In today's world of shrinking proportions, the key trend is towards slenderness and simplicity of design

With a true flat plate design, the latest addition to the Synergy family is simply stunning...Whichever way you look at it

FROM A SINGLE SWITCH TO MULTI-FUNCTION MODULAR SOLUTIONS

ELEGANT PROFILE

- A true flat plate design
- High quality components and advanced manufacturing techniques
- Available in grid modules version for more complex installations



Antique brass



Brushed stainless steel



Grid modules, p. 542

Synergy™

single pole switches and dimmers - Flat plate


7 343 31


7 343 32


7 342 47

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with transparent protection cover and 4 fixing screws (2 long and 2 short screws)

Pack	Cat.Nos	Single pole plate switches 20 AX - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 35 mm deep
		1 gang - 2-way switch Nominal plate dimensions: 86 x 86 mm
1	7 343 31	Antique Brass
1	7 347 31	Brushed stainless steel
		2 gang - 2-way switch Nominal plate dimensions: 86 x 86 mm
1	7 343 32	Antique Brass
1	7 347 32	Brushed stainless steel
		3 gang - 2-way switch Nominal plate dimensions: 86 x 86 mm
1	7 343 33	Antique Brass
1	7 347 33	Brushed stainless steel
		4 gang - 2-way switch Nominal plate dimensions: 86 x 146 mm
1	7 343 34	Antique Brass
1	7 347 34	Brushed stainless steel

Pack	Cat.Nos	Single pole push switches 10 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 35 mm deep
		1 gang - 2-way push switch Nominal plate dimensions: 86 x 86 mm
1	7 342 07	Antique Brass
1	7 346 07	Brushed stainless steel

Pack	Cat.Nos	Push on/off rotary dimmers 400 W 250 V~ - 50/60 Hz
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 35 mm deep
		1 gang - 2 way Nominal plate dimensions: 86 x 86 mm
1	7 342 46	Antique Brass
1	7 346 46	Brushed stainless steel
		2 gang - 2 way Nominal plate dimensions: 86 x 86 mm
1	7 342 47	Antique Brass
1	7 346 47	Brushed stainless steel

Synergy™

double pole switches - Flat plate


7 346 12


7 342 23

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with transparent protection cover and 4 fixing screws (2 long and 2 short screws)

Pack	Cat.Nos	Double pole switches 20 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 35 mm deep Supplied with 1 gang frame (3 mm thick) Cat.No 7341 98 in case of extra wiring space needed
		DP switch Nominal plate dimensions: 86 x 86 mm
1	7 342 10	Antique Brass
1	7 346 10	Brushed stainless steel
		DP switch + cord outlet Nominal plate dimensions: 86 x 86 mm
1	7 346 14	Brushed stainless steel
		DP switch + cord outlet + red LED power indicator Nominal plate dimensions: 86 x 86 mm
1	7 342 16	Antique Brass
		DP switch + red LED power indicator Nominal plate dimensions: 86 x 86 mm
1	7 342 12	Antique Brass
1	7 346 12	Brushed stainless steel

Pack	Cat.Nos	Double pole switches 45 A - 250 V~
		Conform to BS EN 60669-1 For flush-mounting, back box to be min. 47 mm deep Red rocker
		DP switch + red LED power indicator Nominal plate dimensions: 86 x 86 mm
1	7 342 23	Antique Brass
1	7 346 23	Brushed stainless steel

Synergy™

telephone, data sockets and television sockets - Flat plate


7 342 54


7 346 57


7 346 40


7 342 43

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with transparent protection cover and 4 fixing screws (2 long and 2 short screws)

Telephone sockets

For flush-mounting, back box to be min. 35 mm deep
White rocker

Pack	Cat.Nos	
		UK master
		Nominal plate dimensions: 86 x 86 mm
1	7 342 50	Antique Brass
1	7 346 50	Brushed stainless steel
		UK secondary
		Nominal plate dimensions: 86 x 86 mm
1	7 342 51	Antique Brass
1	7 346 51	Brushed stainless steel
		RJ 11 / RJ 12 - single
		Nominal plate dimensions: 86 x 86 mm
1	7 342 54	Antique Brass
1	7 346 54	Brushed stainless steel

Data sockets Cat. 6

Rapid cable connection
For flush-mounting, back box to be min. 35 mm deep

Pack	Cat.Nos	
		RJ 45 - single
		Nominal plate dimensions: 86 x 86 mm
1	7 342 56	Antique Brass
1	7 346 56	Brushed stainless steel
		RJ 45 - twin
		Nominal plate dimensions: 86 x 86 mm
1	7 342 57	Antique Brass
1	7 346 57	Brushed stainless steel

Television sockets

For flush-mounting, back box to be min. 35 mm deep
Screened

Pack	Cat.Nos	
		TV sockets - single male
		Nominal plate dimensions: 86 x 86 mm
1	7 342 40	Antique Brass
1	7 346 40	Brushed stainless steel
		SAT sockets - single "F" type
		Nominal plate dimensions: 86 x 86 mm
1	7 342 41	Antique Brass
1	7 346 41	Brushed stainless steel
		TV-R-SAT sockets - "F" type
		Nominal plate dimensions: 86 x 86 mm
1	7 342 43	Antique Brass
1	7 346 43	Brushed stainless steelt

Synergy™

British standard socket outlets - Flat plate


7 346 75


7 342 61


7 346 89


7 342 59

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with transparent protection cover and 4 fixing screws (2 long and 2 short screws)

Pack	Cat.Nos	Socket outlets 13 A - 250 V~
		Conform to BS EN 1363: Part. 2 Patented 3 pin safety shutters mechanism 2 earth terminals For flush-mounting, back box to be min. 35 mm deep
		1 gang unswitched Nominal plate dimensions: 86 x 86 mm
1	7 342 65	Antique Brass
1	7 346 65	Brushed stainless steel
		2 gang unswitched Nominal plate dimensions: 86 x 146 mm
1	7 342 75	Antique Brass
1	7 346 75	Brushed stainless steel

Pack	Cat.Nos	Double pole socket outlets 13 A - 250 V~
		Conform to BS EN 1363: Part. 2 Patented 3 pin safety shutters mechanism 2 earth terminals For flush-mounting, back box to be min. 35 mm deep
		1 gang switched Nominal plate dimensions: 86 x 86 mm
1	7 342 60	Antique Brass
1	7 346 60	Brushed stainless steel
		1 gang switched with red LED power indicator Nominal plate dimensions: 86 x 86 mm
1	7 342 61	Antique Brass
1	7 346 61	Brushed stainless steel
		2 gang switched Nominal plate dimensions: 86 x 146 mm
1	7 342 70	Antique Brass
1	7 346 70	Brushed stainless steel
		2 gang switched with red LED power indicator Nominal plate dimensions: 86 x 146 mm
1	7 342 71	Antique Brass
1	7 346 71	Brushed stainless steel

Pack	Cat.Nos	Socket outlets 15 A - 250 V~
		Conform to BS 546 Patented 3 pin safety shutters mechanism For flush-mounting, back box to be min. 35 mm deep
		1 gang switched Nominal plate dimensions: 86 x 86 mm
1	7 342 89	Antique Brass
1	7 346 89	Brushed stainless steel

Pack	Cat.Nos	Socket outlets 5 A - 250 V~
		Conform to BS 546 Patented 3 pin safety shutters mechanism For flush-mounting, back box to be min. 25 mm deep
		1 gang switched Nominal plate dimensions: 86 x 86 mm
1	7 342 69	Antique Brass
1	7 346 69	Brushed stainless steel

Pack	Cat.Nos	Socket outlets 2 A - 250 V~
		Conform to BS 546 For flush-mounting, back box to be min. 25 mm deep
		1 gang unswitched Nominal plate dimensions: 86 x 86 mm
1	7 342 59	Antique Brass
1	7 346 59	Brushed stainless steel



7 346 37



7 346 90



7 342 19

Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with transparent protection cover and 4 fixing screws (2 long and 2 short screws)

Pack	Cat.Nos	Fused connection units unswitched 13 A - 250 V~
		Conform to BS 1363: Part. 4 Front cable outlet with cord grip Fuses supplied Locked captive fuse carrier (padlockable) For flush-mounting, back box to be min. 35 mm deep Supplied with 2 gang frame Cat.No 7 341 99 (3 mm thick) in case of extra wiring space needed
		Unswitched - with cord outlet Nominal plate dimensions: 86 x 86 mm
1	7 342 32	Antique Brass
1	7 346 32	Brushed stainless steel
		DP switched - without cord outlet Nominal plate dimensions: 86 x 86 mm
1	7 342 34	Antique Brass
1	7 346 34	Brushed stainless steel
		DP switched - with red LED power indicator + cord outlet Nominal plate dimensions: 86 x 86 mm
1	7 342 37	Antique Brass
1	7 346 37	Brushed stainless steel

		Shaver sockets
		Conform to BS EN 61558-2-5 suitable for use with European, British, American and Australian 2 pin plugs Rating: 20 VA IP 24 Screwless live and neutral terminals For flush-mounting, back box to be min. 45 mm deep Supplied with 2 gang frame Cat.No 7 341 99 (3 mm thick) in case of extra wiring space needed
		230 V / 120 V - 50/60 Hz Nominal plate dimensions: 146 x 86 mm
1	7 342 90	Antique Brass
1	7 346 90	Brushed stainless steel

Pack	Cat.Nos	Cooker control units - 250 V~
		Conform to BS 4177: 1992 For flush-mounting, back box to be min 47 mm deep
		45 A DP switch + 13 A DP switched socket outlet Nominal plate dimensions: 86 x 146 mm
1	7 342 29	Antique Brass
1	7 346 29	Brushed stainless steel

		Cable outlets
		Conform to BS 5733 Fitted with clamp and outlet membrane With terminal block
		20 A - 250 V~ Nominal plate dimensions: 86 x 86 mm
1	7 342 19	Antique Brass
1	7 346 19	Brushed stainless steel
		45 A - 250 V~ Nominal plate dimensions: 86 x 86 mm
1	7 342 26	Antique Brass
1	7 346 26	Brushed stainless steel

Synergy™

blanking plates, cord outlets and accessories - Flat plate



7 342 96



7 346 52

Terminal screws captive and backed off ready for cabling - large angled terminal entries. Compact mechanism for maximised wiring space
Supplied with transparent protection cover and 4 fixing screws (2 long and 2 short screws)

Pack	Cat.Nos	Blanking plates
		1 gang
		Nominal plate dimensions: 86 x 86 mm
1	7 342 95	Antique Brass
1	7 346 95	Brushed stainless steel
		2 gang
		Nominal plate dimensions: 86 x 146 mm
1	7 342 96	Antique Brass
1	7 346 96	Brushed stainless steel
		Cord outlets
		1 gang
		Nominal plate dimensions: 86 x 86 mm
1	7 342 52	Antique Brass
1	7 346 52	Brushed stainless steel
		Accessories
		Side extension frames
		3 mm thick frames to be used when extra wiring space is needed
10	7 341 98	1 gang frame
10	7 341 99	2 gang frame
		Screw extension kit
1	7 341 90	To be used when the installation depth of the flushmounting box is too big (i.e. walls with marble or ceramic finish) Kit comprising: - 20 pre-assembled rods-short - 2 threaded rods

Synergy™ Metalclad

A perfect flush fit with their surface mounting back boxes, the ideal solution for simple rugged performance

DESIGNED TO TAKE THE ROUGH WITH THE SMOOTH

- All functions are available from switches to socket outlets or data sockets
- Available in grid modules for more complex installations cabling







Metalclad, p. 540

Grid system p. 542



7 338 00 | 7 338 03 | 7 338 21 | 7 338 40 | 7 338 41 | 7 338 57

Front plates: grey epoxy coated steel
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Supplied complete with close fit 43 mm deep surface-mounting back box

Pack	Cat.Nos	Single pole plate switches 10 AX - 250 V~
		Conform to BS EN 60669-1: 2000 Flush-mounting back box: min. 16 mm deep Nominal plate dimensions: 86 x 86 mm
5	7 338 00	1 gang - 1-way
5	7 338 01	1 gang - 2-way
5	7 338 05	1 gang - intermediate
5	7 338 02	2 gang - 2-way
5	7 338 03	3 gang - 2-way

Pack	Cat.Nos	Double pole switches 20 A - 250 V~
		Conform to BS EN 60669-1: 2000 Flush-mounting back box: min. 25 mm deep Nominal plate dimensions: 86 x 86 mm
5	7 338 10	DP switch
5	7 338 16	DP switch with cord outlet + red LED power indicator
5	7 338 12	DP switch + red LED power indicator

Pack	Cat.Nos	Double pole switch 45 A - 250 V~
		Conforms to BS EN 60669-1: 2000 Red rocker Flush-mounting back box: min. 48 mm deep Nominal plate dimensions: 146 x 86 mm
5	7 338 21	DP switch + red power indicator

Pack	Cat.Nos	Television sockets
		Flush-mounting back box: min. 35 mm deep Nominal plate dimensions: 86 x 86 mm
5	7 338 40	Screened TV - single, male
1	7 338 41	Screened satellite - single, "F" type

Pack	Cat.Nos	Telephone sockets
		Flush-mounting back box: min. 35 mm deep Nominal plate dimensions: 86 x 86 mm
5	7 338 50	Single master
5	7 338 51	Single secondary

Pack	Cat.Nos	Data sockets Cat. 6
		Rapid cable connection Flush-mounting back box: min. 35 mm deep Nominal plate dimensions: 86 x 86 mm
1	7 338 56	RJ 45 - single
1	7 338 57	RJ 45 - twin

Pack	Cat.Nos	Blanking plates
5	7 338 95	1 gang Nominal plate dimensions: 86 x 86 mm
5	7 338 96	2 gang Nominal plate dimensions: 86 x 146 mm

Pack	Cat.Nos	Cable outlet 20 A - 250 V~
		Conforms to BS 5733: 1995 Flush-mounting back box: min. 25 mm deep Nominal plate dimensions: 86 x 86 mm
5	7 338 19	20 A - with terminal block and outlet gland

Synergy™

British standard socket outlets, RCD sockets and fused connection units - Metalclad


7 338 65

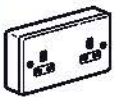

7 338 71

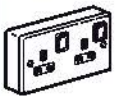
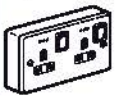

7 338 89


7 338 34

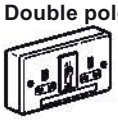
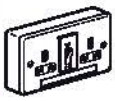

7 338 37

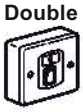
Front plates: grey epoxy coated steel
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Supplied complete with close fit 43 mm deep surface-mounting back box

Pack	Cat.Nos	Socket outlets 13 A - 250 V~	
		Conform to BS 1363 - Part 2: 1995 Patented 3 pin safety shutters mechanism 2 earth terminals Flush-mounting back box: min. 25 mm deep	
5	7 338 65	1 gang - unswitched Nominal plate dimensions: 86 x 86 mm	
5	7 338 75	2 gang - unswitched Nominal plate dimensions: 86 x 146 mm	

Pack	Cat.Nos	Double pole socket outlets 13 A - 250 V~	
		Conform to BS 1363 - Part 2: 1995 Patented 3 pin safety shutters mechanism 2 earth terminals Flush-mounting back box: min. 25 mm deep	
		Switched	
5	7 338 60	1 gang Nominal plate dimensions: 86 x 86 mm	
5	7 338 70	2 gang Nominal plate dimensions: 86 x 146 mm	
		Switched with red LED power indicator	
5	7 338 61	1 gang Nominal plate dimensions: 86 x 86 mm	
5	7 338 71	2 gang Nominal plate dimensions: 86 x 146 mm	

Pack	Cat.Nos	Socket outlets 15 A - 250 V~	
		Conform to BS 546: 1950 Patented 3 pin safety shutter mechanism Flush-mounting back box: min. 35 mm deep Nominal plate dimensions: 86 x 86 mm	
5	7 338 88	1 gang - unswitched	
5	7 338 89	1 gang - switched	

Pack	Cat.Nos	RCD sockets 13 A - 250 V~	
		Conform to BS 7288: 1990 and BS 1363 - Part 2: 1995 Maximum operating current 16 A Incorporate a "test and reset" button Flush-mounting back box: min. 25 mm deep RCD unit 2 gang DP 30 mA Nominal plate dimensions: 86 x 146 mm	
		Double pole switched	
1	7 338 97	Active Electrical latching - trips on power failure	
1	7 338 98	Passive Mechanical latching - does NOT trip on power failure	

Pack	Cat.Nos	Fused connection units 13 A - 250 V~	
		Conform to BS 1363 - Part 4: 1995 Fused 13 A (fuse supplied) Fuse drawer retained by quarter turn catch, drawer padlockable in open position for safety Flush-mounting back box: min. 25 mm deep Nominal plate dimensions: 86 x 86 mm	
		Double pole switched	
5	7 338 34	Without cord outlet	
5	7 338 35	With red LED power indicator	
5	7 338 36	With cord outlet	
5	7 338 37	With cord outlet + red LED power indicator	
		Unswitched	
5	7 338 30	Without cord outlet	
5	7 338 31	With red LED power indicator	
5	7 338 32	With cord outlet	
5	7 338 33	With cord outlet + red LED power indicator	

GRID MODULES	ARCHITRAVES		FRONT PLATES WITH SMALL APERTURES			
	1 gang	2 gang	1 gang		2 gang	
	1 module	2 modules	1 module	2 modules	3 modules	4 modules
						
Dimensions (mm)	**86 x 36**	**146 x 36**	**86 x 86**	**86 x 86**	**86 x 146**	**86 x 146**
White	7 301 80	7 301 81	7 301 91	7 301 92	7 301 93	7 301 94
Traditional Brushed stainless steel	7 331 80	7 331 81	7 331 91	7 331 92	7 331 93	7 331 94
Traditional Polished stainless steel	7 333 80	7 333 81	7 333 91	7 333 92	7 333 93	7 333 94
Traditional Satin brass	7 335 80	7 335 81	7 335 91	7 335 92	7 335 93	7 335 94
Flat plate Antique Brass	-	-	7 343 91(1)	7 343 92(1)	7 343 93(1)	7 343 94(1)
Flat plate Brushed Stainless Steel	-	-	7 347 91(1)	7 347 92(1)	7 347 93(1)	7 347 94(1)
Metalclad	-	-	7 339 91	7 339 92	7 339 93	7 339 94
						
Dimensions (mm)	-	-	**89 x 89**	**89 x 89**	**89 x 149**	**89 x 149**
Modern Silver	-	-	7 311 91	7 311 92	7 311 93	7 311 94
Modern Nickel	-	-	7 313 91	7 313 92	7 313 93	7 313 94
GRID YOKES						
						
For White, Traditional and Metalclad	1 x 7 354 95	1 x 7 354 96	1 x 7 354 90	1 x 7 354 91	1 x 7 354 92	1 x 7 354 92
For Modern	-	-	1 x 7 354 81	1 x 7 354 81	1 x 7 354 82	1 x 7 354 82
BOXES						
Flush-mounting						
Flush-mounting with phase barriers						
Surface-mounting, steel with knockouts						
Surface-mounting, steel without knockouts						
Surface-mounting, metal with knockouts	-	-	7 364 00	7 364 00	7 364 01	7 364 01

Example of association:



1: Yokes supplied with front plate

FRONT PLATES WITH SMALL APERTURES

	2 x 2 gang		3 x 2 gang		3 x 3 gang	4 x 3 gang
	6 modules	8 modules	9 modules	12 modules	18 modules	24 modules
						
	146 x 146	**146 x 146**	**207 x 146**	**207 x 146**	**267 x 206**	**267 x 206**
	7 301 82	7 301 83	7 301 84	7 301 85	7 301 86	7 301 87
	7 331 82	7 331 83	7 331 84	7 331 85	7 331 86	7 331 87
	7 333 82	7 333 83	7 333 84	7 333 85	7 333 86	7 333 87
	7 335 82	7 335 83	7 335 84	7 335 85	7 335 86	7 335 87
	7 343 82[1]	7 343 83[1]	-	-	-	-
	7 347 82[1]	7 347 83[1]	-	-	-	-
	7 339 82	7 339 83	7 339 84	7 339 85	7 339 86	7 339 87
						
	146 x 146	**146 x 146**				
	7 311 82	7 311 83	-	-	-	-
	7 313 82	7 313 83	-	-	-	-
						
	2 x 7 354 92	2 x 7 354 92	3 x 7 354 92	3 x 7 354 92	3 x 7 354 93	3 x 7 354 93
	2 x 7 354 92	2 x 7 354 92	3 x 7 354 92	3 x 7 354 92	3 x 7 354 93	3 x 7 354 93
	0 818 52	0 818 52	0 818 53	0 818 53	0 818 54	0 818 55
	-	-	0 818 57	0 818 57	-	-
	7 364 18	7 364 18	7 364 28	7 364 28	-	-
	7 364 22	7 364 22	7 364 32	7 364 32	-	-

Synergy™ Grid system total flexibility and choice

A vast selection of function modules, matching contoured rockers and a selection of rocker markings

UNRIVALLED VERSATILITY WITHOUT COMPROMISING ON STYLE

- Contemporary metal plates with hidden screws
- Terminal screws captive and backed off ready for cabling



For grid modules p. 544



For Arteor mechanisms p. 360

Synergy™

Grid modules - decorative rockers



7 395 04



7 395 03



7 398 24



7 398 64

Front plate selection charts **p. 542**

Pack	Cat.Nos	
		Single pole switches 10 AX - 250 V~
		1-way switch
10	7 395 04	Modern Silver
10	7 395 03	Modern Nickel
1	7 398 24	Flat plate Antique brass
1	7 398 64	Flat plate Brushed Stainless Steel
		2-way switch
10	7 395 08	Modern Silver
10	7 395 07	Modern Nickel
1	7 398 28	Flat plate Antique brass
1	7 398 68	Flat plate Brushed Stainless Steel
		Intermediate switch
10	7 395 01	Modern Silver
10	7 395 00	Modern Nickel
1	7 398 21	Flat plate Antique brass
1	7 398 61	Flat plate Brushed Stainless Steel
		Single pole switches 20 AX - 250 V~
		1-way switch
10	7 396 79	Modern Silver
10	7 396 80	Modern Nickel
1	7 398 39	Flat plate Antique brass
1	7 398 79	Flat plate Brushed Stainless Steel
		2-way switch
10	7 396 83	Modern Silver
10	7 396 82	Modern Nickel
1	7 398 33	Flat plate Antique brass
1	7 398 73	Flat plate Brushed Stainless Steel
		2-way retractive centre off switch
10	7 396 92	Modern Nickel
1	7 398 23	Flat plate Antique brass
1	7 398 63	Flat plate Brushed Stainless Steel

Synergy™

Grid modules - white and anthracite rockers without marking


7 354 00


7 355 00


7 354 21


7 355 21


7 355 48


7 354 47


7 354 50


7 353 65

Front plate selection charts **p. 542**

Single pole switches 10 AX - 250 V~

Pack	White	Anthracite	
			Conform to BS EN 60669-1
10	7 354 00	7 355 00	1 way
10	7 354 01	7 355 01	1 way + neon
10	7 354 03	7 355 03	2 way
10	7 354 07	7 355 07	Intermediate
10	7 354 05	7 355 05	2-way push switch
10	7 354 06	7 355 06	2-way push switch marked "BELL"

Single pole switches 20 AX - 250 V~

Pack	White	Anthracite	
			Conform to BS EN 60669-1
10	7 354 10	7 355 10	1 way
10	7 354 11	7 355 11	1 way + neon
10	7 354 12	7 355 12	2 way
10	7 354 18	7 355 18	Intermediate
10	7 354 13	7 355 13	2-way centre off
10	7 354 14	7 355 14	2-way retractive centre off
10	7 354 15	7 355 15	2-way push switch

Single pole key switches 20 AX - 250 V~

Pack	White	Anthracite	
			Conform to BS EN 60669-1 Key supplied
10	7 354 16	7 355 16	2-way
10	7 354 17	7 355 17	2-way retractive centre off

Double pole switches 20 AX - 250 V~

Pack	White	Anthracite	
			Conform to BS EN 60669-1
10	7 354 20	7 355 20	Switch
10	7 354 21	7 355 21	Switch + neon
10	7 354 22	7 355 22	Push to make
10	7 354 25	7 355 25	Push to break

Double pole key switches 20 AX - 250 V~

Pack	White	Anthracite	
			Conform to BS EN 60669-1 Key supplied
10	7 354 23	7 355 23	Key switch
10	7 354 24	7 355 24	Key switch + neon

Dimmers 100 - 240 V~ - 50-60 Hz

Pack	White	Anthracite	
			Conform to BS EN 60669-2-1
1	7 354 46	7 355 46	2-way - 300 W - push dimmer
1	7 354 48	7 355 48	2-way rotary dimmer - for 0-10 V ballasts - 400 W

Time delay switches

Pack	White	Anthracite	
1	7 354 47	7 355 47	Time delay switch 300 W

Telephone sockets

Pack	White	Anthracite	
1	7 354 50	7 355 50	BT master
1	7 354 51	7 355 51	BT secondary

Data sockets - Cat. 6

Pack	White	Anthracite	
10	7 352 56	7 353 56	RJ 45 - 8 contacts

Television sockets

Pack	White	Anthracite	
10	7 354 40	7 355 40	Screened TV single, male
10	7 354 41	7 355 41	Screened TV-SAT

Loudspeaker sockets

Pack	White	Anthracite	
10	7 352 65	7 353 65	Hi-Fi loudspeaker socket

Fuse carriers 13 A - 250 V~

Pack	White	Anthracite	
10	7 350 30	7 351 30	Fuse carrier

Accessories

Pack	White	Anthracite	
10	7 350 62	7 351 62	Indicator - green neon
10	7 350 60	7 351 60	Indicator - red neon
20	7 354 36	7 355 36	Blanking plate



WEATHERPROOF WIRING ACCESSORIES & OTHER INSTALLATION EQUIPMENT

Weatherproof wiring accessories & boxes



P. 548
Plexo IP 55 complete flush-mounting



P. 555
Plexo 66 flush and surface-mounting

Installation equipment & connection



P. 562
Plastic industrial boxes



P. 570
Colson cable ties

Plugs and multi-outlet extensions



NEW
P. 574
Special plugs

Door entry system & detection



NEW
P. 581
Chimes and bells

NEW PRODUCTS 2014



Special plugs
with sockets Double function,
protected, and night light and with light sensitive sensor
(p. 574)



Multimedia multi-outlet extensions
with voltage surge protection
(p. 577)


P. 549
Plexo IP 55 complete surface-mounting


P. 550
Plexo IP 55 mechanisms


P. 553
Plexo IP 55 boxes and support frames

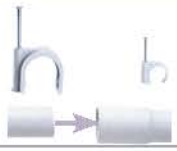

P. 554
Green'up Access sockets for electric vehicles


P. 556
Soliroc IK 10


P. 558
Plexo boxes


P. 564
Flexible conduits


P. 565
Flush-mounting boxes


P. 568
Rigid conduits and fixing accessories


P. 571
Duplix marking system


P. 572
Nylbloc connection terminals and strips


P. 573
Equipotential bonding connectors


P. 574
British and German standard plugs, travel adaptors


NEW
P. 577
Multi-outlet extensions for multimedia


P. 579
Cable reels and inspection lamps


NEW
P. 580
Shaverlights and lighting equipment


NEW
P. 582
Colour video door entry kits


P. 584
Audio door entry kits


P. 586
Movement detectors and door contact


NEW
P. 587
Technical alarm detectors



Colour video door entry kits

7" and 3.5" colour video kits - 2 wires

(p. 582)



Technical alarm detectors

for domestic premises

(p. 587)

Plexo™

complete flush-mounting IP 55


0 698 55


0 698 21


0 698 24


0 698 31


0 698 31

Mechanisms supplied complete

Pack	Cat.Nos	Switches 10 AX - 250 V~
		IP 55 - IK 07 Automatic terminals
		1 gang two-way switch
10	0 698 51	○ White
10	0 698 11	● Grey
		2 gang two-way switch
5	0 698 55	○ White

Pack	Cat.Nos	Push-buttons 10 A - 250 V~
		IP 55 - IK 07 Automatic terminals
		Illuminated changeover push-button (N/O + N/C contact) Supplied with 230 V~ lamp
5	0 698 61	○ White
10	0 698 21	● Grey
		Illuminated changeover push-button with label-holder (N/O + N/C contact) Supplied with 12 V lamp Can be equipped with 230 V~ lamp
5	0 698 64	○ White
5	0 698 24	● Grey

Pack	Cat.Nos	German standard socket outlets 16 A - 250 V~
		IP 55 - IK 07 Screw terminals
		2P+E with earth lateral contacts
10	0 698 69	○ White
10	0 698 33	● Grey
5	0 707 72	○ White antimicrobial
		2P+E with earth lateral contacts, with claws
5	0 707 73	○ White antimicrobial

Pack	Cat.Nos	French standard socket outlets 16 A - 250 V~
		IP 55 - IK 07 Automatic terminals
		2P + E with shutters for child protection
10	0 698 70	○ White
10	0 698 31	● Grey

Pack	Cat.Nos	Socket outlets 20 A
		IP 44 - IK 08 Screw terminals
		2P+E - 230 V~
10	0 557 03	● Grey
		3P+E - 400 V~
10	0 557 06	● Grey
		3P+N+E - 400 V~
10	0 557 08	● Grey

Pack	Cat.Nos	Surface-mounting box
10	0 903 59	Surface-mounting box for 20 A sockets Cat.Nos 0 557 03/06/08 Dimensions: 79 x 86 x 40 mm

Rigid conduits, **p. 568**



Video installation of Plexo

Plexo™

complete surface-mounting IP 55


0 697 11

Lamp supplied


0 697 12


0 697 33


0 697 39

Pack	Cat.Nos	Switches 10 AX - 250 V~
		IP 55 – IK 07 Automatic terminals Grey
10	0 697 11	Two-way switch
5	0 697 16	Intermediate switch
10	0 697 12	Two-way switch with indicator Supplied with 230 V~ lamp
5	0 697 13	Illuminated two-way switch Supplied with 230 V~ lamp
10	0 697 15	Two-gang two-way switch
1	0 697 17	Double pole switch

Pack	Cat.Nos	Push-buttons 10 A
		IP 55 – IK 07 Automatic terminals Grey
10	0 697 20	N/O contact
10	0 697 22	Illuminated N/O contact Supplied with 230 V~ lamp

Pack	Cat.Nos	Movement detectors
		IP 55 - IK 04 Automatic terminals Allows control of a lighting device as soon as the movement is detected Maximum load: - 2000 W for incandescent and halogen lamps 230 V~ and - 2000 W for ELV halogen lamps, - 1000 VA for fluorescent tubes and compact fluorescent lamps Detection range from 0 to 12 m Detection angle : 360° Coverage pattern adjustable during installation process Temporization between 12 s and 16 min. Dim. 90x90x85 mm
1	0 697 80	White
1	0 697 40	Grey

Pack	Cat.Nos	Socket outlets
		Grey
		German standard 16 A – 250 V~
10	0 697 33	2P+E with earth lateral contact screw terminals
		British standard 13 A – 250 V~
10	0 697 32	2P+E with screw terminals
5	0 697 39	2 x 2P+E screw terminals
5	0 697 50	2P+E unswitched + switch screw terminals
		French standard 16 A – 250 V~
10	0 697 31	2P+E with shutters for child protection, automatic terminals

Pack	Cat.Nos	Socket outlets 20 and 32 A
		Screw terminals Grey
		20 A - IP 55 - IK 08 Compatible with membrane glands Cat.No 0 919 14
5	0 916 55	2P+E - 230 V~
5	0 916 56	3P+E - 230 V~
5	0 916 57	3P+N+E - 230 V~
		32 A - IP 44 - IK 08 Compatible with membrane glands Cat.No 0 919 15
5	0 558 72	2P+E - 230 V~
5	0 558 75	3P+E - 230 V~
5	0 558 77	3P+N+E - 230 V~

Pack	Cat.Nos	Membrane glands
50	0 919 14	Grey (RAL 7035)
50	0 919 15	Grey (RAL 7035)

Plexo™ mechanisms

switches, push-buttons and automatic switches IP 55



0 695 13


0 695 25


0 707 33


0 695 00


0 695 02

Mechanisms supplied with cover plate
Installation with surface-mounting boxes or flush-mounting support frames (p. 553)
Automatic terminals

Pack	Cat.Nos	Switches 10 AX - 250 V~
		IP 55 - IK 07
		Two-way switch
10	0 696 11	○ White
10	0 695 11	● Grey
5	0 707 11	○ White antimicrobial
		Two-way switch with indicator
		Supplied with 230 V~ lamp
5	0 696 12	○ White
10	0 695 12	● Grey
		Illuminated two-way switch
		Supplied with 230 V~ lamp
5	0 696 13	○ White
5	0 695 13	● Grey
		2 gang two-way switch
10	0 695 25	● Grey
5	0 707 26	○ White antimicrobial
		Double pole switch
10	0 695 30	● Grey
5	0 707 27	○ White antimicrobial

Pack	Cat.Nos	Switches 16 A - 250 V~
		IP 55 - IK 07
		Two-way switch
5	0 695 23	● Grey
		Illuminated two-way switch
		Supplied with 230 V~ lamp
1	0 695 24	● Grey
		Double pole switch
1	0 695 27	● Grey
		Double pole switch with indicator
		Supplied with 230 V~ lamp
1	0 695 28	● Grey

Pack	Cat.Nos	Push-buttons 10 A
		IP 55 - IK 07
		N/O contact
10	0 695 40	● Grey
5	0 707 30	○ White antimicrobial
		Illuminated N/O contact
		Supplied with 230 V~ lamp
10	0 695 42	● Grey
5	0 707 32	○ White antimicrobial
		Illuminated - N/O contact with label-holder
		Supplied with 12 V lamp
5	0 707 33	○ White antimicrobial

Pack	Cat.Nos	Automatic switches 230 V~
		IP 55 - IK 07 Maximum detection range: 8 m (adjustable)
		Without neutral - 2-wire connection Can be used instead of a 1 way switch No additional wiring required Operates: 60 to 300 W incandescent and halogen lamps 230 V~ Temporization: 6 s to 6 min. Detection angle: 130° Luminosity threshold: 3 to 1000 lux
1	0 695 00	○ Grey/White
		With neutral - 3-wire connection Operates: - 500 to 1000 W incandescent and halogen lamps 230 V~ - ELV halogen lamps - compact fluorescent lampe Temporization: 1 s to 16 min. Detection angle: 180° Luminosity threshold: 3 to 1000 lux
1	0 695 02	○ Grey/White

Plexo™ mechanisms

controls and socket outlets IP 55


0 695 17


0 695 34


0 695 47


0 695 04


0 695 71

Mechanisms supplied with cover plate
Installation with surface-mounting boxes or flush-mounting support frames (p. 553)

Pack	Cat.Nos	Light sensitive switches, 230 V~
		Light sensitive switch 1 function Can be used to switch a lighting circuit "ON" and "OFF" based on light conditions (nightfall, daybreak) Supplied in one piece, including photoelectric cell Maximum load: - 1400 W incandescent and halogen lamps 230 V~ - 400 VA fluorescent tubes Luminosity threshold: 0,5 to 1500 lux IP 55 - IK 07
5	0 695 17	 Grey
		Photoelectric cell For use with modular light sensitive switches IP 55
5	0 695 18	 Grey
		Key-operated switches 3 A - 250 V~ Supplied with RONIS key n° 455 Key removable in all position 2 N/O contacts
		2 positions marked "0 – I"
1	0 695 34	 Grey
		3 positions marked "I – 0 – II"
1	0 695 35	 Grey
		Emergency stop functions 3 A - 250 V~ Supplied with "emergency stop" label in 8 languages. Yellow cover plate, red button
		Emergency stop button - 1 N/C contact
1	0 695 47	 Grey/yellow
		Emergency stop with key for reset - N/O + N/C contact Key RONIS n° 455 supplied Key removable in 0 position
1	0 695 48	 Grey/yellow
		Emergency stop - stay put 1/4 release - N/O + N/C contact Key removable in 0 position
1	0 695 49	 Grey/yellow

Pack	Cat.Nos	Illuminated time lag switches - 250 V~
		Electronic time lag switch - IP 55 2-wire connection Supplied with lamp Temporization: 25 s to 15 min. Maximum loads: - 1000 W incandescent and halogen 230 V~ - 400 W halogen 130 V - 400 VA ELV halogen lamps - 400 VA fluorescent lamps - 2300 W resistive (heating)
5	0 696 04	 White
5	0 695 04	Grey
		German standard socket outlets 16 A - 250 V~ With earth lateral contact
		2P+E screw terminals
10	0 696 39	 White
10	0 695 71	Grey
5	0 707 22	White antimicrobial
		2P+E automatic terminals
5	0 696 40	 White
10	0 695 70	Grey
		British standard socket outlet 13 A - 250 V~
		2P+E screw terminals
10	0 695 85	 Grey
		French standard socket outlets 16 A - 250 V~
		2P+E automatic terminals With shutters for child protection
10	0 696 21	 White
10	0 695 51	Grey
5	0 707 21	White antimicrobial
		2P+E tamperproof-screw terminals
5	0 695 53	 Grey
		2P+E with flap-automatic terminals Automatic opening of the flap
5	0 695 55	 Grey
		Tamperproof insert for Cat.No 0 695 53
10	0 502 99	 Tamperproof insert for socket Fits directly into the plug

Green'Up Access socket outlets for electric vehicles, **p. 554**



Plexo™ mechanisms

prewired socket outlets, data, TV sockets and adaptors - IP 55


0 695 76


0 695 69


0 695 80


6 806 33

Mechanisms supplied with cover plate
Installation with surface-mounting boxes or flush-mounting support frames (p. 553)

Pack	Cat.Nos	Prewired German standard socket outlets 16 A - 250 V~
		Automatic terminals One piece mechanism, only one connection required For two or three gang surface-mounting boxes or flush-mounting supports
5	0 695 76	**2 x 2P+E horizontal** ● Grey
5	0 695 77	**2 x 2P+E vertical** ● Grey

Pack	Cat.Nos	RJ 45 data sockets
		IP 55 with closed shutter IK 07
5	0 695 69	**Cat. 6 FTP** ● Grey
1	0 695 61	**Cat. 6 UTP** ● Grey
1	0 695 57	**Cat. 5e FTP** ● Grey
1	0 695 56	**Cat. 5e UTP** ● Grey

Pack	Cat.Nos	TV-R-SAT sockets
		For terrestrial and satellite installation with individual demodulator For receiving analogue and digital programmes (DTT, satellite channels, etc) Fitted with an automatic connection terminal for connection of the coaxial cable
1	0 707 24	○ White antimicrobial

Pack	Cat.Nos	Adaptors for 2-module Arteor/Mosaic mechanisms
		Can be equipped with any 2-module Arteor functions (except specific mechanisms with depth > 18 mm) in order to obtain an IP 55 wiring device
10	0 695 80	**Adaptor with smooked polycarbonate flap** ○ Grey/white
1	0 695 79	**Adaptor with smooked polycarbonate flap lockable** Lockable with special tool Cat.No 0 919 45 ○ Grey/white
1	0 695 82	**Adaptor without flap - IP 20** ○ Grey/white

Pack	Cat.Nos	Adaptors for 3-module Arteor/Mosaic mechanisms
		Weatherproof IP 55 with membrane Allows operations of switches without opening cover maintaining IP 55 rating
1	6 806 33	● Grey
1	6 806 32	○ White

Pack	Cat.Nos	Accessories
1	0 919 45	Special tool for adaptor Cat.No 0 695 79
100	0 849 00	Standard claws
50	0 849 01	Long claws

Plexo™

surface-mounting boxes and support frames IP 55


0 696 51


0 696 72


0 696 68


0 696 92


0 696 92

To be equipped with modular Plexo mechanisms (p. 550-552)

Surface-mounting boxes with membrane glands

Equipped with removable membrane glands
Direct entry of cables (no need to be cut)

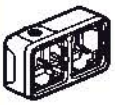
1 gang - 1 entry



Pack	Cat.Nos	
10	0 696 89	○ White
10	0 696 51	● Grey
10	0 707 41	○ White antimicrobial

2 gang - 2 entries

No separation between compartments, in order to facilitate the cabling operations and to allow the installation of pre-wired socket outlets



5	0 696 90	○ White - horizontal mounting
5	0 696 72	● Grey - horizontal mounting
1	0 707 42	○ White antimicrobial - horizontal mounting



5	0 696 91	○ White - vertical mounting
5	0 696 61	● Grey - vertical mounting
1	0 707 43	○ White antimicrobial - vertical mounting

Surface-mounting boxes for cable glands

1 gang - 1 entry



5	0 696 56	● Grey

2 gang - 2 entries (2 top)



5	0 696 78	● Grey - horizontal mounting



5	0 696 68	● Grey - vertical mounting

Flush-mounting support frames

Used for flush-mounting version for German and French standard boxes only

1 gang

Can be equipped with claws Cat.Nos 0 849 00/01



Pack	Cat.Nos	
10	0 696 92	○ White
10	0 696 81	● Grey
10	0 707 92	○ White antimicrobial

2 gang - 2 entries

71 mm fixing centres



5	0 696 94	○ White - horizontal mounting
5	0 696 83	● Grey - horizontal mounting
1	0 707 94	○ White antimicrobial - horizontal mounting



5	0 696 96	○ White - vertical mounting
5	0 696 85	● Grey - vertical mounting
1	0 707 49	○ White antimicrobial - vertical mounting

Flush-mounting boxes for all ranges and standards, **p. 565**



Absolute safety, today



CHARGING SOCKETS AND TERMINALS FOR ELECTRIC VEHICLES

The Green'Up Access 2P+E socket with safety shutters charges your vehicle safely in mode 1 and mode 2 safer than with a conventional socket

Green'up Access sockets 25 kWh / 8h / 230V - for electric vehicles


0 904 71


0 778 97

Sockets supplied with base


0 904 78

Used for safely charging rechargeable electric and hybrid vehicles which take mode 2 cord (compatible with mode 1)
Connected to the consumer panel via one 3 x 2.5 mm² dedicated line (1 line per socket) protected by 30 mA - 20 A C curve, type A or HPi RCBO (or 30 mA type A or HPi RCCB + 20 A C curve circuit breaker)
Recommended installation height: 1.30 m from the ground
Suitable for residential and workplace use

Pack	Cat.Nos	Mode 1 and mode 2 sockets - 3.2 kVA
		Heavy-duty mechanisms with silvered contacts Single-phase sockets - screw connection - 230 V Supplied with base Cat.No 0 904 78 for hanging up the vehicle charging cable control box For charging 1 vehicle Conform to IEC 60-884-1
		IP 66 - IK 08 surface-mounting Suitable for installation in private houses Plastic socket with flap cover Supplied complete with surface mounting box fitted with an ISO 20 cable gland Dimensions (H x W x D): 98 x 98 x 70 mm (exc. cable gland)
1	0 904 72	German standard socket outlet
1	0 904 73	British standard socket outlet
1	0 904 71	French standard socket outlet
		IP 55 - IK 10 flush-mounting - metal socket Suitable for installation in private houses, lock-up garages, parking lots, etc Supplied complete with plate and support Mounting in 1-gang Batibox flush-mounting box depth 50 mm Can be surface mounted with box Cat.No 0 778 90 Dimensions (H x W x D): 110 x 110 x 13.5 mm
1	0 778 97	French standard socket outlet
1	0 778 56	German standard socket outlet
		IP 55 - IK 10 flush-mounting - metal socket with locked flap cover Suitable for installation in private houses, lock-up garages, parking lots, etc Supplied complete with plate and support Mounting in 1-gang Batibox flush-mounting box depth 50 mm Can be surface mounted with box Cat.No 0 778 90 Dimensions (H x W x D): 110 x 110 x 13.5 mm Supplied complete with a unique set of 2 keys in order to restrict access to the socket
1	0 778 98	French standard socket outlet
1	0 778 57	German standard socket outlet
		Base
1	0 904 78	For hanging up the vehicle charging cable control box Plastic

Plexo™ 66 complete flush-mounting

IP 66 - IK 08



6 845 53



6 845 70

White RAL 9010
Polypropylene/ABS housing
Temperature rating: - 20 to + 40 °C (+ 50 °C for short periods)
Supplied without back boxes, can mount directly on to standard metal flush boxes
Stainless steel captive terminal screws supplied in backed-off position
Supplied with flush-mounting gasket
Supplied without lamps

Pack	Cat.Nos	20 A - 250 V~ switches
		Conform to BS EN 60669-1 Flush-mounting gasket is not required when fitting these mechanisms on to back boxes Cat.Nos 6 845 89/90/91
1	6 845 53	1 gang 2 way switch - SP
1	6 845 54	2 gang 2 way SP
1	6 845 56	1 gang 1 way DP + indicator
1	6 845 60	**6 A - 250 V~ push-button** 1 gang 2 way SP retractive switch
1	6 845 70	**13 A - 250 V~ socket outlet** Conforms to BS 1363 : Part 2 1 gang unswitched
1	6 845 85	**Arteor/Mosaic adaptor** 2 modules with opaque lid

Plexo™ 66 complete surface-mounting

IP 66 - IK 08



6 846 19



0 904 67

Grey RAL 7016/TO 29
Supplied with ISO 20 membrane glands and caps (for rear cabling)
Stainless steel captive terminal screws supplied in backed-off position

Pack	Cat.Nos	20 A - 250 V~ switches
		Conform to BS EN 60669-1 Fitted with rear gasket with groove to deposit silicone
1	6 846 03	1 gang Two-way switch - SP
1	6 846 02	1 gang One way switch - DP
1	6 846 04	2 gang Two-way switch - SP
1	6 846 11	**6 A - 250 V~ push-buttons** 1 gang Two-way switch - SP with "Bell"
1	6 846 45	**13 A - 250 V~ fused spur unit** Conform to BS 1363: Part 4 Fitted with rear gasket with groove to deposit silicone 1 gang - DP switched
1	6 846 22	**13 A - 250 V~ socket outlets** Conform to BS 1363: Part 2 Fitted with rear gasket with groove to deposit silicone 1 gang Switched socket with opaque lid
1	6 846 20	1 gang Unswitched socket with opaque lid
1	6 846 19	1 gang unswitched Accepts moulded plugs with side outlet
1	6 846 28	2 gang unswitched
1	0 904 67	**RJ 45 socket** Cat.6 - FTP
1 1	6 846 36 6 846 38	**Arteor/Mosaic adaptors** 2 module adaptor - semi-transparent lid 3 module adaptor - semi-transparent lid


0 778 11


0 778 25


0 778 74

Suitable for public buildings, unsupervised passageways, car parks, communal areas in buildings
High resistance to IK 10 impacts and humidity
4 fixing points by plugging the plate directly on the wall and 4 blanking plates to be force-mounted on the plate (can only be removed by drilling)
Mechanisms supplied with cover plates, to be equipped with support frames (p. 808) and plates (p. 557)

Switches 10 AX - 250 V~

Pack	Cat.Nos	
1	0 778 11	2-way switch
1	0 778 21	Intermediate switch
1	0 778 12	Illuminated 2-way switch Supplied with lamp Cat.No 0 676 66
1	0 778 14	2-way indicator switch Supplied with lamp Cat.No 0 676 68
1	0 778 13	2-way switch with label holder
1	0 778 22	Double pole switch 20 A

Automatic switches - IK 10 - IP 55

Infrared detection
Detection range adjustable from 3 m to 8 m
Horizontal detection angle: 130°
Light level threshold adjustable from 3 to 1000 lux
Time delay adjustable from 1 s to 16 mins with repetition of cycle as long as movement is detected
Remote manual control possible with normally closed push-button
Integrated self-protection against overloads and short-circuits
Should preferably be installed in box depth 50 mm

Pack	Cat.Nos	
		With neutral, 3-wire 1000 W
1	0 778 25	For controlling lamps: - Up to 1000 W, incandescent and halogen 230 V~ - Up to 500 VA, ELV halogen via ferromagnetic or electronic transformer - Fluo 500 VA Can control a ventilation appliance (100 VA max.)
		Without neutral, 2-wire 400 W
1	0 778 27	Can be installed as a replacement for a conventional switch without additional wiring For controlling lamps: 40 W min. to 400 W max. incandescent, halogen 230 V~ or ELV halogen with ferromagnetic or electronic transformer

Push-buttons 6 A - 230 V~ - IK 10 - IP 55

Pack	Cat.Nos	
1	0 778 41	Two-way push-button NO-NC contact
1	0 778 42	Illuminated two-way push-button NO contact Supplied with lamp Cat.No 0 676 66
1	0 778 44	Two-way push-button + indicator light NO contact with potential free terminal Supplied with lamp Cat.No 0 676 68
1	0 778 43	Two-way push-button with label-holder NO-NC contact

Time-delayed switch - IK 10 - IP 55

Pack	Cat.Nos	
1	0 778 23	Without neutral, 2-wire - 1000 W For controlling 1000 W incandescent and halogen lighting 230 V~, 400 VA ELV halogen fluo lighting For controlling a motor (eg: Ventilation) - 250 VA Time delay from 25 s to 15 mins

Keyswitches - IK 10 - IP 54

To be equipped with European key barrel Cat.No 0 697 95

Pack	Cat.Nos	
1	0 778 74	2-position keyswitch 2 NO contacts - 6 A - 230 V Key can be removed in either position
1	0 778 75	3-position key-operated push-button Changeover switch with off position - 6 A - 230 V Key can be removed in off position

Outdoor flush-mounting readers - IK 10 - IP 55

Power supply 12/24 V⎓ /~

Pack	Cat.Nos	
		Stand-alone badge reader
1	0 778 72	1 relay output for door release or electromagnetic lock 1 push-button input for internal unlocking Up to 500 users
		Backlit coded keypad
1	0 778 76	Consumption: 75 mA at 12 V⎓ 1 relay output for door release or electromagnetic lock 1 push-button input for internal unlocking Up to 99 users
		Backlit coded keypad with push-button
1	0 778 78	Consumption: 75 mA at 12 V⎓ 1 relay output for door release or electromagnetic lock 1 push-button input for internal unlocking 1 push-button on the front panel for call, chime or door opening. Up to 99 users

Illuminated sign 230 V~ - IK 10 - IP 55

Pack	Cat.Nos	
1	0 778 68	Mechanism incorporating white LEDs and a pivoting window which can take preprinted labels 2 choices of power rating (0.2 W or 1 W)

Passage lighting - IK 10 - IP 55

Pack	Cat.Nos	
1	0 778 67	For lighting a staircase, etc 250 V~ Supplied complete with: - Soliroc plate 5 modules - 1 set of 4 blanking plates that can be removed by drilling Mechanism: screw fixing in flush-mounting boxes, depth 40 mm Supplied with: - 16 white LEDs (2 W) - 1 x 5 modules Batibox support

Support frames, **p. 808**



Soliroc™

sockets and mounting accessories IK 10


0 778 31


0 778 91


0 778 51


0 778 90

Suitable for public buildings, unsupervised passageways, car parks, communal areas in buildings
High resistance to IK 10 impacts and humidity
4 fixing points by plugging the plate directly on the wall and 4 blanking plates to be force-mounted on the plate (can only be removed by drilling)
Mechanisms supplied complete with cover plates

Pack	Cat.Nos	Socket outlets - IK 10
		German standard 16 A - 250 V
1	0 778 35	2P+E with safety shutters, screw terminals and cover IP 55
1	0 778 36	2P+E with safety shutters, screw terminals, no cover IP 20
1	0 778 37	2P+E with safety shutters, screw terminals and locked cover IP 55
		French standard 16 A - 250 V
1	0 778 31	2P+E with automatic terminals and cover IP 55
1	0 778 33	2P+E with automatic terminals and locked cover IP 55
1	0 778 32	2P+E with automatic terminals, no cover IP 20
		TV socket - IK 10 - IP 20
1	0 778 82	Male TV socket 0-2400 MHz
		RJ 45 socket - IK 10 - IP 20
1	0 778 91	Cat. 6 - FTP
		Cable outlet - IK 10 - IP 55
1	0 778 50	Supplied with cable grip

Pack	Cat.Nos	Plates - IK 10
1	0 778 51	1-gang plate 110 x 110 mm
1	0 778 52	2-gang plate 110 x 181 mm Horizontal or vertical mounting 71 mm fixing centres
1	0 778 53	3-gang plate 110 x 252 mm Horizontal or vertical mounting 71 mm fixing centres
		Surface-mounting boxes
		Cannot be used for Cat.Nos 0 778 74/75 Supplied with 4 blanking plugs Take ISO 20 protective conductors
1	0 778 90	1-gang 110 x 110 x 45 mm
1	0 778 92	2-gang 110 x 181 x 45 mm Horizontal or vertical mounting 71 mm fixing centres
		Accessories
		Adaptors for Arteor/Mosaic functions Take 2-module Arteor/Mosaic mechanisms (except special surface-mounting type)
1	0 778 84	Adaptor with lockable cover - IP 55 - IK 10
1	0 778 80	Adaptor with cover - IP 55 - IK 10
1	0 778 81	Adaptor without cover - IP 20
		Replacement blanking plugs
5	0 778 96	Can only be removed by drilling Set of 4
		Seals for surface correction Made of foam to compensate for unevenness of the wall
1	0 778 85	For 1-gang plate
1	0 778 86	For 2-gang plate
1	0 778 87	For 3-gang plate
		Blanking plate
1	0 778 66	2 modules
		Fixing accessory
1	0 778 83	Fits on Batibox boxes for masonry and concrete, for fixing directly in the wall The Soliroc plate can be fixed onto this accessory with no need for drilling or using plugs in the wall 1-gang, can be joined to create 2-gang

Green'Up Access socket outlets for electric vehicles, **p. 554**



Plexo™ boxes IP 55 - IK 07

with direct entry membrane glands - 650 °C



0 921 01



0 921 36 0 921 26

Dimensions **p. 560**
Technical characteristics **p. 561**

Resistance to glow wire test: 650 °C (EN 60695 2-1)
Operating temperature: – 25 °C to + 40 °C
Interchangeable membrane glands with direct entry
Material: polystyrene box and polypropylene cover
Opaque cover
Membrane gland or pre-cut knock-out for ISO type cable gland

Pack	Cat.Nos	**Standard boxes**
		Grey RAL 7035 With fixing slots for easy alignment Use 5 mm Ø screws Alternatively use wall fixing Cat.No 0 319 57 Clip-on cover
		Ø60 mm x 40 mm
5/**100**	0 921 00	4 glands (Cat.No 0 919 10)
		Ø70 mm x 40 mm
5/**100**	0 921 01	4 glands (Cat.No 0 919 10)
		65 x 65 x 40 mm
5/**100**	0 921 04	7 glands (Cat.No 0 919 10)
		Class II boxes
		Grey RAL 7035 Mounting by: - either internal fixing points - use 5 mm Ø screws - or at three corners outside the wiring area - use 4 mm Ø screws Provision for anti-tamper seal Cover with 4 x 1/4 turn fixings, indicated I-O, can be retained open during installation
		80 x 80 x 45 mm
5/**100**	0 921 26	7 glands (Cat.No 0 919 10)
5/**50**	0 921 27	With pre-cut knock-outs
		105 x 105 x 55 mm
5/**50**	0 921 36	7 glands (Cat.No 0 919 11)
5/**30**	0 921 37	With pre-cut knock-outs
		Accessories
20	0 312 10	Strip with four 4 mm² terminal for junctions For fitting in Plexo boxes Cat.Nos 0 921 00/01, 0 921 04/26/27

Plexo™ boxes IP 55 - IK 07

with direct entry membrane glands - 750 °C



0 920 32



0 920 52

Dimensions **p. 560**
Technical characteristics **p. 561**

Resistance to glow wire test: 750 °C (EN 60695 2-1)
Operating temperature: – 25 °C to + 40 °C
Interchangeable membrane glands with direct entry
Captive cover with clippable tie between box and cover except boxes 310 x 240 and 360 x 270
Cover opens/closes with a 1/4 turn of a regular screwdriver, marking 0 and I
Class II is ensured by protection caps (supplied) for the attachment screws

Pack	Cat.Nos	**Square boxes**
		Grey RAL 7035
1	0 920 32	**130 x 130 x 74 mm** 10 glands Ø cables and tubes accepted 4 to 25 mm
		Rectangular boxes
		Grey RAL 7035
20	0 920 42	**155 x 155 x 74 mm** 10 glands Ø cables and tubes accepted 4 to 25 mm
1/**10**	0 920 52	**180 x 140 x 86 mm** 10 glands Ø cables and tubes accepted 4 to 32 mm
1/**10**	0 920 62	**220 x 170 x 86 mm** 14 glands Ø cables and tubes accepted 4 to 32 mm
1/**2**	0 920 82	**310 x 240 x 124 mm** 24 glands Ø cables and tubes accepted 4 to 40 mm
1	0 920 92	**360 x 270 x 124 mm** 24 glands Ø cables and tubes accepted 4 to 40 mm

Plexo™ boxes IP 55 - IK 07

with pre-cut knock-out ISO type cable entries



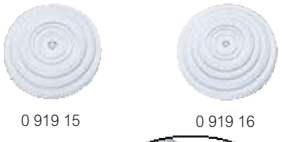
Dimensions **p. 560**
Technical characteristics **p. 561**

Resistance to glow wire test: 750 °C (EN 60695 2-1)
Operating temperature: – 25 °C to + 40 °C
Knock-out entries
Captive cover with clippable tie between box and cover except boxes 310 x 240 and 360 x 270
Cover opens/closes with a 1/4 turn of a regular screwdriver, marking 0 and I
Fixing with level adjustment
• At 2 or 4 internal points (screw Ø5 mm max.)
• At the four corners out of wiring volume (screw Ø4 mm max.)
• With brackets Cat.No 0 358 02
Class II is ensured by protection caps (supplied) for the attachment screws

Pack	Cat.Nos	**Square boxes**
		Grey RAL 7035
1/**10**	0 920 34	**130 x 130 x 74 mm** 16 knock-out entries for ISO 12/16 4 knock-out entries for ISO 20/25
		Rectangular boxes
		Grey RAL 7035
1/**10**	0 920 44	**155 x 110 x 74 mm** 16 knock-out entries for ISO 12/16 4 knock-out entries for ISO 20/25
1/**5**	0 920 54	**180 x 140 x 86 mm** 16 knock-out entries for ISO 16/20 4 knock-out entries for ISO 20/25
1/**5**	0 920 64	**220 x 170 x 86 mm** 12 knock-out entries for ISO 16/20 8 knock-out entries for ISO 20/25 4 knock-out entries for ISO 25/32
1/**2**	0 920 84	**310 x 240 x 124 mm** 2 knock-out entries for ISO 16/20 22 knock-out entries for ISO 20/25 6 knock-out entries for ISO 25/32 6 knock-out entries for ISO 32/40
1	0 920 94	**360 x 270 x 124 mm** 2 knock-out entries for ISO 16/20 18 knock-out entries for ISO 20/25 10 knock-out entries for ISO 25/32 6 knock-out entries for ISO 32/40

Plexo™ boxes

accessories



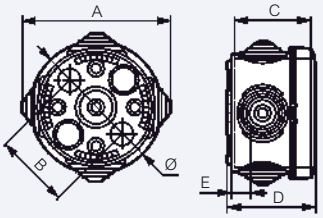

0 358 02 mounted on box


0 358 00 mounted on box

Pack	Cat.Nos	**Direct entry membrane glands**
		With marking of Ø for tubs and cables Direct entry for tubes (up to 16 mm) and cables
50	0 919 14	**Up to Ø20** Grey (RAL 7035)
50	0 919 15	**Up to Ø25** Grey (RAL 7035)
50	0 919 16	**Up to Ø32** Grey (RAL 7035)
50	0 919 17	**Up to Ø40** Grey (RAL 7035)
		Membrane glands
		Grey (RAL 7035) With marking of Ø for tubes and cables
50	0 919 10	Up to Ø20
50	0 919 11	Up to Ø25
		Fixing accessories
1	0 358 02	**Set of 4 lugs** For wall fixing supplied with screws
		Equipment accessories
1	0 358 00	**Set of 2 hinges (RAL 7016)** For boxes 130 x 130 mm up to 220 x 170 mm included
1	0 358 01	For boxes 310 x 240 and 360 x 270 mm

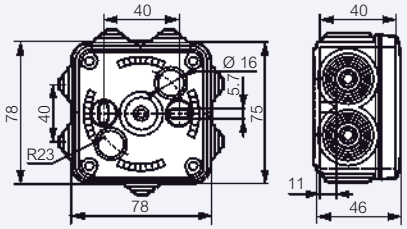
Dimensions

Cat.Nos 0 921 00/01

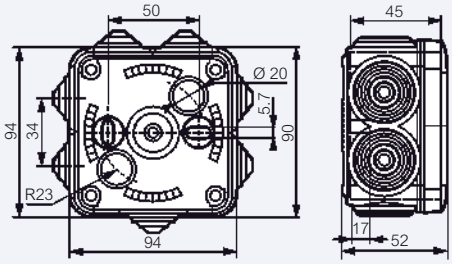


Cat.Nos	Ø	A	B	C	D	E
0 921 00	60	79	40	44.5	40	11
0 921 01	70	86	50	49.5	45	11

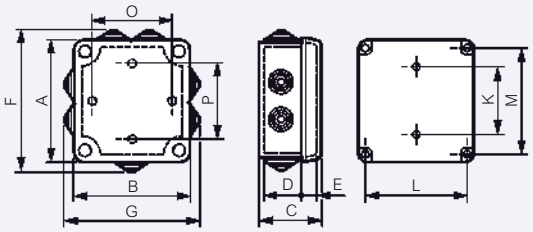
Cat.No 0 921 04



Cat.Nos 0 921 26/27



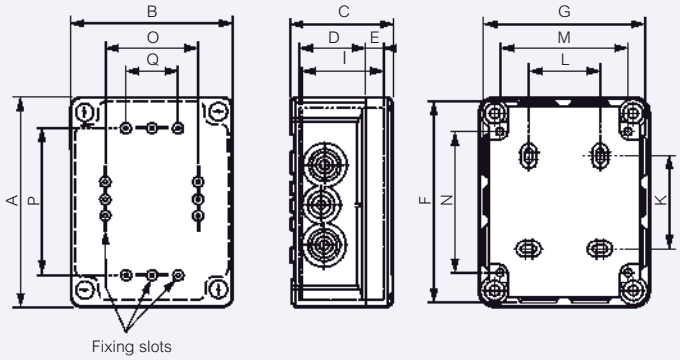
Cat.Nos 0 921 36/37



Cat.Nos	A	B	F	G	C	D	E	Fixing of box			S dm²	Fixing of accessories (screw Ø4 mm)	
								K	L	M		O	P
0 921 36	116	116	132	132	60	41.8	13.4	50	95	95	1.34	80	80
0 921 37	116	116	121	121	60	41.8	13.4	50	95	95	1.34	80	80

Plexo square boxes 130 x 130 mm Cat.Nos 0 920 32/34

Plexo rectangular boxes Cat.Nos 0 920 42/44/52/54/62/64/82/84/92/94



Cat.Nos	Dimensions (mm)	A	B	F	G	C	D	E	I	Fixing of box				Fixing of accessories (screw Ø4 mm)		
										K	L	M	N	O	P	Q
0 920 32/34	130 x 130 x 74	150	150	149	149	81	56	18	67	54	70	120	103	106	106	84
0 920 42/44	155 x 110 x 74	175	130	173	128	81	56	18	67	79	50	100	128	86	131	64
0 920 52/54	180 x 140 x 86	200	160	205	165	94	69	18	80	104	50	130	153	116	156	94
0 920 62/64	220 x 170 x 86	240	190	245	195	94	69	18	80	144	80	160	193	146	196	124
0 920 82/84	310 x 240 x 124	332	262	340	270	132	97	27	116	220	160	222	276	200	260	150
0 920 92/94	360 x 270 x 124	382	292	390	300	132	97	27	116	270	190	252	326	230	310	150

Technical characteristics

Additional regulation

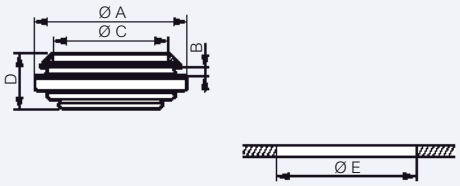
In accordance with European directive RoHS (2002/95/CE modified by decision 2005/618/CE) and with its FAQ "guidance for EEE directives", widened to all halogenated flame retardants, Plexo boxes (Cat.Nos mentioned below) don't contain halogenated flame retardant:
0 920 32/0 920 42/0 920 44/0 920 52/0 920 62/0 920 82/0 921 26/0 921 36

Equipment with terminal blocks

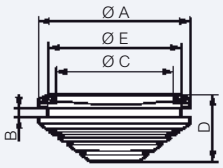
Boxes (mm)	Bare terminal blocks on support and IP 2X blocks						
	4 holes	8 holes	13 holes	17 holes	22 holes	35 holes	Max. number of Nylbloc auto terminal support
130 x 130 x 74	•	•					4
155 x 110 x 74	•	•	•				4
180 x 140 x 86	•	•	•				6
220 x 170 x 86	•	•	•	•	•		10
310 x 240 x 124	•	•	•	•	•	•	10
360 x 270 x 124	•	•	•	•	•	•	10

Spare membrane glands for Plexo boxes

• Direct entry



• To be cut



	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
Ø20	Ø27.6	2	Ø20	10	Ø22
Ø25	Ø33.8	2	Ø25	12.8	Ø27.5
Ø32	Ø42	2	Ø32.2	14.5	Ø34.6
Ø40	Ø50	2	Ø40.2	16.2	Ø42.5

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
Ø20	Ø27.6	2,4	Ø20.2	15.5	Ø22
Ø25	Ø33.8	2,4	Ø25.6	18	Ø27.5

User of membrane glands per type of boxes

Boxes	Membrane glands			
	Ø20	Ø25	Ø32	Ø40
Round				
Ø60	4			
Ø70	4			
Square				
65 x 65 x 40	7			
80 x 80 x 45	7			
105 x 105 x 55		7		
130 x 130 x 74	2	8		
Rectangular				
155 x 110 x 74	2	8		
180 x 140 x 86		4	6	
220 x 170 x 86		8	6	
310 x 240 x 124			18	6
360 x 270 x 124			16	8

Plastic industrial boxes



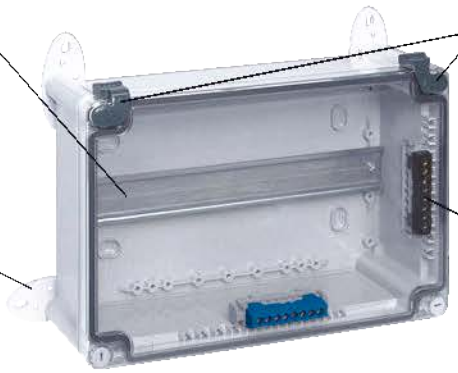
Can be equipped with a rail for fixing equipment



Hinges Cat.No 0 358 01



Wall mounting lugs Cat.No 0 358 02 for horizontal or vertical installation



0 359 71



IP 2X terminal blocks fixed at the top from 130 x 130 mm

Smooth surfaces
Choice of fixing:
- Internal: 4 oblong holes at back of box
- At the 4 corners outside the wiring space, with Ø4 screws
- Using wall mounting lugs Cat.No 0 358 02 (except boxes 130 x 75 x 74 mm)

IP 55 - IK 07 grey RAL 7035

Class II provided by protective caps for the fixing screws (supplied)
Equipment can be fixed on rail or solid plate
IP 2X terminal blocks fixed at the top from 130 x 130 mm size (p. 180)
Cover opened/closed with 1/4 turn of a flat screwdriver. Indication of closed/open position: I/O
Captive covers with ties, except boxes 310 x 240 mm and 360 x 270 mm

Pack	Cat.Nos		Internal dimensions
	Opaque cover	Transparent cover	Height x Width x Depth (mm)
5/**50**	0 921 28		80 x 80 x 45
5/**50**	0 921 38		105 x 105 x 55
1	0 359 00		130 x 75 x 74
1	0 359 30		130 x 130 x 74
1	0 359 40		155 x 110 x 74
1	0 359 50		180 x 140 x 86
1	0 359 60	0 359 61	220 x 170 x 86
1	0 359 70	0 359 71	270 x 170 x 86
1	0 359 80		310 x 240 x 124

IP 55 - grey RAL 7035 - increased depth

Pack	Cat.Nos	
	Opaque cover	
		Box depth 140 mm IK 07
2	0 921 22	220 x 170 x 240 mm with 4 locks
		Box depth 154 mm IK 08
1	0 350 58	359 x 265 x 154 mm with hinges and 2 locks
		Box depth 160 mm IK 08
1	0 922 84	310 x 240 x 160 mm with 4 locks

Accessories for IP 55 - IK 07 grey RAL 7035

Pack	Cat.Nos	
		Hinges RAL 7016 - set of 2
1	0 358 00	For boxes 130 x 130 up to 270 x 170 mm included
1	0 358 01	For boxes 310 x 240 mm and 360 x 270 mm
		Metal mounting plates Galvanized steel 15/10 thick
5	0 358 10	For boxes 130 x 130 mm
5	0 358 11	For boxes 155 x 110 mm
5	0 358 12	For boxes 180 x 140 mm
5	0 358 13	For boxes 220 x 170 mm
5	0 358 14	For boxes 270 x 170 mm
5/**10**	0 358 15	For boxes 310 x 240 mm
		Wall mounting lugs
1	0 358 02	Set of 4 lugs for boxes from width 110 mm For wall fixing supplied with screws

Weatherproof cabinets, **p. 240-253**

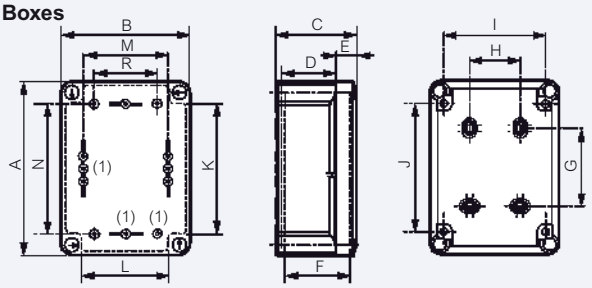


Characteristics - IP 55 - IK 07 boxes

Box: - IP 55: polypropylene
Cover: - opaque: polypropylene (except 0 359 80: polycarbonate)
- transparent: polycarbonate
Operating temperature: - 25 °C to + 40 °C
Self-extinguishing: 750 °C (EN 60695-2-11)
For indoor use

Dimensions

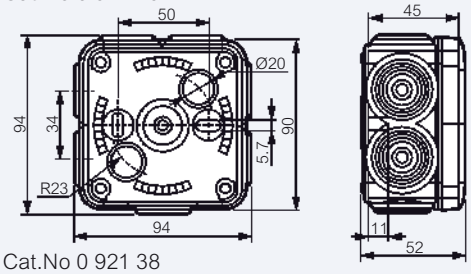
Boxes



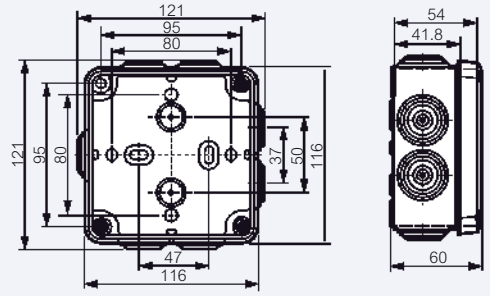
1: Fixing for accessories (rail, mounting plates)

Cat.Nos	Dimensions (mm)						Box fixing (mm)				Accessories fixing (Ø4 mm screw supplied)				
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R
0 359 00	140	85	81	56	18	67	70	-	65	120	-	-	51	106	-
0 359 30	150	150	81	56	18	67	54	70	120	103	102	87	106	106	84
0 359 40	175	130	81	56	18	67	79	50	100	128	112	88	86	131	64
0 359 50	200	160	94	69	18	80	104	50	130	153	137	112	116	156	94
0 359 60/61	240	190	94	69	18	80	144	80	160	193	175	142	146	196	124
0 359 70/71	290	190	94	69	18	80	194	80	160	243	226	142	146	246	122
0 359 80	332	262	132	97	27	116	220	160	222	276	248	198	200	260	150

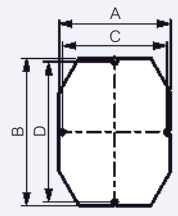
Cat.No 0 921 28



Cat.No 0 921 38



Metal mounting plates



Cat.Nos	A	B	C	D
0 358 10	114	114	106	106
0 358 11	94	139	86	131
0 358 12	124	164	116	156
0 358 13	154	204	146	196
0 358 14	154	254	146	246
0 358 15	211	271	200	260

Maximum length of terminals

Box dimensions (mm)	Number of holes
130 x 130 x 74	8
155 x 110 x 74	13
180 x 140 x 86	13
220 x 170 x 86	22
310 x 240 x 124	28

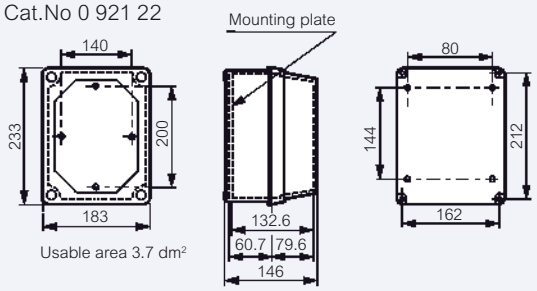
Characteristics - IP 55 - increased depth boxes

Operating temperature: - 20 °C to + 50 °C
Self-extinguishing: 750 °C (EN 60695-2-11)
For indoor use

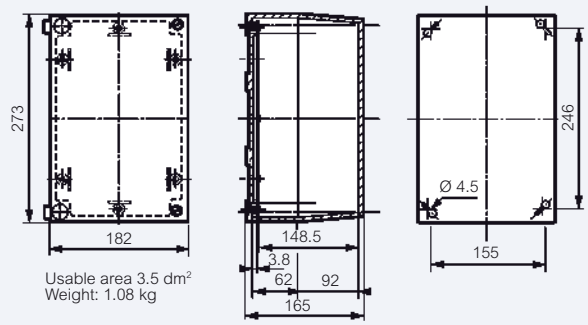
Dimensions

Boxes

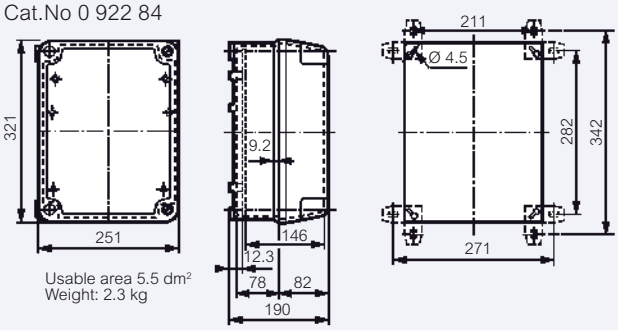
Cat.No 0 921 22



Cat.No 0 350 58



Cat.No 0 922 84



Flexible conduits



6 510 16



6 512 16

Accessories for conduits **p. 568**

Flame-retardant
Conform to standard EN 61386-21 and IEC 61386-2
Crush resistance: 750 Newtons
Supplied wrapped in film, the coil acts as a pay-out reel
The various diameters are identified by coloured ties
Surface-mounting or flush-mounting

Medium impact (ICA 3321)

Shock resistance: 2 joules at - 5 °C
Min operating t°: - 5 °C
Max operating t°: + 60 °C
Flush-mounted in certain cases before construction of the masonry

Pack	Cat.Nos	Ø exterior (mm)	Ø interior (mm)	thickness (mm)
100	6 510 16	16	10.7	2.65
100	6 510 20	20	14.1	2.95
100	6 510 25	25	18.3	3.35
50	6 510 32	32	24.3	3.85
50	6 510 40	40	31.2	4.40
50	6 510 50	50	39.6	5.20

High impact with draw wire (ICTA 3422)

Shock resistance: 6 joules at - 5 °C
Min operating t°: - 5 °C
Max operating t°: + 90 °C
IK 08
Surface mounting not recommended outside
Suitable for prefabricated concrete

Pack	Cat.Nos	Ø exterior (mm)	Ø interior (mm)	thickness (mm)
100	6 512 16	16	10.7	2.65
100	6 512 20	20	14.1	2.95
100	6 512 25	25	18.3	3.35
50	6 512 32	32	24.3	3.85
50	6 512 40	40	31.2	4.40
50	6 512 50	50	39.6	5.20
25	6 512 63	63	52.6	5.20

Characteristics

Wire cross-section in mm²	Occupation cross-section in mm²	Number of external Ø of ducts to be used		
		Conductor*	Flexible*	Rigid*
1.5	8.55	2	16	16
		3	16	16
		4	20	16
		5	20	16
2.5	11.9	2	16	16
		3	20	16
		4	20	20
		5	25	20
4	15.2	2	20	16
		3	20	20
		4	25	20
		5	25	25
6	22.9	2	20	20
		3	25	20
		4	32	25
		5	32	25
10	36.32	2	25	20
		3	32	25
		4	32	32
		5	40	32
16	50.3	2	32	25
		3	32	32
		4	40	32
		5	40	40
25	75.4	2	32	32
		3	40	40
		4	50	40
		5	50	50
35	95.03	2	40	32
		3	50	40
		4	50	50
		5	63	50
50	132.7	2	50	40
		3	50	50
		4	63	63
		5	63	63
70	176.7	2	50	50
		3	63	63
		4	63	63
		5		
95	227	2	63	63
		3	63	63
		4		
		5		
120	283.5	2	63	63
		3		63
		4		
		5		
150	346.3	2	63	63
		3		
		4		
		5		

* Based on H 07 V - U/R

Use

Surface-mounting or flush-mounting for electrical installations in residential buildings

			Rigid reinforced	Reinforced flexible	Flexible and rigid
Surface-mounting	Exterior		●	●	●
	Interior		●	●	●
Flush-mounting	Before construction	Walls	●	●	●
		Floors	●	●	●
	After construction		●	●	●

● Possible ● Not recommended ● Prohibited

Reinforced flexible conduit with wire puller: flexible annular, suitable for prefabricated concrete

Annular flexible conduit: flexible, without wire puller

Rigid conduit with integrated sleeves: rigid, smooth, without wire puller

Batibox™

flush-mounting boxes for dry partitions


0 800 51


0 800 42


0 801 93


0 801 95

Installation **see e-catalogue**

1-gang boxes

Pack	Cat.Nos	
20	0 800 40	**For 1 module** Drilling diameter 32 mm Depth 40 mm
		For 1 gang or 2 modules For wiring accessories using screws or claws Drilling diameter 67 mm
50	0 800 41	Depth 40 mm
50	0 800 51	Depth 50 mm





Multi-gang boxes

For mounting equipment using screws
Drilling diameter 67 mm
Supplied with 1 removable divider for accommodating extended functions

Pack	Depth 40	Depth 50	
			For 83.5 mm fixing centres Compatible with: Arteor and Mosaic ranges
15	0 800 49		3 modules horizontal mounting
			For 60 and 71 mm fixing centres Compatible with: Arteor, Galea Life, Mosaic, Valena, Niloé, Kaptika
30	0 800 42	0 800 52	2-gang or 4/5 modules Horizontal or vertical use
30	0 800 43	0 800 53	3-gang or 6/8 modules Horizontal or vertical use
30 | 15	0 800 44	0 800 54	4-gang or 8/10 modules Horizontal or vertical use



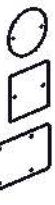




Universal covers

For converting wiring devices boxes into junction boxes or for closing up an existing box
Supplied without fixing screws
For one-gang or multi-gang boxes

Pack	Cat.Nos	
20	0 801 80	Round cover, Ø85 mm, for 1-gang box
20	0 892 81	Square cover, 80 x 80 mm, for 1-gang box
10	0 801 82	Cover for Batibox 2-gang box



Accessory

Pack	Cat.Nos	
20	0 801 97	Long screw Ø3 mm length 40 mm



Junction boxes

Supplied with cover and screws
Knockout base

Pack	Cat.Nos	Box ext. dim. (mm)	Cover dim. (mm)
10	0 893 72	115 x 115 x 40 mm	140 x 140 mm
10	0 893 73	160 x 105 x 40 mm	190 x 135 mm
10	0 893 74	170 x 170 x 50 mm	195 x 195 mm
10	0 893 75	230 x 170 x 50 mm	225 x 210 mm

Batibox multimedia boxes

Multi-material flush-mounting boxes for connecting wall-mounted LCD or plasma screens
Supplied with 2 Mosaic programme 5-module supports for flush-mounting high/low current functions
(e.g.: 2P+E, TV sockets, HDMI, RCA sockets, etc.)
Supplied without sockets
Can be installed in advance to reserve the future space for a screen
Extra-slim cover with cut-out panel for cable outlet
Equipped with a site protective cover
Storage space for cords
Supplied with retaining bar for cords
Suitable for solid or cavity walls. Depth: 50 mm

Pack	Cat.Nos	
1	0 801 93	Max. capacity: 1 x 5 modules Dimensions: 142 x 142 mm
1	0 801 95	Max. capacity: 2 x 5 modules Dimensions: 285 x 142 mm

Installation of flush-mounting boxes for dry partitions
see e-catalogue

Universal box and flush-mounting boxes for masonry



0 313 01 (fitted alongside)



0 801 41 + 0 801 99



2 x 0 801 08 (back to back joining)

Installation **p. 567**

Pack	Cat.Nos	Universal 1-gang box
250	0 313 01	For screw or claw mounting Supplied without screws Can be used with Arteor, Galea Life, Mosaic, Vela, Valena, Niloé and Kaptika ranges, Horizontal and vertical mounting 1-gang unit Can be fitted alongside one another Can be used as junction box with cover Cat.No 0 892 81

Pack	Cat.Nos	1-gang boxes for masonry
10	0 801 40	**For 1 module** Depth 40 mm - Width 32 mm
		Square boxes for joining together For wiring accessories using screws or claws 1-gang boxes can be used to make up multi-gang boxes by joining Can be used horizontally or vertically 71 mm fixing centres Cutting out of internal partitions for mounting extended functions Supplied with screws fitted with protective shield Knockout cable entries, Ø16-20-255
100	0 801 41	Depth 40 mm
100	0 801 51	Depth 50 mm
		Round for joining together back to back Upper flange can be cut to obtain a depth of 30 mm (for controls, 2-way switches, push-buttons, etc.) Boxes can be joined back to back by 1/4 of a turn Adjustable dimensions (80, 70 or 60 mm) by cutting the flange With screws
100	0 801 08	Depth 40 mm - Ø67 mm

Pack	Cat.Nos	Multi-gang boxes for masonry
10	0 801 49	**Batibox** For 3 module Arteor, Vela, Mosaic ranges Supplied with screws Depth 40 mm Knockout cable entries, Ø16-20-25
		Italian type boxes for masonry For screw or claw mounting devices Arteor, Mosaic, Vela ranges Supplied without screws Horizontal mounting Depth 50 mm
1	0 892 39	For 3 modules - 106 x 71 mm
1	0 892 49	For 4 modules - 130 x 71 mm
1	0 892 50	For 6 modules - 186 x 71 mm

Pack	Cat.Nos	Multi-gang boxes for multi-material
		For Arteor, Mosaic Depth 50 mm
1	0 801 24	2 x 2 gang or 2 x 4/5 modules Dimensions: 142 x 142 mm
1	0 801 26	2 x 3 gang or 2 x 6/8 modules Dimensions: 213 x 142 mm
1	0 801 28	2 x 10 modules Dimensions: 284 x 142 mm

Pack	Cat.Nos	Box for 20 A and 32 A sockets
5	0 801 85	**1-gang 85 x 85 mm** For cable outlets Cat.No 0 314 90, 20 A sockets and 32 A sockets Depth 50 mm Vertical positioning of the screws for fixing 20 A and 32 A sockets

Pack	Cat.Nos	Box for shaver socket
5	0 801 55	For Mosaic shaver socket Cat.No 0 744 86, and Arteor shaver sockets (p. 397) Depth 50 mm

Pack	Cat.Nos	Luminaire box with cover
50	0 892 46	**For striplights** Ø40 mm - depth 40 mm

Pack	Cat.Nos	Universal covers
		For converting wiring devices boxes into junction boxes or for closing up an existing box Supplied without fixing screws For one-gang or multi-gang boxes
20	0 801 80	Round cover, Ø85 mm, for 1-gang box
20	0 892 81	Square cover, 80 x 80 mm, for 1-gang box
10	0 801 82	Cover for Batibox 2-gang box, 71 mm fixing centres

Batibox™ - flush-mounting boxes for masonry



0 819 40



0 819 60

Pack	Cat.Nos	Complete junction boxes		
		Rectangular with knockout cable entries Boxes supplied with cover and screws Supplied with plaster shield (except for Cat.No 0 892 71)	Box ext. dim. (mm)	Cover dim. (mm)
10	0 892 71		85 x 85 x 40	100 x 100
10	0 892 72		120 x 120 x 40	140 x 140
10	0 892 73		165 x 115 x 40	190 x 135
10	0 892 74		175 x 175 x 40	195 x 195
10	0 892 75		230 x 180 x 50	255 x 210
		Large capacity Accept Ø25 and 32 tubes		
2	0 892 77	400 x 180 x 70 mm		
2	0 892 78	390 x 245 x 70 mm		
		Box for concrete walls		
50	0 819 40	**One-gang box** For mounting - in wooden casing alone, - with blanking cover Cat.No 0 819 72 Fixing of screw or claw-mounting wiring accessories with ring Cat.No 0 819 60 Can be combined side by side with cover Cat.No 0 819 71 (consult us)		
20	0 819 72	**Cover for concrete boxes** Installation/blanking cover used for installation on wooden casing or for blanking in back to back mounting		
20	0 819 60	**Ring** Ø64 mm ring for 1-gang box Cat.No 0 819 40 Supplied with screws		
		Accessory		
20	0 801 97	**Screw** Long screw Ø3 mm length 40 mm for all Batibox boxes		
		Fixing accessory		
1	0 778 83	Fits on Batibox boxes for masonry and concrete, for fixing directly in the wall The Soliroc plate can be fixed onto this accessory with no need for drilling or using plugs in the wall 1-gang, can be joined to create 2-gang		

Installation



Horizontal or vertical joining of 1 gang boxes (Cat.No 0 801 41)

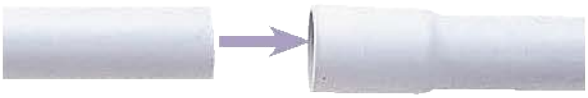


The sides can be removed before or after joining



The screws are supplied with protection cap (against plaster)

Rigid conduits



6 514 16



0 319 06



0 319 00



0 313 82



0 313 83

Conduit supports installation **p. 569**

Pack	Cat.Nos	Rigid conduits with integrated coupling	Ø exterior (mm)	Ø interior (mm)	thickness (mm)
		Flame-retardant Surface-mounting or flush-mounting Suitable for prefabricated concrete Conforming to European standard: EN 61386-21 and IEC 61386-21 Crush resistance: 750 Newtons Shock resistance: 2 joules at - 5 °C Min operating t°: - 5 °C Max operating t°: + 60 °C IK 07 Can be used outside Supplied wrapped in film. Grey (RAL 7035) Length of tubes: 3 m			
30	6 514 16		16	13	1.50
30	6 514 20		20	16.9	1.55
30	6 514 25		25	21.4	1.80
15	6 514 32		32	27.8	2.10

Pack	Cat.Nos	Clipsotubes	Grey RAL 7035	Ø mini (mm)	Ø maxi (mm)
		Fixing by Ø7 mm thread 150 mm pin, screw-in wall plugs Cat.No 0 319 57, screw Ø5 mm or nail For interior use Holding of flexible and rigid conduits			
100	0 319 03	For IRL Ø16 mm		15	16
100	0 319 04	For IRL Ø20 mm		18.4	20.6
100	0 319 06	For IRL Ø25 mm		22.3	25

Pack	Cat.Nos	Cable ties with base
		Adjustable for conduits IRL Ø16 to 32 mm or for cableØ13 to 38 mm Fixing by Ø7 mm thread 150 mm pin, screw in wall plugs Cat.No 0 319 57, screw Ø5 mm Can be fixed using Pulsa 700 E staple gun
100	0 319 02	For interior and exterior use - U.V. protected Black colour
100/**1000**	0 319 00	For interior use - Grey RAL 7035

Pack	Cat.Nos	Conduit supports with screw-in wall plug
		Conduit supports
100	0 313 80	For conduit Ø16
100	0 313 81	For conduit Ø20
50	0 313 82	For conduit Ø25
		Conduit supports accessory
200	0 313 83	For fixing in plasterboard plate

Accessories for flexible and rigid conduits



6 516 01



6 516 08



6 516 11



6 516 18



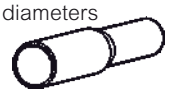
6 516 32

Grey (RAL 7035)

Pack	Cat.Nos	Couplings
		For connecting conduits of the same diameter
100	6 516 01	Ø16 mm
100	6 516 02	Ø20 mm
50	6 516 03	Ø25 mm
25	6 516 04	Ø32 mm



Pack	Cat.Nos	Reducers
		For connecting conduits of different diameters
100	6 516 08	Ø20 x 16 mm
50	6 516 09	Ø25 x 20 mm



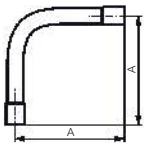
Pack	Cat.Nos	Elbows
		Used to change direction even after the wires have been installed. 2-part assembly to save time and simplify installation
50	6 516 11	Ø16 mm
50	6 516 12	Ø20 mm
25	6 516 13	Ø25 mm



Pack	Cat.Nos	Tees
		Used to join conduits together and to change direction even after the wires have been installed 2-part assembly to save time and simplify installation
50	6 516 18	Ø16 mm
25	6 516 19	Ø20 mm
25	6 516 20	Ø25 mm



Pack	Cat.Nos	Bends
		90° curves
20	6 516 26	Ø20 mm - length: 130 mm
10	6 516 27	Ø25 mm - length: 160 mm
25	6 516 28	Ø32 mm - length: 200 mm



Pack	Cat.Nos	Bending springs	Ø (mm)	Length (mm)
		Used to bend rigid conduits		
1	6 516 32		16	600
1	6 516 33		20	800
1	6 516 34		25	800

Pack	Cat.Nos	Nylon draw tape
		Flexible cable which can be used to guide the wires into an unwired conduit. 2 metal end caps End cap diameter: 6 mm at both ends for attaching the wires
1	6 516 36	Length: 20 m

Fixing devices for conduits



0 315 78



0 315 35



Cable clips come packaged so as to allow for unit distribution and storage of unused clips

Screw-in wall plugs

Pack	Cat.Nos	
	Black	
100	0 319 57	For use with cable ties with base, clipsotube, conduit supports For fixing screw-on base and cable ties with base Ø8 mm drilling (Ø7 mm smooth material) Threaded head Ø6.6 mm pitch 150 Supplied with punch for inserting pin

Cable clips for concrete materials

Multifix

Expanding cable clips, accept several sizes of cable

Pack	Cat.Nos	Cable		Pin	
	Grey	Ø (mm)	Ø (inches)	Ø (mm)	Length (mm)
1000	0 315 77	7 to 10	9/32 to 25/64	1.8	25
100	0 315 78	10 to 14	25/64 to 9/16	1.8	30
100	0 315 79	14 to 20	9/16 to 5/8	2.5	40
30	0 315 81	25 to 32	1 to 5/4	2.5	50

Fixfor

Pack	Cat.Nos		Cable		Pin	
	Grey RAL 7035	White	Ø (mm)	Ø (inches)	Ø (mm)	Length (mm)
2000	0 315 24	0 315 54	5	13/64	1.8	20
1000	0 315 25	0 315 55	6	15/64	1.8	25
1000	0 315 26	0 315 56	7	9/32	1.8	25
1000	0 315 27	0 315 57	8	5/16	1.8	25
1000	0 315 28	0 315 58	9	23/64	1.8	25
100	0 315 29		10	25/64	1.8	30
100		0 315 59	10	25/64	1.8	30
100	0 315 30		12	15/32	1.8	30
100	0 315 31		14	9/16	2.5	40
100	0 315 32		16	5/8	2.5	40
80	0 315 33		17	43/64	2.5	40
60	0 315 34		19	3/4	2.5	40
40	0 315 35		22	7/8	2.5	50
20	0 315 36		29	1"9/64	2.5	50

Conduit supports

Installation Cat.Nos 0 313 80/81/82 (p. 568)



Drill to diam. 8 mm



Strike conduit support



Untie unused elements



Conduit support is fixed



Clip conduit



Lock with flap

Colson™

installation cable ties



0 319 16



0 319 28



0 319 57



0 319 02



0 319 96

Dimensions **see e-catalogue**

Pack	Cat.Nos	Black Colson U.V. protected cable ties					
		Conform to EN 50146 and IEC 62275					
		External teeth					
		Width (mm)	Flat length (mm)	Ø grip capacity (mm) max.	Ø grip capacity (mm) min.	Tensile Strength (kg)	
100/**1000**	0 319 10	9	123	22	4	36	
100/**1000**	0 319 13	9	185	42	10	36	
100/**1000**	0 319 16	9	262	62	26	53	
100/**1000**	0 319 19	9	357	92	26	53	
100/**500**	0 319 20	9	498	140	74	53	
100	0 319 21	9	750	220	74	53	
100	0 319 22	6	119	25	4	22	
100/**1000**	0 319 25	6	180	45	10	22	
		Internal teeth					
		Easy manual tightening					
100	0 319 28	7.6	128	22	8	36	
100	0 319 29	7.6	194	42	15	45	
100	0 319 30	7.6	260	62	15	45	
100	0 319 32	7.6	359	92	15	45	

		Black U.V. protected bases
100/**1000**	0 319 55	Standard plug base Ø8 mm drilling (Ø7 mm smooth material)
100	0 319 58	Wall spacer plug base Ø8 mm drilling (Ø7 mm smooth material)
100	0 319 50	Screw-on base, can be fixed with plug Cat.No 0 319 57 or metal stud Ø7 mm pitch 150 or countersunk screw Ø5 mm
		Black U.V. protected screw-in plug
100	0 319 57	For fixing screw-on base and cable ties with base Ø8 mm drilling (Ø7 mm smooth material) Threaded head Ø6.6 mm pitch 150 Supplied with punch for inserting pin
		Black cable tie with U.V. protected base
100	0 319 02	Adjustable for conduits IRL Ø16 to 32 mm or for cable Ø13 to 38 mm Fixing by Ø7 mm thread 150 mm pin, screw in wall plugs Cat.No 0 319 57, screw Ø5 mm Can be fixed using Pulsa 700 E staple gun For interior and exterior use - U.V. protected Black colour
		Colson tool
1	0 319 96	Facilitates tightening and strip cut the nearest of Colson cable ties head

Colson™

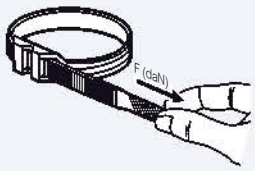
installation cable ties

Performance

Conform to EN 62275 type 1 (NFC 68-146)
"cable ties for electrical installations"
Test conditions:
- Temperature: 23 °C
- Relative humidity of air: 50 %
- Traction speed: 25.4 mm/min

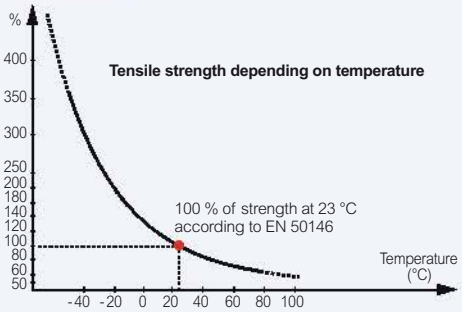
Ratchet force

Cat.Nos	Ratchet force (daN)
0 319 10	4
0 319 13	4
0 319 16	5
0 319 19	5
0 319 20	5.5
0 319 21	5.5
0 319 22	4
0 319 25	4
0 319 28	1.5
0 319 29	1.5
0 319 30	1.5
0 319 32	1.5



Tensile strength

Cat.Nos	Tensile strength	
	Test Ø (mm) according to EN 50146	Min. strength (daN)
0 319 10	20	36
0 319 13	20	36
0 319 16	26	53
0 319 19	26	53
0 319 20	74	53
0 319 21	74	53
0 319 22	20	22
0 319 25	20	22
0 319 28	20	36
0 319 29	20	45
0 319 30	20	45
0 319 32	20	45



Temperature resistance

- operating (permanent use):
from - 40 °C to + 85 °C
from - 25 °C to + 60 °C for Cat.Nos 0 319 28/29/30/32
- operating (minimum): - 30 °C, 0 °C for Cat.Nos 0 319 28/29/30/32

Resistance to external agents

Good resistance to bases, oils, greases, saline mist, oil products.
Sensitive to acids

Fire resistance

- Flame retardant
- Conform to UL 94 requirements, HB classification
- Needle-flame resistance according to IEC 60695-11-5
- Oxygen index (LOI) according to EN ISO 4589-1/ASTM D 2863-00: 20 %
- Halogen free polyamide

UV protected according to norm IEC 62275 type 1

UV protected black cable ties for outdoor use
These black cable ties have successfully undergone UV resistance and climatic ageing tests representing actual conditions of use
These cycles combine a 1000 hours radiance under arc or xenon lamp according to ISO 4892-2 method 1

Duplix™ marking system

for cables



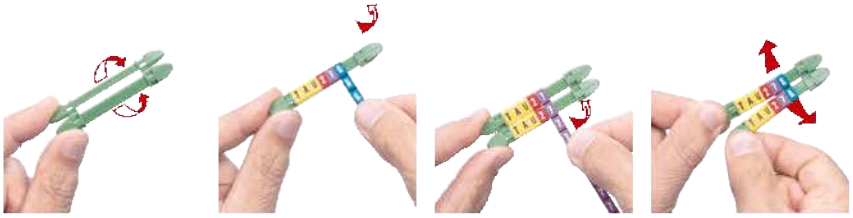
Cat.No 0 384 52 with label and label-holder Cat.No 0 384 98



Cat.No 0 384 56 with marker and protective cover Cat.No 0 384 97



Opened marking system with marker-holders Cat.No 0 384 55



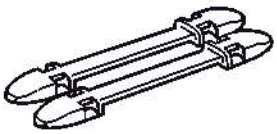
Clip-on marking system

Opened or closed marking system, with markers or labels

Marker-holders

Fitted using Colring 2.4 and 3.5 mm cable ties

Pack	Cat.Nos 7 markers	Cat.Nos 14 markers	
100	0 384 50	0 384 60	Black
100	0 384 52	0 384 62	Red
100	0 384 54	0 384 64	Yellow
100	0 384 55	0 384 65	Green
100	0 384 56	0 384 66	Blue



Markers

Price per marker

Numbers:

Black or white marking on colour background (international colour code)
Supplied by packs of 40 x 20 markers

Pack	Cat.Nos	
800	0 384 00	0 Black
800	0 384 01	1 Brown
800	0 384 02	2 Red
800	0 384 03	3 Orange
800	0 384 04	4 Yellow
800	0 384 05	5 Green
800	0 384 06	6 Blue
800	0 384 07	7 Purple
800	0 384 08	8 Grey
800	0 384 09	9 White



Letters:

Black on yellow background
Supplied by packs of 30 x 20 markers

Pack	Cat.Nos	
600	0 384 10	A
600	0 384 11	B
600	0 384 12	C
600	0 384 13	D
600	0 384 14	E
600	0 384 15	F
600	0 384 16	G
600	0 384 17	H
600	0 384 18	I
600	0 384 19	J
600	0 384 20	K
600	0 384 21	L
600	0 384 22	M
600	0 384 23	N
600	0 384 24	O
600	0 384 25	P
600	0 384 26	Q
600	0 384 27	R
600	0 384 28	S
600	0 384 29	T
600	0 384 30	U
600	0 384 31	V
600	0 384 32	W
600	0 384 33	X
600	0 384 34	Y
600	0 384 35	Z

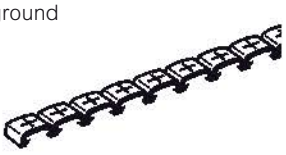


Markers (continued)

Conventional symbols:

Black on a yellow background

Pack	Cat.Nos	
600	0 384 40	/
600	0 384 41	•
600	0 384 42	+
600	0 384 43	–
600	0 384 44	∿
600	0 384 45	⎓
600	0 384 46	⏚
600	0 384 99	Blank



Set of Duplix markers

Pack	Cat.Nos	
1	0 384 96	100 pieces of each number from 0 to 9

Accessories

Label-holder for 7 markers

Pack	Cat.Nos	
100	0 384 98	Clips onto marker-holders Duplix or on end cap Cat. No 0 375 13 Holds and protects labels 9 mm

UV protective cover

Pack	Cat.Nos	
100	0 384 97	Enables closed cable marking system Clips onto label-holders for 7 markers

Other marking systems, **p. 294**



Nylbloc™ auto

screwless connection terminals


0 343 22


0 343 23


0 343 25


0 343 28

Pack	Cat.Nos	Screwless connection terminals - Nylbloc auto
		No tool direct connection after simple stripping of copper conductors Test socket for tester screwdriver or test tip Cat.No 0 394 45 (p. 286) for IP 2X test or Ø4 mm tip on Nylbloc auto terminals Conform to EN 60998-2-2 For rigid cable from 0.75 to 2.5 mm² Stripping length: 11 mm Connection by separate crimping blades Transparent base providing full visibility of the connections Colour code to identify products Duplix marking possible on 3, 5 and 8-wire terminals Max. intensity: 24 A Insulating voltage: 450 V~
100	0 343 22	Grey terminal for 2 wires
100	0 343 23	Orange terminal for 3 wires
100	0 343 25	Blue terminal for 5 wires
50	0 343 28	Grey terminal for 8 wires

Accessories

		Conductor stripping tool
5	0 343 99	For cable desheathing and rapid wire stripping in flush-mounting and junction boxes, in trunking For cable Ø8 mm to 13 mm (from 2 G 1.5 to 5 G 2.5 mm²) and wires 1.5 mm² and 2.5 mm²
		Nylbloc auto terminal support
10	0 343 98	For up to 3 screwless connection terminals Nylbloc auto (Cat.Nos 0 343 22/23/25/28) Direct fixing: - in top of Plexo boxes and industrial plastic cabinets ≥ 130 x 130 mm - on flat bar 12 x 2 mm - in bottom of fully assembled, adaptable and aluminium DLP trunkings (from 50 x 80 mm) Screw fixing: - in bottom of Plexo boxes ≥ 105 x 105 mm and industrial plastic cabinets - universal Fixing on rail with accessory Cat.No 0 048 11 (p. 180) Accessible test socket Marking zone with felt tip pen Cat.No 0 395 98 (p. 272)

Nylbloc™

connection strips and connectors without screws


0 342 17


0 342 21


0 343 38


0 343 44


6 340 51


6 340 52



6 340 51

Pack	Cat.Nos	Nylbloc connection strips			
		12 elements with captive screws Supplied with screws undone Flame retardant polypropylene (– 25 °C to + 100 °C) Ambient temperature from – 25 °C to + 55 °C (T 55) Conform to EN 60998-2-1 and EN 60664-1 Self-extinguishing to EN 60695-2-11 at 850° Insulation voltage: 250 V according to EN 60 998-2-1 Use at 400 V integrated in a series of products that comply with the requirements of EN 60664-1, pollution degree 2, overload category III			
	Black		Rated capacity (mm²)	Hole Ø (mm)	Max current (A)
10	0 342 11		2.5	2.5	24
10	0 342 13		6	3.5	41
10	0 342 15		10	4.5	57
10	0 342 17		16	5.5	76
10	0 342 19		25	7	101
	White				
10	0 342 21		2.5	2.5	24
10	0 342 23		6	3.5	41
10	0 342 25		10	4.5	57
10	0 342 27		16	5.5	76

Connectors without screws - Capvis caps

Rapid connection for 1.5 - 2.5 - 4 and 6 mm² solid conductor cables - 440 V insulation

Pack	Cat.Nos	Nominal capacity (mm²)	No of cables and corresponding sections (mm²)	Cap colour	Packaging type
1000	0 343 38	1.5	3 to 5 of 0.5² 2 to 4 of 0.75² 2 of 1.5²	blue	box
1000	0 343 44	1.5 to 2.5	3 to 5 of 0.5² 2 to 5 of 0.75² 2 to 3 of 1.5² 2 of 2.5²	orange	box
2000	0 343 51	4	2 to 4 of 1.5² 2 to 3 of 2.5² 2 of 4²	yellow	box
100	0 343 57	6	2 to 5 of 2.5² 2 to 3 of 4² 2 of 6²	red	box
2 000	6 340 51	4	2 to 4 of 1.5² 2 to 3 of 2.5² 2 of 4²	yellow	bucket
1 500	6 340 52	6	2 to 5 of 2.5² 2 to 3 of 4² 2 of 6²	red	bucket

Line taps and equipotential bonding connectors



0 340 03



0 340 33



0 340 42



0 340 45



0 343 85

Pack	Cat.Nos	Line taps

Strip of 10 separable line taps

Pack	Cat.Nos With feet	Capacity per tap (mm^2)	Width (mm)
10	0 340 00	2 x 6	15
10	0 340 01	2 x 10	19.5
10	0 340 02	2 x 16	21
10	0 340 03	2 x 25	21.5
10	0 340 04	2 x 35	25

Non-shear line taps

Hexagonal head

Pack	Cat.Nos Without feet	Capacity per tap (mm^2)	Width of slot (max. cable Ø in mm)	Overall height (mm)	Fixing centres (mm)
20	0 340 33	2 x 25	7.4	49	
10	0 340 34	2 x 50	9.5	59	
	With feet				
20	0 340 42	2 x 16	5.8	41	37
20	0 340 43	2 x 25	7.4	49	37
10	0 340 44	2 x 50	9.5	59	44
10	0 340 45	2 x 75	11.7	71	62

Equipotential bonding connectors

Used to make equipotential connections on the installation busbar systems
Safe, intuitive 1/4 turn mounting ensuring an excellent, lasting equipotential link

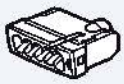
Pack	Cat.Nos	Busbar system Ø min. (mm)	Busbar system Ø max. (mm)	Max. connection cross-section (mm)
20	0 343 85	12	16	6
10	0 343 86	18	22	16
10	0 343 87	28	32	16

Screwless connection terminals and equipotential bonding connectors

Screwless connection terminals

Connection terminals Nylbloc auto Cat.Nos 0 343 22/23/25/28

Ambient temperature: - 25 °C to + 55 °C (T55)
Self-extinguishing: 960 °C according to EN 60695-2-11
Halogen free polycarbonate



Use



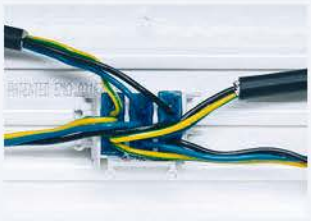
Cat.No 0 343 99 tool for cable desheathing and rapid wire stripping



Test via IP 2X test tip Cat.No 0 394 45



Plexo box with support Cat.No 0 343 98 directly fixed on top part

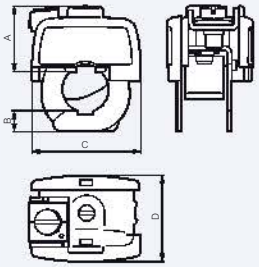


Trunking adaptable DLP with support Cat.No 0 343 98 directly fixed

Equipotential bonding connectors

Characteristics

- Resistance to incandescent wire 960°C
- Resistivity ≤ 0.4 m Ω
- Polyamide
- Grey



Cat.Nos	Dimensions (mm) A	B	C	D
0 343 85	24	8	40.5	31.5
0 343 86	24	9	49	40
0 343 87	24	11	59	46.5

Installation



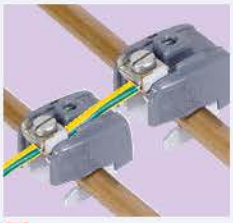
1 Fixed with a quarter turn



2 Held in place by a stainless steel spring blade



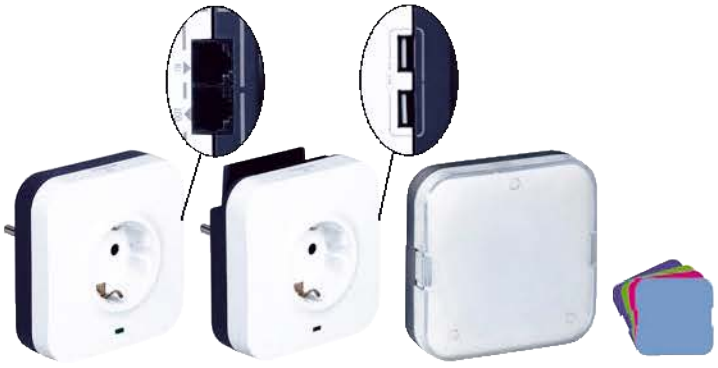
3 Final locking with 5.5 mm screwdriver



4 Connecting the equipotential bonding with a through and/or terminating connection

Special plugs

double function



6 946 70 6 946 71 0 506 73

British standard plugs, travel adaptors and TV plugs



0 503 26 6 500 13 6 500 15 0 503 83 0 503 82 0 500 10

Pack	Cat.Nos	German standard double function plugs 250 V~
5	0 504 62	**Plug with 2P+E 16 A socket** Wires onto a cord connected to a device, enabling a second device to be connected to the same socket Plug 16 A/250V - 3680 W To be connected to a flexible cord 3G 1.5 mm² appliance lamp
5	0 504 09	**Plug with switch, 16 A** For fitting on a class I domestic appliance or a multi-outlet extension, which does not have an on/off button as standard Plug 16 A/250 V - 3680 W To be connected to a 3G 1.5 m² flexible cord
		German standard protected sockets
1	6 946 70	**2P+E + 2 x RJ 45 socket with voltage surge protector** Protection of electrical and electronic devices and the telephone circuit against lightning and overvoltages With indicator showing the status of the voltage surge protector ADSL compatible RJ 45/RJ 11 I/O: Uc: 200 V, Uoc: 2 kV and Up: 600 V Supplied with 1.5 m RJ 11 cord
8	6 946 71	**Socket: 2P+E + 2 x USB + telephone support with voltage surge protector** Protection of electrical and electronic devices against lightning and overvoltages With indicator showing the status of the voltage surge protector 5 V/1000 mA USB charger sockets for charging tablets, MP3 or MP4 players, mobile phones, etc. Telephone support with non-slip coating Supplied with 1 m retractable cable with micro-USB plug
		Night light with LED with light-sensitive sensor, 230 V
8	0 506 73	With light sensitive sensor for automatic lighting according to the light level threshold LED technology Supplied with 4 solid-coloured labels and 1 customisable paper label

Pack	Cat.Nos	British standard plugs
20	0 503 26	13 A - 250 V~ - 2P+⏚ ASTA certification
20	6 500 13	13 A - 250 V~ - 2P+⏚
20	6 500 15	15 A - 250 V~ - 2P+⏚
		Travel adaptors
		With safety shutters For connecting a plug onto a different standard socket White/Grey
10	Cardboard 0 503 83	**British standard adaptor → French standard adaptor** 2P+E - 16 A outlet - 13 A input - 3.000 W at 230 V~ British standard plug on a French or German standard socket
10	0 503 82	**German standard adaptor → French standard adaptor** 2P+E - 16 A outlet - 3.680 W in 230 V~ German standard plug (countries: Germany, Spain, Austria, Portugal, Greece, Hungary…) on a French socket
		2P adaptors - Euro/US
10	0 503 85	US standard → European standard US standard plug on a French or German standard socket - 1.380 W max.
10	0 503 86	European standard → US standard French or German standard plug on a US standard socket - 1.875 W max.
		TV plugs
		Ø9.52 mm
50	0 500 09	Male plug
50	0 500 10	Female plug

Operation of night light sensor Cat.No 0 506 73

Operation of socket with telephone support Cat.No 6 946 71

German standard plugs and extensions


0 503 42


0 501 83


0 501 75


0 501 72


0 501 76


0 501 73

2P plug - 16 A - rubber

For the supply of class II devices
2 x 1.5 mm² max. cable

Pack	Cat.Nos Bulk	Cat.Nos Gencod labelling	
25	0 504 51	0 501 81	● Black - straight outlet

2P+E plugs - 16 A and extensions - rubber

Screw terminals
IK 08 - H07 RNF 3G 2.5 mm² max. cable

Plugs

Pack	Cat.Nos Bulk	Cat.Nos Gencod labelling	
10	0 503 42	0 501 96	● Black - IP 44, screw cable grip
10	0 503 40		● Black - IP 44 + cable gland Robust gland-type cable grip which guarantees weatherproofing and tightening without tools. Optimum hold with traction of the cable grip: 30 kg at 2.5 mm² max.
10	0 502 52	0 969 29	● Black - Side outlet with ring, screw cable grip

Extensions

Pack	Cat.Nos Bulk	Cat.Nos Gencod labelling	
10	0 503 43	0 501 97	● Black, screw cable grip
10	0 503 44	0 501 98	● Black - IP 44 with cap and plug inserted, screw cable grip
10	0 503 41		● Black + cable gland Robust gland-type cable grip which ensures weatherproofing and tightening without tools. Optimum hold with traction of the cable grip: 30 kg at 2.5 mm² max.
5	0 513 66		● Black - 3 x 2P+E - IP 44 - with caps
5	0 513 69		● Black - 3 x 2P+E - IP 44 - with caps and plugs inserted

2P plugs and extensions - plastic - with extraction ring

6 A

Pack	Cat.Nos Gencod labelling	
30	0 501 62	○ Plug - White
15	0 501 66	○ Extension - White
30	0 501 63	● Plug - Black
30	0 501 64	● Plug - Bronze
30	0 501 65	○ Plug - Aluminium

10 A

Pack	Cat.Nos Gencod labelling	
30	0 503 12	○ Plug - White
30	0 503 14	● Plug - Black
30	0 503 13	● Plug - Bronze
15	0 503 05	○ Extension - White
15	0 503 06	● Extension - Black

2P plugs - 16 A - extra-slim - plastic

Side outlet plugs, ideally behind an item of furniture
2 x 1.5 mm² max. cable, screw cable grip

Pack	Cat.Nos Gencod labelling	
15	0 501 83	○ White
15	0 501 84	● Black

2P+E plugs - 16 A and extensions - plastic

Pack	Cat.Nos Bulk	Cat.Nos Gencod labelling	
25	0 503 15	0 501 87	○ Straight outlet plug - White
25	0 503 16	0 501 88	○ Side outlet plug - White
15	0 503 17	0 501 89	○ Straight outlet extension - White
25		0 501 77	● Straight outlet plug - Black
25		0 501 78	● Side outlet plug - Black
15		0 501 79	● Straight outlet extension - Black

2P+E plugs - 16 A and extensions with rings - plastic

3 x 2.5 mm² max. cable, screw cable grip

Pack	Cat.Nos Bulk	Cat.Nos Gencod labelling	
25	0 503 24	0 501 92	● Plug - Grey
10	0 503 25	0 501 93	● Extension - Grey
25	0 503 30	0 501 90	○ Plug - White
10	0 503 31	0 501 91	○ Extension - White
25	0 503 28	0 501 94	● Plug - Black
10	0 503 29	0 501 95	● Extension - Black

2P+E extension - 16 A - plastic - side outlet

Pack	Cat.Nos Sleeve	
4	0 501 99	○ White/Grey Removable accessory packaging enabling attachment

2P+E plugs - 16 A - easy extraction - plastic

System enabling extraction of sockets thanks to the lever-extractor
3 x 1.5 mm² max. cable, screw cable grip, side outlet

Pack	Cat.Nos Gencod labelling	
5	0 501 75	○ White
5	0 501 76	◐ Black and Grey

2P+E plugs - 16 A - cable orientation - plastic

3 x 0.5 mm² max. cable, screw cable grip. Enables the cable to be moved to 360°

Pack	Cat.Nos Gencod labelling	
10	0 501 72	○ White
10	0 501 73	◐ Black and Grey

German standard multi-socket plugs and extensions



0 506 56



0 503 77

Pack	Cat.Nos	
		2P multi-socket plugs - 6 A
		For connection onto 2P+E socket Max. admissible power: 3.680 W at 230 V~
	Cardboard	**4 side outlets**
10	0 506 50	○ White
10	0 506 51	● Black
		2P+E multi-socket plugs - 16 A
		Max. admissible power 3.680 W at 230 V~
	Sleeve	**2 front outlets**
10	0 506 55	○ White/Grey
		3 front outlets
10	0 506 56	○ White/Grey
		2 side outlets
		With extraction button for easy disconnection of the plugs
	Cardboard	
5	0 506 65	○ White/Grey
		3 side outlets
10	0 506 62	○ White
10	0 506 63	○ Transparent
		Multi-socket "octopus" extension leads ready to use - rubber
5	0 503 77	● Black - 2P+E - 16 A - IK 10 With 1 plug and 3 extensions H07 RNF 3G 1.5 and 2.5 mm² cable Length: 0.8 m

German standard multi-outlet extensions

without cord



6 946 29



6 950 09

Pack	Cat.Nos	
		Multi-outlet extensions for comfort without cord
		Sockets with child protection shutters tested to withstand 10000 operations Orientable socket outlets To be equipped with flexible cable of 3G 1.5 mm² or 3G 1mm² minimum On/off switch with a light indicator, can be operated by foot or by hand Maximum space between 2 sockets to connect transformers, chargers, etc. Direct wall-mounting possibilities (with screws) Possibility to manage the cable around the feet Supplied with self-gripping tie for grouping the cords of the connected devices 16 A max. power 3500 W at 230 V
5	6 946 24	3 x 2P+⏚
5	6 946 29	4 x 2P+⏚
5	6 946 34	5 x 2P+⏚
5	6 946 39	6 x 2P+⏚
		Standard multi-outlet extensions without cord
		To connect several devices equipped with plugs with or without earth: appliances class I (simple insulation) or class II (double insulation), lamps, PC, TV, stereo, etc. Ultra-flat: can be slid underneath furniture Wall-mounting possibilities with the packaging accessory 90° socket for connecting a transformer without blocking another socket 16 A max. power 3500 W at 230 V To be equipped with flexible cable of 3G 1.5 mm² or 3G 1mm² minimum
10	6 950 04	3 x 2P+⏚
10	6 950 09	4 x 2P+⏚
10	6 950 14	5 x 2P+⏚
10	6 950 19	6 x 2P+⏚

Effective protection for all electrical and electronic



Vertical multi-outlet extension with voltage surge protector
- 4 x 2P+E controlled by main switch
- 2 USB charger sockets on base
- 1 micro-USB connector on base.

Ideal on a desk for charging all mobile devices: tablets, MP3 and MP4 players, smartphones, etc.



Multi-outlet extension with voltage surge protector
- 4 x 2P+E controlled by main switch
- 2 x 2P+E permanently supplied
- 2 x RJ 45
- 2 TV sockets



Multi-outlet extension with voltage surge protector
- 4 x 2P+E controlled by main switch
- 2 x RJ 45

German standard multi-outlet extensions - with cord



6 946 64



6 946 66



6 946 14

Pack	Cat.Nos	Multi-outlet extensions for multimedia with voltage surge protector
		Protection of electrical and electronic devices and the telephone circuit against lightning and overvoltages With indicator showing the status of the voltage surge protector (on: devices protected; off: voltage surge protector not operational, extension needs to be replaced) Sockets with safety shutters tested to withstand 10,000 operations With switch with indicator for controlling up to 3 switching mode power supplies (for example, computing device) Optimum space between 2 sockets for plugging in transformers, chargers, etc. 16 A, max. power 3500 W at 250 V Supplied with self-gripping cable tie for grouping cords together Ideal for total protection of an Internet box RJ 45 connectors compatible with RJ 11 ADSL compatible RJ 45/RJ 11 I/O: Uc: 200 V, Uoc: 2 kV and Up: 600 V
5	6 946 64	○ White/Grey 4 x 2P+E + 2 x RJ 45 4 x 2P+E controlled by main switch Block of sockets pivoting on its axis Can be screwed onto a wall, an item of furniture, a work surface, etc. Power supply cord 1.5 m (3G 1.5 mm²) Supplied with 1.5 m RJ 11 cord for telephone socket
5	6 946 66	● Black 6 x 2P+E + 2 x RJ 45 + 2 x TV sockets 4 x 2P+E controlled by main switch 2 x 2P+E permanently supplied Block of sockets pivoting on its axis Can be screwed onto a wall, an item of furniture, a work surface, etc. Power supply cord 1.5 m (3G 1.5 mm²) Supplied with 1.5 m RJ 11 cord for telephone socket and with 1.8 m coaxial TV cord (plug Ø 9.52 mm)
1	6 946 14	○ White/Grey 4 x 2P+E + 1 socket with 2 USB charger sockets + 1 micro-USB connector 4 x 2P+E controlled by main switch Vertical block of sockets pivoting on its axis 5 V/1000 mA USB charger sockets for charging tablets, MP3 or MP4 players, mobile phones, etc. Micro-USB connector for charging smartphones directly on the socket Power supply cord 2 m (3G 1.5 mm²)

DIN rail mounting voltage surge protectors
See p. 64



German standard multi-outlet extensions

with cord (continued)



6 946 41



6 946 56



6 946 48



6 946 26



6 946 36



6 950 16

Pack	Cat.Nos	Multi-outlet extensions for comfort and safety
		On/off switch with a light indicator, can be operated by foot or by hand Orientable socket outlets Sockets with child protection shutters tested to withstand 10000 operations Maximum space between 2 sockets to connect transfos, chargers, etc. Direct wall-mounting possibilities (with screws) With power supply cord (3G 1.5 mm²) Possibility to manage the cable around the feet Supplied with self-gripping tie for grouping the cords of the connected devices Important: Multi-outlet extensions should always be installed together with modular voltage surge protectors at the main board
		With power consumed indicator (safe control) Equipped with: - an indicator showing the power consumed by the connected devices (max. 3500 W) - safety circuit-breaker that automatically shuts down the power if maximum power is exceeded With manual reset
5	6 946 41	4 x 2P + ⏚ - 1.5 m cord
5	6 946 43	4 x 2P + ⏚ - 3 m cord
5	6 946 46	6 x 2P + ⏚ - 1.5 m cord
5	6 946 47	6 x 2P + ⏚ - 3 m cord
		With voltage surge protector For protection of electrical and electronic devices (TV, stereo, PC, etc.) against lightning and overvoltages With an indicator showing the protection status (On: devices protected, Off: voltage surge protection inactive, need to replace the extension)
5	6 946 51	4 x 2P + ⏚ - 1.5 m cord
5	6 946 56	6 x 2P + ⏚ - 1.5 m cord
		With masters slave function Equipped with: - 1 master socket - 4 slave sockets - 1 uncontrolled socket - voltage surge protector with thermic protection
5	6 946 48	6 x 2P + ⏚ - 1.5 m cord Plug your TV in the master socket Plug your DVD player, console game, loudspeakers, amplifiers, etc, in the slave sockets When you turn on the TV, all the slave sockets get power and turn on the plugged devices When you turn off the TV (info standby mode or completely off), the multi outlet - extension switches off the power of the slave sockets The uncontrolled socket can be used continuously (for alarm clock, ADSL box, etc.)

Pack	Cat.Nos	Multi-outlet extensions for comfort
		On/off switch with a light indicator, can be operated by foot or by hand Socket with child protection shutters tested to withstand 10000 operations Orientable socket outlets Maximum space between 2 sockets to connect transfos, chargers, etc. Supplied with self-gripping tie for grouping the cords of the connected devices Direct wall-mounting possibilities (with screws) Cable management possible around the wall-mounting fixtures With power supply cord 1.5 m (3G 1.5 mm²) or 3 m (3G 1.5 mm²) 16 A max. power 3500 W at 230 V
		1.5 m cord
5	6 946 21	3 x 2P+⏚ - 1.5 m cord
5	6 946 26	4 x 2P+⏚ - 1.5 m cord
5	6 946 36	6 x 2P+⏚ - 1.5 m cord
		3 m cord
5	6 946 22	3 x 2P+⏚ - 3 m cord
5	6 946 27	4 x 2P+⏚ - 3 m cord
5	6 946 37	6 x 2P+⏚ - 3 m cord
		Standard multi-outlet extensions
		To connect several devices equipped with plugs with or without earth: appliances class I (simple insulation) or class II (double insulation), lamps, PC, TV, stereo, etc. Ultra-flat: can be slid underneath furniture Wall-mounting possibilities with the packaging accessory 90° socket for connecting a transformer without blocking another socket Power supply cord 1.5 m (3G 1.5 mm²) or 3 m (3G 1.5 mm²) or 5 m (3G 1.5 mm²) 16 A max. power 3 500 W at 230 V
		1.5 m cord
10	6 950 01	3 x 2P+⏚
10	6 950 06	4 x 2P+⏚
10	6 950 16	6 x 2P+⏚
		3 m cord
10	6 950 02	3 x 2P+⏚
10	6 950 07	4 x 2P+⏚
10	6 950 17	6 x 2P+⏚
		5 m cord
10	6 950 03	3 x 2P+⏚
10	6 950 08	4 x 2P+⏚
10	6 950 18	6 x 2P+⏚

Multi-outlet extensions

Example of use

Possibilities to orientate socket outlets



Possibilities of direct wall-mounting



Optimum space between 2 sockets to connect transfos, chargers



Characteristics

Safe control

Safe control indicates the power consumed and automatically shuts off the power if maximum power is exceeded



Voltage surge protector

an indicator shows the protection status



German standard cable reels and inspection lamps



0 507 67



0 622 41

Conform to EN 61 242 A 11
3000 W - 230 V~ (cable entirely unrolled) with thermal swith protection (manually resetable)

Pack	Cat.Nos	**Cable reels for on-site use**
		Intensive use - IP 44 - IK 08 Plastic structure Suspended from the wall and on a ladder Drum mounted on ball bearing winding for easy cable winding With child protection shutters
1	0 507 67	25 m - 3G 1.5 mm²
1	0 507 69	25 m - 3G 2.5 mm²
		Fluorescent inspection lamps
		IP 64 - IK 09 Supplied with fluorescent tube Class II 5 m cable H05 RNF (2 x 1 mm²)
1	0 622 40	8 W - 230 V - with 2P - 10/16 A plug G5 lampholder
1	0 622 41	11 W - 230 V - with 2P - 10/16 A plug
		IP 55 With hook - Rubber handle supplied with fluorescent tube, 2G7 lampholder
1	0 622 32	11 W - 230 V with 2P plug - 16 A 10 m cable - Class II
1	0 622 33	11 W - 24 V with Hypra plug 10 m cable - Class III

Lighting equipment



0 601 30



0 601 80



0 401 92



0 401 93



0 401 94



0 401 75

Pack	Cat.Nos	E 27 lampholder
50	0 601 21	Insulating material - 100 W Screw connection Threaded base - single bushing 10 mm connector With retaining screw 4 A - 250 V~
		Lampholders for public lighting
10	0 601 30	Porcelain - white Base retaining clip, protective skirt 4 A - 250 V~
10	0 601 80	E 27 lampholder Base retaining clip - 16 A max. One piece unit 16 A - 750 V~ E 40 lampholder
		Cord switches
		Fluorescent Easy connection by cutting the 2 wires Double pole
20	0 401 87	White spotted
		Coloured Easy connection by cutting the 2 wires Double pole
20	0 401 92	White
20	0 401 93	Old gold, old gold rocker
20	0 401 94	Black
		Door contact switch
10	0 401 75	Normally closed contactor complete with roller actuator Automatically illuminates cupboards upon opening of the door Single pole 2 A - 250 V

Shaverlights



6 915 06



0 606 37

0 606 25

Pack	Cat.Nos	Incandescent shaverlight - British standard
1	6 915 06	Conform to BS EN 60598 and IEE wiring regulations (16th edition) For linear incandescent tube, Ø25 mm, length 284 mm Polycarbonate diffuser Pull cord switch in front + 2P socket protected by a 20 VA transformer Supplied without lamp Incandescent shaverlight IP 24 - IK 04
		Fluorescent shaverlight - French standard
		IP 24 - IK 04 - class II
1	0 606 31 N	Switched 2G7 - 11 W - 900 lm
		IP 41 - IK 04 - class II
1	0 606 37 N	Striplight + ECO 1 detection - IR 180° - Detection field 15 m² G5 - 24 W - 1750 lm
		IP 44 - IK 04 - class II
1	0 606 32 N	With shaver socket with transformer 2G11 - 18 W - 1200 lm
		Halogen shaverlight - French standard
		Supplied with halogen tube Replace old striplights easily with their wide sockets Opal diffuser for better distribution of the luminous flux Equipped with an automatic switch-off system when the diffuser is removed, for increased safety IK 04 Glow wire resistance 750°C 30 sec. Base pre-cut for easy combination with the mini-trunking
		IP 24 - class II Supplied with base
10	0 606 20	Unswitched
10	0 606 21	Switched
10	0 606 28	Switched + 2P socket + transformer 230/20 VA
		IP 21 - class I
10	0 606 25	Switched with 2P+⏚ socket

Chimes



0 416 10 0 416 11 0 416 50

Pack	Cat.Nos	Surface-mounting radio-controlled chimes
1	0 416 13	**230 V chime kit** Composition: - weatherproof push-button - receiver Choice of 15 melodies 433 MHz - Range 100 m Configuration via switch to avoid interference
1	0 416 10	**8 V chime kit with light indicator** Composition: - weatherproof push-button - receiver Choice of 36 melodies 3 adjustable sound levels - Range 100 m 2 x 1.5 V AA alkaline batteries (not included) Preset configuration Wall and table mounting Possibility to connect 4 push-buttons
1	0 416 11	**8 V chime kit** Composition: - weatherproof push-button - receiver Choice of 36 melodies 2 x 1.5 V AA alkaline batteries (not included) Preset configuration Range 100 m Wall mounting
1	0 416 17	**Radio controlled push-button** Additional push-button for Cat.No 0 416 10
		Electromechanical chimes White Dim.: 116 x 116 x 48 mm Tone level: 80 dB at 1 m
1	0 416 50	**8-12 V~ chime** Compatible with non-illuminated push-button Cat.No 0 416 46 or illuminated push-buttons Cat.Nos 0 416 45/47 Use a 8 VA transformer Cat.No 0 042 25 or 0 420 25
1	0 416 51	**230 V~ chime** 2 note chime - 50/60 Hz Compatible with illuminated push-button Cat.No 0 416 45
1	0 416 52	**230 V~ chime with transformer** 50/60 Hz with built-in 8-12 V transformer Class II Compatible with non-illuminated push-button Cat.No 0 416 46 or illuminated push-buttons Cat.Nos 0 416 45/47

Bells, bell pushes



0 416 46 0 416 47 0 412 43

Pack	Cat.Nos	Bell pushes
		Surface-mounting White Supplied without fixing screws
5	0 416 46	**24 V - 2 A bell push** IP 30 - class III W Dim.: 50 x 25 x 20 mm
10	0 416 45	**230 V - 2 A bell push with illuminated label holder** IP 30 - class II Supplied without lamp Dim.: 70 x 35 x 24 mm Use lamps Cat.No 0 898 26 - 12 V and Cat.No 0 898 21 - 220 V
10	0 416 47	**24 V - 2 A universal - bell push with label holder** Weatherproof IP 44 (IK 07) - Class III W Dim.: 70 x 70 x 25 mm Illuminated with lamp Cat.No 0 898 26 Can be used with any type of chimes (electronic or electromechanical)
		Lido bells IP 20 - IK 04 Average acoustic output at 1 m: 80 dB at 1 m Surface-mounting with screws with levelling facilities

		Class II (double insulated)	Consumption (mA)	Average acoustic output at 1 m in dB
10	0 412 21	230 V~ - 50/60 Hz Dim.: 95 x 61 x 33 mm	30	80
1	0 412 43	**With built-in transformer** 230 V~ - 50/60 Hz Dim.: 135 x 88 x 48 mm Warning: take lamps out of the bell pushes	45	80

Movement detectors, **see p. 586**



Colour video door entry kit

1 apartment - 2-wires



3 693 10 : Complete video kit - black



3 692 00 : Complete video kit - white

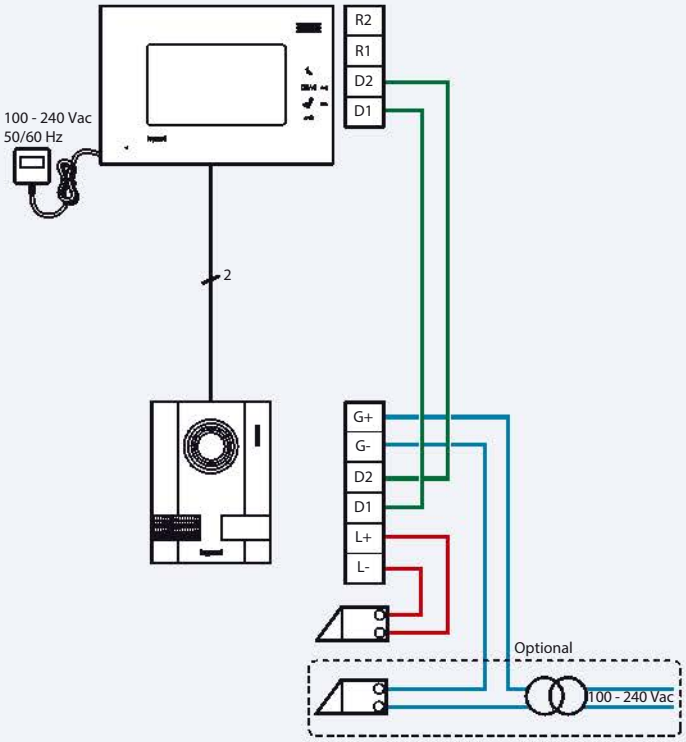
2-wires colour video hands free kit with wall mounted surface-mounting street panel (with rainshield included)
The kit can be expanded with up to 3 dedicated hands free internal units

Pack	Cat.Nos	7" colour touch screen video kits
		Complete video kits
		Composition: - 1 metal street panel (entrance) with colour camera and LED for the illumination of the field of view - 1 hands free touch screen colour display 7'' with audio and picture memory, MP3 melodies and plug in power supply included (Euro plug standard)
1	3 693 00	White
1	3 693 10	Black
		Additional video internal units
1	3 693 05	White
1	3 693 15	Black
		7" colour video kits
		Complete video kits
		Composition: - 1 metal street panel (entrance) with colour camera and LED for the illumination of the field of view - 1 hands free colour display 7'' with plug in power supply included (Euro plug standard)
1	3 692 00	White
1	3 692 10	Black
		Additional video internal units
1	3 692 05	White
1	3 692 15	Black
		3.5" colour video kits
		Complete video kits
		Composition: - 1 metal street panel (entrance) with colour camera and LED for the illumination of the field of view - 1 hands free colour display 3.5'' with plug in power supply included (Euro plug standard)
1	3 691 00	Grey
		Additional video internal unit
1	3 691 05	Grey

Colour video door entry kit

wiring diagrams

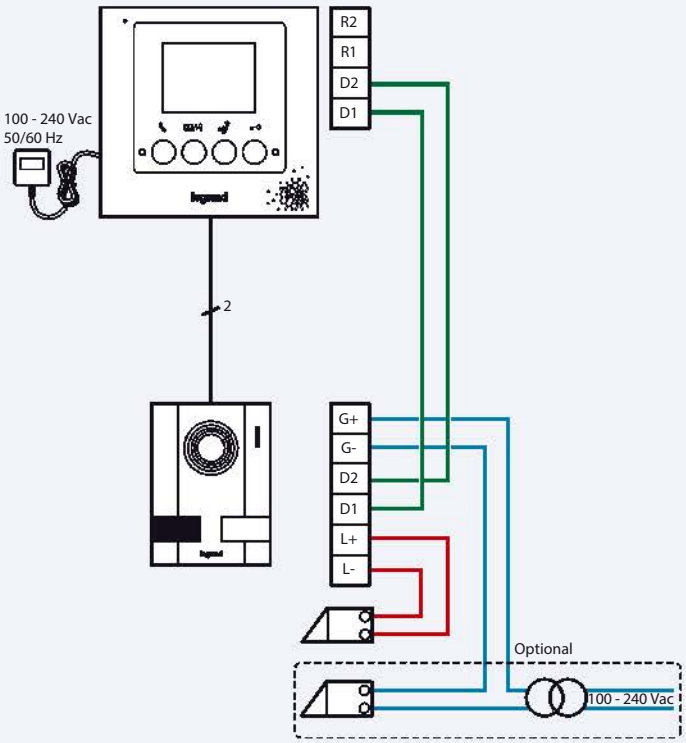
7" colour and 7" colour touch screen video kits



Cables specifications

2 x 0.5 mm²	2 x 1 mm²	2 x 1.5 mm²
0 - 50 m	0 - 75 m	0 - 100 m

3.5" colour video kits



Cables specifications

2 x 0.5 mm²	2 x 1 mm²	2 x 1.5 mm²
0 - 50 m	0 - 75 m	0 - 100 m

Colour video door entry kit

1 apartment - 4-wires



3 690 83 : Complete video kit



3 690 73 : Complete video kit

Surface-mounting street panel
4 wires (+ 2 to open the gate)
The monitor allows surveillance and opening of the gate
The system allows 2 additional monitors, with intercom function

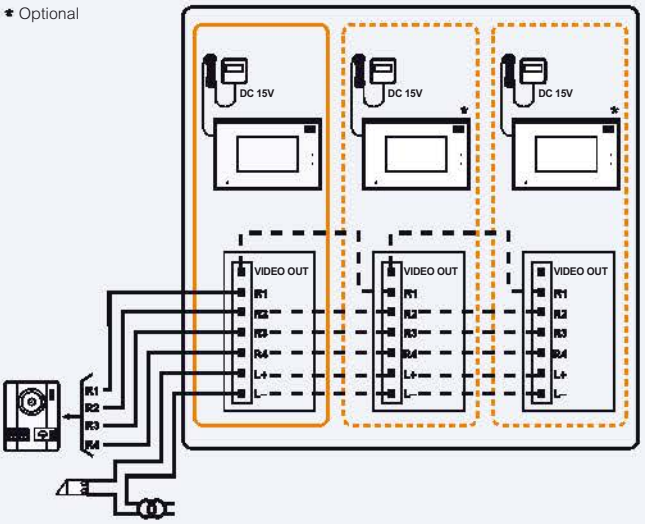
Pack	Cat.Nos	**7" colour video kits - hands free**
		German standard
1	3 690 80	Complete video kit Composition: - 1 metal street panel (entrance) with LEDs - 1 colour 7'' monitor with integrated power supply and German standard plug and cable - 1 wall-mounting base - 1 set of screws for wall fixing
1	3 690 85	Additional video internal unit
		British standard
1	3 690 83	Complete video kit Composition: - 1 metal street panel (entrance) with LEDs - 1 colour 7'' monitor with integrated power supply and British standard plug and cable - 1 wall-mounting base - 1 set of screws for wall fixing
1	3 690 88	Additional video internal unit
		3.5" colour video kits - with handset
		German standard
1	3 690 70	Complete video kit Composition: - 1 metal street panel (entrance) with LEDs - 1 colour 3.5'' monitor with integrated power supply and German standard plug and cable - 1 wall-mounting base - 1 set of screws for wall fixing
1	3 690 75	Additional video internal unit
		British standard
1	3 690 73	Complete video kit Composition: - 1 metal street panel (entrance) with LEDs - 1 colour 3.5'' monitor with integrated power supply and British standard plug and cable - 1 wall-mounting base - 1 set of screws for wall fixing
1	3 690 78	Additional video internal unit

Colour video door entry kit

wiring diagrams

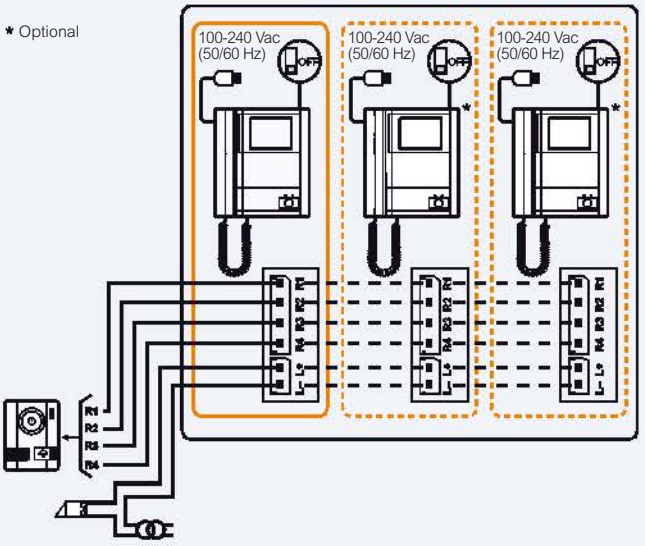
Colour screen analog video kit - Hands free

* Optional



Colour screen analog video kit - with handset

* Optional



Audio door entry kit with handset

1 apartment - 4-wires



3 690 00

Surface-mounting street panel
2 wires (+ 2 to open the gate)
Opening of gate with handset
The system allows 2 additional audio internal units
Can be used as intercom within the house

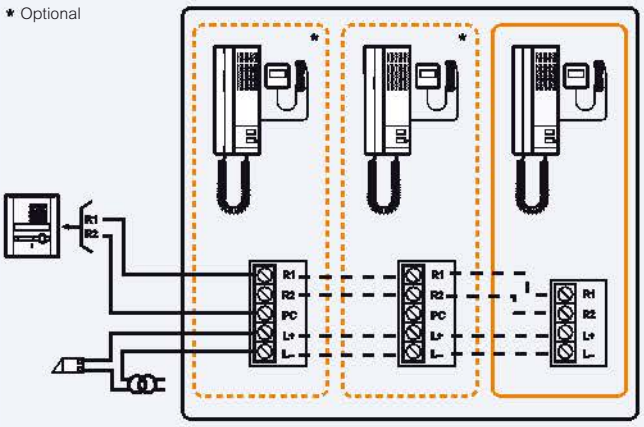
Pack	Cat.Nos	German standard
1	3 690 00	Complete audio kit Composition: - 1 slim street panel (entrance) - 1 audio handset with transformer equipped with German standard plug - 1 set of screws for wall fixing
1	3 690 05	Additional audio internal unit with transformer equipped with German standard plug
		British standard
1	3 690 03	Complete audio kit Composition: - 1 slim street panel (entrance) - 1 audio handset with transformer equipped with British standard plug - 1 set of screws for wall fixing
1	3 690 08	Additional audio internal unit with transformer equipped with British standard plug

Audio door entry kit with handset

wiring diagram

Audio kit - with handset

* Optional



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two personalities

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From standard and vandal resistant entrance panels and handsets through to home automation control units

SFERA NEW SLIM PROFILE

- From IP 54 up to IK 08
- Calls from push-buttons to address book

SFERA ROBUR INCREASED SAFETY

- Vandal resistant IP 54 up to IK 10
- Slim profile



Allwhite



Allmetal



Allstreet



Sfera Robur

12 FUNCTIONS MODULES NUMEROUS COMBINATIONS

- Traditional functions
- Specialist functions



Basic speaker module



Audio video module



Display module



A/V module with wide angle camera



Night & Day and wide angle camera module



Inductive loop and control speech synthesis module

2 WIRE SIMPLICITY WITH MAXIMUM PERFORMANCE



- Ideal for upgrading or refurbishment
- The 2 wire technology gives the possibility of turning an audio system into a colour video system without need for

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Movement detectors and door contact



0 419 11

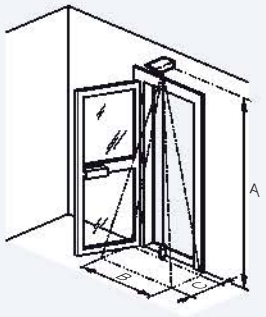


0 419 12

Pack	Cat.Nos	Movement detectors
		For shops, entrance halls
1	0 419 11	**Infrared detector** Electrical power 230 V~ - 50/60 Hz - class II IP 31 - IK 05 Possibility to connect one or several detectors with one or several electromechanical chimes (3 maxi) Cat.Nos 0 416 06/26 Adjustable time between 2 detections: 7 seconds
1	0 419 12	**Optical barrier** Electrical power 24 to 230 V~ - 50/60 Hz - class II IP 67 - IK 08 Compatible with all electronic wired chimes and Legrand bell Adjustable time between 2 detections: 7 seconds Supplied with reflector and fixing brackets
		Door contact
10	0 419 00	Class III Recessed contact - normally closed when door open and open when door closed

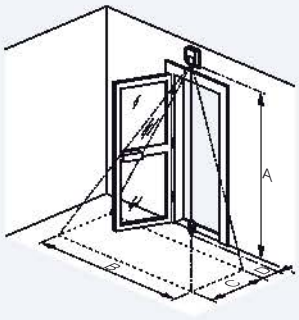
Infrared movement detector Cat.No 0 419 11

Horizontal installation



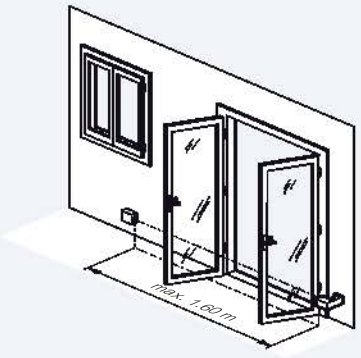
A	2.5 m	3 m	4.5 m
B	1 m	1.2 m	2 m
C	0.4 m	0.5 m	0.7 m

Vertical installation



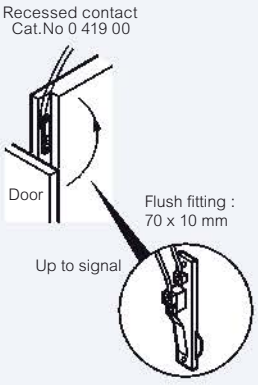
A	2.5 m	3 m	4.5 m
B	2.2 m	2.6 m	3.9 m
C	0.85 m	1 m	1.55 m
D	0.25 m	0.3 m	0.45 m

Optical barrier detector Cat.No 0 419 12



Door contact Cat.No 0 419 00

Chimes control SELV, bell or light (30 V max)



Technical alarm detectors for domestic premises

smoke alarm detectors, monoxide alarm detector, accessories



0 405 27



0 405 28



0 405 10

Pack	Cat.Nos	Stand alone smoke alarm detector
1	0 405 27	Detects the smoke Conform to EN 14604, CE CPR and NF DAAF approved (by AFNOR certification) Photoelectric technology guarantee without radioelement Gives a loud signal: 85 dB at 3 meters Powered by lithium battery (lifetime: 10 years, not replaceable) Life cycle of 10 years: Due date indicated on the product Fitted with: - “hush function” : in case of false alarm permit to stop the alarm sound for 10 minutes - grid insect protection (to avoid false alarm) - “anti-theft function” (suitable for rental housing – a tool is necessary to take off the detector) Delivered with screws and battery Made in France
1	0 405 28	**Wireless interconnectable smoke alarm detector** Detects the smoke Conform to EN 14604 and CE CPR and NF DAAF approved (by AFNOR certification) Photoelectric technology guarantee without radioelement Gives a loud signal – 85 dB at 3 meters Powered by lithium battery (lifetime: 10 years, not replaceable) Life cycle of 10 years: Due date indicated on the product Can be interconnected with 10 devices - Cat.No 0 405 28 (smoke alarm detector)or - Cat.No 0 405 29 (carbon monoxide alarm detector) or - Cat.No 0 405 14 (relay) When one device detects, all interconnected devices go into alarm Can be interconnected with My Home intruder alarm Suitable for housing with more one floor or more one device Fitted with: - “hush function” : in case of false alarm permit to stop the alarm sound for 10 minutes - grid insect protection (to avoid false alarm) - “anti-theft function” (suitable for rental housing – a tool is necessary to take off the detector) Delivered with screws and battery Made in France

Pack	Cat.Nos	Wireless interconnectable carbon monoxide alarm detector
1	0 405 29	Detects a concentration of carbon monoxide above 58 ppm Conform to EN 50291-1 and NF DAAF approved (by AFNOR certification) Electrochemical sensor Gives a loud signal – 85 dB at 1 meter Powered by lithium battery (lifetime: 7 years, not replaceable) Life cycle of 7 years: Due date indicated on the product Can be interconnected with 10 devices: - Cat.No 0 405 28 (smoke alarm detector) or - Cat.No 0 405 29 (carbon monoxide alarm detector) or - Cat.No 0 405 14 (relay) When one device detects, all interconnected devices go into alarm Suitable for housing with more one floor or more one device Delivered with screws and battery Made in France
1	0 405 14	**Wireless interconnectable relay** Change state upon detection of one of the interconnected devices Cat.No 0 405 28 or Cat.No 0 405 29 Breaking capacity: 1 A - 30 V Voltage range: 6 - 18 Vcc External back up power supply (not included) Can be interconnected with 10 devices: - Cat.No 0 405 28 (smoke alarm detector) or - Cat.No 0 405 29 (carbon monoxide alarm detector) When one device detects, all interconnected devices go into alarm Suitable to improve the housing safety Can be linked to flash to indicate the alarm condition to a deaf person, can send the alarm information on a telephone transmitter, can switch on the light to exit easier, can be linked to the home automation. Made in France
1	0 405 10	**Self-contained sounder beacon** 2 – 75 cd Technology led: white color Power supply: 230V – battery rescued 72H Sound < 60 dB Flash: Dimmable flash from 2 to 150 cd Suitable for deaf person Supplied with batteries Made in France



LIGHTING MANAGEMENT, EMERGENCY LIGHTING, ACCESS CONTROL & CCTV

Lighting management & indoor/outdoor lighting



P. 592
Motion sensors for 1 circuit



P. 599
Lighting Management BUS/SCS

Emergency lighting



P. 606
U34^{LED} indoor emergency lighting luminaires



P. 616
Safety portable lamp, spare parts and labels

Access control & CCTV



P. 621
Stand-alone indoor and outdoor access control kits



P. 627
Centralised controller, accessories and power supplies



P. 642
IP cameras

NEW PRODUCTS 2014



URA ONE, U21^{LED} units

- indoor LED maintained and non maintained units
- high power LEDs

(p. 608 and 609)



B65^{LED} units

- weatherproof LED maintained and non maintained units
- plug-in base

(p. 612)



P. 594
Lighting Management sensors for 1 circuit



P. 596
Configuration tools and accessories



P. 597
Controllers



P. 598
Lighting Management sensors for several circuits



P. 602
Weatherproof and vandal-resistant bulkhead lights

NEW
P. 608
URA ONE indoor self-contained emergency lighting luminaires

NEW
P. 609
U21^{LED} and U21^{NEW} indoor emergency lighting luminaires



NEW
P. 611
INOX^{LED}, B66^{LED} B65^{LED} and B65^{NEW} weatherproof emergency lighting luminaires



P. 614
S8 and B66 BS-compliant indoor standard emergency lighting luminaires



P. 618
LVS2 addressable & monitoring system



P. 620
Power packs



P. 622
Stand-alone keypads and badge readers



P. 623
Stand-alone biometric readers, energy saver units and badges



P. 625
Centralised keypads



P. 626
Centralised badge readers and biometric readers



NEW
P. 628
Smart Security system



NEW
P. 636
7" and 17" CCTV kits



P. 638
Analog cameras



P. 641
Analog DVRs



P. 645
IP Network Video Recorders



P. 646
CCTV video monitors



P. 649
Fire detection, alarm panels, sounders and safety boxes



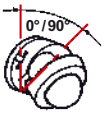
Smart Security system

solution to manage access control, CCTV, intruder alarm and technical alarm functions
(p. 628)

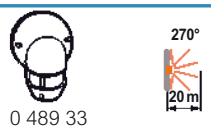
Motion and Lighting Management sensors for 1 circuit

selection chart

MOTION SENSORS

AREAS WITHOUT NATURAL LIGHT	INSTALLATION			
	Ceiling	Wall		
		Surface-mounting(2)	Flush-mounting(1)	
			Mosaic	Arteor
PASSAGE AREAS				
Hall / lobby Stairways / hallways Storage areas / technical areas	 0 488 03(1)	 0 489 11	 With neutral: 0 784 54 Without neutral: 0 784 55(4) Without neutral, for time-lag switch: 0 784 57	 With neutral: 5 740 47 Without neutral: 5 740 34(4)
OUTDOOR AND HUMID AREAS				
Internal/external parking lot Internal entrance areas IP 55	 0 697 40 / 0 697 80	 0 489 31 Fixed head   0 697 40 Directional head	-	

LIGHTING MANAGEMENT SENSORS

AREAS WITH NATURAL LIGHT	Automatic On-Off / Checking permanently the presence and day-light level			
WORKING AREAS				
Individual office / small room	 0 488 00 / 0 488 04(3)	 0 489 14	 With neutral: 0 784 52 Without neutral: 0 784 53	 With neutral: 5 740 49 Without neutral: 5 740 31
Open space / classroom / meeting room	 0 488 06(1) / 0 488 09	 0 489 16(3)	 With neutral: 0 784 52 Without neutral: 0 784 53	 With neutral: 5 740 49 Without neutral: 5 740 31
PASSAGE AREAS				
Hall / lobby Stairways / hallways	 0 488 07(1) / 0 488 08(1)	 0 489 17(3)	 With neutral: 0 784 54 Without neutral: 0 784 55(4) Without neutral, for time-lag switch: 0 784 57	 With neutral: 5 740 47 Without neutral: 5 740 34(4)
Hallways Very long areas	 0 488 17(1)	 0 489 17(3)	 With neutral: 0 784 54 Without neutral: 0 784 55(4)	 With neutral: 5 740 47 Without neutral: 5 740 34(4)
High ceiling areas (gymnasium, storage areas...) IP 55	 0 489 32 (Flush-mounting)	 0 489 33	-	
Restrooms, bathrooms Dressing room	 0 488 04(3)	 0 489 16(3)	 With neutral: 0 784 54 Without neutral: 0 784 55(4)	 With neutral: 5 740 47 Without neutral: 5 740 34(4)
OUTSIDE & HUMID AREAS				
Internal/outside parking lot Internal entrance areas IP 55	 0 489 32  0 489 33 Directional head	 0 489 33 Directional head	-	

1: Surface-mounting box option - 2: angle mounting option - 3: 1 lighting output + 1 fan output - 4: Retro-fit dedicated solution

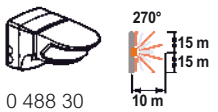
Lighting Management sensors and room controllers for multiple circuits control

selection chart

CHOOSE THE SENSOR...

Automatic On-Off
Checking permanently the presence and the light level

INSTALLATION

	Ceiling	Wall – Surface-mounting	Wall – Flush-mounting[1] Mosaic	Wall – Flush-mounting[1] Arteor
WORKING AREAS				
Individual office Classroom	 0 488 22	 0 488 23	 0 784 86	 5 740 48
PASSAGE AREAS				
Restrooms, changing rooms...	 0 488 20	 0 488 24	 0 784 85	 5 740 46
Hallways Very long areas	 0 488 20	 0 488 25	-	
High ceiling areas (gymnasium, storage area...)	-	 0 488 25	-	
OUTSIDE & HUMID AREAS				
Parking lot, cellar, laboratory, test room, changing room IP 55	-	 0 488 30	-	

... AND THE OUTPUTS TO MANAGE

	ON-OFF	DIMMING		
		DALI	1-10 V	Halogen - Incandescent - Dimmable LEDs [1]
1 lighting circuit in the same room	0 488 50	0 488 51	0 488 52	0 488 45
1 lighting circuit + fan output in the same room	0 488 50	0 488 51	0 488 52	-
2 lighting circuits in the same room	0 488 50	0 488 51	0 488 52	0 488 45
2 lighting circuits + 1 fan output in the same room	-	0 488 51	-	-
2 lighting circuits (2 inputs, 2 outputs) **in 2 rooms**	0 488 41	-	0 488 42 (1000 VA)	0 488 45
4 lighting circuits (4 inputs, 4 outputs) **in 4 rooms**	0 488 43	0 488 44 (max. 32 ballasts)	0 488 43	-
2 lighting circuits + 1 blinds output + 1 fan output (4 inputs, 4 outputs) **in the same room**	0 488 47	-	0 488 47	-

1: Refer to the load table in the data sheet available online in the e-catalogue (**Note**: some dimmable LEDs available on the market are not compatible)
N.B.: Manual switch option with 0 770 40/33 for 0 488 50/51/52 and with BUS/SCS controls for 0 488 41/42/43/44/45/47

Motion sensors for 1 circuit

motion sensors for passage areas without natural light


0 489 11


0 784 54


5 740 47


0 488 03


0 489 31


0 697 80
(directional head)

Selection chart **p. 590**

Automatic on/off
Manual adjustment of light level threshold and time delay via potentiometer
All load 8.5 A - 240 V

Pack	Cat.Nos	Ideal for passage areas
1	0 489 11	**PIR IP 42 wall/surface-mounting motion sensor, 180°** Range 8 m Recommended fixing height: 2.5 m 3-wire with neutral Light level threshold: 1 to 1000 lux Adjustable time delay: 5 s to 30 min Standby consumption: 0.7 W For direct surface-mounting on wall Can be mounted on an angle using accessory Cat.No 0 489 71 (p. 596)
	Mosaic | Arteor	**PIR IP 41 wall/flush-mounting motion sensors, 180°** Range 8 m Recommended fixing height: 1.2 m Light level threshold: 5 to 1275 lux Adjustable time delay: 5 s to 30 min Standby consumption: 0.4 W
1	0 784 55 | 5 740 34	○ White - with neutral
1	0 784 54 | 5 740 47	○ White - without neutral
1	0 784 57	**PIR IP 41 wall/flush-mounting motion sensor for timer, 180°** Range 8 m White - without neutral To be associated with a modular time-lag switch (p. 77) Replaces a push-button Recommended fixing height: 1.2 m Standby consumption: 0.2 W Adjustable time-delay: 30 s. to 12 min The time delay must be the same for the sensors and the time lag switch
1	0 488 03	**PIR IP 41 ceiling-mounting motion sensor, 360°** Range Ø8 m Recommended fixing height: 2.50 m 3-wire with neutral Light level threshold: 1 to 1000 lux Adjustable time delay: 5 s to 30 min Consumption: 0.5 W on standby Optimum distance between 2 sensors: 6 m Fixes directly to a false ceiling with mounting claws (included) or installed in a Batibox box, depth 50 mm Can be surface-mounted on ceiling using accessory Cat.No 0 488 75 (p. 596)

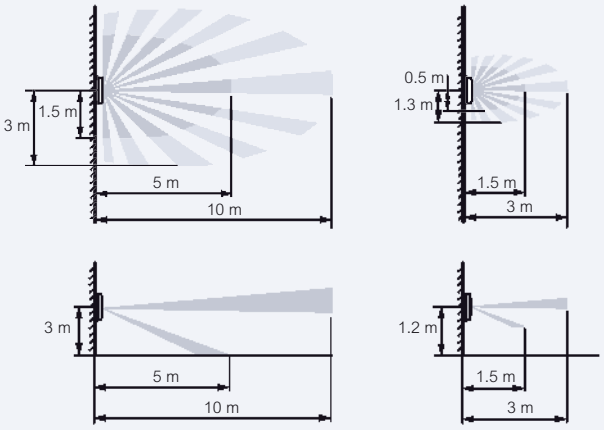
Pack	Cat.Nos	Ideal for outdoor and humid areas
1	0 489 31	**PIR IP 55 wall/surface-mounting motion sensor, 180°** Range 8 m Recommended fixing height: 2.5 m 3-wire with neutral Light level threshold: 5 to 1000 lux Adjustable time delay: 5 s to 30 min Standby consumption: 0.7 W For direct surface-mounting on wall Can be mounted on an angle using accessory Cat.No 0 489 71 (p. 596)
		PIR IP 55 wall or ceiling-mounting motion sensors, 360° With directional head, range Ø8 m Fix directly to ceiling or wall (min. height: 1.70 m) 3-wire with neutral Light level threshold: 1 to 1000 lux Adjustable time delay: 12 s to 16 min Standby consumption: 0.9 W Optimum distance between 2 sensors: 6 m
1	0 697 40	○ Grey
1	0 697 80	○ White

Motion sensors for 1 circuit

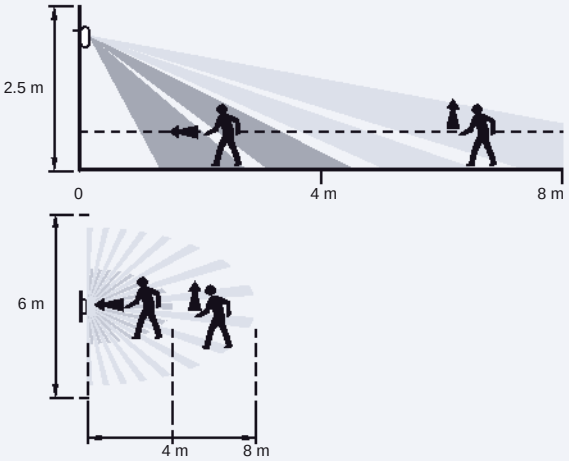
detection zones and load table

Detection zones

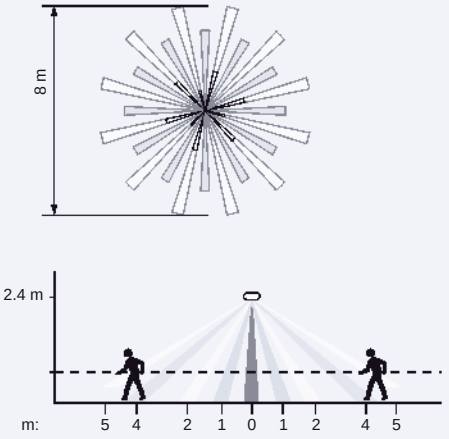
Cat.Nos 5 740 47/34, 0 784 54/55 and 0 792 58/59



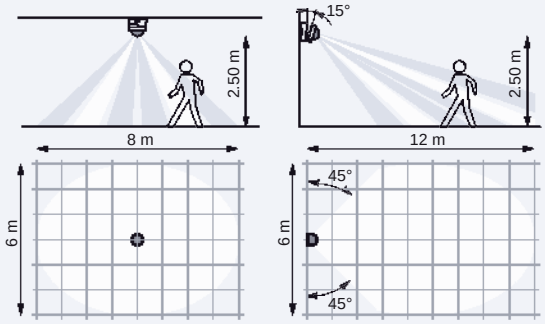
Cat.Nos 0 489 11/31



Cat.No 0 488 03



Cat.Nos 0 697 40/80



Load table

Cat.No	Halogen bulb	ELV halogen with ferromagnetic transformer	ELV halogen with electronic transformer	Fluorescent tube	Compact fluorescent bulb	LED
0 784 54 / 5 740 47	2000 W	1000 VA	1000 VA	10 x (2 x 36 W)	250 W	250 W
0 784 55 / 5 740 34	40 x 400 W	40 - 400 VA	40 - 400 VA	-	-	-
0 489 11	2000 W	1000 VA	1000 VA	10 x (2 x 36 W)	250 W	250 W
0 488 03	2000 W	1000 VA	1000 VA	10 x (2 x 36 W)	250 W	250 W
0 489 31	2000 W	1000 VA	1000 VA	10 x (2 x 36 W)	250 W	250 W
0 697 40/80	2000 W	1000 VA	1000 VA	10 x (2 x 36 W)	250 W	250 W

Lighting Management sensors for 1 circuit

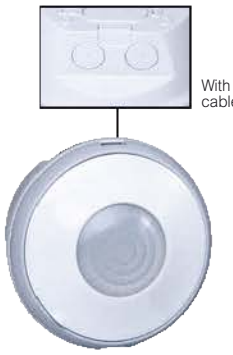
Lighting Management sensors for passage areas with natural light


0 488 17


0 488 08


0 489 17


0 489 33



0 489 32

Selection chart **p. 590**
Technical characteristics **see e-catalogue**

Check presence and natural light level continuously, switch off when there is sufficient natural light
Occupancy mode (automatic switch-on/off factory setting)
Can be used with push-button Cat.No 0 770 40 (or illuminated push-button Cat.No 0 770 33) for vacancy mode (manual switch-on and manual or automatic switch-off)
Precise on-site adjustment using configuration tool Cat.No 0 882 30 (p. 596)
Adjustable time delay: 5 s to 59 min. Light level threshold adjustable from 5 to 1275 lux

Pack	Cat.Nos	Ideal for passage areas
		PIR ceiling-mounting Lighting Management sensors, 360° Fix directly to a false ceiling with mounting claws (included) or installed in a Batibox box, depth 50 mm, Cat.No 0 893 58 3-wire with neutral Standby consumption: 0.4 W Recommended fixing height: 2.5 m
1	0 488 17	Lateral detection 24 m Ideal for hallway, side range 2 x 12 m IP 20 Optimum distance between 2 sensors: 20 m Connection via automatic terminals Surface mounted on ceiling using accessory Cat.No 0 488 75 (p. 596)
1	0 488 07	Range Ø8 m Optimum distance between 2 sensors: 6 m Connection via automatic terminals Surface mounted on ceiling using accessory Cat.No 0 488 75 (p. 596)
1	0 488 08	Range Ø8 m Optimum distance between 2 sensors: 6 m Fast connection
		PIR IP 42 wall/surface-mounting Lighting Management sensor, 180°
1	0 489 17	Range 15 m Recommended fixing height: 2.5 m 3-wire with neutral Additional 2 A contact for HVAC control based on presence data Standby consumption: 0.4 W Can be mounted on an angle using accessory Cat.No 0 489 71 (p. 596)

Pack	Cat.Nos	Ideal for outdoor and humid areas
		PIR IP 55 wall or ceiling-mounting Lighting Management sensor, 270°
1	0 489 33	Multi lens sensor with directional head, range 18 m Recommended fixing height: 2.5 m 3-wire with neutral Standby consumption: 0.7 W Can be mounted on an angle using accessory Cat.No 0 489 72 (p. 596)

Ideal for high ceiling areas

Pack	Cat.Nos	
		PIR IP 55 ceiling/surface-mounting Lighting Management sensor, 360°
1	0 489 32	Range: Ø20 m at 10 m high, Ø8 m at 2.5 m high 3-wire with neutral IP 66 with cable gland Cat.No 0 980 23 Optimum distance between 2 sensors: 20 m Standby consumption: 0.4 W Compatible with Cablofil cable trays

Ideal for storage areas and restroom

Pack	Cat.Nos		
			PIR wall, flush-mounting Lighting Management sensors, 180°
			180° infrared detection, range 8 m Recommended fixing height: 1.2 m Standby consumption: 0.2 W Optimum distance between 2 sensors: 6 m 2-wire cable (without neutral) For installation in box, depth 40 mm min., or in surface-mounting box Cat.No 0 802 81 2 modules Without neutral
	Mosaic	Arteor	
1	0 784 55	5 740 34	○ White



Examples of solutions for classroom, open-space office and meeting room

Lighting Management sensors for 1 circuit

Lighting Management sensors for working areas with natural light



0 488 09



0 489 16

Lighting Management sensor: Integrated push-button



0 784 52 / 0 784 53 / 5 740 31 / 5 740 49



0 488 04

Selection chart **p. 590**
Technical characteristics **e-catalogue**

Check presence and light level continuously, switch off when there is sufficient natural light
Occupancy mode (automatic switch-on/off factory setting)
Can be used with push-button Cat.No 0 770 40 (or illuminated push-button Cat.No 0 770 33) for vacancy mode (manual switch-on and manual or automatic switch-off)
Infrared and ultrasonic Lighting Management sensors for workplaces, allowing precise presence detection as soon as the wave transmitted by the sensor is modified (for example, by hand movement on a keyboard)
Precise on-site adjustment using configuration tool (p. 596)

Pack	Cat.Nos	Ideal for working areas
		Suitable for meeting room, classroom, open space, etc.
		Dual technology ceiling-mounting Lighting Management sensors, 360° Infrared and ultrasonic detection, Ø8 m IP 20 3-wire with neutral Optimum distance between 2 sensors: 6 m Standby consumption: 0.8 W Fix directly to a false ceiling with mounting claws (included) or installed in a Batibox box, depth 50 mm
1	0 488 06	Connection via automatic terminals Can be surface-mounted in ceiling using accessory Cat.No 0 488 75 (p. 596)
1	0 488 09	Fast connection
		PIR technology wall/surface-mounting Lighting Management sensor, 180°
1	0 489 14	With presence output Infrared and ultrasonic detection, range (front) 8 m Recommended fixing height: 2.5 m 3-wire with neutral IP 42 Additional 2 A contact for HVAC control based on presence data Consumption: 0.4 W on standby Optimum distance between 2 sensors: 10 m Can be surface-mounted on ceiling using accessory Cat.No 0 489 71 (p. 596)
		Dual technology wall/surface-mounting Lighting Management sensor, 180°
1	0 489 16	With presence output Infrared and ultrasonic detection, range (front) 8 m Recommended fixing height: 2.5 m 3-wire with neutral IP 42 Additional 2 A contact for HVAC control based on presence data Consumption: 0.4 W on standby Optimum distance between 2 sensors: 10 m Can be surface-mounted in ceiling using accessory Cat.No 0 489 71 (p. 596)

Pack	Cat.Nos	Ideal for offices
		Dual technology wall, flush-mounting Lighting Management sensors, 180° Infrared and ultrasonic detection, range 8 m Recommended fixing height: 1.20 m Standby consumption: 0.2 W Optimum distance between 2 sensors: 6 m 3-wire cable IP 41 For installation in box, depth 40 mm min., or in surface-mounting box Cat.No 0 802 81 2 modules
	Mosaic / Arteor	
1	0 784 52 / 5 740 49	With neutral
1	0 784 53 / 5 740 31	Without neutral
		PIR ceiling-mounting Lighting Management sensors, 360° Range Ø8 m 3-wire with neutral Optimum distance between 2 sensors: 6 m Standby consumption: 0.8 W Fix directly to a false ceiling with mounting claws (included) or installed in a Batibox box, depth 50 mm Can be surface-mounted in ceiling using accessory Cat.No 0 488 75 (p. 596)
1	0 488 00	Without 2 A contact for HVAC control
1	0 488 04	With an additional 2 A contact for HVAC control, based on presence data

Examples of solutions for classroom, open-space office and meeting room

Configuration tools and accessories



0 882 35



0 882 30



RJ 45 connectors



0 488 72



0 488 68

Technical characteristics **see e-catalogue**

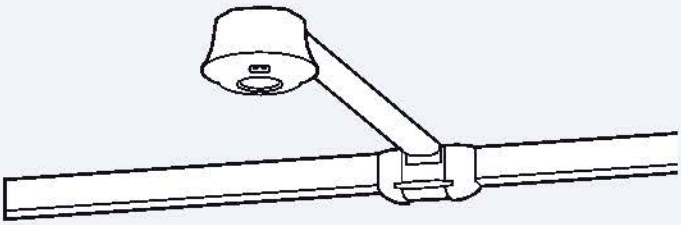
Pack	Cat.Nos	
		Configuration tools for Lighting Management sensors
		All sensors are supplied with factory settings: - 500 lux light level threshold for ceiling mount sensors, 300 lux for surface and flush mounting sensors - 15-minute time delay and walkthrough function activated The configuration tools are used to adjust these presets and the detection sensitivity.
1	0 882 35	Step programming on preset buttons
1	0 882 30	Digital programming to one decimal place on the digital screen Instant programming control Used to display the parameters of each sensor Option to store settings in the memory and to apply them to other sensors Standard preset configurations for each room type (office, hallway, etc.) according to EN 12 464
		RJ 45-BUS/SCS connector
		Used to connect controller(s) and sensor(s) to a BUS/SCS cable via tap-off
10	0 488 72	Male connector
		RJ 45 doubler
10	0 488 68	Used to double the number of controller inputs
		Surface-mounting boxes
1	0 488 75	For ceiling-mounting sensors Cat.Nos 0 488 00/03/04/06/07/08/09/17/20/22/35
		Fixing accessories for angled installations
1	0 489 71	For surface-mounting sensors Cat.Nos 0 489 11/14/16/17/31
1	0 489 72	For surface-mounting sensor Cat.No 0 489 33
		Accessories
1	0 489 75	Rotate accessory for surface-mounting boxes, for sensors Cat.Nos 0 489 11/14/16/17/31
1	0 489 74	Protection basket for sensors Cat.Nos 0 489 11/14/16/17/31/32/33

Examples of solutions for classroom, open-space office and meeting room

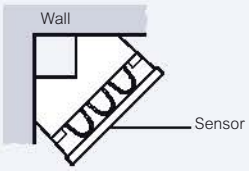
Customising settings on-site

All sensors are preset in the factory
• 500 lux light level threshold for ceiling-mounting sensors and 300 lux for surface-mounting sensors
• 15-minute time delay and walkthrough function activated
The configuration tools are used to adjust the preset settings and the detection sensitivity

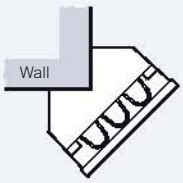
Installing surface-mounting boxes Cat.No 0 488 75



Installing fixing accessories on an angle (view from above)



Mounting on internal angle



Mounting on external angle

Lighting Management sensors for managing several circuits

multi-circuit ceiling-mounting controllers for areas with natural light

Local control solutions

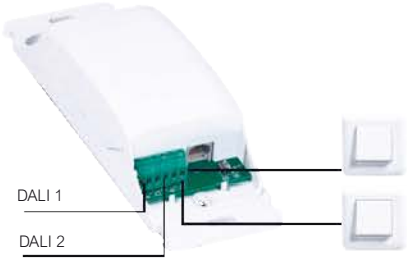


Rear view
Connection via screw terminals





Rear view
Connection via screw terminals



0 488 51



0 488 41

Sensor and controller selection chart **p. 591**
Technical characteristics **see e-catalogue**

Ceiling-mounting or installation in Cablofil cable trays (see Legrand Cable Management catalogue)
Connection to sensors (Cat.Nos 0 488 20/22/30/24/23/25 and 0 784 85/86, 5 740 46/48) by cord or RJ 45 cable (p. 677) or BUS/SCS cable to be fitted with RJ 45 connector Cat.No 0 488 72 (p. 596)

Pack	Cat.Nos	For controlling 1 or 2 circuits in one room
		1 sensor input, 2 inputs for auxiliaries 2 outputs Can be used with a push-button, including a push-button with LED indicator, Cat.Nos 0 770 40/33 for manual switch-on and manual or automatic switch-off
1	0 488 50	**ON/OFF** 2 x 16 A outputs Used to control 2 ON/OFF lighting circuits or 1 lighting circuit + 1 ventilation circuit Connection via screw terminals
1	0 488 51	**Dimming - DALI ballast** 2 DALI outputs (32 ballasts max.) and 1 ventilation output (volt-free contact) Used to vary the light level on the window side of a room (where there is more natural light) separately from the hallway side Used to control a maximum of 32 DALI ballasts Connection via screw terminals
1	0 488 52	**Dimming - 1-10 V ballast** 2 x 1000 VA lighting outputs Used to vary the light level on the window side of a room (where there is more natural light) separately from the hallway side Connection via screw terminals

Pack	Cat.Nos	For controlling 2 lighting circuits
		Can be controlled for each output by a sensor and/or an individual BUS control unit Addressing methods using sensors and control units: - automatic configuration - custom configuration by pressing the "Learn" button on the product
1	0 488 41	**ON/OFF** 2 x 16 A outputs
1	0 488 42	**Dimming - 1-10 V ballast** 2 outputs 1000 VA maximum per output
1	0 488 45	**Dimming - LV and ELV halogen** 2 outputs 1000 W maximum per output

Pack	Cat.Nos	For controlling 4 lighting circuits
		Can be controlled for each output by a sensor and/or an individual BUS control unit Addressing methods using sensors and control units: - automatic configuration - custom configuration by pressing the "Learn" button on the product
1	0 488 43	**Dimming - ballast 1-10 V or ON/OFF** 4 outputs 1000 VA maximum per output
1	0 488 44	**Dimming - DALI ballast** 4 outputs 32 ballasts maximum per output

		For controlling 2 lighting circuits, 1 shutter and 1 HVAC contact
		Can be controlled for each output by a sensor and/or an individual BUS control unit Addressing methods using sensors and control units: - automatic configuration - custom configuration by pressing the "Learn" button on the product
1	0 488 47	2 ON/OFF or 1-10 V dimming lighting outputs 1 output for roller shutters 1 ventilation output (volt-free contact)

Examples of solutions for classroom, open-space office and meeting room

Lighting Management sensors for managing several circuits

Lighting Management sensors for controllers for passage areas and working areas with natural light

Local control solutions



Connection to controller via cord or RJ 45 cable



0 488 25
(IR detection)

Integrated push-button



0 784 86 / 5 740 48



0 488 22
(IR + US detection)



0 488 23
(IR + US detection)

Sensor and controller selection chart **p. 591**
Technical characteristics **see e-catalogue**

Check presence and light level continuously, switch off when there is sufficient natural light
Automatic switch-on/off (factory setting)
Precise on-site adjustment using configuration tool (p. 596)
Connect to controllers by cord or RJ 45 cable or BUS/SCS cable to be fitted with RJ 45 connector Cat.No 0 488 72 (p. 596)

Ideal for large areas

Pack	Cat.Nos	
1	0 488 20	**PIR technology ceiling-mounting Lighting Management sensor, 360°** Range Ø8 m IP 20 Optimum distance between 2 sensors: 6 m Consumption: 0.2 W on standby Fixes directly to a false ceiling with mounting claws (included) or installed in a Batibox box, depth 50 mm Can be surface-mounted on ceiling using accessory Cat.No 0 488 75
1	0 488 25	**PIR technology wall/surface-mounting Lighting Management sensor, 140°** With directional head, range 30 m IP 42 Consumption: 0.2 W on standby Supplied with fixing plate
1	Mosaic 0 784 85 / Arteor 5 740 46	**PIR technology wall, flush-mounting Lighting Management sensors, 180°** Range 8 m Recommended fixing height: 1.2 m IP 41 Consumption: 0.2 W on standby Integrated push-button For installation in box, depth 40 mm min., or in surface-mounting box Cat.No 0 802 81 2 modules
1	0 488 24	**PIR technology wall/surface-mounting Lighting Management sensor, 180°** With directional head, range (front) 5 m IP 42 Consumption: 0.2 W on standby Supplied with fixing plate

Ideal for outdoor and humid areas

Pack	Cat.Nos	
1	0 488 30	**PIR technology wall/surface-mounting Lighting Management sensor, 270°** Detection: side range 2 x 15 m and front range 10 m IP 55 Consumption: 0.5 W on standby Supplied with fixing plate

Ideal for working areas

Pack	Cat.Nos	
1	Mosaic 0 784 86 / Arteor 5 740 48	**Dual technology wall, flush-mounting Lighting Management sensors, 180°** Infrared and ultrasonic detection, range 8 m Recommended fixing height: 1.2 m IP 41 Consumption: 0.2 W on standby Integrated push-button For installation in box, depth 40 mm min., or in surface-mounting box Cat.No 0 802 81 2 modules
1	0 488 22	**Dual technology ceiling-mounting Lighting Management sensor, 360°** Infrared and ultrasonic detection, range Ø8 m Recommended fixing height: 2.50 m IP 20 Optimum distance between 2 sensors: 6 m Consumption: 0.5 W on standby Fixes directly to a false ceiling with mounting claws (included) or installed in a Batibox box, depth 50 mm Can be surface-mounted on ceiling using accessory Cat. No 0 488 75 (p. 596)
1	0 488 23	**Dual technology wall/surface-mounting Lighting Management sensor, 180°** Infrared and ultrasonic detection with directional head, range (front) 7 m Consumption: 0.5 W on standby Supplied with fixing plate

Light level measurement cell

Pack	Cat.Nos	
1	0 488 28	For synchronising the light level measurement when used with sensors Use the configuration tool Cat.No 0 882 30 (p. 596) to configure the light level cell Connects to the BUS/SCS cable with connector Cat.No 0 488 72 IP 20

RJ 45-BUS/SCS connectors

Pack	Cat.Nos	
10	0 488 72	Used to connect controller(s) and sensor(s) to a BUS/SCS cable via tap-off Male connector
10	0 488 73	Female connector

Examples of solutions for classroom, open-space office and meeting room


0 791 75


0 784 73


0 784 78

Sensor and controller selection chart **p. 591**
Technical characteristics **e-catalogue**

Connection:
- to the BUS/SCS controller via cord or RJ 45 cable or BUS/SCS cable to be fitted with RJ 45-BUS/SCS connector Cat.No 0 488 72 (p. 596)
- directly to the BUS/SCS cable (supplied with BUS/SCS connector Cat.No 3515 for connection to the BUS/SCS cable via tap-off)

To be fitted with Mosaic cover plates and Batibox support frames

Pack	Cat.Nos	ON/OFF lighting controls
		Push-button control used to control 1 controller
		1-way
		Used to control 1 lighting circuit (1 output)
	Mosaic	
1	0 784 75	○ White
1	0 791 75	● Aluminium
		2-way
		Used to control 2 lighting circuits (2 outputs)
1	0 784 72	○ White
1	0 791 72	● Aluminium
	Arteor	
1	0 675 53	ON/OFF control unit To be equipped with cover plates (p. 410), support frames and plates (p. 386-393 and 408)

Pack	Cat.Nos	Switch multifunction controls
		Used to control several controllers (or several outputs on one or more controllers): ON/OFF, dimming, ventilation, roller shutters
	Mosaic	**1-way**
1	0 784 71	○ White
1	0 791 71	● Aluminium
		2-way
1	0 784 73	○ White
1	0 791 73	● Aluminium
	Arteor	
1	0 675 52	"Switch type" multifunctional control unit To be equipped with cover plates (p. 410), support frames and plates (p. 386-393 and 408)

Pack	Cat.Nos	Scenario controls
		Used to control several controllers
		2 scenarios
		4 buttons used to manage the start and end of each scenario Example: adjusting lighting levels, controlling lighting with shutters, etc.
	Mosaic	
1	0 784 78	○ White
1	0 791 78	● Aluminium
	Arteor	
1	5 739 02	○ White
1	5 739 03	● Magnesium


0 784 89


0 784 94


5 735 03

Directly connected to the KNX Bus (supplied with KNX connector)
Programming through ETS software
For lighting control (ON/OFF, dim, scenario, etc.), shutters and slats controls, automation control
Equipped with 4 programmable Red Green Blue LEDs (12 colours available) to indicate the status of the loads and provide system and alarm status feedback

Pack	Cat.Nos	KNX control units - Mosaic™ Programme
		To be equipped with support frames and plates
		1 pushbutton
1	0 784 89	1 actuation point
1	0 784 95	2 actuation points
		2 pushbuttons
1	0 784 94	2 actuation points
1	0 784 96	4 actuation points
		4 pushbuttons
1	0 784 91	4 actuation points With label-holder

Pack	Cat.Nos	KNX control units - Arteor
		To be equipped with cover plates (p. 410), support frames and plates (p. 386-393 and 408)
		1 or 2 pushbuttons
1	0 675 71	4 actuation points
		4 pushbuttons - square version
		4 actuation points With label-holder
1	5 742 03	○ White
1	5 744 04	● Magnesium
		4 pushbuttons - round version
		4 actuation points With label-holder
1	5 735 02	○ White
1	5 735 03	● Magnesium

KNX
smart control
from Legrand



KNX manual controls
Multifunction controls with LED colour feedback to meet highest requests of technology and design



KNX sensors
For automatic lighting control of open spaces, individual offices, corridors and outdoor areas
To maximise energy savings



Hotel controller



False-ceiling controller



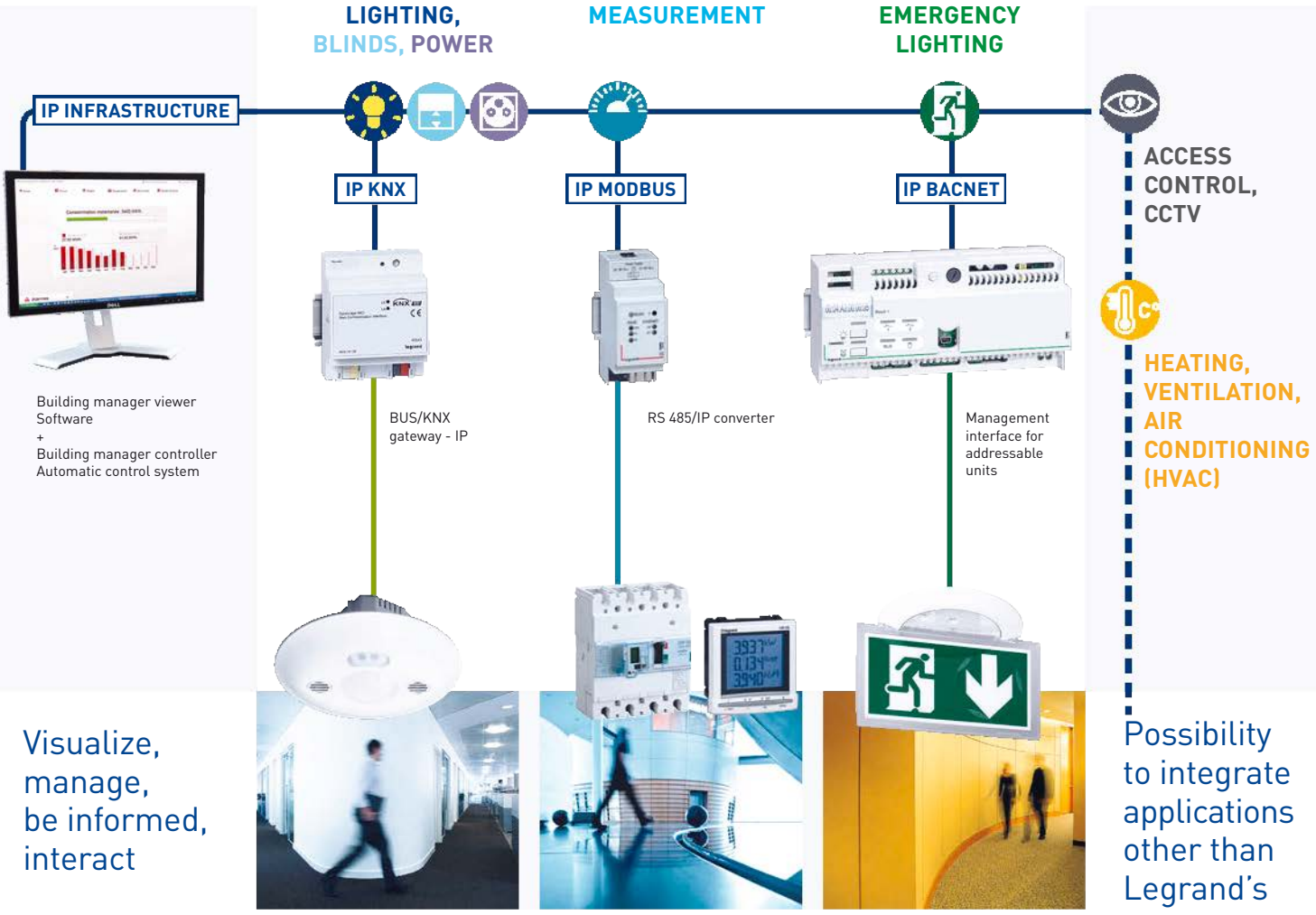
DALI controller

KNX controllers
To control any kind of luminaires:
DALI – 1-10 V – LEDs
To provide maximum comfort and flexibility

For detailed information, please refer to the Legrand KNX brochure:
www.docexport.legrand.com

Fully compatible smart infrastructure

Legrand's active building management solutions are based on a smart communication infrastructure compatible with various protocols such as KNX, Modbus, DALI and Bacnet



Visualize, manage, be informed, interact

Possibility to integrate applications other than Legrand's

Weatherproof bulkhead lights IP 44/IP 54


0 604 50


0 604 14


0 604 05



0 624 20


0 620 20

Dimensions **see e-catalogue**

Pack	Cat.Nos	Round - IP 44 - IK 07 - Class II
		Polypropylene base For 15 W compact fluorescent lamps Diffuser is assembled by a 1/4 turn rotation Porcelain lampholder White RAL 9010
	B 22 | E 27	
5	0 604 50 | 0 604 51	Glass diffuser
10	0 604 58 | 0 604 59	Polycarbonate diffuser
		Oval - IP 44 - IK 06 - Class II
		Polypropylene base Glass diffuser Galvanised steel or plastic Protection wire grid 3 side knockable entries, for Ø16, 20 mm cable - 230 V - 50 Hz Self-extinguisting: 850 °C For compact fluorescent lamps Porcelain lampholder Screw terminals
	Grey | White	**12 W - E 27**
12	0 604 14	Metal grid - no tool required
12	0 604 15	Metal grid - screw fixing
12	0 604 05 | 0 604 92	Plastic grid - screw fixing
	Grey	**20 W - E 27**
10	0 604 19	Metal grid - screw fixing

Pack	Cat.Nos	Round - IP 54 - IK 04 - Class II
		Polycarbonate base and trim Diffuser: opal glass Self-extinguishing: 850 C° 30 sec. Compact fluorescent lamp can be used in bulkhead lights with E 27 lampholder High resistance weatherproof seal Captive screws Automatic terminals
	White	**With integrated sensor - for domestic, commercial areas** Ø 310 mm
1	0 624 20	Integrated 4000K 830 lm LED bulkhead light with detection + switch-off warning + adjustable automatic standby On/off by switch or sensor: - ON: progressive to 100% flow in 3 sec. - OFF: initiation of Switch-off warning and Standby functions Switch-off warning: progressive reduction in the light flow to 10% in 12 sec. Adjustable automatic standby: light flow at 10% timed for 30 min. Can monitor bulkhead lights Cat.Nos 0 624 10/11/12 (loads must not be mixed) Possibility to: - implement several bulkhead lights Cat.No 0 624 20 per line - adjust settings (time delay, daylight setpoint and detection range…) with configuration tool Cat.No 0 882 30 (p. 596)
1	0 624 21	53 W 850 lm halogen bulkhead light with detection Halogen lamp supplied Possibility to manually adjust settings: time delay, daylight setpoint and detection range…
		Standard - for domestic, commercial areas Ø 310 mm
1	0 624 10	4000K 830 lm LED bulkhead light
1	0 624 12	For E27 - 53 W - 850 lm halogen lamp (supplied)
1	0 624 11	For G24Q2 - 18 W - 1200 lm fluorescent lamp (supplied) With electronic ballast
		Decorative - for exterior use
1	0 620 20	E27 - 100 W - PL 15 W bulkhead light Plain - size 2 - Ø 340 mm Electrical connection: 1 entry via the rear with membrane gland Supplied without lamp in cardboard box

Weatherproof and vandal-resistant bulkhead lights IP 54/IP 55


0 604 83 + 0 605 09


0 624 02


0 624 25


0 624 25 + 0 624 49


0 624 15

Dimensions **see e-catalogue**

For domestic, commercial areas and tough environments

Pack	Cat.Nos	Weatherproof bulkhead lights for tough environments
		Metal/glass bulkhead lights. For exterior/indoor use For industrial use. Earth terminal - 3 entries in T Operating temperature: - min.: - 30 °C, - max.: + 35 °C
	E 27	IP 55 - IK 04
1	0 604 77	Oval - for 55 W halogen, 17 W compact fluorescent or 8 W LED lamps With colourless glass diffuser
1	0 605 08	Metal protection grid for Cat.No 0 604 77 For IK 07 protection
1	0 604 83	Round - for 70 W halogen, 20 W compact fluorescent or 12 W LED lamps With colourless diffuser
1	0 605 09	Metal protection grid for Cat.No 0 604 83 For IK 07 protection

Pack	Cat.Nos	Plexo rectangular - IP 54 - IK 08 - class II
		Polycarbonate diffuser, mounted on hinge Opening can be reversed Top/Base Supplied with one Plexo end cap, not assembled Through wiring or terminal connection (side or rear) Lampholder mounted on reflector (swivel pull-out type) Grey base self-extinguisting: 850 °C For E27 - 55 W halogen, 17 W compact fluorescent or 8 W LED lamps
	E 27	
5	0 624 00	With clear diffuser
5	0 624 02	With red diffuser

Pack	Cat.Nos	Round Koro bulkhead lights and accessory
		IP 54 - IK 08 - class II Polycarbonate diffuser, mounted on hinge Opening can be reversed right/left Supplied with 1 Plexo end cap, not assembled Through wiring or terminal connection (side or back) Porcelain lampholder mounted on reflector (swivel pull-out type) Self-extinguishing at 850 °C White
	E 27	
5	0 624 25	For E27 - 70 W halogen, 20 W compact fluorescent or 12 W LED lamps
		Finishing accessories
1	0 624 49	White clip-on cover plate for round bulkhead lights Polycarbonate

Pack	Cat.Nos	Vandal-resistant Koro bulkhead lights
		For risk situation, indoors and outdoors tough environments, internal and external applications **IP 55 - IK 09 - class II** Security assured by covering trim Locked with 2 special screws which may be locked with key Cat.No 0 919 45 (below) Shock-resistant polycarbonate diffuser Opening can be reversed right / left supplied with 1 Plexo membrane gland Through-wiring or terminal connection (side or rear) White
	E 27	
1	0 624 15	Round for E27 - 70 W halogen or 20 W compact fluorescent lamps
		Vandal resistant accessory
1	0 919 45	Screwdriver to remove/tighten tamperproof screws

Select your emergency lighting luminaires

INDOOR SELF-CONTAINED EMERGENCY LIGHTING LUMINAIRES

	OPERATING MODE			IP	IK	DURATION	LUMEN OUTPUT RANGE	BATTERY TYPE	LIGHTING SOURCE	Cat.Nos	
	NM[1]	M[1]	C/S[1]							Standard	Autotest / Adressable LVS2
U34[LED] (p. 606)											
	Yes	Yes	-	42	07	1 h	250 Lm	Ni-MH	LED	6 611 60	6 621 60
	Yes	Yes	-				450 Lm	Ni-MH	LED	6 611 80	6 621 80
	Yes	Yes	-			3 h	200 Lm	Ni-MH	LED	6 611 90	6 621 90
URA ONE (p. 608)											
	Yes	-	-	42	07	1 h	70 Lm	Ni-Cd	LED	6 616 20	-
	Yes	-	-				100 Lm	Ni-Cd	LED	6 616 21	-
	Yes	Yes	-					Ni-Cd	LED	6 616 31	6 626 31
	Yes	-	-				160 Lm	Ni-Cd	LED	6 616 22	-
	Yes	Yes	-					Ni-Cd	LED	6 616 32	-
	Yes	Yes	-				200 Lm	Ni-Cd	LED	6 616 33	6 626 33
	Yes	Yes	-				350 Lm	Ni-Cd / Ni-MH	LED	6 616 34	6 626 34
	Yes	Yes	-			3 h	100 Lm	Ni-MH	LED	6 616 40	6 626 40
U21[LED] (p. 609)											
	Yes	-	-	42	04	1 h	70 Lm	Ni-Cd	LED	6 616 01	-
	Yes	-	-				100 Lm	Ni-Cd	LED	6 616 02	-
	Yes	Yes	-					Ni-Cd	LED	6 616 03	6 626 03
	Yes	-	-				160 Lm	Ni-Cd	LED	6 616 05	-
	Yes	Yes	-				200 Lm	Ni-Cd	LED	6 616 06	6 626 06
	Yes	Yes	-				350 Lm	Ni-Cd / Ni-MH	LED	6 616 07	6 626 07
	Yes	Yes	-			3 h	100 Lm	Ni-MH	LED	6 616 10	6 626 10
U21[NEW] (p. 609)											
	Yes	-	-	42	04	1 h	50 Lm	Ni-Cd	Fluo 1 x TL 6W	6 617 10	-
	Yes	-	-				70 Lm	Ni-Cd	Fluo 1 x TL 6W	6 617 01	-
	Yes	-	-				100 Lm	Ni-Cd	Fluo 1 x TL 6W	-	6 627 02
	Yes	-	-				110 Lm	Ni-Cd	Fluo 1 x TL 6W	6 617 02	-
	Yes	-	-				160 Lm	Ni-Cd	Fluo 1 x TL 6W	6 617 05	6 627 05
	-	-	Yes					Ni-Cd	Fluo 2 x TL 6W	6 617 09	6 627 09
	Yes	-	-				200 Lm	Ni-Cd	Fluo 1 x TL 6W	-	6 627 06
	Yes	-	-				240 Lm	Ni-Cd	Fluo 1 x TL 6W	6 617 06	-
	Yes	-	-				300 Lm	Ni-Cd	Fluo 1 x TL 6W	6 617 07	-
	Yes	-	-				310 Lm	Ni-Cd	Fluo 1 x TL 6W	-	6 627 07
	Yes	-	-			3 h	90 Lm	Ni-Cd	Fluo 1 x TL 6W	6 617 11	-
	Yes	-	-				100 Lm	Ni-Cd	Fluo 1 x TL 6W	-	6 627 14
	-	-	Yes				100 Lm	Ni-Cd	Fluo 2 x TL 6W	-	6 627 15

1: NM: Non Maintained ; N: Maintained ; C/S: combined or sustained

Select your emergency lighting luminaires (continued)

WEATHERPROOF SELF-CONTAINED EMERGENCY LIGHTING LUMINAIRES

	OPERATING MODE			IP	IK	DURATION	LUMEN OUTPUT RANGE	BATTERY TYPE	LIGHTING SOURCE	Cat.Nos	
	NM[1]	M[1]	C/S[1]							Standard	Autotest / Adressable LVS2
B66[LED] IP 66 (p. 611)											
	Yes	Yes	-	66	10	1 h	100 Lm	Ni-MH	LED	6 615 41	-
	Yes	Yes	-				250 Lm	Ni-MH	LED	6 615 43	6 625 43
	Yes	Yes	-				450 Lm	Ni-MH	LED	6 615 45	6 625 45
INOX[LED] IP 67 (p. 611)											
	Yes	Yes	-	67	07	1 h	400 Lm	Ni-MH	LED	-	6 625 60
	Yes	Yes	-			3 h	200 Lm	Ni-MH	LED	-	6 625 61
B65[NEW] IP 65 (p. 612)											
	Yes	-	-	65	07	1 h	100 Lm	Ni-Cd	Fluo 1 x TL 6W	6 614 01	6 624 01
	-	-	Yes					Ni-Cd	Fluo 2 x TL 6W	6 614 23	6 624 23
	Yes	-	-				170 Lm	Ni-Cd	Fluo 1 x TL 6W	6 614 02	6 624 02
	-	-	Yes				250 Lm	Ni-Cd	Fluo 2 x TL 6W	6 614 24	6 624 24
	Yes	-	-				300 Lm	Ni-Cd / Ni-MH	Fluo 1 x TL 6W	6 614 03	6 624 03
	Yes	-	-				450 Lm	Ni-Cd / Ni-MH	Fluo 1 x PL 11W	6 614 04	6 624 04
B65[LED] IP 65 (p. 612)											
	Yes	Yes	-	65	07	1 h	100 Lm	Ni-Cd	LED	6 614 31	6 624 31
	Yes	Yes	-				200 Lm	Ni-Cd	LED	6 614 33	6 624 33
	Yes	Yes	-				350 Lm	Ni-Cd / Ni-MH	LED	6 614 34	6 624 34
	Yes	Yes	-			3 h	100 Lm	Ni-Cd / Ni-MH	LED	6 614 40	6 624 40

BS COMPLIANCE OFFER (8 W STANDARD)

	OPERATING MODE			IP	IK	DURATION	LUMEN OUTPUT RANGE	BATTERY TYPE	LIGHTING SOURCE	Cat.Nos	
	NM[1]	M[1]	C/S[1]							Standard	Autotest / Adressable LVS2
B66 IP 66 (p. 615)											
	Yes	-	-	66	08	1 h	100 Lm	Ni-Cd	Fluo 1 x TL 8W	6 615 21	6 625 21
	-	Yes	-					Ni-Cd	Fluo 1 x TL 8W	6 615 01	-
	-	-	Yes					Ni-Cd	Fluo 2 x TL 8W	6 615 02	-
	Yes	-	-				250 Lm	Ni-Cd	Fluo 1 x TL 8W	6 615 23	6 625 23
	-	Yes	-					Ni-Cd	Fluo 1 x TL 8W	6 615 11	6 625 01
	-	-	Yes					Ni-Cd	Fluo 2 x TL 8W	6 615 12	6 625 02
	-	Yes	-				400 Lm	Ni-Cd	Fluo 1 x TL 8W	-	6 625 06
	-	-	Yes					Ni-Cd	Fluo 2 x TL 8W	-	6 625 07
	Yes	-	-				450 Lm	Ni-Cd	Fluo 1 x PL 11W	6 615 25	6 625 25
	Yes	-	-			3h	150 Lm	Ni-Cd	Fluo 1 x TL 8W	6 615 35	-
	-	Yes	-					Ni-Cd	Fluo 1 x TL 8W	6 615 36	-
	-	-	Yes					Ni-Cd	Fluo 2 x TL 8W	6 615 37	-
S8 (p. 614)											
	Yes	Yes	-	42	04	1 h	140 Lm	Ni-Cd	Fluo 1 x TL 8W	0 660 00	-
	-	Yes	-					Ni-Cd	Fluo 1 x TL 8W	0 660 01	-
	-	-	Yes					Ni-Cd	Fluo 2 x TL 8W	0 660 02	-
	Yes	Yes	-			3 h	110 Lm	Ni-Cd	Fluo 1 x TL 8W	0 660 03	-
	-	Yes	-					Ni-Cd	Fluo 1 x TL 8W	0 660 04	-
	-	-	Yes					Ni-Cd	Fluo 2 x TL 8W	0 660 05	-

1: NM: Non Maintained ; N: Maintained ; C/S: combined or sustained

U34^{LED} environment friendly

indoor self-contained emergency lighting luminaires LED



6 621 60



6 621 60 + 6 612 96



6 621 60 + 6 612 92 + 6 612 94 + 6 618 00

Spare batteries selection chart **p. 617**
Adhesive labels **p. 616**

LED maintained/ non maintained units
High power LEDs with specially designed lens optimizing the lighting distribution
IP 42 - IK 07
Class II ⧈
Power supply: 230 V ± 10% - 50/60 Hz
Very low consumption switching power supply
Fully recyclable after removing
Environment friendly Ni-MH batteries
Removable plug-in plate to ease installation and maintenance
Automatic terminals with high capacity: 2 x 2.5 mm²
Charge monitor with a green LED
Can be equipped with metallic protection grids Cat.Nos 0 626 92/93 (p. 616)

Pack	Cat.Nos	**Standard luminaires**
		Standard luminaires incorporate an external manual lamp test with testing tool Cat.No 6 612 99
		1 h duration with transparent diffuser
1	6 611 60	Maintained/Non maintained - 250 lm - 1h (LEDs)
1	6 611 80	Maintained/Non maintained - 450 lm - 1h (LEDs)
		3 h duration with transparent diffuser
1	6 611 90	Maintained/Non maintained - 200 lm - 3h (LEDs)
		Autotest/addressable luminaires
		Autotest/addressable luminaires incorporate an automatic self-testing system Tests result is visible on 2 signalling LEDs (green-OK and yellow-defective) Addressable function is activated by setting an ID on each luminaire with infrared configuration tool (Cat. No. 0 626 10) and wiring a complementary BUS line Operating state of all addressable luminaires can be centralized by the control interface (Cat. No. 0 626 00) and monitored on a local touch screen controller (Cat.No 0 626 01), or with the building's plan on Legrand Vision System (LVS2) PC software Cat.No 0 626 02
		1 h duration with transparent diffuser
1	6 621 60	Maintained/Non maintained - 250 lm - 1h (LEDs)
1	6 621 80	Maintained/Non maintained - 450 lm - 1h (LEDs)
		3 h duration with transparent diffuser
1	6 621 90	Maintained/Non maintained - 200 lm - 3h (LEDs)

Pack	Cat.Nos	**Accessories**
1	6 612 81	Lateral cabling accessory for U33/U34^{LED} plug-in plate
1	6 612 96	Slim flush-mounting frame for dry partitions Must be installed without vertical signalling plate
1	6 612 92	Flush-mounting frame for dry partitions Can be installed with vertical signalling plate Cat.No 6 612 94
1	6 612 93	Flush-mounting box for masonry (to be added with flush-mounting frame)
1	6 612 94	 Vertical signalling plate Must be completed with plastic signalling labels (non adhesive) Cat.Nos 6 618 00/01/02/03/40/50/51
1	6 612 99	Testing tool for U34 LED, U33, B66 LED and B66 standard luminaires
		Labels for U34^{LED}
		Plastic signalling labels (non adhesive) to be exclusively integrated into the vertical signalling plate Cat.No 6 612 94
1	6 618 00	 127 x 254 mm
1	6 618 01	 127 x 254 mm
1	6 618 02	 127 x 254 mm
1	6 618 03	 127 x 254 mm
1	6 618 40	 127 x 254 mm
1	6 618 50	 127 x 254 mm
1	6 618 51	 127 x 254 mm

LVS2 adressable and monitoring system **p. 618**



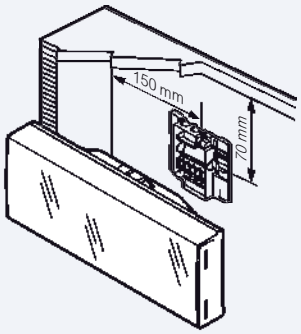
To help you locate your emergency lighting units with DIALux lighting calculation software, you can download the Legrand plug-in for DIALux on **www.docexport.legrand.com**

U34LED environment friendly

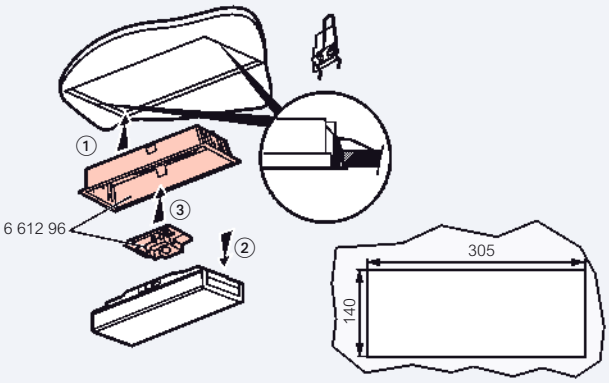
indoor self-contained emergency lighting luminaires LED

Installation

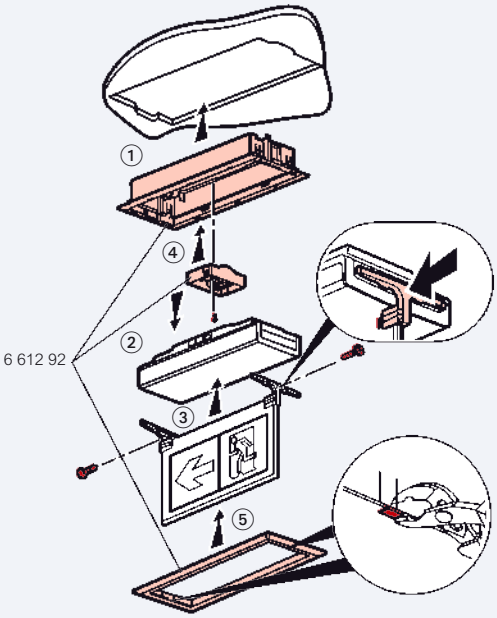
Surface-mounting



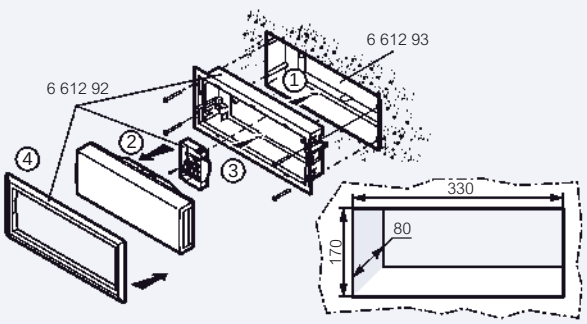
Slim flush-mounting in dry partitions



Flush-mounting with signalling plate in dry partitions

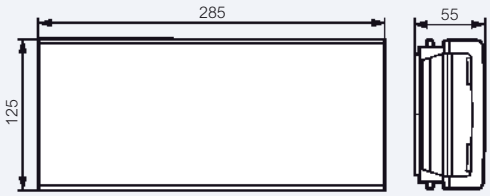


Flush-mounting in masonry

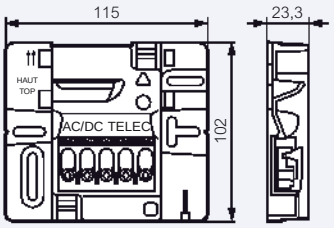


Dimensions (in mm)

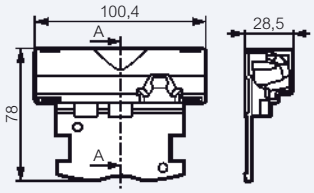
Surface-mounting



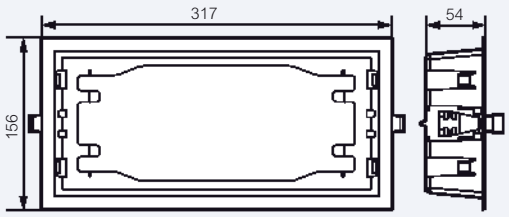
Plug-in plate



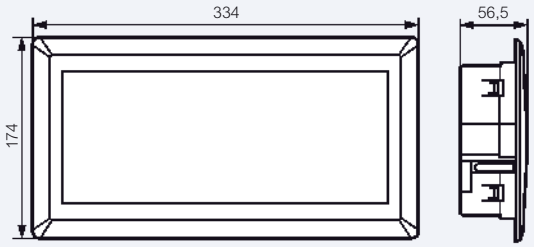
Lateral cabling accessory



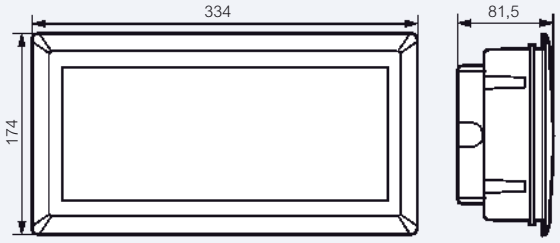
Slim flush-mounting in dry partitions (Cat.No 6 612 95)



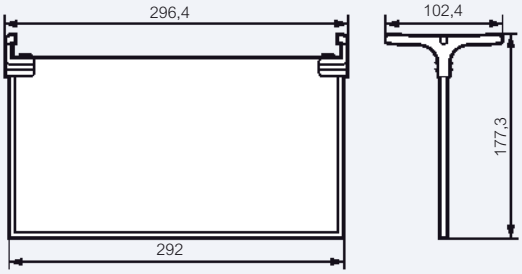
Flush-mounting in dry partitions (Cat.No 6 612 92)



Flush-mounting in masonry (Cat.No 6 612 92 + 6 612 93)



Signalling plate (Cat.No 6 612 94)



URA ONE

indoor self-contained emergency lighting luminaire LED

6 616 21

6 616 34

6 616 21 + 6 616 54


6 616 34 + 6 616 55


6 616 34 + 6 616 51


6 616 34 + 6 616 50


6 616 34 + 6 616 65 + 6 616 70


6 616 64 + 6 616 70

Spare batteries selection chart **p. 617**
Technical characteristics **p. 610**
Adhesive labels **p. 616**

LED non-maintained and maintained units
Certified to IEC and EN 60598-2-22 standards
High power LEDs with optimized lighting distribution
Low consumption switching power supply. Fully recyclable
Plug-in back with pre-cutted holes grid to ease installation and maintenance
Automatic terminals with high capacity: 2 x 2.5 mm². IP 42 - IK 07
Duration: 1 and 3 hours. Ni-Cd or Ni-MH batteries. Recharge time: 24 hours
Charge monitor with a green LED. Opal diffuser
Power supply: 230 V~ ± 10% - 50/60 Hz. Class II ⧈
Flat flush-mounting integration into ceiling & wall with flush-mounting frame Cat.Nos 6 616 50/51
Decorative frame to enhance surface-mounting aesthetic integration Cat.Nos 6 616 54/55

Pack	Cat.Nos	Standard Non maintained luminaires (NM)
		Standard luminaires require normal lighting manual switching off in order to test emergency lighting
1	6 616 20	Non maintained - 70 lm - 1h (LEDs)
1	6 616 21	Non maintained - 100 lm - 1h (LEDs)
1	6 616 22	Non maintained - 160 lm - 1h (LEDs)
		Standard Maintained / Non maintained luminaires (M/NM)
		Standard luminaires require normal lighting manual switching off in order to test emergency lighting These Maintained luminaires can also operate in Non maintained mode according to the wiring of normal lighting
1	6 616 31	Maintained / Non maintained - 100 lm - 1h (LEDs)
1	6 616 32	Maintained / Non maintained - 160 lm - 1h (LEDs)
1	6 616 33	Maintained / Non maintained - 200 lm - 1h (LEDs)
1	6 616 34	Maintained / Non maintained - 350 lm - 1h (LEDs)
1	6 616 40	Maintained / Non maintained - 100 lm - 3h (LEDs)
		Autotest & addressable Maintained luminaires (M)
		Autotest/addressable luminaires incorporate an automatic self-testing system in order to check the emergency mode Tests result is visible on 2 signalling LEDs (green-OK and yellow-defective) Addressable function is activated by setting an ID on each luminaire with infrared configuration tool (Cat.No 0 626 10) and wiring a complementary BUS line. Operating state of all addressable luminaires can be centralized by the control interface (Cat.No 0 626 00) and monitored on a local touch screen controller (Cat.No 0 626 01), or with the building's plan on Legrand Vision System (LVS2) PC software (Cat.No 0 626 02) These Maintained luminaires can also operate in Non maintained mode according to the wiring of normal lighting
1	6 626 31	Maintained / Non maintained - 100 lm - 1h (LEDs)
1	6 626 33	Maintained / Non maintained - 200 lm - 1h (LEDs)
1	6 626 34	Maintained / Non maintained - 350 lm - 1h (LEDs)
1	6 626 40	Maintained / Non maintained - 100 lm - 3h (LEDs)

Pack	Cat.Nos	Accessories
		Decorative frame for surface-mounting installation
1	6 616 54	White colour
1	6 616 55	Aluminium colour
		Slim flush-mounting frame for false ceiling and dry partition
1	6 616 50	White colour
1	6 616 51	Aluminium colour
		Flag-mounting accessory
1	6 616 58	White colour
1	6 616 59	Aluminium colour
		Suspension mounting accessory
1	6 616 62	White colour
1	6 616 63	Aluminium colour
		Signalling plate
1	6 616 64	Vertical transparent plate for evacuation signalling (must be completed with adhesive evacuation label)
		Flush-mounting frame
1	6 616 65	Special frame with vertical signalling plate

U21LED

indoor self-contained emergency lighting luminaires LED



6 616 07



6 616 07 + 6 617 20

Spare batteries selection chart **p. 617**
Technical characteristics **p. 610**
Adhesive labels **p. 616**

LED maintained and non maintained units
Certified to IEC and EN 60598-2-22 standards
High power LEDs
IP 42 - IK 04
Duration: 1 and 3 hours
Ni-Cd or Ni-MH batteries
Recharge time: 24 hours
Charge monitor with a green LED
Power supply: 230 V~ ± 10% - 50/60 Hz
Class II ⧈
High capacity screw terminals (2 x 2.5 mm²)
Flush-mounting in dry partitions (ceiling & wall): add flush-mounting frame Cat.No 6 617 20
Flush-mounting in masonry (brick or concrete wall): add both flush-mounting box Cat.No 0 617 21 and flush-mounting frame Cat.No 6 617 20
To be equipped with labels (p. 608)
Can be equipped with metallic protection grids Cat.Nos 0 626 90/92 (p. 616)

Pack	Cat.Nos	
		Standard Non maintained luminaires (NM)
		Standard luminaires require normal lighting manual switching off in order to test emergency lighting
1	6 616 01	Non maintained - 70 lm - 1h (LEDs)
1	6 616 02	Non maintained - 100 lm - 1h (LEDs)
1	6 616 05	Non maintained - 160 lm - 1h (LEDs)
		Standard Maintained luminaires (M)
		Standard luminaires require normal lighting manual switching off in order to test emergency lighting These Maintained luminaires can also operate in Non maintained mode according to the wiring of normal lighting
1	6 616 03	Maintained / Non maintained - 100 lm - 1h (LEDs)
1	6 616 06	Maintained / Non maintained - 200 lm - 1h (LEDs)
1	6 616 07	Maintained / Non maintained - 350 lm - 1h (LEDs)
1	6 616 10	Maintained / Non maintained - 100 lm - 3h (LEDs)
		Autotest & addressable Maintained luminaires (M)
		Autotest/addressable luminaires incorporate an automatic self-testing system in order to check the emergency mode. Tests result is visible on 2 signalling LEDs (green-OK and yellow-defective) Addressable function is activated by setting an ID on each luminaire with configuration tool (Cat.No 0 626 10) and wiring a complementary BUS line. Operating state of all addressable luminaires can be centralized by the control interface (Cat.No 0 626 00) and monitored on a local touch screen controller (Cat.No 0 626 01), or with the building's plan on Legrand Vision System (LVS2) PC software (Cat.No 0 626 02). These Maintained luminaires can also operate in Non maintained mode according to the wiring of normal lighting
1	6 626 03	Maintained / Non maintained - 100 lm - 1h (LEDs)
1	6 626 06	Maintained / Non maintained - 200 lm - 1h (LEDs)
1	6 626 07	Maintained / Non maintained - 350 lm - 1h (LEDs)
1	6 626 10	Maintained / Non maintained - 100 lm - 3h (LEDs)
		Accessories
1	6 617 20	Flush-mounting frame for dry partition
1	0 617 21	Flush-mounting box for masonry partition

To help you locate your emergency lighting units with DIALux lighting calculation software, you can download the Legrand plug-in for DIALux on **www.export.legrand.com/EN**

U21NEW – indoor self-contained emergency lighting luminaires 6 W fluorescent



6 617 02

Spare batteries selection chart **p. 617**
Technical characteristics **p. 610**
Adhesive labels **p. 616.**

6 W fluorescent non-maintained and combined units
Certified to IEC and EN 60598-2-22 standards
IP 42 - IK 04
Power supply: 230 V~ ± 10%
Plug-in base to ease fixing, cabling and connection
Transparent diffuser
Duration time: 1, 2 and 3 hours
Ni-Cd batteries
Recharge time: 24 hours
Green LED charge monitor
High capacity screw terminals (2 x 2.5 mm²)
Flush mounting in dry partitions (ceiling): add flush-mounting frame Cat.No 6 617 20
Flush mounting in masonry (brick or concrete wall): add both flush-mounting box Cat.No 0 617 21 and flush-mounting frame Cat.No 6 617 20
To be equipped with labels (p. 608)
Can be equipped with metallic protection grids Cat.Nos 0 626 90/92 (p. 616)

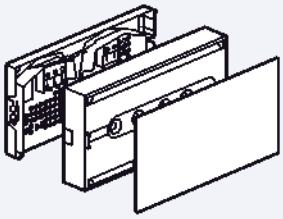
Pack	Cat.Nos	
		Standard luminaires
		Standard luminaires require normal lighting manual switching off in order to test emergency lighting
		Non-maintained 6 W fluorescent luminaires
1	6 617 10	Non maintained - 50 lm - 1h (1 x 6 W)
1	6 617 01	Non maintained - 70 lm - 1h (1 x 6 W)
1	6 617 02	Non maintained - 110 lm - 1h (1 x 6 W)
1	6 617 05	Non maintained - 160 lm - 1h (1 x 6 W)
1	6 617 06	Non maintained - 240 lm - 1h (1 x 6 W)
1	6 617 07	Non maintained - 300 lm - 1h (1 x 6 W)
1	6 617 11	Non maintained - 90 lm - 3h (1 x 6 W)
		Combined 2 x 6 W fluorescent luminaire
1	6 617 09	Combined - 160 lm - 1h (2 x 6 W)
		Autotest/Addressable luminaires
		Autotest/addressable luminaires incorporate an automatic self-testing system in order to check the emergency mode Tests result is visible on 2 signalling LEDs (green-OK and yellow-defective) Addressable function is activated by setting an ID on each luminaire on internal microswitches and wiring a complementary BUS line Operating state of all addressable luminaires can be centralized by the control interface (Cat.No 0 626 00) and monitored on a local touch screen controller (Cat.No 0 626 01), or with the building's plan on Legrand Vision System (LVS2) PC software (Cat.No 0 626 02)
		Non-maintained 6 W fluorescent luminaires
10	6 627 02	Non maintained - 100 lm - 1h (1 x 6 W)
10	6 627 05	Non maintained - 160 lm - 1h (1 x 6 W)
10	6 627 06	Non maintained - 200 lm - 1h (1 x 6 W)
10	6 627 07	Non maintained - 310 lm - 1h (1 x 6 W)
10	6 627 14	Non maintained - 100 lm - 3h (1 x 6 W)
		Combined 2 x 6 W fluorescent luminaires
1	6 627 09	Combined - 160 lm - 1h (2 x 6 W)
10	6 627 15	Combined - 100 lm - 3h (2 x 6 W)
		Accessories
1	6 617 20	Flush mounting frame for dry partition
1	0 617 21	Flush mounting box for masonry partition

To help you locate your emergency lighting units with DIALux lighting calculation software, you can download the Legrand plug-in for DIALux on **www.export.legrand.com/EN**

URA ONE

Installation

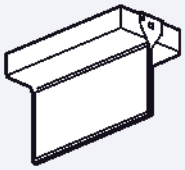
Surface-mounting



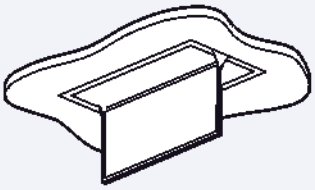
Flush-mounting with slim frame Cat.Nos 6 616 50/51



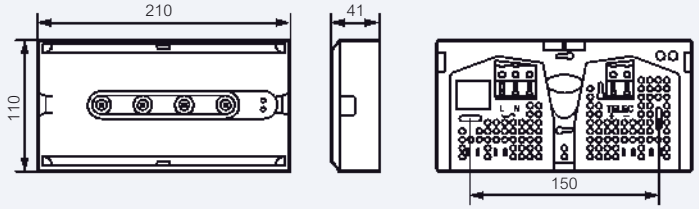
Surface-mounting with vertical signalling plate Cat.No 6 616 64



Flush-mounting with vertical signalling plate Cat.No 6 616 65

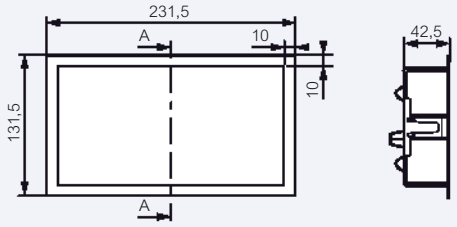


Dimensions (in mm)

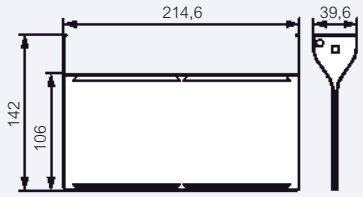


Accessories

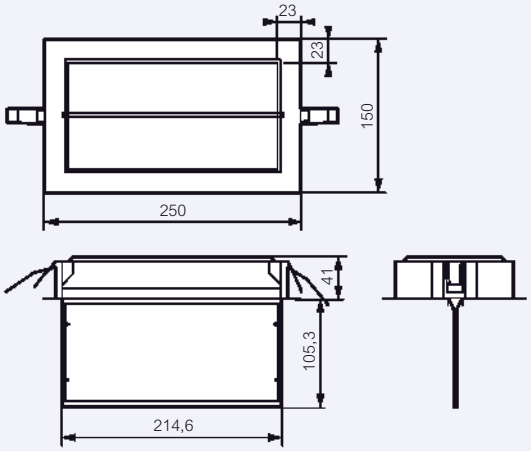
Flush-mounting with slim frame Cat.No 6 616 50/51



Vertical signalling plate Cat.No 6 616 64

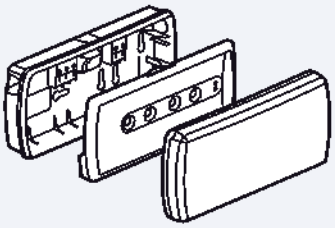


Special flush-mounting with vertical signalling plate Cat.No 6 616 65

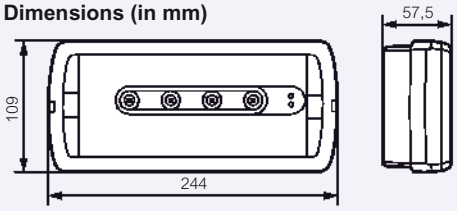


U21LED

Surface-mounting installation

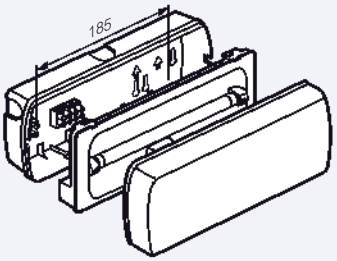


Dimensions (in mm)

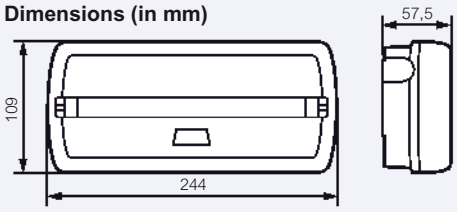


U21NEW

Surface-mounting installation

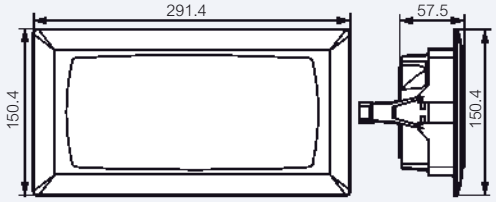


Dimensions (in mm)

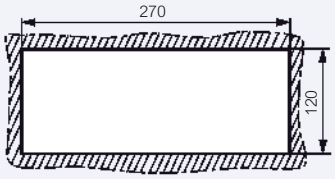


U21LED and U21NEW accessories

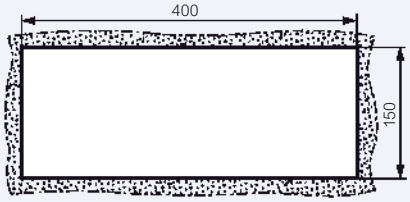
Flush-mounting with Cat.No 6 617 20



Flush-mounting cut-out in dry partitions with Cat.No 6 617 20



Flush-mounting cut-out in masonry with Cat.Nos 6 617 20 + 0 617 21



INOX^{LED} – weatherproof self-contained emergency lighting luminaires for special uses



6 625 60

Spare batteries selection chart **p. 617**
Technical characteristics **p. 613**

To be equipped with labels (p. 616)

Pack	Cat.Nos	**LED maintained/non maintained weatherproof luminaires**
		High power LEDs with specially designed lens optimizing the lighting distribution Power supply 230 V +/- 10% 50/60 Hz Very low consumption switching power supply Environment friendly Ni-MH batteries Recharge time: 24 hours
		IP 67 plastic/stainless steel industrial & architectural luminaires - Autotest/addressable
1	6 625 60	Maintained/non maintained - 400 lm - 1 h (LEDs)
1	6 625 61	Maintained/non maintained - 200 lm - 3 h (LEDs)

B66^{LED} environment friendly

weatherproof self-contained emergency lighting luminaires LED



6 615 41

Spare batteries selection chart **p. 617**
Technical characteristics **p. 613**
Adhesive labels **p. 616**

Pack	Cat.Nos	**B66^{LED}**
		LED maintained/non maintained weatherproof luminaires High power LEDs with specially designed lens optimizing the lighting distribution IP 66 - High protection level IK 10 - Very high resistance level against mechanical shocks Class II ⧈ Power supply: 230 V ± 10% - 50/60 Hz Very low consumption switching power supply Environment friendly Ni-MH batteries Recharge time: 24 hours Plug-in back with automatic high capacity terminals: 2 x 2.5 mm² Diffuser with tool-less fast mounting Charge monitor with a green LED Can be equipped with metallic protection grids Cat.Nos 0 626 92/93 (p. 616) To be equipped with labels (p. 616)
		Standard luminaires - 1 h duration with transparent diffuser Standard luminaires incorporate an external lamp test with testing tool Cat.No 6 612 99
1	6 615 41	Maintained/Non maintained - 100 lm - 1h (LEDs)
1	6 615 43	Maintained/Non maintained - 250 lm - 1h (LEDs)
1	6 615 45	Maintained/Non maintained - 450 lm - 1h (LEDs)
		Autotest/Addressable luminaires - 1 h duration with transparent diffuser Autotest/addressable luminaires incorporate an automatic self-testing system Tests result is visible on 2 signalling LEDs (green-OK and yellow-defective) Addressable function is activated by setting an ID on each luminaire with infrared configuration tool (Cat.No 0 626 10) and wiring a complementary BUS line Operating state of all addressable luminaires can be centralized by the control interface (Cat.No 0 626 00) and monitored on a local touch screen controller (Cat.No 0 626 01), or with the building's plan on Legrand Vision System (LVS2) PC software Cat.No 0 626 02
1	6 625 43	Maintained/Non maintained - 250 lm - 1h (LEDs)
1	6 625 45	Maintained/Non maintained - 450 lm - 1h (LEDs)

Accessories

		Testing tool
1	6 612 99	Testing tool for U34 LED, U33, B66 LED and B66 standard luminaires
		Screwdriver socket
1	0 609 10	Vandal resistant screwdriver socket compatible with Cat.Nos 0 626 92 and 0 626 99 For vandal resistant screws
		Vandal resistant screws for emergency lighting luminaires
1	0 626 99	Set of 4 screws making the diffuser's locking clips impregnable (4 screws are necessary per luminaire) Require the use of screwdriver Cat.No 0 609 10 (not supplied)

To help you locate your emergency lighting units with DIALux lighting calculation software, you can download the Legrand plug-in for DIALux on **www.export.legrand.com/EN**

B65LED – weatherproof self-contained emergency lighting luminaire LED

6 614 33

Spare batteries selection chart **p. 617**

Weatherproof LED maintained and non maintained units
Certified to IEC and EN 60598-2-22 standards
High power LEDs
IP 65 - IK 07
Plug-in base to ease fixing, cabling and connection
Duration: 1 and 3 hours
Ni-Cd or Ni-MH batteries
Recharge time: 24 hours
Charge monitor with a green LED
Power supply: 230 V ± 10% - 50/60 Hz
Class II ⧈
High-capacity screw terminals (2 x 2.5 mm²)
3 flexible cable entries for Ø16, 20 and 25 mm tubes
To be equipped with labels (p. 608)
Can be equipped with metallic protection grids Cat.Nos 0 626 90/92 (p. 616)

Pack	Cat.Nos	Standard Maintained luminaires (M)
		Standard luminaires require normal lighting manual switching off in order to test emergency lighting These Maintained luminaires can also operate in Non maintained mode according to the wiring of normal lighting
1	6 614 31	Maintained / Non maintained - 100 lm - 1h (LEDs)
1	6 614 33	Maintained / Non maintained - 200 lm - 1h (LEDs)
1	6 614 34	Maintained / Non maintained - 350 lm - 1h (LEDs)
1	6 614 40	Maintained / Non maintained - 100 lm - 3h (LEDs)
		Autotest & addressable Maintained luminaires (M)
		Autotest/addressable luminaires incorporate an automatic self-testing system in order to check emergency lighting Tests result is visible on 2 signalling LEDs (green-OK and yellow-defective) Addressable function is activated by setting an ID on each luminaire with configuration tool (Cat.No 0 626 10) and wiring a complementary BUS line Operating state of all addressable luminaires can be centralized by the control interface (Cat.No 0 626 00) and monitored on a local touch screen controller (Cat.No 0 626 01), or with the building's plan on Legrand Vision System (LVS2) PC software Cat.No 0 626 02 These Maintained luminaires can also operate in Non maintained mode according to the wiring of normal lighting
1	6 624 31	Maintained / Non maintained - 100 lm - 1h (LEDs)
1	6 624 33	Maintained / Non maintained - 200 lm - 1h (LEDs)
1	6 624 34	Maintained / Non maintained - 350 lm - 1h (LEDs)
1	6 624 40	Maintained / Non maintained - 100 lm - 3h (LEDs)

B65NEW – weatherproof self-contained emergency lighting luminaires 6 W / 11 W fluorescent



6 614 03

Spare batteries selection chart **p. 617**

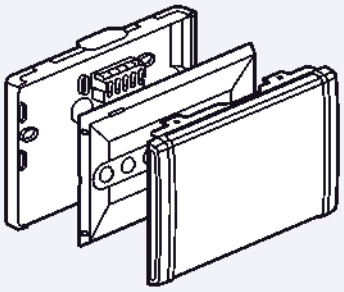
6 W and PL 11 W fluorescent non-maintained and combined units
Certified to IEC and EN 60598-2-22 standards
IP 65 - IK 07
Class II
Power supply: 230 V ± 10%
Plug-in base to ease fixing, cabling and connection
Transparent diffuser
Duration time: 1 and 2 hours
Ni-Cd batteries
Recharge time: 24 hours
Green LED charge monitor
High-capacity screw terminals (2 x 2.5 mm²)
3 flexible cable entries for Ø16, 20 and 25 mm tubes
To be equipped with labels (p. 608)
Can be equipped with metallic protection grids Cat.Nos 0 626 90/92 (p. 616)

Pack	Cat.Nos	Standard luminaires
		Non-maintained 6 W and 11 W fluorescent luminaires
1	6 614 01	Non maintained - 100 lm - 1h (1 x 6 W)
1	6 614 02	Non maintained - 170 lm - 1h (1 x 6 W)
1	6 614 03	Non maintained - 300 lm - 1h (1 x 6 W)
1	6 614 04	Non maintained - 450 lm - 1h (1 x 11 W)
		Combined 2 x 6 W fluorescent luminaires
1	6 614 23	Combined - 100 lm - 1h (2 x 6 W)
1	6 614 24	Combined - 250 lm - 1h (2 x 6 W)
		Autotest/Addressable luminaires
		Autotest/addressable luminaires incorporate an automatic self-testing system Tests result is visible on 2 signalling LEDs (green-OK and yellow-defective) Addressable function is activated by setting an ID on each luminaire on internal microswitches and wiring a complementary BUS line Operating state of all addressable luminaires can be centralized by the control interface (Cat.No 0 626 00) and monitored on a local touch screen controller (Cat.No 0 626 01), or with the building's plan on Legrand Vision System (LVS2) PC software Cat.No 0 626 02
		Non-maintained 6 W and 11 W fluorescent luminaires
1	6 624 01	Non maintained - 100 lm - 1h (1 x 6 W)
1	6 624 02	Non maintained - 170 lm - 1h (1 x 6 W)
1	6 624 03	Non maintained - 300 lm - 1h (1 x 6 W)
1	6 624 04	Non maintained - 450 lm - 1h (1 x 11 W)
		Combined 2 x 6 W fluorescent luminaires
1	6 624 23	Combined - 100 lm - 1h (2 x 6 W)
1	6 624 24	Combined - 250 lm - 1h (2 x 6 W)

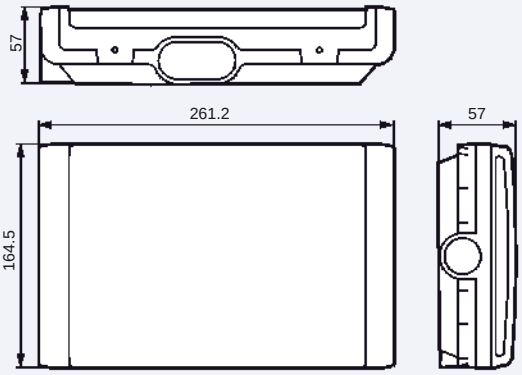
To help you locate your emergency lighting units with DIALux lighting calculation software, you can download the Legrand plug-in for DIALux on **www.export.legrand.com/EN**

B66^{LED}

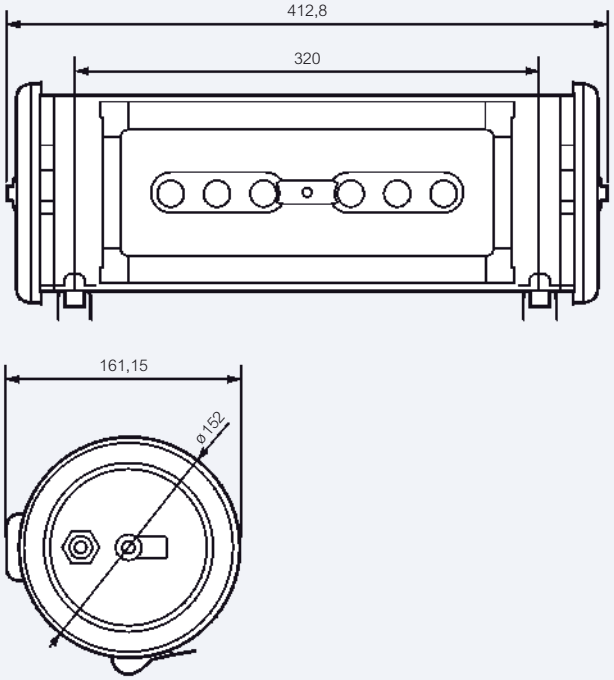
Surface-mounting installation



Dimensions (in mm)



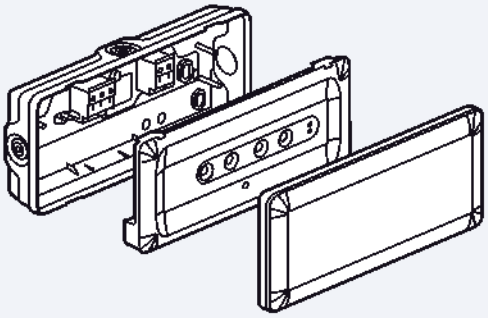
INOX^{LED} - Dimensions (in mm)



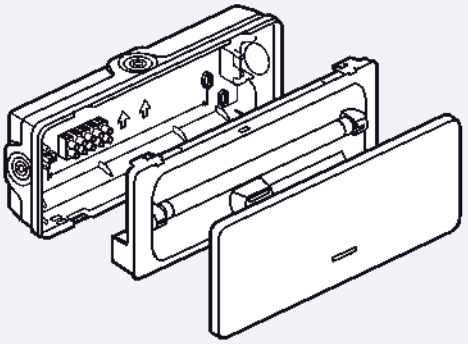
B65^{LED}/B65^{NEW}

Surface-mounting installation

B65^{LED}

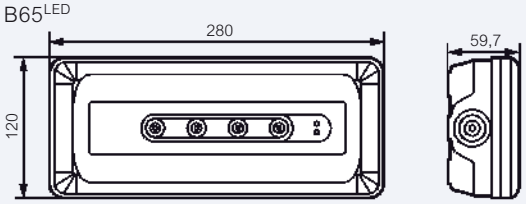


B65^{NEW}

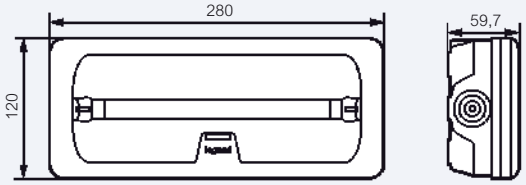


Dimensions (in mm)

B65^{LED}



B65^{NEW}



S8 - indoor standard self-contained emergency lighting luminaires 8 W fluorescent - BS compliant



0 660 00



0 660 01 + 6 608 66



0 660 03 + 0 660 90



0 660 01 + 0 660 90 + 0 660 92 + 0 610 01

Spare batteries selection chart **p. 617**

Can be equipped with metallic protection grid Cat.Nos 0 626 91 (p. 616)

Pack	Cat.Nos	**8 W fluorescent non-maintained, maintained and combined units**
		Certified to IEC 60598-2-22 and EN 60598-2-22 standards IP 42 Class II Power supply: 230 V +/- 10 % - 50/60 Hz Lamp and emergency operation test with a push-button Ni-Cd batteries Recharge time: 24 hours High capacity screw terminals: 2 x 2.5 mm^2 Charge monitor with a green LED
		1 h duration - 140 lm
1	0 660 00	Non maintained - 140 lm - 1h (1 x 8 W)
1	0 660 01	Maintained - 140 lm - 1h (1 x 8 W)
1	0 660 02	Combined - 140 lm - 1h (2 x 8 W)
		3 h duration - 110 lm
1	0 660 03	Non maintained - 110 lm - 3h (1 x 8 W)
1	0 660 04	Maintained - 110 lm - 3h (1 x 8 W)
1	0 660 05	Combined - 110 lm - 3h (2 x 8 W)
		Accessories
1	0 660 90	Flush-mounting frame
1	0 660 92	Double-sided diffuser

To help you locate your emergency lighting units with DIALux lighting calculation software, you can download the Legrand plug-in for DIALux on **www.export.legrand.com/EN**

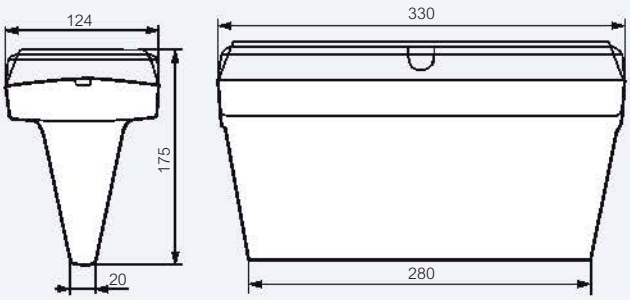
S8 - indoor standard self-contained emergency lighting luminaires 8 W fluorescent

Dimensions (in mm)

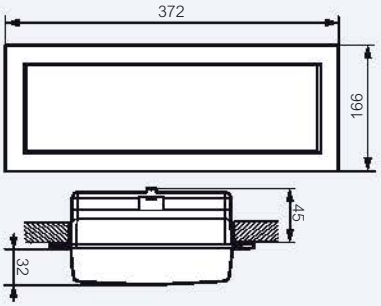
Surface mounting



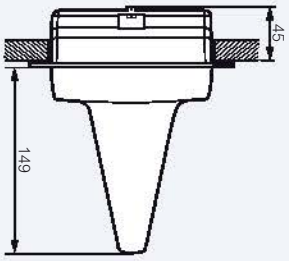
Ceiling mounting with double-sided diffuser



Flush-mounting



With double-sided diffuser



B66 - weatherproof self-contained emergency lighting luminaires 8 W / 11 W fluorescent - BS compliant



6 615 21

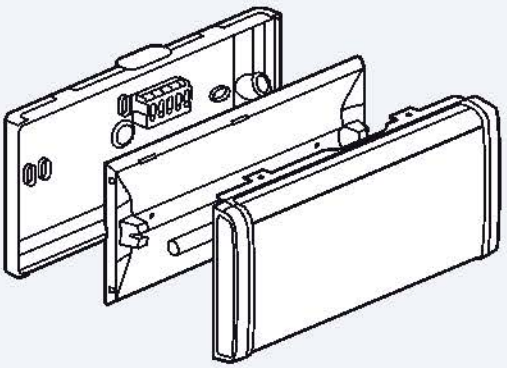
Spare batteries selection chart **p. 617**

Pack	Cat.Nos	8 W / 11 W fluorescent luminaires
		8 W and PL11 W fluorescent non maintained, maintained and combined luminaires Certified to IEC 60598-2-22 and EN 60598-2-22 standards. IP 66 - High protection level IK 08 - High resistance level against mechanical shock Class II. Power supply: 230 V ± 10% - 50/60 Hz Low consumption switching power supply Ni-Cd batteries. Recharge time: 24 hours Plug-in back with automatic high capacity terminals: 2 x 2.5 mm². Diffuser with tool-less fast mounting Charge monitor with a green LED Can be equipped with metallic protection grid Cat.No 0 626 91 (p. 616)
		Standard luminaires - 1 h duration with transparent diffuser Luminaires incorporate an external manual lamp test
1	6 615 21	Non maintained - 100 lm - 1h (1 x 8 W)
1	6 615 23	Non maintained - 250 lm - 1h (1 x 8 W)
1	6 615 25	Non maintained - 450 lm - 1h (1 x 11 W)
1	6 615 01	Maintained - 100 lm - 1h (1 x 8 W)
1	6 615 11	Maintained - 250 lm - 1h (1 x 8 W)
1	6 615 02	Combined - 100 lm - 1h (2 x 8 W)
1	6 615 12	Combined - 250 lm - 1h (2 x 8 W)
		Standard luminaires - 3 h duration with transparent diffuser Luminaires incorporate an external manual lamp test
1	6 615 35	Non maintained - 150 lm - 3h (1 x 8 W)
1	6 615 36	Maintained - 150 lm - 3h (1 x 8 W)
1	6 615 37	Combined - 150 lm - 3h (2 x 8 W)
		Autotest/Addressable luminaires - 1 h duration with transparent diffuser Autotest/addressable luminaires incorporate an automatic self-testing system in order to test the emergency mode Tests result is visible on 2 signalling LEDs (green-OK and yellow-defective). Addressable function is activated by setting an ID on each luminaire with infrared configuration tool (Cat.No 0 626 10) and wiring a complementary BUS line. Operating state of all addressable luminaires can be centralized by the control interface (Cat.No 0 626 00) and monitored on a local touch screen controller (Cat.No 0 626 01), or with the building's plan on Legrand Vision System (LVS2) PC software Cat.No 0 626 02
1	6 625 21	Non maintained - 100 lm - 1h (1 x 8 W)
1	6 625 23	Non maintained - 250 lm - 1h (1 x 8 W)
1	6 625 25	Non maintained - 450 lm - 1h (1 x 11 W)
1	6 625 01	Maintained - 250 lm - 1h (1 x 8 W)
1	6 625 06	Maintained - 400 lm - 1h (1 x 8 W)
1	6 625 02	Combined - 250 lm - 1h (2 x 8 W)
1	6 625 07	Combined - 400 lm - 1h (2 x 8 W)

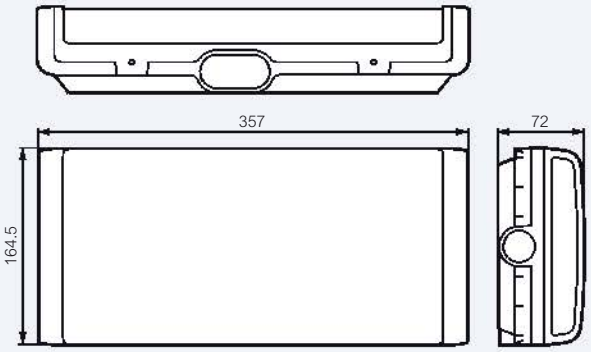
		Accessories
		Testing tool
1	6 612 99	Testing tool for U34 LED, U33, B66 LED and B66 standard luminaires
		Screwdriver socket
1	0 609 10	Vandal resistant screwdriver socket compatible with Cat.Nos 0 626 92 and 0 626 99 For vandal resistant screws
		Vandal resistant screws for emergency lighting luminaires
1	0 626 99	Set of 4 screws making the diffuser's locking clips impregnable (4 screws are necessary per luminaire) Require the use of screwdriver Cat.No 0 609 10 (not supplied)

B66 - weatherproof self-contained emergency lighting luminaires 8 W / 11 W fluorescent

Surface-mounting installation



Dimensions in mm



To help you locate your emergency lighting units with DIALux lighting calculation software, you can download the Legrand plug-in for DIALux on **www.export.legrand.com/EN**

LED portable lamp and spare parts



0 607 97



0 609 41

Pack	Cat.Nos	LED portable lamp
1	0 607 97	Manual switching ON/OFF with 3 lighting levels: - 20 lumen / 3h duration - 40 lumen / 1h30 duration - 60 lumen / 1h duration Ni-MH built-in battery pack Supplied with separate 12 V DC battery charger and mains connector Power supply: 230 V +/- 10% - 50/60 Hz IP 40 - IK 07 Class II ⧈ Supplied with lamp Cat.No 0 609 29

		Lamps and tubes
		Lamps - E10
25	0 609 28	12 V - 0.25 A - 3 W (E 10)
10	0 609 29	6 V - 0.9 A - 5.5 W (E 10)
25	0 609 31	3.6 V - 1 A - 3.6 W (E 10)
		Tubes
1	0 609 40	6 W
1	0 609 41	8 W
1	0 607 53	11 W

		Metallic protection grids
		Shock resistance: 20 joules Fastening holes on 4 sides
1	0 626 90	For IP 43 emergency lighting luminaires LED
1	0 626 91	For IP 43 and IP 66 emergency lighting luminaires 8 W
1	0 626 93	For IP 43 and IP 66 emergency lighting luminaires LED

		IK 20 vandal resistant grid
1	0 626 92	For IP 43 and IP 66 emergency lighting luminaires LED High shock resistance: 50 joules Particularly suitable for protecting lighting luminaires in parking lots and buildings subject to vandalism Double fixing system via: - wall-mounting base, to be mounted on metallic frame with 4 metallic wall plugs - locking of the grid on metallic frame with vandal resistant screws requiring the use of tool Cat.No 0 609 10 (not supplied)

Labels

for emergency lighting luminaires



0 612 00

Pack	Cat.Nos	Adhesive labels for URA ONE, U21^{LED}, U21^{NEW}, B65^{LED} and B65^{NEW} ranges	
5	6 616 70		100 x 200 mm
5	6 616 71		100 x 200 mm
5	6 616 72		100 x 200 mm
5	6 616 80		100 x 200 mm
5	6 616 88		100 x 200 mm
5	6 616 90		100 x 200 mm
5	6 616 91		100 x 200 mm

		Adhesive labels for U34^{LED} and B66^{LED} ranges	
5	0 612 00		327 x 109 mm
5	0 612 01		327 x 109 mm
5	0 612 02		327 x 109 mm

		Adhesive labels for INOX^{LED}, S8 and B66 ranges	
5	6 608 65		310 x 112 mm
5	6 608 66		310 x 112 mm
5	6 608 67		310 x 112 mm
5	6 608 69		310 x 112 mm
5	6 608 74		310 x 112 mm
5	6 608 75		310 x 112 mm
5	6 608 76		310 x 112 mm

Self-contained emergency lighting luminaires

spare batteries

CURRENT EMERGENCY LIGHTING LUMINAIRES

Emergency lighting luminaire Cat.No	Spare part battery Cat.No
U34 LED	
6 611 60	6 609 61
6 611 80	0 610 96
6 611 90	0 610 96
6 621 60	6 609 61
6 621 80	0 610 96
6 621 90	0 610 96
URA ONE	
6 616 20	0 610 87
6 616 21	0 610 92
6 616 22	6 609 72
6 616 31	0 610 92
6 616 32	6 609 72
6 616 33	6 609 72
6 616 34	6 609 62
6 616 40	6 609 71
6 626 31	6 609 72
6 626 33	6 609 62
6 626 34	6 609 71
6 626 40	6 609 71
U21 LED	
6 616 01	0 610 87
6 616 02	0 610 92
6 616 03	0 610 92
6 616 05	6 609 72
6 616 06	6 609 72
6 616 07	6 609 62
6 616 10	6 609 71
6 626 03	6 609 72
6 626 06	6 609 62
6 626 07	6 609 71
6 626 10	6 609 71
U21 NEW	
6 617 01	0 617 97
6 617 02	0 617 97
6 617 05	0 618 82
6 617 06	0 618 84
6 617 07	0 618 85
6 617 09	0 618 82
6 617 10	0 617 97
6 617 11	0 618 85
6 617 12	0 618 85
6 617 13	0 618 84
6 627 02	0 618 82
6 627 05	6 609 69
6 627 06	0 618 85
6 627 07	6 609 63
6 627 09	6 609 69
6 627 14	6 609 63
6 627 15	6 609 63

Emergency lighting luminaire Cat.No	Spare part battery Cat.No
B66 LED	
6 615 41	0 610 97
6 615 43	0 610 97+ 6 609 64
6 615 45	0 610 98
6 625 43	0 610 97+ 6 609 64
6 625 45	0 610 98
INOX LED	
6 625 60	0 610 96
6 625 61	0 610 96
B65 NEW	
6 614 01	0 617 97
6 614 02	0 618 82
6 614 03	0 618 85
6 614 04	0 618 86
6 614 09	0 618 86
6 614 23	0 617 97
6 614 24	0 618 85
6 624 01	0 618 82
6 624 02	6 609 69
6 624 03	6 609 63
6 624 04	6 609 67
6 624 09	6 609 67
6 624 23	0 618 82
6 624 24	6 609 63
B65 LED	
6 614 31	0 610 92
6 614 33	6 609 72
6 614 34	6 609 62
6 614 40	6 609 71
6 624 31	6 609 72
6 624 33	6 609 62
6 624 34	6 609 71
6 624 40	6 609 71

BS-COMPLIANT

Emergency lighting luminaire Cat.No	Spare part battery Cat.No
B66	
6 615 01	0 610 92
6 615 02	0 610 92
6 615 11	6 609 62
6 615 12	6 609 62
6 615 21	0 610 92
6 615 23	6 609 62 + 0 610 92
6 615 25	0 610 93
6 615 35	6 609 62 + 6 609 70
6 615 36	6 609 62 + 6 609 70
6 615 37	6 609 62 + 6 609 70
6 625 01	6 609 62 + 0 610 92
6 625 02	6 609 62 + 0 610 92
6 625 06	0 610 93
6 625 07	0 610 93
6 625 21	6 609 62
6 625 23	6 609 62 + 0 610 92
6 625 25	2 x 6 609 66
S8	
0 660 00	0 618 83
0 660 01	0 618 83
0 660 02	0 618 83
0 660 03	0 618 85
0 660 04	0 618 85
0 660 05	0 618 85

Batteries for old ranges U21, U33, B65, L31, NT65 and G5, **see e-catalogue**

LVS2 (Legrand Vision System)

addressable & monitoring system



0 626 00



0 626 10



0 626 01 + 0 791 74



0 626 03

Pack	Cat.Nos	Control interface for autotest/addressable luminaires
1	0 626 00	Centralises the operating state of addressable emergency lighting luminaires Communication between the addressable luminaires and the control interface is carried out via a BUS line • Capacity Direct connection of 250 addressable luminaires to the control interface (star configuration or series connection) The longest line is limited to 700 m Extension via repeater Cat.No 0 626 03 for more than 250 addressable luminaires or a line longer than 700 m Maximum capacity of the central control panel: 1023 addressable luminaires Configuration software included (control interface settings and ID configuration for addressable luminaires) To be completed with at least one of the following terminals: - PC with monitoring software Cat.No 0 626 02 - Touch screen controller Cat.No 0 626 01 - PC with internet navigator (limited functions) • Connections: - RJ 45 socket for IP network - terminals for RS 232 and RS 485 - Mini USB for PC local settings • Power supply: - 230 V~ - 50/60 Hz - Ni-Cd battery: 8.4 V - 0.15 Ah
1	0 626 10	**Mobile infrared configuration tool** For assigning an ID to each addressable luminaire in order to control operating state with control interface Cat.No 0 626 00

Pack	Cat.Nos	3.5" touch screen controller
1	0 626 01	For controlling the operating state of a global addressable luminaires installation To be used complementary to the control interface Cat.No 0 626 00 Connected to the control interface through IP infrastructure Display of: - defect type - defect units location - alarms and operating mode settings Power supply voltage: 27 V 600 mA with a separate power supply Cat.No 0 634 42 To be equipped with white plate Cat.No 0 784 70 or aluminium plate Cat.No 0 791 74 (support) To be mounted in flush-mounting box Cat.No 0 801 24
1	0 626 02	**Monitoring PC software** For supervising an installation equipped with addressable self-contained emergency lighting luminaires and control interface(s) Cat.No 0 626 00, whatever the installation size Simultaneous monitoring of one or several whole establishments, made of several buildings, according to the construction configuration (tree structure by buildings, levels, floors or zones) Emergency lighting location displayed on background plans of each zone of the building Background plans imported in DWG (AutoCAD) or DXF vector format, or image format (JPEG, GIF, ...) Overview screen of the luminaires installation operating state Functions for maintenance assistance: - print-out of the spare parts list - print-out of a maintenance document locating each defect luminaire and detailing the repair operations Automatic periodic sending of the installation state report Export of background plans with emergency lighting location in PDF or DXF format Multi-user software
1	0 626 03	**Repeater** For extending the installation beyond 250 units or for a line > 700 m (on control interface or repeater) up to 250 additional luminaires and on the longest line < 700 m Class II Power supply: 230 VA - 50/60 Hz Ni-Cd battery: 8.4 V - 0.15 Ah Dim.: 6 x 17.5 mm modules
1	0 634 42	**Additional power supply** Power supply 220-240 V - 50/60 Hz Output 1-2 27 V⎓ - 600 mA Dim.: 2 x 17.5 mm modules New Cat.No 3 460 20

LVS2 (Legrand Vision System)

addressable & monitoring system

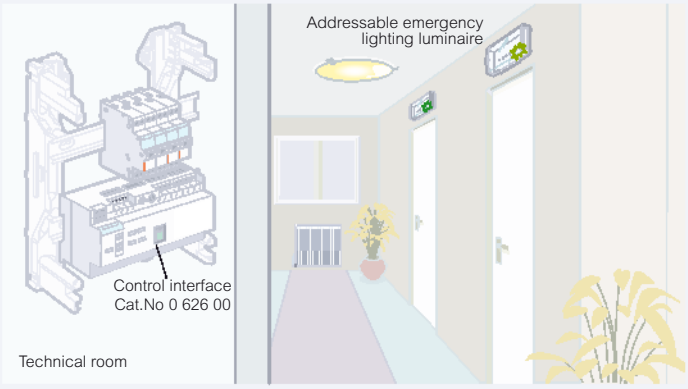
Addressable and monitoring system

Installation and configuration

Setting of an ID on each luminaire with infrared configuration tool

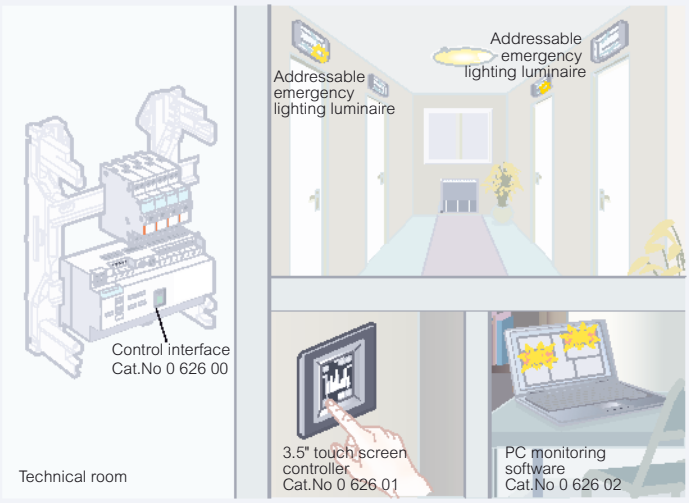


Installation checking



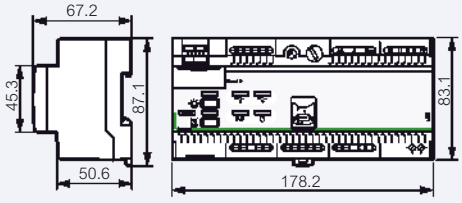
Monitoring

Centralization operating state

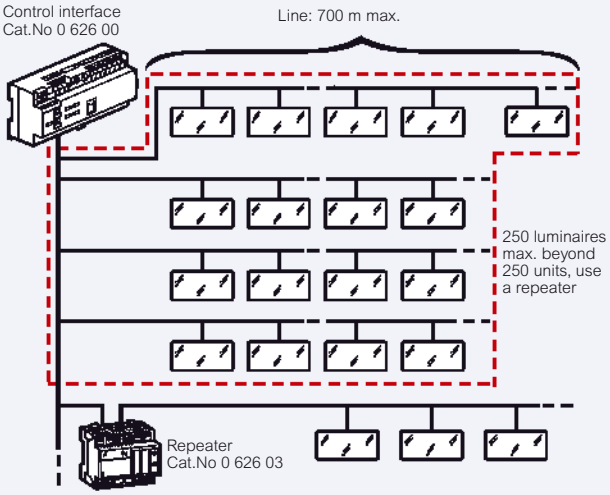


Control interface dimensions (in mm)

Cat.No 0 626 00

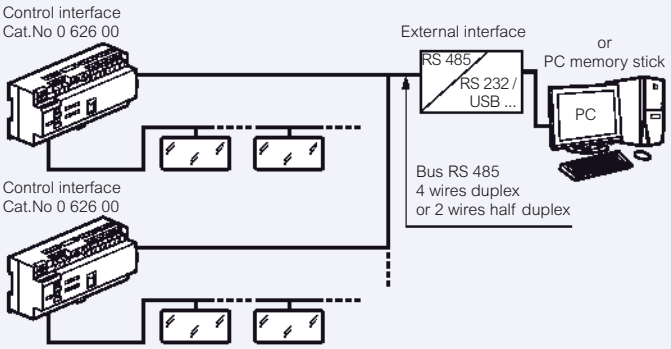


Wiring

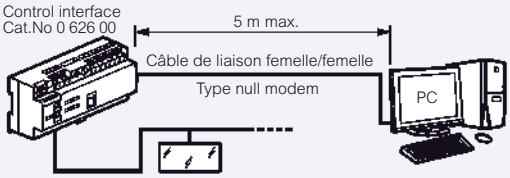


Control interface capacity: 1023 luminaires

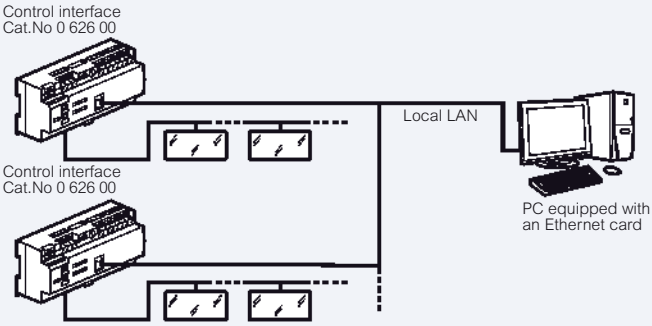
PC connection to control interface(s) through RS 485 serial BUS



PC connection to control interface through RS 232 serial line



PC connection to control interface through Ethernet network



Power packs

to convert normal lighting source into emergency lighting



0 618 40



0 618 46

To convert one fluorescent normal lighting source into an emergency lighting source
Able to operate either on maintained or non-maintained mode
Made up with a slim charger/inverter module and a battery pack designed to fit fluorescent luminaires
Certified to EN 61347-2-7 standard (◪ Cat.Nos 0 618 40/42/46/48, Ⓢ other Cat.Nos)
Operating ambient temperature: 10 °C to 40 °C
Suitable for incorporation into luminaires with internal temperature up to 50 °C
To be installed apart in a remote box above 50 °C
Ni-Cd batteries
Recharge time: 24 h
Charge monitor with a green LED

Pack	Cat.Nos	**Standard conversion kits**
		1 h duration - 230 V - 50/60 Hz - For all lamps
1	0 618 40	For 6 to 36 W lamps
1	0 618 42	For 6 to 58 W lamps (high efficiency)
1	0 618 46	For 6 to 58 W lamps

For wiring diagrams, **see e-catalogue**

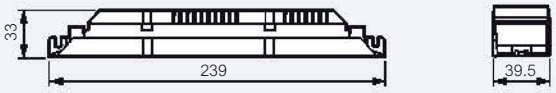
Power packs

to convert normal lighting source into emergency lighting

Dimensions

Cat.Nos 0 618 40/42/46

Module



Battery



Cat.Nos	A	B	C	D
0 618 40	242	36	36	-
0 618 42	227	36	-	72
0 618 46	227	36	36	-

Ballast lumen (BLF) selection chart

Lamp	Wattage	BLF (Ballast Lumen Factor)		
		0 618 40	0 618 42	0 618 46
T8	18 W	0.35	0.95	0.45
	36 W	0.16	0.41	0.18
	58 W	-	0.33	0.15
T5	14 W	0.29	0.65	0.48
	21 W	0.25	0.56	0.26
	24 W	0.24	0.53	0.24
	28 W	0.22	0.50	0.22
	35 W			
	49 W		0.39	0.18
	54 W		0.38	0.17
PLC	10 W			
	13 W			
	18 W			
	26 W			
PLL	18 W	0.35	0.92	0.44
	24 W	0.21	0.53(2)	0.23(2)
	36 W	0.18	0.43(2)	0.20(1)
	40 W	0.18(3)	0.49	0.22
	55 W	0.13(3)	0.36	0.16
PLT	18 W			
	26 W			
	32 W			
	42 W			
2D	10 W		0.40(1)	0.88
	16 W	0.48(1)	0.90(2)	0.42(2)
	21 W	0.40	0.76(2)	0.33(2)
	28 W	0.31	0.61(2)	0.28(2)
	38 W	0.26	0.57	0.20
	55 W	-	-	-
C	22 W	0.35	0.76	0.35
	32 W	0.24	0.53	0.24
	40 W	0.19	0.42(1)	0.19(2)

1: Autonomy > to 1h30
2: Autonomy > to 1h45
3: Autonomy > to 45 min

Access control
stand-alone indoor and outdoor kits



0 767 33



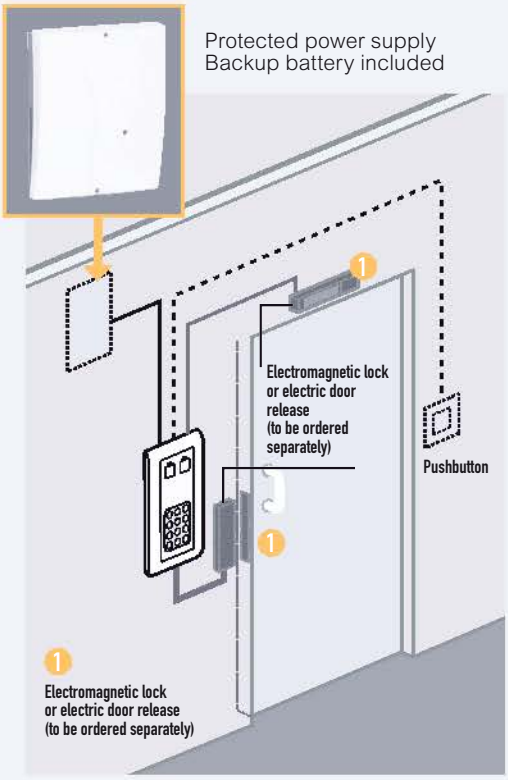
0 767 34

Pack	Cat.Nos	Kits
1	0 767 33	**Indoor kit** Kit comprising: - 1 Mosaic internal coded keypad Cat.No 0 767 41 - 1 Mosaic pushbutton Cat.No 0 770 40 supplied complete - 1 protected power supply Cat.No 0 767 18 and battery Cat.No 0 407 49
1	0 767 34	**Outdoor kit** Kit comprising: - 1 Soliroc external coded keypad Cat.No 0 778 78 - 1 Mosaic pushbutton Cat.No 0 770 40 supplied complete - 1 protected power supply Cat.No 0 767 18 and battery Cat.No 0 407 49

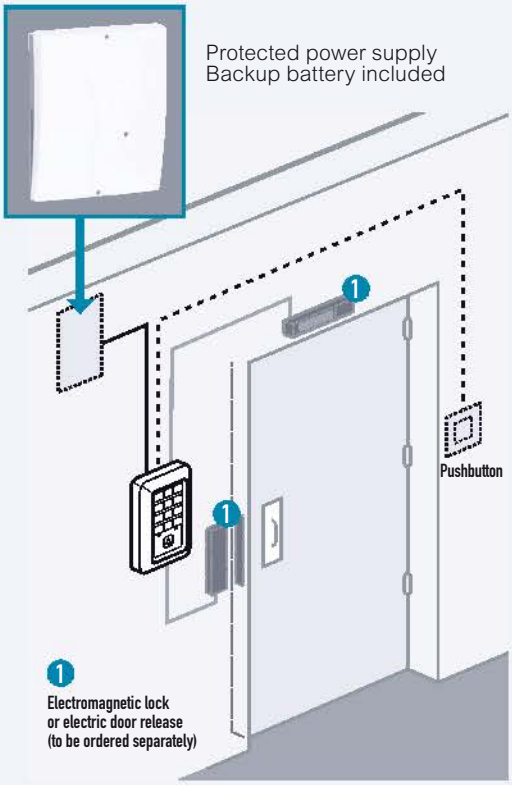
Access control
stand-alone indoor and outdoor kits

Installation principle

Indoor kit, Cat.No 0 767 33



Outdoor kit, Cat.No 0 767 34



Access control
stand-alone keypads



0 767 41



0 778 78

All readers have indicators and a buzzer to indicate the door status

Pack	Cat.Nos	Internal coded keypads
		For mounting in flush or surface-mounting boxes (5 modules) Can be used in stand-alone or centralised mode 100 user codes in stand-alone mode 1 pushbutton input for internal unlocking 1 relay output for door release or electromagnetic lock 10 000 codes in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Consumption 100 mA - 12 V⎓ IP 40 - IK 04
		Mosaic
1	0 767 41	Internal coded keypad To be equipped with supports and finishing plates (p. 804)
		Arteor
1	5 722 52	White internal coded keypad Supplied with support and finishing plate
1	5 727 52	Black Mirror internal coded keypad Supplied with support and finishing plate
		External coded keypads
		Soliroc
1	0 778 76	External coded keypad Backlit buttons Surface-mounting 100 user codes in stand-alone mode 1 self-protection contact (pull out + opening) 1 pushbutton input for internal unlocking 1 relay output for door release or electromagnetic lock Power supply 12/24 V∿/⎓ Consumption 80 mA at 12 V⎓ IP 55 - IK 10
1	0 778 78	External coded keypad with call button Backlit buttons Surface-mounting, cable outlet 100 user codes in stand-alone mode 1 self-protection contact (pull out + opening) 1 pushbutton input for internal unlocking 1 relay output for door release or electromagnetic lock 1 N/O pushbutton on front Power supply 12/24 V∿/⎓ Consumption 80 mA at 12 V⎓ IP 55 - IK 10

Access control
stand-alone badge readers



0 767 42



0 778 72

All readers have indicators and a buzzer to indicate the door status

Pack	Cat.Nos	Internal badge readers
		For mounting in flush or surface-mounting boxes (5 modules) Can be used in stand-alone or centralised mode 500 user badges in stand-alone mode 1 pushbutton input for internal unlocking 1 relay output for door release or electromagnetic lock 10 000 badges in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Consumption 118 mA - 12 V⎓ - IP 40 - IK 04
		Mosaic
1	0 767 42	Internal badge reader To be equipped with supports and finishing plates (p. 804)
		Arteor
1	5 722 51	White internal badge reader Supplied with support and finishing plate
1	5 727 51	Black Mirror internal badge reader Supplied with support and finishing plate
		External badge readers
		Soliroc
1	0 778 72	Surface-mounting external badge reader Backlit detection area Surface-mounting, cable outlet 500 user badges in stand-alone mode 1 self-protection contact (pull out + opening) 1 pushbutton input for internal unlocking. 1 relay output for door release or electromagnetic lock. Power supply 12/24 V∿/⎓ Consumption 80 mA - 12 V⎓ - IP 55 - IK 10

Access control
stand-alone biometric readers, energy saver units and badges


0 767 03



0 767 30

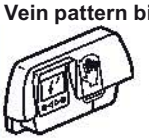


0 767 28 + 0 767 11


0 767 10

All readers have indicators and a buzzer to indicate the door status

Biometric readers

Pack	Cat.Nos	
		For mounting in flush or surface-mounting boxes (5 modules) Can be used in stand-alone or centralised mode 999 user fingerprints in stand-alone mode 1 pushbutton input for internal unlocking 1 relay output for door release or electromagnetic lock 999 fingerprints in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Consumption 145 mA - 12 V IP 40 - IK 04
		Mosaic
1	0 767 03	 Biometric fingerprint reader To be equipped with supports and finishing plates (p. 804)
		Arteor
1	5 722 50	 White biometric fingerprint reader Supplied with support and finishing plate
1	5 727 50	Black Mirror biometric fingerprint reader Supplied with support and finishing plate
		Vein pattern biometric reader
1	0 767 30	 Surface-mounting (protection kit on request) Operates in stand-alone mode with the door opening device connected directly to the reader, or in centralised mode, connected to door controller, Cat.No 0 767 04 1 000 vein patterns stored, in both stand-alone and centralised mode Reads vein pattern only, or badge associated with a vein pattern 1 self-protection contact (pull out + opening) Power supply 12 V⎓ Consumption 300 mA IP 43 - IK 04

Energy saver units

		For switching on a circuit, for example in a meeting room, office, hotel rooms, etc. Only operate with Mifare ISO contactless badges Cat.Nos 0 767 11/12/13 30 s time delay after removal of the badge Low capacity contact: 230 V power 0.25 A Luminous strip on the front so you can see it when you enter the room
1	0 767 28	 Mosaic
1	5 722 53	 Arteor white
1	5 727 53	Arteor magnesium

Badges

Pack	Cat.Nos	
5	0 767 10	 MIFARE contactless badge key fob 13.56 MHz With customisable tab included
10	0 767 11	 MIFARE contactless badge card ISO format (50 x 80 mm) Chip: 13.56 MHz Standard 1 KB memory

Closing accessories

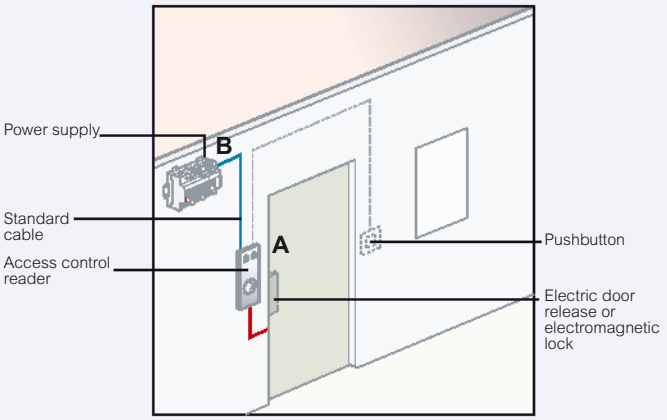
1	0 767 07	Electromagnetic lock 300 kg Indicates the position of the door by 2-colour LED and forwarding possible by changeover contact Control of the door position by Hall effect Consumption: 24 V - 300 mA - 7.2 W, 12 V - 600 mA - 7.2 W
1	0 408 95	Undervoltage door release 12 V⎓ - 600 mA For operation in emergency exits Dimensions: 158 x 26 x 32 mm
1	0 408 98	Shunt trip door release 12 V= 6 W - 500 mA Dimensions: 158 x 26 x 32 mm

Protected power supply

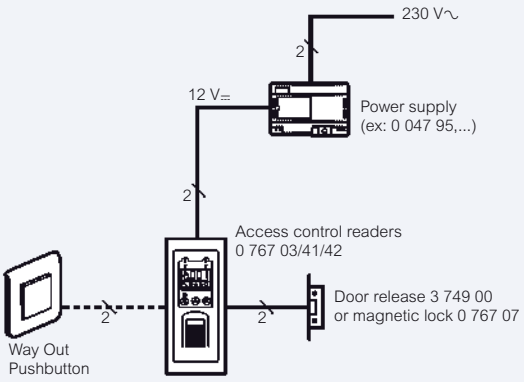
1	0 767 18	12 V⎓ - 4 A power supply Backed up by 12 V - 7 Ah battery Cat.No 0 407 49 (not supplied)

Access control stand-alone

Installation principle in stand-alone mode



Wiring principle



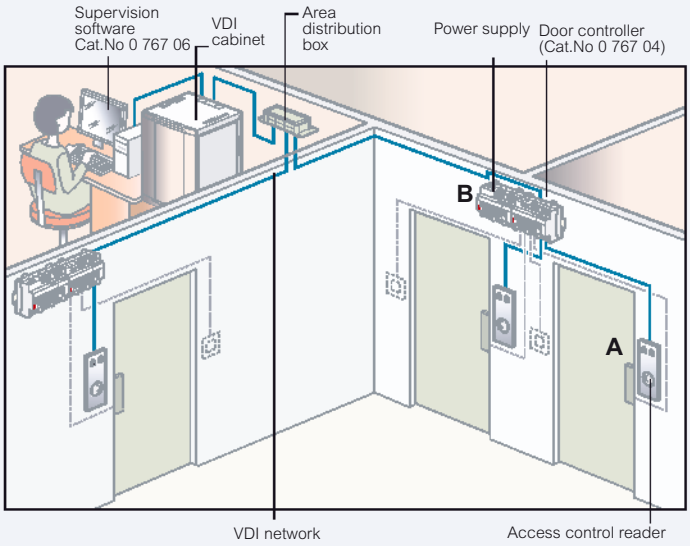
Selection guide

			Risk level	Door opening to:	
				Inside	Outside
A	Readers	Coded keypad	+	0 767 00/41 5 722 52/5 727 52	0 778 76/78
		Badge reader	++	0 767 42 5 722 51/5 727 51	0 778 72
		Fingerprint reader	+++	0 767 03 5 722 50/5 727 50	tailor made 0 767 30
	Closing accessories	Door release (flush mounting)		0 408 95/96/98	
		Lock (surface-mounting)		0 767 07/08/09	
B	Power supply			4 131 05(1) 0 047 92(1)	0 767 18 + 0 407 49(1)

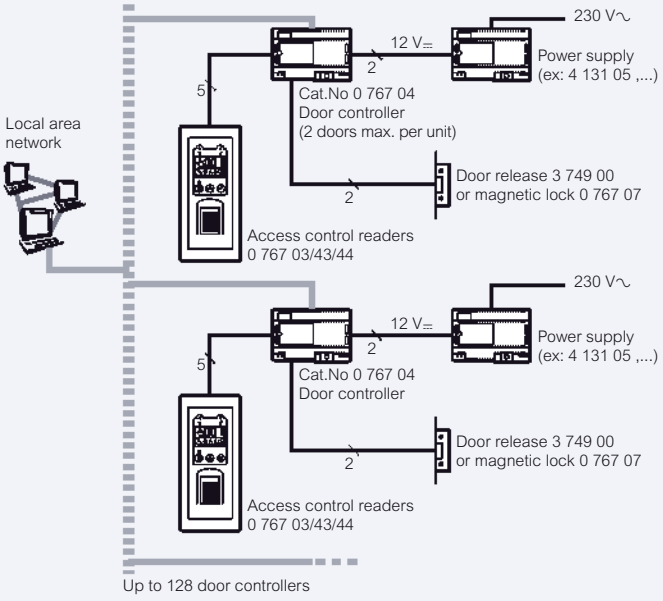
1: The choice of the type of power supply, with or without battery, determines whether the door will open when there is a mains failure

Access control centralised

Installation principle in centralised mode



Wiring principle



Selection guide

			Risk level	Door opening to:	
				Inside	Outside
A	Readers	Coded keypad	+	0 767 43 5 722 52/5 757 52	0 767 17 0 778 73
		Badge reader	++	0 767 44 5 722 51/5 727 51	0 767 16/32
		Fingerprint reader	+++	0 767 03 5 722 50/5 727 50	tailor made 0 767 30/31
	Closing accessories	Door release (flush mounting)		0 408 95/96/98	
		Lock (surface-mounting)		0 767 07/08/09	
B	Power supply			4 131 05(1) 0 047 92(1)	0 767 18 + 0 407 49(1)

1: The choice of the type of power supply, with or without battery, determines whether the door will open when there is a mains failure

Access control centralised keypads


0 767 00


0 767 17


0 778 73

All readers have indicators and a buzzer to indicate the door status

Pack	Cat.Nos	Internal coded keypads
		For mounting in flush or surface-mounting boxes (5 modules) 10,000 codes in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Consumption 100 mA - 12 V⎓ IP 40 - IK 04
1	0 767 00	**Centralised internal black coded keypad for door frame**  Surface-mounting, slim 10,000 codes in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Supplied with dedicated 12 V power supply (enabling operation in stand-alone mode if required) Consumption 100 mA - 12 V IP 54 - IK 07
1	0 767 43	**Mosaic**  Internal coded keypad To be equipped with supports and finishing plates (p. 804)
1	5 722 54	**Arteor**  White internal coded keypad Supplied with support and finishing plate

Pack	Cat.Nos	External coded keypad
1	0 767 17	 Backlit buttons Surface-mounting, cable outlet 10,000 codes in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) 1 self-protection contact (pull out + opening) Power supply 12 V Consumption 80 mA at 12 V⎓ IP 65 - IK 10
1	0 778 70	**Soliroc external coded keypad**  Backlit buttons Surface-mounting, cable outlet 10,000 users in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Reads code only 1 self-protection contact (pull out + opening) Power supply 12/24 VA/⎓ Consumption 80 mA at 12 V⎓ IP 55 - IK 10
1	0 778 73	**Coded keypad + badge reader**  Soliroc external coded keypad + badge reader Backlit buttons Surface-mounting, cable outlet 10,000 users in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Reads code only, badge only, or badge associated with a code 1 self-protection contact (pull out + opening) Power supply 12/24 V~/⎓ Consumption 80 mA at 12 V⎓ IP 55 - IK 10

Access control
centralised badge readers and biometric readers


0 778 71


0 767 16

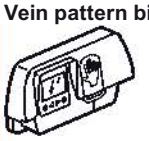

0 767 03



0 767 30

All readers have indicators and a buzzer to indicate the door status

Pack	Cat.Nos	Internal badge readers
		10 000 codes in centralised mode with door controller Cat.No 0 767 04 (compatible with Wiegand protocol) Consumption: 100 mA - 12 V⎓ IP 40 - IK 04
1	0 767 44	**Mosaic**  Internal badge reader To be equipped with support and finishing plate
1	5 722 55	**Arteor**  White internal badge reader Supplied with support and finishing plate
		External badge readers
1	0 778 71	**Soliroc external badge reader**  Backlit buttons Surface-mounting, cable outlet 10,000 users in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Badge only, or badge associated with a code 1 self-protection contact (pull out + opening) Power supply 12/24 VA/⎓ Consumption 80 mA at 12 V⎓ IP 55 - IK 10
1	0 767 16	**External badge reader**  Surface-mounting, slim, cable outlet 10,000 user badges in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) 1 self-protection contact (pull out) Power supply 12 V Consumption 80 mA - 12 V⎓ - IP 65 - IK 10
1	0 767 32	**Badge reader for car park**  Long distance external badge reader Surface mounted, cable outlet 10,000 user badges in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Only operates with dual technology badge Cat.No 0 767 12 1 self-protection contact (pull out) Power supply 12 V Consumption 350 mA - 12 V⎓ - IP 54 - IK 08

Pack	Cat.Nos	Biometric readers
		For mounting in flush-mounting box or surface-mounting (5 modules) Can be used in stand-alone or centralised mode 999 user fingerprints in stand-alone mode 1 pushbutton input for internal unlocking 1 relay output for door release or electromagnetic lock 999 fingerprints in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Consumption 145 mA - 12 V IP 40 - IK 04
1	0 767 03	**Mosaic biometric fingerprint reader**  To be equipped with supports and finishing plates (p. 804)
1	5 722 50	**Arteor white biometric fingerprint reader**  Supplied with support and finishing plate
1	0 767 30	**Vein pattern biometric reader**  Surface-mounting (protection kit on request) Operates in stand-alone mode with the door opening device connected directly to the reader, or in centralised mode, connected to door controller, Cat.No 0 767 04 1000 vein patterns stored, in both stand-alone and centralised mode Reads vein pattern only, or badge associated with a vein pattern 1 self-protection contact (pull out + opening) Power supply 12 V⎓ Consumption 300 mA IP 43 - IK 04
1	0 767 31	**Biometric fingerprint + badge reader**  Surface-mounting 10,000 users in centralised mode with door controller Cat.No 0 767 04 (Compatible with Wiegand protocol) Reads fingerprint only (max. 250 fingerprints), or badge associated with a fingerprint 1 self-protection contact (pull out + opening) Power supply 12 V⎓ Consumption 300 mA IP 44 - IK 04

Access control
centralised controller, accessories and power supplies


0 767 04


0 767 05


0 767 08


0 047 92

Pack	Cat.Nos	Door controller
1	0 767 04	DIN rail mounting (6 modules) For centralised management of access control readers from a PC (IP protocol) Up to 2 readers can be connected per controller, and up to 128 controllers per installation (1000 users) Power supply: 12 V⎓ - 175 mA max. 1 x RJ 45 input for connection to VDI network Can control 2 complete door assemblies For more than one controller, use management software Cat.No 0 767 06
		Software
1	0 767 06	LAS (Legrand Access System) management software Required for more than one door controller, for supervision of the following from a PC: - Access (integration of CAD drawings): 256 doors - Readers, badges: 64 user groups - Events (entries, exits): 10000 most recent events - Time periods: 64
		Accessories
1	0 767 05	**Badge encoder** For easy management of badges (creation, loss, cancellation, theft, etc.) Operates either with stand-alone badge readers, with software which is included, or together with the management software Cat.No 0 767 06 for encoding badges (eg: receptionist, etc.) Connects directly to a PC via USB connection LAS Badge Manager software included for managing stand-alone readers
		Badges
5	0 767 10	MIFARE contactless badge key fob 13.56 MHz With customisable tab included
10	0 767 11	MIFARE contactless badge card ISO format (50 x 80 mm) Chip: 13.56 MHz Standard 1 KB memory
10	0 767 12	MIFARE contactless dual technology badge card ISO format (50 x 80 mm) Chip: 125 KHz Required for operating an installation with car park reader (customized) Cat.No 0 767 32
10	0 767 13	MIFARE contactless badge card with extended memory ISO format (50 x 80 mm) Chip: 13.56 MHz 4 KB extended memory

Pack	Cat.Nos	Closing accessories
1	0 767 08	**Electromagnetic lock** 500 kg Indicates the position of the door by 2-colour LED and forwarding possible by changeover contact Control of the door position by Hall effect Consumption: 24 V - 250 mA - 7.2 W, 12 V - 500 mA - 7.2 W
1	0 767 09	**Motorised bolt** With manual internal unlocking Built-in position contact 12 V⎓ - 470 mA For surface-mounting installation
1	0 408 96	**2-stage door release** Very short shunt-trip door release (2-stage) 12 V⎓ - 200 mA For operation in double-entrance security doors Dimensions: 158 x 26 x 32 mm
		Power supplies
1	0 047 92	**Stabilised 12 V power supply** Equipped with: - Electronic protection (against overloads and short-circuits) - Integral fuse protection on input - A green voltage present indicator on output Power supply 115 - 230 V∿ 12 V⎓ Primary 115-230 V: 0 047 92 — Power (W): 30 — Current (A): 2.5 — Number of 17.5 mm: 6
1	4 131 05	**Filtered rectified power supply** Comprising: - A safety transformer with interference filtering - A filter capacitor - Protection by PTC integrated in the primary - Double operating terminals PTC: Positive temperature coefficient. In the event of an automatic cut-off due to an overload or short circuit, switches off the power supply and allows it to cool down before switching on again 12 V⎓ Power (W): 15 — Current (A): 1.3 — Terminal capacity flexible cables (mm²) input: 6 — output: 6 — No. of modules: 5
		Protected power supply
1	0 767 18	12 V⎓ - 4 A power supply Backed up by 12 V - 7 Ah battery Cat.No 0 407 49 (not supplied)

see e-catalogue
for detailed information

Smart Security system central units

Discover our solutions

Ideal solution to manage access control, intruder and technical alarm and CCTV for small to medium commercial premises and offices.

The Smart Security system can manage up to:
- 20 cameras*
- 60 access control readers*
- 40 area boxes
- 160 intruder alarm sensors*

Capacity: 160 video recordings, more than 1000 events



Intermediate area box



Terminal area box

The control panel

At the heart of the system, the control panel holds 2 RJ 45 sockets:
- one dedicated to an intermediate area box in which devices or terminal area boxes can be plugged, hence allowing the connection of many devices.
- one used to connect the Smart Security system to the network or LAN.

Possibility to manage the Smart Security system from a computer or directly through the control panel with a touch screen



Control panel 19"



Touch screen control



0 433 02



0 433 01

Central units able to manage primary and terminal area boxes equipped with either access control, intruder alarm, technical alarm and cameras equipment for small and medium businesses
They are equipped with tamper protection, 2 USB slots, internal GSM transmitter (SIM not supplied)
The central units have embedded webservice software which can be accessible through browsers (mozilla Firefox) on computers, tablets or smartphones
Central units can be managed both locally and remotely through 2 RJ 45 on board

Access control key functions:
- Users / Groups management
- Events / Time schedule management
- Doors equipped with keypad or badge readers

Intruder / Technical alarm key functions:
- Detectors / Zone management / Mode management
- Events / Time schedule management

CCTV key functions:
- IP cameras / live viewing
- Recordings manually and automatically

Common functions:
- Notification email / SMS
- Log export
- System auto surveillance

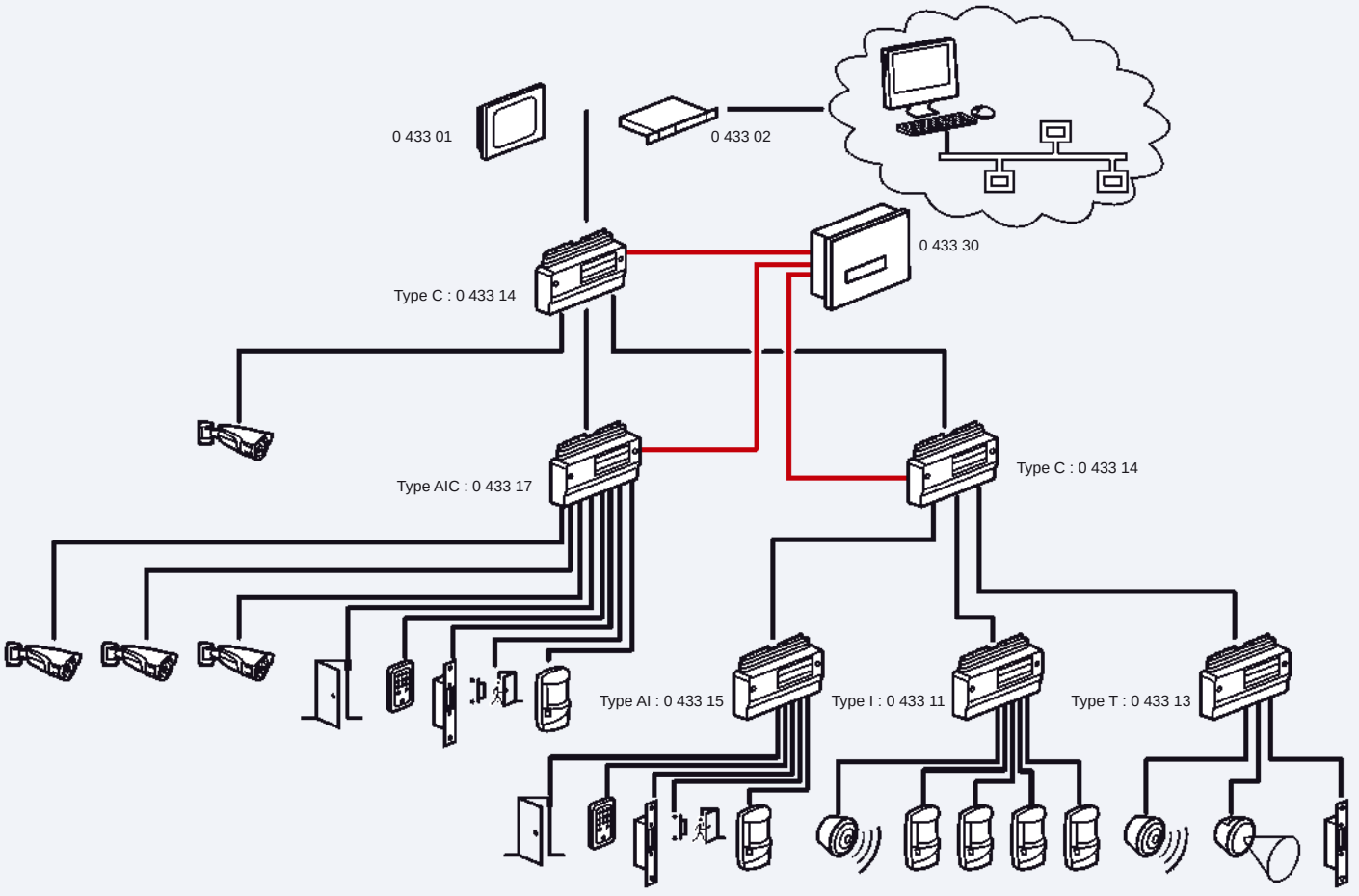
Pack	Cat.Nos	19" central unit
1	0 433 02	Delivered with all accessories for rack mounting Powered by PoE delivered by a primary area box IP 30- IK 04 1 U - depth 250 mm
		Touch screen control
1	0 433 01	Wall-mounting or table-mounting (accessories included) Powered by PoE delivered by a primary area box IP 31 - IK 04 322 x 242 x 44 mm

* Please refer to manuals

Smart Security system area boxes

devices capacity

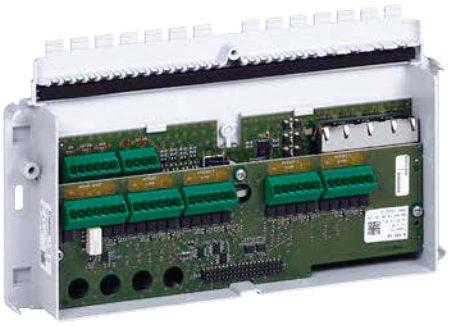
Cat.No	0 433 14	0 433 17	0 433 18	0 433 11	0 433 13	0 433 15	0 433 16
Type	C	AIC	IC	I	T	AI	A
IP IK	= IP 40			= IP 42		IK 06	
	PoE 802.3 at 25 W max.						
READER		: 13.8 V 400 mA max.				: 13.8 V 400 mA max.	: 13.8 V 522 mA max.
INTRUDER			: 13.8 V 2 x 400 mA max.				
DOOR RELAY		: 13.8 V 640 mA max. 48 V max. ∿ 62.5 VA ⎓ 60 W				: 13.8 V 640 mA max. 48 V max. ∿ 62.5 VA ⎓ 60 W	: 13.8 V 522 mA max.
RELAY					: 13.8 V 400 mA max. 48 V max. ∿ 62.5 VA ⎓ 60 W		
WARNING DEVICE			: 13.8 V 640 mA max. 48 V max. ∿ 62.5 VA ⎓ 60 W				



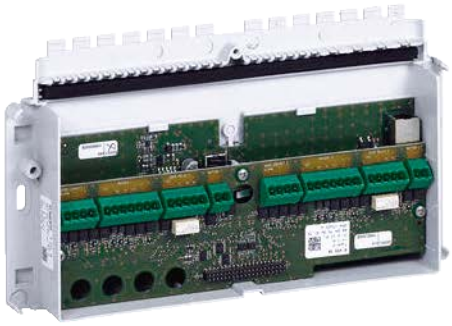
Technical characteristics, **see e-catalogue**

Smart Security system area boxes

indoor



0 433 18



0 433 16

Primary area boxes are plugged together in order to establish the dedicated IP network for Smart Security system
From these primary area boxes you can connect primary or terminal area boxes, IP cameras, and one central unit
Each area box is also able to connect different devices such as access control readers, intruder sensors, technical sensors or IP cameras
Installation: on wall, on cable trays (Cablofil wire mesh trays, perforated metal cable trays) or on DIN rails (accessories supplied)
Equipped with 2 LEDs for status, and tamper protection to detect opening and stripping
IP 42 - IK 06
Dim.: 290 x 162 x 60 mm

Pack	Cat.Nos	Primary area boxes
1	0 433 14	Equipped with 4 RJ 45 plugs (4 x 25 W PoE) Possibility to connect up to 3 cameras per box or 3 terminal area boxes 1 input for regulated power supply (Cat.No 0 433 30)
1	0 433 17	1 access control and 1 intruder sensor line primary area box Equipped with 4 RJ 45 plugs (4 x 25 W PoE) Possibility to connect up to 3 cameras per box or 3 terminal area boxes Possibility to connect 1 access control (1 Wiegand reader 26/30/34 bits input, 1 door contact input, 1 power relay output, 1 pushbutton input) Possibility to connect 1 intruder sensor line (1 detection contact input, 1 position contact input, 1 tamper protection input) 3 x 12 V power suppply outputs 1 input for regulated power supply (Cat.No 0 433 30)
1	0 433 18	4 intruder sensor lines primary area box Equipped with 4 RJ 45 plugs (4 x 25 W PoE) Possibility to connect up to 3 cameras per box or 3 terminal area boxes Possibility to connect 4 intruder sensor lines (4 detection contact inputs, 4 position contact inputs, 4 tamper protection inputs) 1 warning devices output (Cat.Nos 0 432 60/61/63) 5 x 12 V power suppply outputs 1 input for regulated power supply (Cat.No 0 433 30)

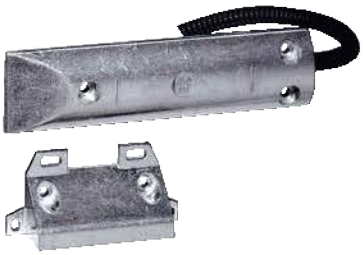
Pack	Cat.Nos	Terminal area boxes
		Each terminal box is connected to one primary area box
1	0 433 11	4 intruder sensor line terminal area box Possibility to connect 4 intruder sensor line (4 detection contact inputs, 4 position contact inputs, 4 tamper protection inputs) 1 warning devices output (Cat.Nos 0 432 60/61/63) 4 x 12 V power suppply outputs
1	0 433 13	4 relays terminal area box Possibility to connect 4 automatisms through 4 power relays 1 warning devices output (Cat.Nos 0 432 60/61/63) 4 x 12 V power suppply outputs
1	0 433 15	1 access control and 1 intruder sensor line terminal area box Possibility to connect 1 access control (1 Wiegand reader 26/30/34 bits input, 1 door contact input, 1 power relay output, 1 pushbutton input) Possibility to connect 1 intruder sensor line (1 detection contact input, 1 position contact input, 1 tamper protection input) 3 x 12 V power suppply outputs
1	0 433 16	2 access control terminal area box Possibility to connect 2 access controls (2 Wiegand reader 26/30/34 bits inputs, 2 door contact inputs, 2 power relay outputs, 2 pushbutton inputs) 3 x 12 V power supply outputs

Smart Security system sensors and alarms

indoor



0 431 00



0 431 08



0 432 60

Table of consumption **see e-catalogue**

To be plugged into primary or terminal area boxes
Refer to EN 50131 certification (see manuals)

Pack	Cat.Nos	Indoor intruder alarm sensors
		All sensors equipped with tamper protection have to be wired with 6 x 6/10e wires (Cat.No 0 433 95) Max. loop length: 300 m Installation height: 2.3 m
		Ceiling sensor
1	0 431 45	Infrared ceiling detector 7 meters 360° detection if installed on a 2.3 m ceiling
		Wall-mounting sensors
1	0 431 18	Detection angle 85° - 11 meters range
1	0 431 17	Detection angle 85° - 18 meters range
1	0 431 19	Detection angle 9,5° - 25 meters range
		Double technology wall-mounting sensors
1	0 431 42	Detection angle 85° - 11 meters range
1	0 431 43	Detection angle 90° - 15 meters range
		Mounting accessory
1	0 433 92	For wall-mounting sensors

Pack	Cat.Nos	Perimetric sensors
		Magnetic door open sensors
1	0 431 00	Surface-mounting sensor (1 flexible blade / 1 movable magnet)
1	0 431 01	Flush-mounting (for non-magnetic doors)
1	0 431 08	For metal door / entrance gate (supplied with cable and steel sheath)
		Glass break and contact mat sensors
1	0 431 10	Glass break sensor Detection range: 1.5 m radius Ultrasonic detection (glass-cutting detection)
1	0 431 12	Contact mat sensor Dim.: 700 x 400 mm

Pack	Cat.Nos	Warning devices
		Certified EN 50131-4 Grade 2
		Indoor / Outdoor alarm
1	0 432 60	113 dB to 1 meter (+/- 2 dB) self-powered Supplied without battery (Cat.No 0 407 47) IP 43 - IK 08 Dim.: 246 x 175 x 76 mm
		Outdoor alarm with integrated flash
1	0 432 63	113 dB to 1 meter (+/- 2 dB) self-powered Supplied without battery (Cat.No 0 407 47) IP 43 - IK 08 Flash time: 5 minutes Dim.: 246 x 175 x 76 mm
		Indoor alarm
1	0 432 61	113 dB to 1 meter (+/- 2 dB) non self-powered (12 V) Dim.: 143 x 121 x 62 mm

CCTV IP cameras **p. 642**



Smart Security system badges and accessories

indoor & outdoor



0 433 30



0 767 10



0 767 11



0 767 07







0 767 09



0 408 96

These products have to be plugged into area boxes

Pack	Cat.Nos	Accessories
1	0 433 30	4 A - 56 V power supply Equipped with: - four battery slots for 4 x 12 V/7 Ah or 4 x 12 V/12 Ah batteries - a tamper protection against forced opening and tear - a battery charge control - a system monitoring the overall condition of the charger
1	0 433 95	6-core alarm cable 6/10e (cores are of different colours) for connecting alarm devices Length: 50 m
1	0 433 16	Junction box Dim.: 75 x 75 x 35 mm
1	0 407 49	12 V - 7 Ah battery for power supply Cat.No 0 433 30
1	0 407 47	12 V - 1.2 Ah battery for warning devices Cat.Nos 0 432 60 and 0 432 63
1	0 407 53	12 V - 12 Ah battery for power supply Cat.No 0 433 30

Pack	Cat.Nos	Badges
5	0 767 10	MIFARE contactless badge key fob 13.56 MHz With customisable tab included
10	0 767 11	MIFARE contactless badge card ISO format (50 x 80 mm) Chip: 13.56 MHz Standard 1 KB memory
1	0 767 12	MIFARE contactless dual technology badge card ISO format (50 x 80 mm) Chip: 125 KHz Required for operating an installation with car park reader (customized) Cat.No 0 767 32
1	0 767 13	MIFARE contactless badge card with extended memory ISO format (50 x 80 mm) Chip: 13.56 MHz 4 KB extended memory

		Closing accessories
1	0 767 07	**Electromagnetic lock** Electromagnetic lock 300 kg Indicates the position of the door by 2-colour LED and forwarding possible by changeover contact Control of the door position by Hall effect Consumption: 24 V - 300 mA - 7.2 W, 12 V - 600 mA - 7.2 W
1	0 767 09	**Motorised bolt** With manual internal unlocking Built-in position contact 12 V⎓ - 470 mA For surface-mounting installation
1	0 408 96	**2-stage door release** Very short shunt-trip door release (2-stage) 12 V⎓ - 200 mA For operation in double-entrance security doors Dimensions: 158 x 26 x 32 mm

Simply protect and secure valuable areas

Ideal solutions for retail shops, supermarkets and warehouses

A WIDE AND GLOBAL RANGE
- Analog solutions
- IP solutions



CCTV kits, p. 636



Recording solutions, p. 641, 645



Dome cameras, p. 638, 642



Video monitors, p. 646



Speed dome cameras, p. 639



Management software, p. 641

PRODUCT CONFIGURATOR

http://cctv.legrand.com/

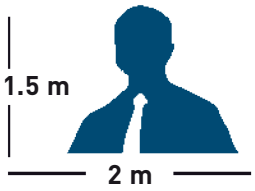
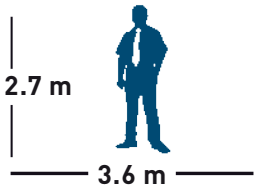


TECHNICAL DOCUMENTS

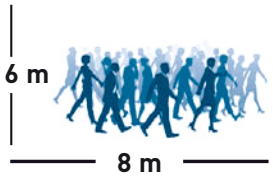
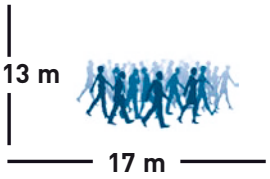
www.legrandoc.com



Select the most suitable cameras

DISTANCE BETWEEN CAMERA AND SCENE (metres)	NARROW SHOTS (Identification)	NARROW SHOTS (Recognition)
		
FIXED LENS		
1.2-1.5	Compact cameras: Cat.Nos 4 305 12/40 Dome cameras: Cat.Nos 4 305 00/01/03/05 Special cameras: Cat.Nos 4 305 35/36/39 IP cameras: Cat.Nos 4 306 32/36/37/40/45	-
2	Compact cameras: Cat.No 4 305 14 IP cameras: Cat.Nos 4 306 30/38	Dome cameras: Cat.No 4 305 00 IP cameras: Cat.Nos 4 306 32/37
3	-	Dome cameras: Cat.Nos 4 305 00/01/03/05 Compact cameras: Cat.Nos 4 305 12/40 Special cameras: Cat.Nos 4 305 36/35/39 IP cameras: Cat.Nos 4 306 32/36/37/38/40/45
5	-	Compact cameras: Cat.No 4 305 14
6	-	-
10	-	-
13	-	-
20	-	-
VARIFOCAL LENS		
1.5-3	Compact cameras: Cat.Nos 4 305 11/16/15/42/44 Dome cameras: Cat.Nos 4 305 02/04/06/08/20/07/09 Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34	-
3-4	Compact cameras: Cat.Nos 4 305 11/16/15/42/44 Dome cameras: Cat.Nos 4 305 02/04/06/08/20/07/09 Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.Nos 4 306 35/42/44/51/52	Compact cameras: Cat.Nos 4 305 11/16/15/42/44 Dome cameras: Cat.Nos 4 305 02/04/06/08/20/07/09 Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34
4-7	Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.No 4 306 52	Compact cameras: Cat.Nos 4 305 11/16/15/42/44 Dome cameras: Cat.Nos 4 305 02/04/06/08/20/07/09 Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.Nos 4 306 35/42/44/52
7-15	Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.No 4 306 52	Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.Nos 4 306 51/52
15-30	Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.No 4 306 52	Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.No 4 306 52
30-60	Motorised cameras: Cat.Nos 4 305 25 IP cameras: Cat.No 4 306 52	Motorised cameras: Cat.Nos 4 305 22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.No 4 306 52

N.B.: This chart shows the minimum recommended distances and provides a first selection level based on a simple description of the scene to be shot. Greater distances record larger scenes

	WIDE SHOTS (Classification)	WIDE SHOTS (Detection)
		
FIXED LENS		
	-	-
	-	-
	-	-
	Dome cameras: Cat.No 4 305 00 IP cameras: 4 306 32/37	-
	Dome cameras: Cat.Nos 4 305 00/01/03/05 Compact cameras: Cat.Nos 4 305 12/40 Special cameras: Cat.Nos 4 305 36/35/39 IP cameras: Cat.Nos 4 306 32/36/37/40/45	-
	Compact cameras: Cat.No 4 305 14 IP cameras: Cat.No 4 306 38	-
	-	Dome cameras: Cat.Nos 4 305 00/01/03/05 Compact cameras: Cat.Nos 4 305 12/40 Special cameras: Cat.Nos 4 305 36/35/39 IP cameras: Cat.Nos 4 306 32/36/37/40/45
	-	Compact cameras: Cat.No 4 305 14 IP cameras: Cat.No 4 306 38
VARIFOCAL LENS		
	-	-
	-	-
	Compact cameras: Cat.Nos 4 305 11/16/15/42/44 Dome cameras: Cat.Nos 4 305 02/04/06/08/20/07/09 Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34	-
	Compact cameras: Cat.Nos 4 305 11/16/15/42/44 Dome cameras: Cat.Nos 4 305 02/04/06/08/20/07/09 Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.Nos 4 306 35/42/44/52	-
	Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.Nos 4 306 51/52	Compact cameras: Cat.Nos 4 305 11/16/15/42/44 Dome cameras: Cat.Nos 4 305 02/04/06/08/20/07/09 Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.Nos 4 306 35/42/44/51/52
	Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.No 4 306 52	Motorised cameras: Cat.Nos 4 305 21/22/23/24/25 Modular cameras: Cat.No 4 305 34 IP cameras: Cat.No 4 306 52

7" CCTV kit



4 307 50

Effective in small shops thanks to the compact size of the 7" monitor and the DVR
The kit can be expanded with up to 4 cameras

Pack	Cat.Nos	7" CCTV kit
1	4 307 50	CCTV kit consisting of: - 4-input DVR (Cat.No 4 307 53), 7" LCD monitor (Cat.No 4 305 74) - 1 compact outdoor camera with IR capabilities and 3.6 mm fixed lens (Cat.No 4 305 12), stabilised power supply with plastic housing 12 Vdc 2.5 A (Cat.No 4 306 01) - DVR remote control and mouse supplied

17" CCTV kit



4 307 51

Effective in SoHo applications with global solution including a large 17" monitor and DVR
The kit can be expanded with up to 4 cameras

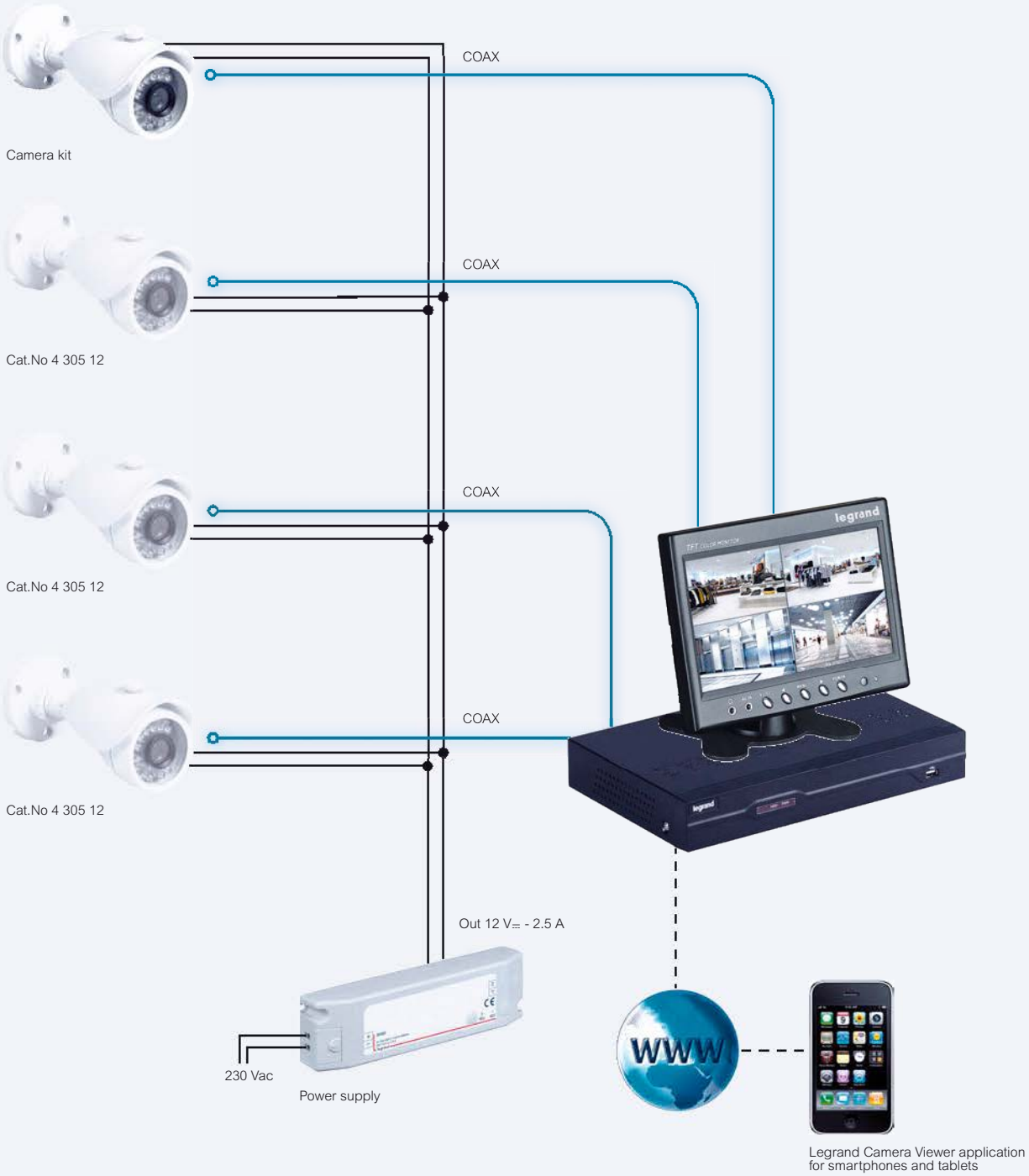
Pack	Cat.Nos	17" CCTV kit
1	4 307 51	CCTV kit consisting of: - 4-input DVR with LAN (Cat.No 4 307 53), 17" LCD monitor (Cat.No 4 305 70) - 1 compact outdoor camera with IR capabilities and 3.6 mm fixed lens (Cat.No 4 305 12), stabilised power supply with plastic housing 12 Vdc 2.5 A (Cat.No 4 306 01) - DVR remote control and mouse supplied

More information in our new CCTV brochure available on
www.docexport.legrand.com



Example of installation

CCTV kit expandable up to 4 cameras



NOTE: the power supply cables must be of adequate cross-section in relation to the distance and the corresponding voltage drop

CCTV analog compact and dome cameras indoor and outdoor


4 305 12


4 305 42



4 305 00



4 305 08



4 305 09

Selection chart **p. 634-635**

Outdoor compact cameras

Pack	Cat.Nos	
		Compact fix lenses 3.6 mm
1	4 305 12	Outdoor Night & Day SHARP 1/3", 600 TV lines LED illumination: 20 m White body camera with fixing bracket supplied Max. 210 mA - 12 V⎓ with IR LED ON
1	4 305 40	Outdoor Day & Night Sony 1/3", 700 TV lines LED illumination: 20 m Grey body camera with fixing bracket supplied Max. 200 mA - 12 V⎓ with IR LED ON
		Compact lens 6 mm
1	4 305 14	Outdoor Day & Night Sony 1/3", 420 TV lines LED illumination: 25 m Grey body camera Max. 420 mA - 12 V⎓ with IR LED ON
		Compact varifocal lenses 2.8-12 mm Outdoor Day & Night with ICR Light black body camera with fixing bracket supplied Max. 160-480 mA - 12 V⎓ with IR LED ON
1	4 305 42	Sony 1/3", 700 TV lines, IR 35m
1	4 305 44	WDR, Sony 1/3", 700 TV lines, IR 35 m
1	4 305 15	Sony 1/3", 600 TV lines, IR 25 m Min. illumination: 0.5 lux
		Compact varifocal lens 9-22 mm Outdoor Day & Night with ICR Sony 1/3" Led illumination: 50 m Light black body camera with fixing bracket supplied Max. 470 mA - 12 V⎓ with IR LED ON
1	4 305 41	600 TV lines
1	4 305 43	700 TV lines
		Compact varifocal lens 10-65 mm
1	4 305 17	Outdoor Day & Night Sony 1/3", 540 TV lines LED illumination 100 m Grey body camera with fixing bracket supplied Max. 78 mA - 230 Vac with IR LED ON

Indoor dome cameras

Pack	Cat.Nos	
		Dome cameras fix lens
1	4 305 00	Indoor dome, 2.8 mm lens Sony 1/3", 420 TV lines Min. illumination: 0.1 lux White body camera Max. 70 mA - 12 V⎓
1	4 305 01	Indoor Day & Night dome, 3.6 mm lens Sharp 1/3", 540 TV lines Min. illumination: 0.08 lux White body camera Max. 70 mA - 12 V⎓
		Dome varifocal lens
1	4 305 02	Indoor dome, 2.8-12 mm Sony 1/3", 700 TV lines Min. illumination: 0.01 lux White body camera Max. 150 mA - 12 V⎓
1	4 305 06	Indoor WDR Day & Night with ICR 2.8-12 mm Sony 1/3" sensor, resolution 700 TV lines Min. illumination: 0.03 lux White body camera Max. 210 mA - 12 V⎓

Outdoor dome cameras

		Dome fix lens
1	4 305 05	Outdoor Day & Night, 3.6 mm lens Sony 1/3" sensor, resolution 600 TV lines LED illumination: 35 m White body camera Max. 336 mA - 12 V⎓ with IR LED ON
		Dome varifocal 2.8-12 mm
1	4 305 07	Outdoor dome Sony 1/3" CCD, 600 TV lines LED illumination: 25 m White body camera Max. 310 mA - 12 V⎓ with IR LED ON
		Dome varifocal 2.8-12 mm Outdoor Day & Night with ICR, Min. illumination: 0 lux with IR LED ON White body camera Max. 320 mA - 12 V⎓ with IR LED ON
1	4 305 20	CMOS 1/3", 600 TV lines, IR 25 m
1	4 305 04	Sony 1/3" 700TVL IR 25 m
1	4 305 08	Sony HAD 1/3" 700TVL IR 25 m WDR Vandal Proof
1	4 305 09	Sony 1/3" 700TVL IR 35 m

CCTV analog speed dome motorised cameras and accessories

indoor and outdoor



4 305 21



4 305 23



4 305 24


4 306 03

Selection chart **p. 634-635**

Pack	Cat.Nos	Speed dome motorised cameras - 12 V⎓
		Auto-IRIS, auto-FOCUS, BLC, AGC S/N ratio = 50 dB (AGC OFF) Motorised cameras on 3 axes: horizontal, vertical and zoom for surveillance of the area Must be combined with the 3-axis keypad Cat.No 4 306 03 Can also be controlled through the DVRs (p. 641)
		Indoor cameras Super HAD 1/4" CCD sensor Sensitivity of 0.4 lux (colour) - 0.02 lux (B/W) Horizontal resolution of 550 TV lines (colour) Effective pixels 752 (H) x 582 (V) Pelco-D/Pelco-P protocols 127 programmable presets 1 A (power supply not supplied)
1	4 305 21	12 x (f = 3.6 - 44.3 mm) optical zoom 500 TVL 4 privacy masking zones
1	4 305 22	27 x (f = 3.5 - 94.5 mm) optical zoom 8 privacy masking zones
		Outdoor cameras SAMSUNG 1/4" sensor Effective pixels 752 (H) x 582 (V) 2.5 A (power supply not supplied) Standard wall bracket supplied with the camera
1	4 305 23	12 x (F1.8, f = 3.6 - 44.3 mm) optical zoom Sensitivity of 0.7 lux (colour) - 0.02 lux (B/W) Horizontal resolution of 500 TV lines (colour) Zoom speed of 1.75 sec. (from Wide to Tele) 4 privacy masking zones
1	4 305 24	27 x (f = 3.5 - 94.5 mm) optical zoom Sensitivity of 0.7 lux (colour) - 0.6 lux (B/W) Horizontal resolution of 550 TV lines (colour) Zoom speed of 2.5 sec (from Wide to Tele) 8 privacy masking zones
1	4 305 25	37 x (f = 3.5 - 129.5 mm) optical zoom Sensitivity of 0.4 lux (colour) - 0.02 lux (B/W) Horizontal resolution of 550 TV lines (colour) Zoom speed of 1.8 sec. (from Wide to Tele) 8 privacy masking zones

Pack	Cat.Nos	Accessories for speed dome motorised cameras
		Mounting accessories
1	4 305 94	Wall bracket for indoor speed dome camera Cat.No 4 305 22
1	4 305 97	Ceiling accessory for indoor speed dome camera Cat.No 4 305 22
1	4 305 96	False ceiling bracket for indoor speed dome camera Cat.No 4 305 22
1	4 305 95	Ceiling bracket for outdoor speed dome cameras Cat.No 4 305 23/24/25
1	4 305 98	Angular bracket for speed dome cameras Cat.No 4 305 22/23/24/25
1	4 305 99	Pole strap for outdoor speed dome cameras Cat.No 4 305 23/24/25
		Keypad
1	4 306 03	Keypad with 3-axis joystick for controlling the speed dome cameras LCD display, multi-protocol remote control (RS485) up to 1000 m, selectable data transmission speed Power supply: 12 V⎓ - 140 mA (power supply supplied)

CCTV analog modular cameras

indoor



4 305 34



4 305 75

Selection chart **p. 634-635**

Pack	Cat.Nos	Modular indoor cameras
		Standard
		SHARP 1/3" sensor, 540TVL
		Day & Night cameras
		Min. illumination of 0.1 lux
		For difficult light conditions
		Wall & ceiling mounting not supplied
		To be equipped with lenses & housings
		Grey color
1	4 305 30	Max. 100 mA 12 V⎓
1	4 305 32	Max. 110-230 Vac
		High resolution
1	4 305 34	Day & Night camera
		36 x (3.4-122.4 mm) optical zoom
		Sony 1/4" sensor, resolution 550 TV lines
		ICR filter, 0.05 (day) & 0.008 (night) lux sensitivity
		Max. 380 mA 12 V⎓
		Day & Night high sensitivity
		Night vision for infrared light sensitivity
		SONY 1/3" sensor, resolution 700 TV lines
		ICR filter, 0.8 (day) & 0.05 (night) lux sensitivity
		Wall & ceiling mounting not supplied
		To be equipped with lenses & housings
1	4 305 31	12 V 90 mA, not supplied
1	4 305 33	110-230 Vac, not supplied
1	4 305 75	WDR Day & Night camera with ICR
		Sony 1/3" sensor, resolution 700 TV lines
		Grey body camera, ceiling or wall mounting
		Max. 300 mA 12 V⎓

CCTV analog special cameras and accessories



4 305 36



4 305 88



4 305 87



4 305 92

Selection chart **p. 634-635**

Pack	Cat.Nos	Special and dummy indoor cameras
1	4 305 35	Day & Night mini camera, 3.6 mm lens
		SONY 1/3" sensor, 420 TV lines
		Min. illumination of 0.2 lux
		Cupboard mounting supplied
		Max. 120 mA 12V⎓
1	4 305 39	Day & Night camera with spot light look
		3.7 mm conical lens
		SONY 1/3" sensor, 420 TV lines
		Min. illumination of 0.05 lux
		Max. 120 mA 12V⎓
1	4 305 36	Camera with smoke detector look
		3.7 mm conical lens
		Sony 1/3" sensor, 700 TV lines
		Min. illumination of 0.01 lux
		Max. 120 mA 12V⎓
1	4 305 37	Dummy dome camera, with housing of real camera and with a real lens
		Shape is identical to Cat.No 4 305 01
1	4 305 38	Dummy compact camera, with housing of real camera and with a real lens
		Shape is identical to Cat.No 4 305 13
		Infrared LED illuminators
		Provide night vision for cameras
		White casing with wall-mounting (supplied)
1	4 305 88	Distance of 50 m. IP66 / IK10
		Power supply: 230 VA
		Can be combined with outdoor camera housing Cat.No 4 305 89
1	4 305 87	Distance of 30 m. IP55 / IK06
		Power supply: 12 V⎓
		Mounting accessories and housings
1	4 305 89	Metal housing for modular cameras Cat.Nos 4 305 30/31/32/33
		Tempered housing for outdoor use
		White housing in metal, open on top, IP 68 / IK10
		12 V⎓ power supply integrated - 2.5 A
		Heating 20 W and air cooling integrated
		Wall-mounting and accessory included
1	4 305 91	Pole mounting for metal housing Cat.No 4 305 89
1	4 305 92	Wall bracket for indoor or modular camera - 11 cm
1	4 305 93	Wall bracket for indoor or modular camera - 18 cm
		Power supplies
1	4 306 01	Stabilised power supply
		Input: 230 VA, output: 2.5 A, IP30 / IK05
1	4 306 02	DIN stabilised power supply
		Input: 230 VA - 50 Hz, output: 4.5 A
		4 modules
1	4 306 00	Plug-in power supply: 0.5 A
		Varifocal auto-iris lenses
1	4 305 80	2.8 - 11.5 mm
1	4 305 81	3.5 - 8 mm
1	4 305 82	5 - 50 mm
		CCTV tester
1	4 305 86	Tester

CCTV analog standard and high resolution DVR, VMS software


4 307 53


4 307 55


4 307 58


4 306 21

Pack	Cat.Nos	Standard DVR
		H.264 compression format, resolution of 720 x 576 (PAL) Motion detector and USB port for connection to the back-up device Integrated 500 Gb SATA hard disk (1 Tb for Cat.No 4 307 55) Equipped with an RJ 45 for LAN connection Full D1 compatible on each video input In - out alarm contacts Watermarking IR remote control supplied Allows remote viewing of images on PDA devices with compatible operating systems (iPhone, Android) via the Legrand Camera Viewer application for smartphones and tablets (Data usage is at the user's expenses) 12 V⎓ (supplied)
1	4 307 53	4-input Digital Video Recorder (DVR), 100 fps @960h
1	4 307 54	8-input Digital Video Recorder (DVR), 50 fps @960h
1	4 307 55	16-input 1TB hard disk size 400 fps @960h
		High resolution DVR
		Fully compatible with VMS Management Software H.264 compression format Real-time display DVD-RW and USB ports for back-up on external devices Allow remote viewing of images on PDA devices with compatible operating systems (iPhone, Android) via the Legrand Camera Viewer application for smartphones and tablets (Data usage is at the user's expenses) 19'' rack compatibility Protocols supported: DHCP, PPPOE, STATIC 230 Vac - 50 Hz
1	4 307 57	4-input Digital Video Recorder (DVR) 1 Tb hard disk supplied Video resolution of 100 fps @960h 4 inputs / 5 outputs for alarm
1	4 307 58	8-input Digital Video Recorder (DVR) 2 Tb hard disks supplied Video resolution of 200 fps @960h 8 inputs / 5 outputs for alarm
1	4 307 59	16-input Digital Video Recorder (DVR) 4 Tb hard disks supplied Video resolution of 400 fps @960h 16 inputs / 5 outputs for alarm

Pack	Cat.Nos	VMS management software
1	4 306 21	PC software allowing: • views from cameras to be centralised: - IP cameras connected directly to the network or recorded using an NVR - analog cameras connected to a DVR LAN recorder or a video encoder • recordings stored on DVR LAN and NVR recorders to be accessed • one or more cameras to be recorded locally via the management PC • local or remote recordings to be searched for and exported • cameras to be managed in accordance with the plan • mobile cameras to be controlled • remotely configuring IP cameras, NVRs, DVRs and encoders • automatical searching for IP cameras, NVRs, DVRs and encoders connected to the network Capacity 1000 cameras, 36 maximum simultaneously Graphic interface: up to 8 displays The use of this software requires all the products (IP cameras, DVR, NVR) to be connected to the Ethernet network Minimum configuration: • operating system: Windows XP, Windows Vista, Windows 7 • processor: Intel Core i5-760 • RAM: 4 Gb • sound card: standard • graphics card: NVIDIA GeForce 9400GT or above • network card: 10/100/1000 Ethernet

CCTV IP dome and compact cameras



4 306 36



4 306 37


4 306 38



4 306 40

Selection chart **p. 634-635**

Pack	Cat.Nos	Dome cameras
		Compression format: H264 ONVIF 2 / Profile S compliant
1	4 306 32	**Indoor dome camera 1.3 megapixels (720p) 2.8 mm** Day & Night HD camera Sensor: 1/3" CMOS Aptina Main stream: 15 fps @ 1,3 MP or 25 fps @ 720p Secondary stream: 25 fps @D1 Ceiling or wall mounting, White plastic housing Power supply: PoE (802.3af class 3) or 12 Vcc Power consumption: 1.5 W / 0.125 A
1	4 306 36	**Outdoor camera 1.3 megapixels (720p) 2.8 mm** Day & Night camera HD with IR 15 metres Sensor: 1/3" CMOS Aptina Main stream: 15 fps @ 1,3 MP or 25 fps @ HD 720p Secondary stream: 25 fps @ D1 Wall mounting, White metal /plastic housing Power supply: PoE (802.3af class 3) or 12 Vcc Power consumption: 6 W / 0.5 A
1	4 306 37	**Outdoor DWDR dome camera 2 megapixels (1080p) 2.8 mm** Day & Night camera Full HD Sensor: 1/2.8" CMOS Sony Exmor Main stream: 25 fps @ full HD1080p Secondary stream: 25 fps @ D1 White metal housing Power supply: PoE (802.3af class 3) or 12 Vcc (not supplied) Power consumption: 1.5 W / 125 mA
1	4 306 35	**Outdoor DWDR dome camera 3 megapixels (1080p) 3.3-12 mm varifocal lens** Day & Night camera Full HD with IR 20 metres Sensor: 1/2.8" CMOS Sony Exmor Main stream: 15 fps @ 3MP or 25 fps @ Full HD 1080p Secondary stream: 25 fps @ D1 Power supply: PoE (802.3af class 3) or 12 Vcc/24 Vac Ceiling or wall mounting, White metal housing Power consumption: 10 W

Pack	Cat.Nos	Compact cameras
		Indoor DWDR 1.3 megapixels (720p) cameras 3.6 mm Day & Night HD camera White LED lighting range 10 metres Sensor: 1/3'' CMOS Aptina Main stream: 15 fps @ 1.3MP or 25 fps @ HD 720p Secondary stream: 25 fps @ D1 White plastic housing Power consumption: 4 W / 0.5 A
1	4 306 38	Power supply: PoE (802.3af class 3) or 12 Vcc
1	4 306 30	Wi-Fi
1	4 306 40	**Outdoor camera 1.3 megapixels (720p) 3.6 mm** Day & Night HD camera with IR 15 metres Sensor: 1/3" CMOS Aptina Main stream: 15 fps @ 1.3 MP or 25 fps @ HD 720p Secondary stream: 25 fps @ D1 Wall mounting, White metal housing Power supply: PoE (802.3af class 3) or 12 Vcc Power consumption: 6 W / 0.5 A
1	4 306 45	**Outdoor camera 2 megapixels (1080p) 3.6 mm** Day & Night HD camera with IR 15 metres Sensor: 1/3" CMOS Aptina Main stream: 25 fps @ full HD 1080p Secondary stream: 25 fps @ D1 Wall-mounting, white metal housing Power supply: PoE (802.3af class 3) or 12 Vcc Power consumption: 6 W / 0.5 A
1	4 306 44	**Outdoor camera 2 megapixels (1080p) 3.3-12 mm** Day & Night HD camera with IR 20 metres Sensor: 1/3" Sony Exmor CMOS Main stream: 25 fps @ HD 1080p or 25 fps @ HD 720p Secondary stream: 25 fps @ D1 Wall-mounting, white metal housing Power supply: PoE (802.3af class 3) or 12 Vcc Power consumption: 10 W / 0.9 A
1	4 306 42	**Outdoor camera 3 megapixels (1080p) 3.3-12 mm** Day & Night HD camera with IR 20 metres Sensor: 1/3" Sony Exmor CMOS Main stream: 15 fps @ 3 MP or 25 fps @ HD 1080p Secondary stream: 25 fps @ D1 Wall-mounting, white metal housing Power supply: PoE (802.3af class 3) or 12 Vcc Power consumption: 10 W / 0.9 A

CCTV IP motorised and modular cameras



4 306 52



4 306 51



4 306 61



4 306 62

Selection chart **p. 634-635**

Motorised cameras

Pack	Cat.Nos	
		Compression format: H264 ONVIF 2 / Profile S compliant
1	4 306 52	**Outdoor WDR speed dome 1.3 megapixels (720p) - 18x optical zoom** Day & Night HD speed dome Sensitivity: color: 0.5 Lux/F1.6, B/W: 0.02 Lux/F1.6 Sensor: 1/3" CMOS Aptina Lens: 18x optical zoom (4.7-84.6 mm), 16x digital zoom Main stream: 15 fps @ 1.3 MP or 25 fps @ 720p Secondary stream: 25 fps @ D1 Wall-mounting (bracket supplied) Power supply: 24 VAC (supplied) Power consumption: 15 W / 0.65 A (normal), 50 W / 2.1 A (heating active)
1	4 306 51	**Outdoor speed dome 2 megapixels (1080p) - 3x optical zoom** Day & Night HD speed dome Sensitivity: color: 0.05 Lux/F1.2, B/W: 0.0005 Lux/F1.6 Sensor: 1/2.8" Sony Exmor CMOS Lens: 3x optical zoom (3-9 mm) Main stream: 25 fps @ Full HD 1080p or 25 fps @ HD 720p Secondary stream: 25 fps @ D1 Wall-mounting (bracket supplied) Power supply: 24 VAC (supplied) Power consumption: 15 W / 1.3 A

Modular cameras

Pack	Cat.Nos	
1	4 306 60	**Indoor DWDR camera 1.3 megapixels (720p)** Compression format: H264 ONVIF 2 / Profile S compliant Main stream: 15 fps @ 1.3 MP or 25 fps @ HD 720 p Secondary stream: 25 fps @ D1 Day /Night function Sensitivity: 0.1 lux F1.2 Sensor: 1/2.7" CMOS, 540L (colour) / 600L (black and white), with progressive scanning Compatible lenses: C/CS-mounting Compression format: H264 Power supply: PoE (802.3af class 3) or 12 V⎓ (not supplied) - 5 W Internal memory: micro SD card (not supplied) 1 audio input/1 audio output (bidirectional) 1 event input/1 event output (potential-free NO-NC contact) Ceiling or wall mounting White metal housing
1	4 306 61	**Indoor DWDR camera 3 megapixels (1080p)** Day & Night Full HD camera with ICR Sensor: 1/2,8" Sony Exmor Compatible lenses: C/CS-mounts / auto iris supported Main stream: 15 fps @ 3 MP or 25 fps @ Full HD 1080p Secondary stream: 25 fps @ D1 Ceiling or wall-mounting White metal housing Power consumption: 5 W
1	4 306 62	**Indoor DWDR camera 5 megapixels (1080p)** Day & Night Full HD camera Sensor: 1/3" Aptina CMOS Compatible lenses: C/CS-mounts / auto iris supported Main stream: 8 fps @ 5 MP or 25 fps @ Full HD 1080p Secondary stream: 25 fps @ D1 Ceiling or wall-mounting White metal housing Power consumption: 6 W



4 306 91



4 305 84



4 305 85

Pack	Cat.Nos	Outdoor housings for IP cameras - IP 68 - IK 10
1	4 306 92	**PoE outdoor metal housing - Ivory** Thermostatically controlled housing for outdoor installation Cable ducting built into the housing (cable glands and wall mounting included) Opened from the top Adjustable internal stand for precise adjustment of the camera's position 20 W heating Hi-PoE power supply (injector supplied) or 12 V⎓ (power consumption 2,500 mA) For pole-mounting, add Cat.No 4 306 91 Operating temperature: - 30 °C to + 60 °C Advanced function: 4 outputs 12V⎓ and 1 port RJ 45 PoE available inside
1	4 306 93	**PoE outdoor metal housing with IR - Ivory** Thermostatically controlled and ventilated housing for outdoor installation Cable ducting built into the housing (cable glands and wall mounting included) Infrared lighting using built-in LEDs Adjustable LED range: 50 - 70m Light sensor for triggering the infrared lighting 20 W heating, heat dissipated by a built-in fan Automatic demisting Hi-PoE power supply (injector supplied) or 230 V∿ (power consumption 5,000 mA) Operating temperature: - 30 °C to + 60 °C Opened from the top For pole-mounting, add Cat.No 4 306 91 Advanced functions: - Infrared lighting automatically triggered by a light sensor - NO-NC output contact triggered by the light sensor (to control day/night switching by a camera, for example) - 4 outputs 12V⎓ and 1 port RJ 45 PoE available insidePole mounting for outdoor metal housing Pole mounting system (diameter 83 - 177 mm)

Pack	Cat.Nos	Mounting accessories
1	4 306 91	Pole mounting accessory for outdoor housing Adjustable size: 83 - 117 mm diameter
1	4 305 78	Corner adaptor for IP speed dome camera

		Lenses for IP modular cameras
		Varifocal lenses for D1 and Megapixel cameras Lens mount ring: CS-mounting DC powered Compatible with infrared lighting
1	4 305 84	**1/2.7" 3.3 - 12 mm lens** Adjustable between 3.3 and 12 mm
1	4 305 85	**1/2" 10 - 40 mm lens** Adjustable between 5 and 50 mm

CCTV IP Network Video Recorders



4 306 73



4 306 20

Pack	Cat.Nos	Network Video Recorders
		Pentaplex: simultaneous live, record, playback, extraction and remote access Front, mouse or remotely operated Video compression format: H264 Recordings viewable on Smartphone or PC Compatible with VMS management software (Cat.No 4 306 21) Automatic search for cameras connected to the network Recording stored on the recorder viewable directly via the web interface Built-in motion detection/video masking/multi-zone video blanking with the option of recording the event on a hard disk and/or triggering the recorder's event output contacts and/or sending an email PC software for automatic detection on the network and for automatic addressing supplied ONVIF compliant (please contact us to get a list of supported references) IR remote control, mouse and power supply included
1	4 306 83	16 channels, 2Tb storage, 200 fps @Full HD 1080p 400 fps @HD 720p and D1
1	4 306 84	32 channels, 4Tb storage, 200fps @Full HD 1080p, 400 fps @HD 720p and 800 fps @D1

Pack	Cat.Nos	PoE Network video recorders
		Integrated PoE switch to connect directly IP PoE cameras Pentaplex: simultaneous live, record, playback, extraction and remote access Front, mouse or remotely operated Video compression format: H264 Cameras plugged on the PoE switch are power supplied Auto IP set up and detection when cameras are plugged on the switch Recordings viewable on Smartphone or PC Compatible with VMS management software (Cat. No 4 306 21) Automatic search for cameras connected to the network ONVIF compliant (please contact us to get a list of supported references) Power supply: 230 VA, power consumption: 120 W Dimensions (W x H x D): 375 x 285 x 45 mm IR remote control, mouse and power supply included
1	4 306 73	1Tb, 4 slots PoE, 100 fps @Full HD 1080p
1	4 306 90	2 Tb, 8 slots PoE, 100 fps @Full HD 1080p

Pack	Cat.Nos	IP decoder 28 channels D1
1	4 306 26	Allows to broadcast locally on up to 4 screens Can decode up to 28 IP cameras or 16 analog cameras connected to High Resolution DVR 4 HDMI outputs

Pack	Cat.Nos	IP encoder 1 channel D1
1	4 306 24	Allows to connect 1 analog camera onto the network, providing the functionalities of IP cameras

Pack	Cat.Nos	4 channels IP encoder D1
1	4 306 25	Allows to connect up to 4 analog cameras onto the network, providing the functionalities of IP cameras

Pack	Cat.Nos	Micro-SD card 4 Go
5	4 306 87	4 Go memory card for IP camera Supplied with SD adaptor

Pack	Cat.Nos	Video surveillance signage
1	4 306 20	CCTV sign for installation at the entrance of the building, to identify the presence of a video surveillance system Mounting: using screws or double sided tape (supplied) Language: English Other languages available on demand

VMS software **p. 641**



CCTV video monitors



4 305 74



4 305 70



4 305 73

Pack	Cat.Nos	Video monitors
1	4 305 74	**7" monitor** Colour monitor Screen size 7" (18 cm) Display 16/9 Resolution: 480 x 234 Video input: 2 x BNC Advanced functions: option for connecting 2 recorders or 2 cameras directly
1	4 305 70	**17" monitor** Colour monitor with TFT active matrix Screen size 17" (43 cm) Display 4/3 Maximum resolution: 1280 x 1024 Brightness: 300 cd/m^2 Video input: BN C / VGA / S Video
1	4 305 71	**19" monitor** Colour monitor with TFT active matrix Screen size 19" (48 cm) Display 4/3 Maximum resolution: 1280 x 1024 Brightness: 300 cd/m^2 Video input: BNC / VGA / S Video

Pack	Cat.Nos	Video monitors (continued)
1	4 305 72	**22" monitor** Colour monitor Screen size 22" (56 cm) Display 16/9 Maximum resolution: 1680 X 1050 Brightness: 300 cd/m^2 Video input: HDMI / BNC / VGA / S Video
1	4 305 73	**32" monitor** Full HD colour monitor Screen size 32" (81 cm) Display 16/9 Maximum resolution: 1920 x 1080 Brightness: 450 cd/m^2 Video input: HDMI / BNC / VGA / S Video
1	4 306 04	**Wall mounting support for monitors** For 17, 19 and 22" monitors Adjustable mounting (horizontally and vertically)

Example of installation: analog cameras

How to connect different types of cameras

Plug-in power supply

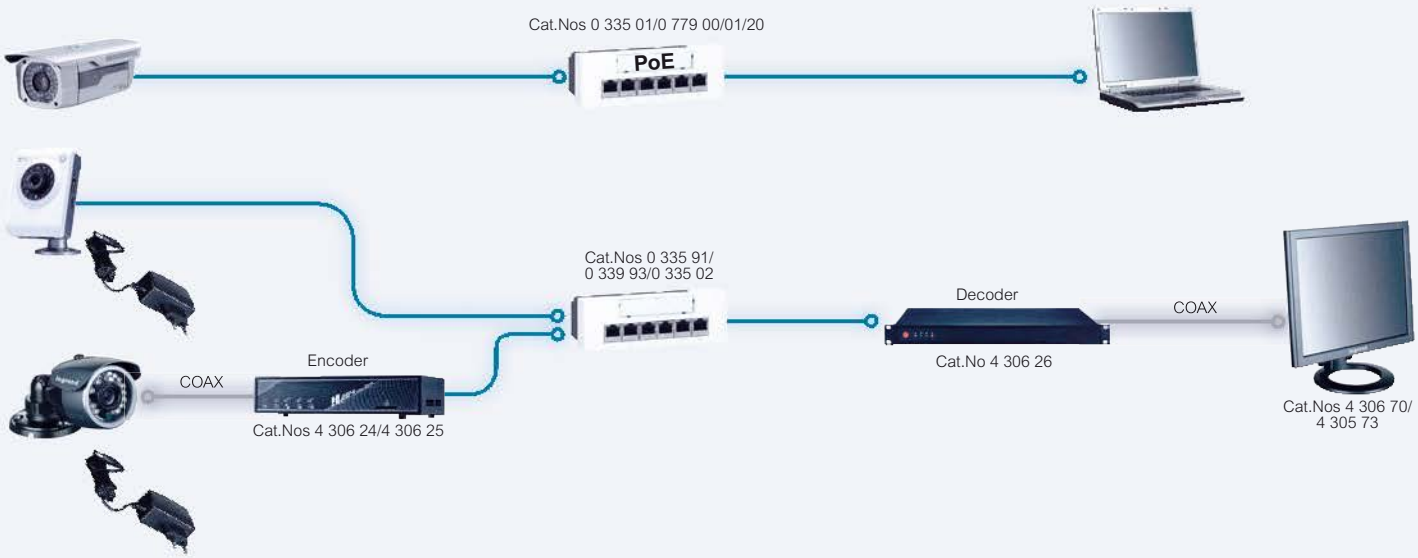


230 V power supply

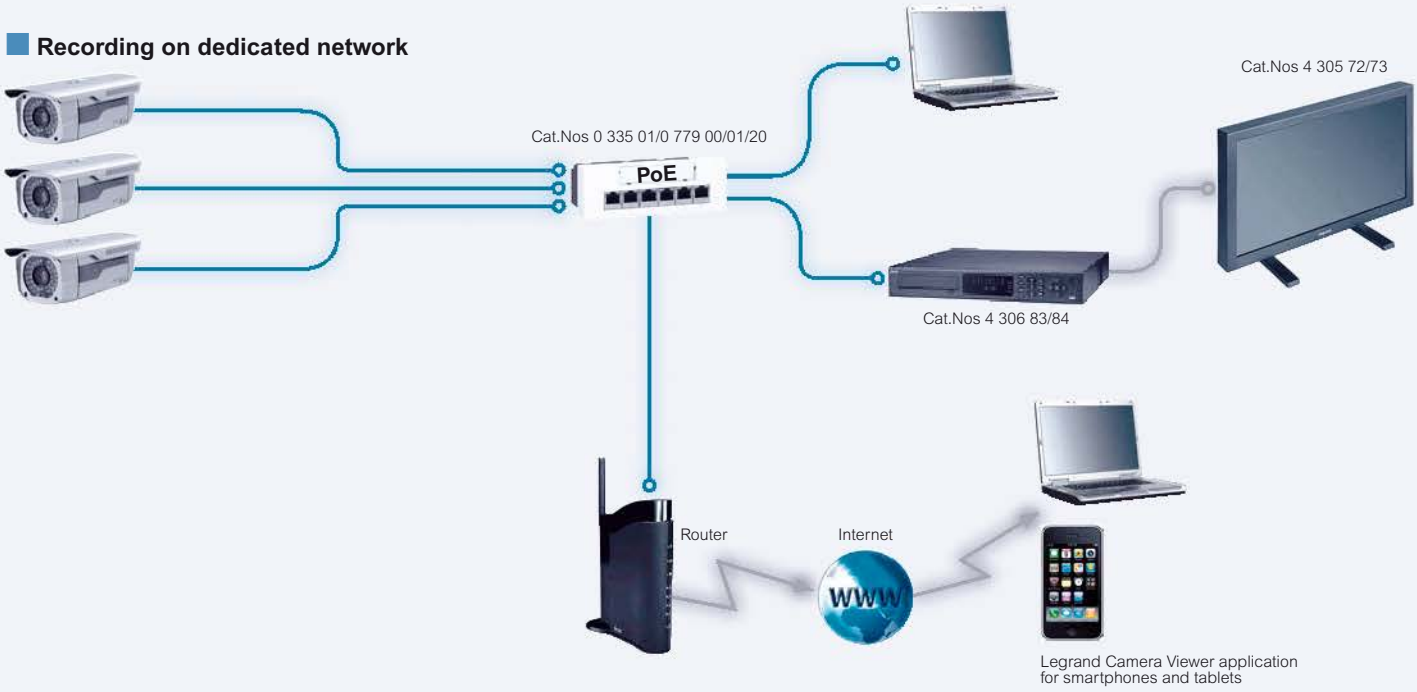
NOTE: ensure that the power supply is suitable for the type of camera. The power supply cables must be of adequate cross-section in relation to the distance and the corresponding voltage drop

Example of installation: IP cameras

Visualization



Recording on dedicated network



Fire detection and alarm panels, automatic sensors, manual call points and visual alarm devices


6 430 23


6 430 72


0 380 69


0 405 96

Pack	Cat.Nos	Fire detection and alarm panels
		Conform to EN54-2, EN54-4, EN 54-13 standards CE CPR approved
1	6 430 21	**2-zone Salvena panel** 2 detection loops 2 sounders or beacons outputs (450 mA) 1 general fire volt free changeover contact (1 A - 24 Vcc) 1 general fault volt free changeover contact (1 A - 24 Vcc) Autonomy: 72 hours standby + 30 minutes alarm Battery not supplied (Cat.No 0 407 49)
1	6 430 23	**8-zone Salvena panel** 8 detection loops 2 sounders or beacons outputs (1.2 A) 1 general fire volt free changeover contact (1 A - 24 Vcc) 1 general fault volt free changeover contact (1 A - 24 Vcc) 4 auxiliary changeover contacts 24 V - 1 A Programming of auxiliary contacts with detection zones 1 continuous or resettable output 24 V - 200 mA Autonomy: 72 hours standby + 30 minutes alarm Battery not supplied (Cat.No 0 407 53)
1	6 430 65	**Repeater panel** Report of information supplied by the panel (fire, fault, out of order, test) on liquid chrystal display Max. 3 repeater panels by central unit
		Automatic sensors for fire detection and alarm panels
1	6 430 72	**Optical smoke sensor** Conform to EN 54-7 standard and CE CPR approved For quick detection of fire starting before flames appear Average detection area: 60 m² Supplied with its standard base
1	6 430 71	**Heat sensor** Conform to EN 54-5 standard and CE CPR approved Detects temperature rise with threshold of 60°C Average detection area: 30 m² Supplied with its standard base
1	6 430 75	**Relay base** For sensors Cat.Nos 6 430 71/72 To act a DVR, a camera or an MCB To send alarm information to a technical panel

Pack	Cat.Nos	Manual call points
		Surface-mounting: 90 x 90 x 57 mm Flush-mounting: 90 x 90 x 27 mm Call by pressing the membrane (pressure 2.5 kg) with clear display of the call position Reset on front of device, with special key (supplied with the product) Free space dedicated to stick a label to identify the function Can receive a sealable cover Cat.No 0 380 97
1	0 380 69	**For fire alarm equipment** Equipped with NO/NC contact - 0.1 A - 48 V⎓ Red - Resettable Conform to EN 54-11 standard and CE-CPR approved
		For emergency exit Equipped with NO/NC contact - 5 A - 24 V⎓ / 1 A - 48 V⎓
1	0 380 23	1 NO/NC contact - Resettable - Green
1	0 380 48	2 NO/NC contacts - Resettable - Green
		For extinguishing system
1	0 380 25	Equipped with NO/NC contact - 6 A - 250 VA / 1 A - 48 V⎓ / 5 A - 24 V⎓ Equipped with a sealable cover (Cat.No 0 380 97) Resettable - Yellow
		For other applications Equipped with NO/NC contact - 6 A - 250 VA / 1 A - 48 V⎓ / 5 A - 24 V⎓ Can be used to stop air conditioning or other technical applications
1	0 380 71	Resettable - White
1	0 380 06	White - Resettable with 2 long life 230 V∿ LED indicators
		Accessories
1	0 380 97	Sealable cover for manual call points Cat.Nos 0 380 06/23/48/69/71
1	0 380 38	Set of 10 special keys to reset and to test

Pack	Cat.Nos	Visual alarm devices
		Conform to EN 54-23 standard and CE CPR approved
1	0 405 96	Mosaic device - 2 modules Delivered with support frame and dedicated plate IP 40 - IK 04 Red flashing light 2 cd synchronizable with a frequency of 1 Hz Voltage range: 10 - 42 V Average consumption: 12 Vcc = 14 mA ; 24 Vcc = 16 mA
1	0 405 98	Surface-mounting IP 45 - IK 07 Red flashing light 2/10 cd synchronizable with a frequency of 1 Hz Voltage range: 9 - 58 V Average consumption (2 cd): 12 Vcc = 14 mA ; 24 Vcc = 16 mA ; 48 Vcc = 18 mA Average consumption (10 cd): 12Vcc = 38 mA ; 24 Vcc = 40 mA ; 48 Vcc = 42 mA

Stand-alone smoke alarm sensor
p. 587



Sounders, sounder beacons, bells, electromagnetic door holder and safety electrical power supplies



0 405 90



0 405 94



0 406 87

Pack	Cat.Nos	Sounders
		Conform to EN 54-3 standard and CE CPR approved
1	0 415 07	IP 41 - IK 04 Mosaic device - 2 modules Sound level: 70 dB at 2 meters - NF S 32-001 sound Voltage range: 10 - 42 V Average consumption: 12 Vcc = 5 mA ; 24 Vcc = 9 mA
1	0 405 80	IP 42 - IK 07 Surface-mounting Sound level: 90 dB at 2 meters - NF S 32-001 sound Voltage range: 10 - 58 V Average consumption: 12 Vcc = 5 mA ; 24 Vcc = 9 mA ; 48 Vcc = 13 mA
1	0 405 90	IP 65 - IK 07 Surface-mounting Sound level: 90 dB at 2 meters - NF S 32-001 sound Voltage range: 10 - 42 V Average consumption: 12 Vcc = 5 mA ; 24 Vcc = 9 mA 2 cable glands supplied
1	0 405 86	IP 21 - IK 07 Flush-mounting in false ceiling Sound level: 90 dB at 2 meters - NF S 32-001 sound Voltage range: 10 - 58 V Average consumption: 12 Vcc = 5 mA ; 24 Vcc = 9 mA ; 48 Vcc = 13 mA
1	0 405 94	IP 54 - IK 07 Surface-mounting Sound level: 105 dB at 2 meters - Possibility to choose the sound, by dip switch: NF S 32-001 or BS 58391 (alert or alarm) or ISO 8201 or DIN 33404-3 or SS031711 or NEN2575 Voltage range: 14 - 58 V Average consumption: 24 Vcc = 140 mA ; 48 Vcc = 80 mA

		Sounder beacons
		Conform to EN 54-3 standard and CE CPR approved Sound level: 90 dB at 2 meters - NF S 32-001 sound Red flash Voltage range: 10 - 58 V Average consumption: 12 Vcc = 23 mA ; 24 Vcc = 22 mA ; 48Vcc = 23 mA
1	0 405 91	IP 65 - IK 07 Surface-mounting 2 cable glands supplied
1	0 405 87	IP 21 - IK 07 Flush mounting in false ceiling

Pack	Cat.Nos	Bells
1	0 414 62	P 44 - IK 10 Sound level: 90 dB at 2 meters Average consumption: 24 Vcc = 70 mA

		Electromagnetic door holder
1	0 406 87	Automatically closes fire doors by current breaking White metal connection box with electromagnetic element and local push button Wall surface-mounting Metal washer hinged for door fixing Operating voltage: 24/48 Vcc Average consumption: 24 V⎓ 23 mA ; 48 V⎓ 45 mA Power: 0.6 W / 24 V ; 2.2 W / 48 V Strength: 200 N (or 20 Kg minimum) Conform to EN 11-55 standard IK 07

		Safety electrical power supplies
1	0 405 09	Conform to EN 54-4, EN 12101-10 CE CPR approved For DC power supply of fire safety installations such as fire doors, smoke removal devices, … Power supply 3 A - 24 V 2 batteries 12 V 7 Ah (Pb) Cat.No 0 407 49 (not supplied)
1	0 407 49	Battery 12 V 7 Ah (Pb) - V0 (UL 94)

Safety boxes


0 380 09


0 380 11


0 380 24


0 380 54

Pack	Cat.Nos	**Break glass emergency boxes**
		Polycarbonate, Class II - IK 07 Equipped with: - hinged glass door with locking option by key - 3 cable entries for CG ISO 16/20 (by top or bottom as reversible product) - 2 entries from back of product Ø20 - 2 side entries for mini-trunking 20 x 12.5 and 32 x 12.5 - 1 NC contact and 1 NO contact Breaking capacity: - 400 VA / 4.5 A - 230 VA / 6 A - 48 V= / 1 A - 24 V= / 1.5 A Flush-mounting option with boxes Ø85 Dim.: 125 x 125 x 71 mm (surface-mounting) IP 44 - 125 x 125 x 33 mm (flush-mounting) IP 30 Red boxes can be used for fire applications and manipulated by fire fighters Yellow boxes can be used for emergency applications and manipulated by employees
		Mushroom head button boxes Direct actuation by smashing glass plate Equipment: - 1 mushroom head button with latching, unlocking by key No 850 - 2 long life 230 V± LED indicators (green/red)
1	0 380 09	Red box with LED
1	0 380 00	Yellow box with LED
1	0 380 02	Yellow box without LED
1	0 380 03	Red box without LED
		2-position boxes Equipment: - 1 mushroom head button for pressing - 1 finishing accessory for simple action release (glass break) or double action (glass break followed by pressing on mushroom head) - 2 long life 230 V± LED indicators (green/red)
1	0 380 11	Red box without LED
1	0 380 01	Yellow box without LED
1	0 380 24	Red box with LED



UPS, LCS², CABLE MANAGEMENT SYSTEMS, EQUIPMENT & ACCESSORIES

UPS systems (uninterruptible power supplies)



NEW
P. 654
Daker, conventional UPS

LCS² structured cabling



P. 668
Cat.6A and 6 patch panels, cables, cords and RJ 45 sockets



P. 688
Fibre optic connectors, pigtails, area distribution boxes



P. 708
Linkeo 19'' freestanding and wall-mounting cabinets

DLP cable management



P. 732
DLPlus mini-trunking



P. 747
DLP snap-on trunking

Workstation systems



P. 767
Aluminium snap-on columns & mini-columns



P. 776
Heavy duty floor boxes

NEW PRODUCTS 2014



Keor multiplug
stand-by UPS
(p. 659)



FTTO - Full IP
digital infrastructure for all types of installation
(p. 687)



NEW
P. 657
Niky, line interactive UPS



NEW
P. 658
Niky S, line interactive UPS



NEW
P. 659
Keor multiplug stand-by UPS



P. 676
Cat.6A, 6 and 5e area distribution boxes and cords



P. 679
Cat.5e patch panels, cables, cords and RJ 45 sockets



P. 684
Fibre optic cables and drawers



NEW
P. 687
FTTO - Full IP



P. 692
Wi-Fi access points, switches and PoE injectors



P. 694
Audio/video system



P. 698
19" freestanding and wall-mounting cabinets



P. 706
Power Distribution Units



P. 711
19" Bati-rack and 19" Altis™ freestanding cabinets



P. 736
DLP LED system mini-trunking, plinth & covers



P. 737
Flush-mounting LED lighting modules



P. 740
Distribution mini-trunking



P. 745
DLP black edition snap-on trunking



P. 750
Grey colour DLP snap-on trunking



P. 754
Universal DLP trunking



P. 762
Adaptable aluminium DLP trunking



NEW
P. 766
Snap-on aluminium DLP trunking



P. 768
Universal columns, mini-columns & lighting modules



P. 771
Over floor trunking



P. 772
Floor boxes for carpet



P. 775
Floor boxes for tile & marble



P. 777
Pop-up type flush-mounting boxes



P. 779
Power & data desk grommets



P. 780
Desktop & meeting room multi-outlet extensions



DLP LED system
mini-trunking, plinths & covers
(p. 736)



Snap-on aluminium DLP trunking
(p. 766)

Daker Dk

Conventional UPS - On-line double conversion VFI



3 100 50



3 100 54



3 107 71



3 109 53

The main parameters of the UPS, including the battery charge level and faults, are displayed on the LCD screen on the front panel
The integrated communication software not only controls the UPS and its switch-off if there is a malfunction, and enables the user to test the main functions remotely, communicate via SNMP/Internet/network adaptor and access the functions of the UPS via the Internet, but can also send the user an SMS if specific events occur
The internal extension connector enables a WEB/SNMP card or a relay interface to be installed which provides insulated contacts for applications on industrial control panels or remote alarm panels
If there is an electronic fault, overload, overheating or for scheduled maintenance operations, the automatic or manual (optional) bypass ensures continuity of the power supply for critical loads
A bypass switch is available for maintenance

Convertible UPS with batteries

Single phase

Pack	Cat.Nos	Nominal power (VA)	Active power (W)	Backup time (min)	Weight (kg)
1	3 100 50	1000	800	10	16
1	3 100 51	2000	1600	10	29.5
1	3 100 52	3000	2400	8	30
1	3 100 53	4500	4050	6	60
1	3 100 54	6000	5400	4	60

Convertible UPS without batteries

Single phase

Pack	Cat.Nos	Nominal power (VA)	Active power (W)	Weight (kg)
1	3 100 56	4500	4050	25
1	3 100 57	6000	5400	25
1	3 100 58	10000	9000	26

Three phase

Pack	Cat.Nos	Nominal power (VA)	Active power (W)	Weight (kg)
1	3 100 59	10000	9000	26

Battery cabinet (with batteries)

Pack	Cat.Nos	
1	3 107 69	Battery cabinet for 3 100 50 (12 x 12 V, 7.2 Ah batteries)
1	3 107 70	Battery cabinet for 3 100 51 (12 x 12 V, 7.2 Ah batteries)
1	3 107 71	Battery cabinet for 3 100 52 (12 x 12 V, 9 Ah batteries)
1	3 107 72	Battery cabinet for 3 100 56 and 3 100 57 (20 x 12 V, 7.2 Ah batteries)
1	3 107 66	Battery cabinet for 3 100 58 (20 x 12 V, 9 Ah batteries)

Battery cabinet (empty)

Pack	Cat.Nos	
1	3 107 50	Battery cabinet for 3 100 50 (for 12 x 12 V, 7.2 Ah batteries)
1	3 107 51	Battery cabinet for 3 100 51 (for 12 x 12 V, 7.2 Ah batteries)
1	3 107 52	Battery cabinet for 3 100 52 (for 12 x 12 V, 9 Ah batteries)
1	3 107 53	Battery cabinet for 3 100 56 and 3 100 57 (for 20 x 12 V, 7.2 Ah batteries)
1	3 107 54	Battery cabinet for 3 100 58 (for 20 x 12 V, 9 Ah batteries)

Miscellaneous accessories

Pack	Cat.Nos	
1	3 109 50	Additional 200 W charger (for Daker DK 1000-2000-3000)
1	3 109 54	Additional 1000 W charger (for Daker DK 4500-6000-10000)
1	3 109 52	Rack support bracket kit
1	3 109 53	External manual bypass (for Daker DK 1000-2000-3000)
1	3 109 69	Volt-free contact card

NOTE: The backup times, expressed in minutes, are measured under optimum operating conditions

Daker Dk

Conventional UPS - On-line double conversion VFI

Cat.Nos	3 100 50	3 100 51	3 100 52	3 100 53	3 100 56	3 100 54	3 100 57	3 100 58	3 100 59
GENERAL CHARACTERISTICS									
Nominal power (VA)	1000	2000	3000	4500		6000		10000	
Active power (W)	800	1600	2400	4050		5400		9000	
Technology	On-line double conversion VFI-SS-111								
Waveform	Sinusoidal								
Architecture	Convertible tower and 19" rack								
INPUT CHARACTERISTICS									
Input voltage	230 V 1P+N								380 V 3P+N
Input frequency	50-60 Hz ± 5% autosensing								
Input voltage range	160 V - 288 V full load								277 V - 485 V
THD of input current	‹ 3%								
Input power factor	› 0.99								
Compatibility with gensets	Configurable for synchronism between the input and output frequencies, even for the highest frequency ranges, ± 14%								
OUTPUT CHARACTERISTICS									
Output voltage	230 V ± 1%								
Output frequency (nominal)	50/60 Hz (configurable via LCD panel) +/- 0.1%								
Peak factor	1:3								
THD of output voltage	‹ 3% with linear load								
Output voltage tolerance	± 1%								
Bypass	Automatic bypass and optional external manual bypass			Automatic bypass					
BATTERIES									
Backup time extension	Yes								
Number of batteries	3	6	6	20	-	20	-	-	-
Battery range type/voltage	12 V 7.2 Ah	12 V 7.2 Ah	12 V 9 Ah	12 V 5 Ah	-	12 V 5 Ah	-	-	-
Backup time (min)	10	10	8	6	-	4	-	-	-
COMMUNICATION AND MANAGEMENT									
Screen and signalling	Four buttons and four LEDs for real-time control of the status and the main parameters of the UPS								
Communication ports	RS232 and USB serial ports								
Remote control	Available								
Connector for network interface	SNMP								
MECHANICAL CHARACTERISTICS									
Dimensions (H x W x D) (mm)	440 x 88 (2U) x 405	440 x 88 (2U) x 650	440 x 88 (2U) x 650	440 x 176 (4U) x 680	440 x 88 (2U) x 680	440 x 176 (4U) x 680	440 x 88 (2U) x 680	440 x 132 (3U) x 680	440 x 132 (3U) x 680
Dimensions of battery cabinet H x W x D (mm)	440 x 176 (4U) x 405	440 x 88 (2U) x 650	440 x 88 (2U) x 650	-	440 x 132 (3U) x 680	-	440 x 132 (3U) x 680	440 x 132 (3U) x 680	440 x 132 (3U) x 680
Net weight (kg)	16	29.5	30	52	25*	52	25*	26*	26*
AMBIENT CONDITIONS									
Operating temperature (°C)	0 ÷ 40°C								
Protection index	IP 21								
Relative humidity (%)	20 to 80%								
Noise at 1 m (dBA)	‹ 50								
Heat dissipation (BTU/h)	490	654	818	982		1310		1636	
CERTIFICATIONS									
Reference product standards	EN 62040-1, EN 62040-2, EN 62040-3								

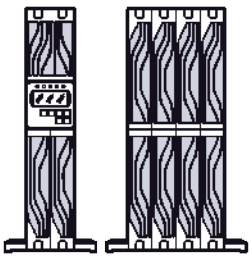
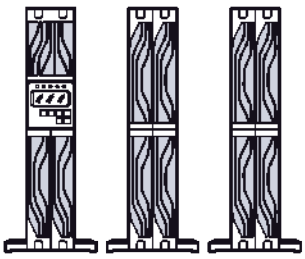
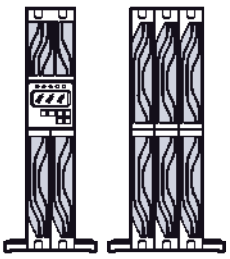
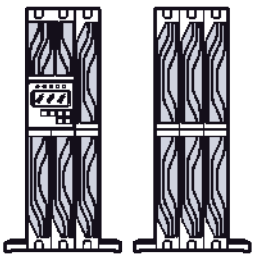
* Weight without batteries
NOTE: The backup times, expressed in minutes, are measured under optimum operating conditions

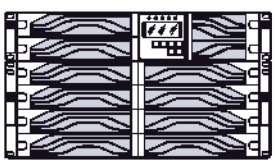
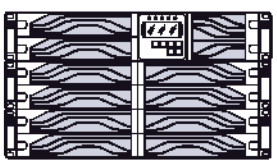
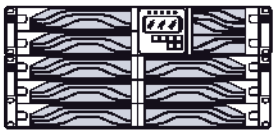
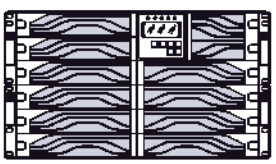
Daker Dk

Long backup time table

MODEL	POWER	BACKUP TIME	DIMENSIONS AND NUMBER OF CABINETS H x W x D (mm)	Cat.Nos	
				Single phase	Three phase
DAKER DK	1000 VA	10'	440 x 88 x 405	3 100 50	-
		1h22'	440 x 88 x 405 + 440 x176 x 405	3 100 50 + 3 107 69	-
		2h44'	440 x 88 x 405 + 440x176 x 405 (x2)	3 100 50 + 3 107 69 (x2)	-
		4h22'	440 x 88 x 405 + 440 x176 x 405 (x3)	3 100 50 + 3 107 69 (x3)	-
		5h52'	440 x 88 x 405 + 440 x 176 x 405 (x4)	3 100 50 + 3 107 69 (x4)	-
	2000 VA	10'	440 x 88 x 650	3 100 51	-
		39'	440 x 88 x 650 (x2)	3 100 51 + 3 107 70	-
		1h22'	440 x 88 x 650 (x3)	3 100 51 + 3 107 70 (x2)	-
		1h57'	440 x 88 x 650 (x4)	3 100 51 + 3 107 70 (x3)	-
		2h44'	440 x 88 x 650 (x5)	3 100 51 + 3 107 70 (x4)	-
	3000 VA	8'	440 x 88 x 650	3 100 52	-
		34'	440 x 88 x 650 (x2)	3 100 52 + 3 107 71	-
		1h6'	440 x 88 x 650 (x3)	3 100 52 + 3 107 71 (x2)	-
		1h33'	440 x 88 x 650 (x4)	3 100 52 + 3 107 71 (x3)	-
		2h3'	440 x 88 x 650 (x5)	3 100 52 + 3 107 71 (x4)	-
	4500 VA	10'	440 x 88 x 650 + 440 x 132 x 680	3 100 56 + 3 107 72	-
		31'	440 x 88 x 650 + 440 x 132 x 680 (x2)	3 100 56 + 3 107 72 (x2)	-
		56'	440 x 88 x 650 + 440 x 132 x 680 (x3)	3 100 56 + 3 107 72 (x3)	-
		1h30'	440 x 88 x 650 + 440 x 132 x 680 (x4)	3 100 56 + 3 107 72 (x4)	-
	6000 VA	10'	440 x 88 x 650 + 440 x 132 x 680	3 100 57 + 3 107 72	-
		29'	440 x 88 x 650 + 440 x 132 x 680 (x2)	3 100 57 + 3 107 72 (x2)	-
		49'	440 x 88 x 650 + 440 x 132 x 680 (x3)	3 100 57 + 3 107 72 (x3)	-
		1h11'	440 x 88 x 650 + 440x132x680 (x4)	3 100 57 + 3 107 72 (x4)	-
	10000 VA	7'	440 x 132 x 650 + 440 x 132 x 680	3 100 58 + 3 107 66	3 100 59 + 3 107 66
		18'	440 x132x650 + 440 x 132 x 680 (x2)	3 100 58 + 3 107 66 (x2)	3 100 59 + 3 107 66 (x2)
		29'	440 x132x650 + 440 x 132 x 680 (x3)	3 100 58 + 3 107 66 (x3)	3 100 59 + 3 107 66 (x3)
		42'	440 x 132 x 650 + 440 x 132 x 680 (x4)	3 100 58 + 3 107 66 (x4)	3 100 59 + 3 107 66 (x4)
		56'	440 x 132 x 650 + 440 x 132 x 680 (x5)	3 100 58 + 3 107 66 (x5)	3 100 59 + 3 107 66 (x5)

NOTE: The backup times, expressed in minutes, are measured under optimum operating conditions

	1000 VA 2 CABINETS W 2U + 4U	3000 VA 3 CABINETS W 2U +2 U + 2U	6000 VA 2 CABINETS W 2U + 3U	10000 VA 2 CABINETS W 3U + 3U
Tower version				

	1000 VA 2 CABINETS H 6U (264 MM)	4500 VA 3 CABINETS H 6U (264 MM)	6000 VA 2 CABINETS 5U (320 MM)	10000 VA 2 CABINETS H 6U (264 MM)
RACK version				

Niky

Line Interactive UPS - Single phase VI



3 100 00



3 100 13

Pack	Cat.Nos	Nominal power (VA)	Active power (W)	Backup time (min)	No. of German standard sockets	Communic. ports
UPS with German and Italian standard output sockets						
1	3 100 00	600	300	3 to 30	1	USB
1	3 100 01	800	400	3 to 30	1	USB
UPS with German and Italian standard output sockets + IEC socket						
1	3 100 09	600	300	5 to 30	1	USB
1	3 100 10	800	400	5 to 30	1	USB
1	3 100 13	1000	600	5 to 30	2	RS232
1	3 100 14	1500	900	5 to 30	2	RS232
UPS with IEC multi-socket outlets						
1	3 100 02	600	300	5 to 30	3	USB
1	3 100 03	800	400	5 to 30	3	USB
1	3 100 04	1000	600	5 to 30	6	USB
1	3 100 05	1500	900	5 to 30	6	USB

NOTE: The backup times, expressed in minutes, are measured under optimum operating conditions

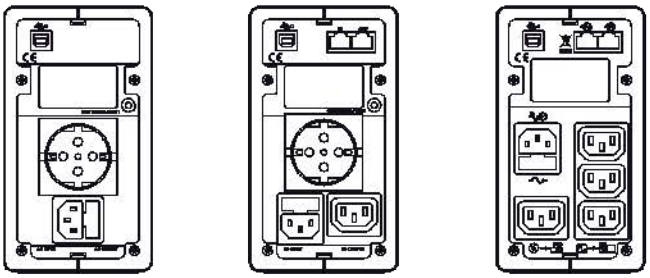
Niky

Line Interactive UPS - Single phase VI

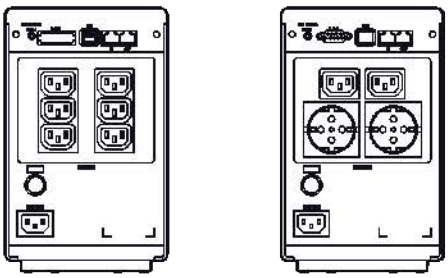
Cat.Nos	3 100 00[1] 3 100 02 3 100 09	3 100 01[2] 3 100 03 3 100 10	3 100 04 3 100 13	3 100 05 3 100 14
GENERAL CHARACTERISTICS				
Nominal power (VA)	600	800	1000	1500
Active power (W)	300	400	600	900
Technology	Line interactive VI			
Waveform	Pseudo-sinusoidal			
INPUT CHARACTERISTICS				
Input voltage	230 V			
Input frequency	50-60 Hz			
Input voltage range	160 V-290 V			
OUTPUT CHARACTERISTICS				
Output voltage	230 V ± 10%			
Output frequency (nominal)	50/60 Hz +/-1%			
THD of output voltage	‹ 3% with linear load			
BATTERIES				
Number of batteries	1	1	2	2
Battery range type/ voltage	12 V, 7 Ah	12 V, 9 Ah	12 V, 7 Ah	12 V, 9 Ah
COMMUNICATION AND MANAGEMENT				
Screen and signalling	One button and 2 LEDs for real-time control		One button and 4 LEDs for real-time control	
Telephone protection	RJ 11/RJ 45			
Remote control	Available			
MECHANICAL CHARACTERISTICS				
Dimensions H x W x D (MM)	171 x 95 x 349		239 x 147 x 354	
Net weight (kg)	7	7.5	13	16
AMBIENT CONDITIONS				
Ambient operating temperature (°C)	0 to 40°C			
Relative humidity (%)	0 to 95%			
Noise at 1 m (dBA)	‹ 40			
CERTIFICATIONS				
Reference product standards	EN 62040-1, EN 62040-2, EN 62040-3			

1: Battery range type/voltage: 12 V, 5 Ah
2: Battery range type/voltage: 12 V, 7 Ah

600-800 VA



1000-1500 VA



Niky S

Line Interactive UPS - Single phase VI-SS



3 100 06

Pack	Cat.Nos	UPS				
		Nominal power (VA)	Active power (W)	Backup time (min)	No. of sockets IEC	Communic. ports
1	3 100 06	1000	600	9	6	USB-RS 232
1	3 100 20	1500	900	8	6	USB-RS 232
1	3 100 07	2000	1200	9	6	USB-RS 232
1	3 100 08	3000	1800	8	6	USB-RS 232

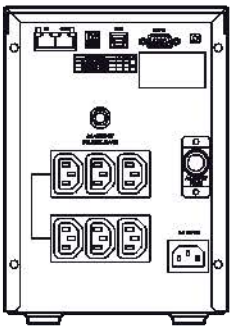
NOTE: The backup times, expressed in minutes, are measured under optimum operating conditions

Niky S

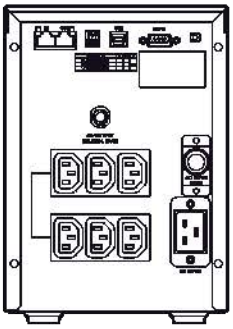
Line Interactive UPS - Single phase VI-SS

Cat.Nos	3 100 06	3 100 20	3 100 07	3 100 08
GENERAL CHARACTERISTICS				
Nominal power (VA)	1000	1500	2000	3000
Active power (W)	600	900	1200	1800
Technology	Line interactive VI-SS			
Waveform	Sinusoidal			
INPUT CHARACTERISTICS				
Input voltage	230 V ± 12% via mains ± 5% via battery			
Input frequency	50-60 Hz			
Input voltage range	160 V-290 V			
OUTPUT CHARACTERISTICS				
Output voltage	230 V ± 10%			
Output frequency (nominal)	50/60 Hz +/- 0.2%			
THD of output voltage	‹ 3% with linear load			
BATTERIES				
Number of batteries	2	2	4	4
Battery range type/ voltage	12 V, 7 Ah	12 V, 9 Ah	12 V, 7 Ah	12 V, 9 Ah
COMMUNICATION AND MANAGEMENT				
Screen and signalling	Three buttons and three LEDs for real-time control of the status of the UPS			
Telephone protection	RJ 11/RJ 45			
Remote control	Available			
MECHANICAL CHARACTERISTICS				
Dimensions H x W x D (mm)	247 x 173 x 369		247 x 173 x 465	
Net weight (kg)	13	15	22	24
AMBIENT CONDITIONS				
Ambient operating temperature (°C)	0 to 40°C			
Relative humidity (%)	0 to 95% non-condensing			
Noise at 1 m (dBA)	‹ 40			
CERTIFICATIONS				
Reference product standards	EN 62040-1, EN 62040-2, EN 62040-3			

1000-1500-2000 VA



3000 VA



Keor multiplug

Stand by UPS 600 and 800 VA



3 100 38

Pack	Cat.Nos	UPS	Nominal power (VA)	Active power (W)	Backup time (min)	No. of sockets IEC	Communic. ports
		Stand by UPS German and Italian standard output sockets 6 UPS protected sockets 2 spike protected sockets RJ 45/RJ 11 telephone protection					
1	3 100 38		600	360	10 to 15	6 + 2	USB
1	3 100 39		800	480	10 to 15	6 + 2	USB

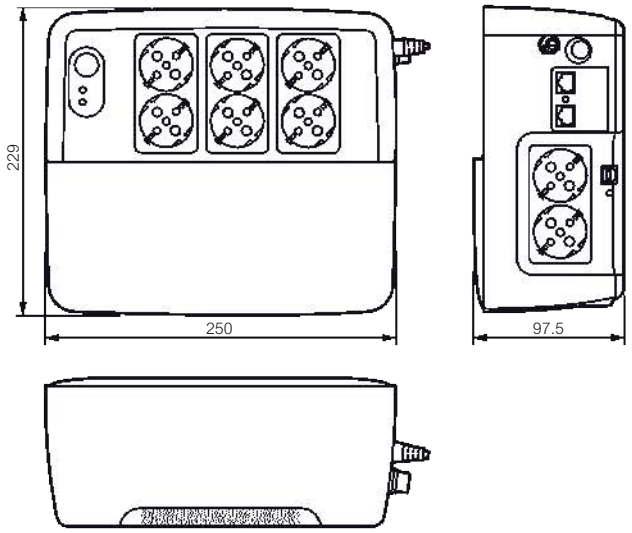
NOTE: The backup times, expressed in minutes, are measured under optimum operating conditions

Keor multiplug

Stand by UPS 600 and 800 VA

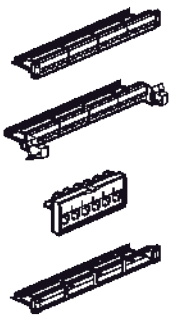
Cat.Nos		3 100 38	3 100 39
GENERAL CHARACTERISTICS			
Nominal power (VA)		600	800
Active power (W)		360	480
Technology		Stand by	
Waveform		Sine, step wave (43%-80% duty) or generator input	
INPUT CHARACTERISTICS			
Nominal voltage		230 V	
Line low detect		180 V ± 5%	
Line low come back		190 V ± 5%	
Line high detect		270 V ± 5%	
Line high come detect		260 V ± 5%	
Nominal frequency		50 Hz	
OUTPUT CHARACTERISTICS			
Battery mode voltage		230 V ± 10%	
Battery mode frequency (nominal)		50/60 Hz ± 1 Hz	
Pure XII capacitance load		1.2 µF	
Battery mode peak voltage		230 V < Vp < 400 V	
Transfer time		2 to 6 ms typical	
BATTERIES			
Battery range type/voltage		12 V, 7 Ah	12 V, 9 Ah
Recharge time		8 hours max. (to 90% capacity)	
COMMUNICATION AND MANAGEMENT			
USB		YES	
Telephone protection		RJ 11/RJ 45	
MECHANICAL CHARACTERISTICS			
Dimensions H x W x D (mm)		229 x 250 x 97.5	
Net weight (kg)		4	4
AMBIENT CONDITIONS			
Ambient operating temperature (°C)		0 to 40°C	
Relative humidity (%)		0 to 90% RH	
Noise at 1 m (dBA)	Line mode	< 40	
	Battery mode	< 45	
CERTIFICATIONS			
Reference product standards		EN 62040-1, EN 62040-2, EN 62040-3	

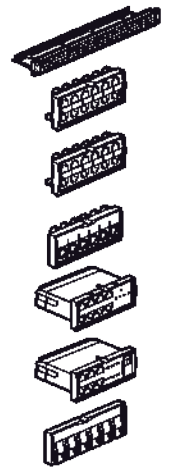
600-800 VA

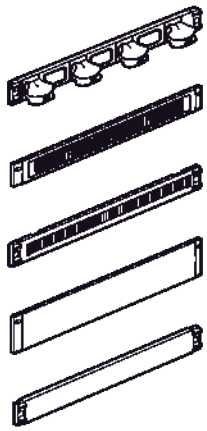


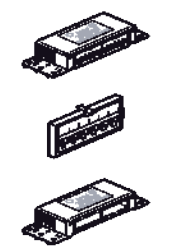
Selection chart for equipment and cabinets

configure your LCS² system

LCS² PANELS AND CONNECTOR UNITS (p. 668, 672, 679)			LCS² cat. 6$_A$	LCS² cat. 6	LCS² cat.5e
	Patch panels 1U Fitted with 24 connectors	STP	Quick-fixing 0 335 73	Quick-fixing 0 335 63	-
		FTP	-	Quick-fixing 0 335 62	Quick-fixing 0 335 52
	High density patch panels	STP	Quick-fixing 0 335 86	-	-
		FTP	-	Quick-fixing 0 335 68	-
		UTP	-	Quick-fixing 0 335 67	-
	Units of 6 x RJ 45 connectors	STP	0 335 76	0 335 66	-
		FTP	-	0 335 65	0 335 55
	Blanking plate		0 335 91	0 335 91	0 335 91
	Patch panel 1 U To be fitted with 4 units		Quick-fixing 0 335 90	Quick-fixing 0 335 90	0 335 90

ADDITIONAL LCS² PANELS AND UNITS (p. 681 to 683)			LCS²
	Telephone panels 1 U Fitted with 4 units of 12 ports	3-6/4-5 contacts (digital)	Quick-fixing 0 335 31
		4-5/7-8 contacts (analogue)	0 335 30
	Telephone units Fitted with 12 ports	3-6/4-5 contacts (digital)	0 335 33
		4-5/7-8 contacts (analogue)	0 335 32
	Doubler units	Ethernet/Ethernet FTP	0 335 39
		Telephone/Ethernet FTP	0 335 37
		Telephone/telephone	0 335 35
	Video streaming unit	6 x "F" connectors	0 335 34
	Switch units	7 x RJ 45 ports	0 335 02
		6 x RJ 45 ports + 1 LC type optic port	0 335 05
	Power over Ethernet (PoE) injector	4 ports	0 335 01
	Controlled access units		0 334 71/72/73/74/75

LCS² 19" FEEDTHROUGH PANELS AND BLANKING PLATES (p. 702)			
	Metal, 2 axes	1 U	Quick-fixing 0 465 22
		2 U	0 465 23
	Plastic with brushes, snap on	1 U	0 465 28
		2 U	0 465 29
	Metal with brushes	1 U	Quick-fixing 0 465 30
		2 U	0 465 31
	Plastic blanking plate, snap on	1 U	0 465 32
		2 U	0 465 33
	Metal blanking plate	1 U	Quick-fixing 0 465 38
		2 U	0 465 39
		3 U	0 465 40

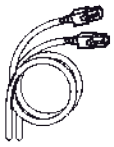
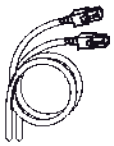
LCS² ZONE DISTRIBUTION BOXES (p. 668, 672, 676, 679)			LCS² cat. 6$_A$	LCS² cat. 6	LCS² cat.5e
	Zone distribution box Equipped with 12 x RJ 45 connectors	STP	0 335 49	0 335 46	-
		FTP	-	0 335 45	-
		UTP	-	0 335 44	-
	Units of 6 x RJ 45 connectors	STP	-	0 335 66	-
		FTP	-	0 335 65	0 335 55
		UTP	0 335 77	0 335 64	0 335 54
	Fibre optic accessory		-	0 335 20	0 335 20
	Zone distribution box - To be fitted with 4 units		-	0 335 40	0 335 40

Cords specifically for zone distribution boxes
p. 676-677



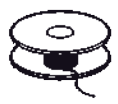
Selection chart for equipment and cabinets

configure your LCS² system (continued)

RJ 45 PATCH CORDS AND USER CORDS (p. 669, 673, 679)						LCS² cat. 6$_A$	LCS² cat. 6	LCS² cat. 5e
	PVC	S/FTP	Impedance 100 ohms	1 m		0 517 80	0 517 52	-
				2 m		0 517 81	0 517 53	-
				3 m		0 517 82	0 517 54	-
				5 m		0 517 83	0 517 55	-
		F/UTP	Impedance 100 ohms	1 m		-	0 517 62	0 516 40
				2 m		-	0 517 63	0 516 41
				3 m		-	0 517 64	0 516 42
				5 m		-	0 517 65	0 516 43
		U/UTP	Impedance 100 ohms	1 m		0 518 82	0 517 72	-
				2 m		0 518 83	0 517 73	-
				3 m		0 518 84	0 517 74	-
				5 m		0 518 85	0 517 75	-
	LSOH	S/FTP	Impedance 100 ohms	1 m	RAL 3020	0 518 70	-	-
					RAL 6026	0 518 66	-	-
				2 m	RAL 3020	0 518 71	-	-
					RAL 6026	0 518 67	-	-
				3 m	RAL 3020	0 518 72	-	-
					RAL 6026	0 518 68	-	-
				5 m	RAL 3020	0 518 73	-	-
					RAL 6026	0 518 69	-	-
		F/UTP	Impedance 100 ohms	1 m	RAL 3020	-	0 518 54	-
					RAL 6026	-	0 518 50	-
				2 m	RAL 3020	-	0 518 55	-
					RAL 6026	-	0 518 51	-
				3 m	RAL 3020	-	0 518 56	-
					RAL 6026	-	0 518 52	-
				5 m	RAL 3020	-	0 518 57	-
					RAL 6026	-	0 518 53	-
		U/UTP	Impedance 100 ohms	1 m	RAL 3020	0 518 78	0 518 62	-
					RAL 6026	0 518 74	0 518 58	-
				2 m	RAL 3020	0 518 79	0 518 63	-
					RAL 6026	0 518 75	0 518 59	-
				3 m	RAL 3020	0 518 80	0 518 64	-
					RAL 6026	0 518 76	0 518 60	-
				5 m	RAL 3020	0 518 81	0 518 65	-
					RAL 6026	0 518 77	0 518 61	-

COPPER CABLES (305 OR 500 M REELS) (p. 669, 673, 679)						
	S/FTP	4 pairs	500 m	0 327 77	-	-
	SF/UTP	4 pairs	500 m	-	0 327 57	-
		2 x 4 pairs	500 m	-	0 328 59	-
	F/UTP	4 pairs	305 m	-	0 328 56	0 327 52
			500 m	0 327 78	0 327 56	0 328 50
		2 x 4 pairs	500 m	0 328 78	0 327 76	0 327 74
	U/UTP	4 pairs	305 m	-	0 327 54	0 327 50
			500 m	0 327 87	0 328 61	0 328 53
		2 x 4 pairs	500 m	-	0 328 63	0 327 73

FIBRE OPTIC PATCH CORDS (p. 691)			OS1/OS2 (UPC) singlemode 9/125 µm	OM4 multimode 50/125 µm	OM3 multimode 50/125 µm
	SC/SC duplex cords	1 m	0 326 00	0 326 30	0 326 09
		2 m	0 326 01	0 326 31	0 326 10
		3 m	0 326 02	0 326 32	0 326 11
	SC/LC duplex cords	1 m	0 326 03	-	0 326 12
		2 m	0 326 04	-	0 326 13
		3 m	0 326 05	-	0 326 14
	LC/LC duplex cords	0.5 m	0 326 28	0 326 33	-
		1 m	0 326 06	0 326 34	0 326 15
		2 m	0 326 07	0 326 35	0 326 16
		3 m	0 326 08	0 326 36	0 326 17
		5 m	0 326 29	0 326 37	-

OPTICAL CABLES (REEL) (p. 684)						
	Indoor/Outdoor	6 fibres		0 325 12	0 326 65/66	0 325 10
		12 fibres	Loose tube	0 325 14	-	-
			Tight buffer	0 325 50	0 326 67	0 325 11
		24 fibres	Loose tube	0 325 51	-	0 325 53
			Tight buffer	-	0 326 68	0 325 52
	Outdoor, reinforced steel, anti-rodent	6 fibres		0 325 13	-	-
		12 fibres		0 325 15	-	-

Selection chart for equipment and cabinets

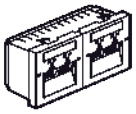
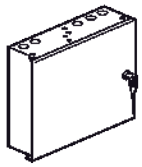
configure your LCS² system (continued)

PLAIN MOSAIC RJ 45 SOCKETS (p. 670, 674, 677, 680)				LCS² cat. 6$_A$	LCS² cat. 6	LCS² cat.5e
	1 module	STP		0 765 73	0 765 63	-
		FTP		-	0 765 62	-
		UTP		0 765 71	0 765 61	0 765 51
	2 modules	STP		0 765 76	0 765 66	-
		FTP		-	0 765 65	-
		UTP		0 765 74	0 765 64	0 765 54
	2 x 45° modules	STP		0 765 08	0 765 07	-
		FTP		-	0 765 05	-
		UTP		0 765 09	0 765 03	0 765 01
	90° sockets	STP		-	0 765 93	-
		FTP		-	0 765 92	-
		UTP		-	0 765 91	-
	Antimicrobial	STP		0 765 84	0 765 83	-
		FTP		-	0 765 82	-
		UTP		-	0 765 81	-
	With controlled access	STP		0 765 99	0 765 96	-
		FTP		-	0 765 95	-
		UTP		0 765 90	0 765 94	0 765 97
	Green shutter	STP		0 765 24	-	-
		FTP		-	0 765 22	-
	Orange shutter	STP		0 765 25	-	-
		FTP		-	0 765 23	-
	2 x RJ 45 sockets	FTP		-	0 765 46	-
		UTP		-	0 765 44	0 765 41
	Copper feedthroughs	STP		0 786 28	-	-
		FTP		-	0 786 23	-
		UTP		-	0 786 22	0 786 20
	Doubler sockets	Ethernet/Ethernet	FTP	0 765 39	0 765 39	-
			UTP	0 765 38	0 765 38	0 765 38
		Telephone/Ethernet	FTP	0 765 37	0 765 37	-
			UTP	0 765 36	0 765 36	0 765 36
		Telephone/telephone		0 765 35	0 765 35	0 765 35
WI-FI ACCESS POINTS (p. 692-693)						
	Wall-mounted manageable Wi-Fi access points	With RJ 45 socket, dual-band and dual-radio		0 779 14	0 779 14	0 779 14
		Dual-band and dual-radio		0 779 13	0 779 13	0 779 13
	Manageable Wi-Fi access point (false ceiling)			0 335 21	0 335 21	0 335 21
	Manageable Wi-Fi access point (surface-mounted)			0 335 22	0 335 22	0 335 22
	Centralised configuration software			0 335 24	0 335 24	0 335 24
	PoE injector	4 inputs/4 outputs		0 335 01	0 335 01	0 335 01
		1 input/1 output		0 327 37	0 327 37	0 327 37

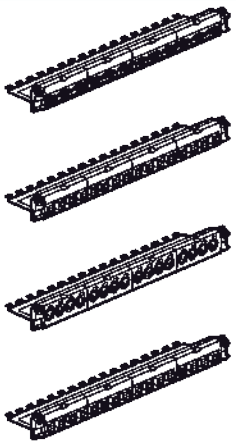
FIBRE OPTIC EQUIPMENT (p. 685)			Monomode	Multimode
	LC units	For 6 fibres	0 335 13	0 335 18
		High density - For 12 fibres	-	0 335 19
	SC units	For 6 fibres	0 335 12	0 335 17
	ST unit	For 6 fibres	-	0 335 16
	Copper/fibre optic converters	10/100 base T to 10/100 base SX	-	0 335 06
		1000 base T to 1000 base SX/LX	-	0 335 07
	Switch units	6 x RJ 45 ports + 1 LC type optic port	0 335 05	
	Fibre optic racks 1 U - For 4 fibre optic units		0 335 10	
	Fibre optic cassettes for patch panel		0 335 11	

Selection chart for equipment and cabinets

for FTTO infrastructure

	EQUIPMENT FOR INDIVIDUAL WORKSTATIONS			EQUIPMENT FOR SHARED WORKSTATIONS		
	RJ 45 socket, cat. 6 - FTP - 2 modules		0 765 65	Fibre optic/copper converter switch		0 779 05
	Cat. 6 cords - RJ 45/stripped - F/UTP	Length 8 m	0 517 96	Power supply for fibre optic/ copper switch		0 779 06
		Length 15 m	0 517 97	OM3 multimode optical cord 50/125 µm - SC/LC	3 m	0 326 14
	Active zone box		0 326 80		SC/LC > 3 m	consult our customised offer
	False ceiling support for active zone box		0 326 81	Ready-assembled zone distribution box		0 335 43
	Raised access floor support for active zone box		0 326 82			
ZONE BOX <-> FLOOR DISTRIBUTOR LINK						
	Fast-connection connector 50 µm OM3/OM4 900 µm - LC/UPC		0 326 58	Fast-connection connector 50 µm OM3/OM4 900 µm - SC/UPC		0 326 57
	Pigtail 10 Giga - OM3 - 50/125 µm - LC		0 326 23	Pigtail 10 Gb - OM3 - 50/125 µm - SC		0 326 22
	OM3 multimode fibre optic cable 50/125 µm - 6 fibres					0 325 10
EQUIPMENT FOR FLOOR DISTRIBUTOR						
	Modular cabinet					0 462 90
	Fibre optic floor distributor cabinet - ready-assembled					0 462 91
	Fast-connection connector - 50 µm OM3/OM4 900 µm - SC/UPC					0 326 57 x 2
	Pigtail 10 Gb - OM3 - 50/125 µm - SC					0 326 22 x 2
FLOOR DISTRIBUTOR <-> BUILDING DISTRIBUTOR LINK						
	Pigtail 10 Gb - SC (for input) - OM3 - 50/125 µm - SC (incoming)					0 326 22
	OM3 multimode fibre optic cable 50/125 µm - 24 fibres					0 325 52
	Pigtail 10 Gb - SC (for output) - OM3 - 50/125 µm - SC (outgoing)					0 326 22
EQUIPMENT IN THE GENERAL BUILDING DISTRIBUTOR						
	19'' fibre optic drawer - equipped with SC units					0 335 09
	Fast-connection connector - 50 µm OM3/OM4 900 µm - SC/UPC					0 326 57
	Pigtail 10 Gb - OM3 - 50/125 µm - SC					0 326 22

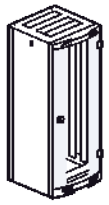
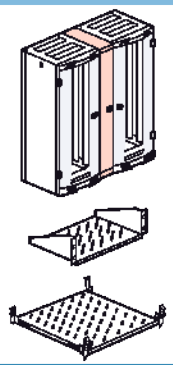
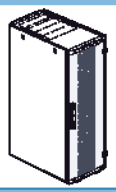
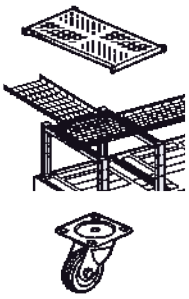
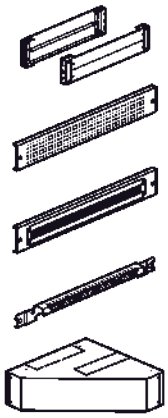
Selection chart for panels and cords for audio/video applications

ASSEMBLED PANELS, AUDIO/VIDEO APPLICATIONS (p. 696)		
	**19" panel equipped with HD 15 units**	0 335 98
	19" panel equipped with HDMI units	0 335 97
	19" panel equipped with XLR units	0 335 96
	19" panel equipped with 9-way SUB-D units	0 335 99
CORDS FOR AUDIO/VIDEO APPLICATIONS (p. 696)		
	**HD 15 cord - 10 m**	0 517 23
	HD 15 cord + 3.5 mm jack - 2 m	0 517 22
	HDMI 1.4 cord - 10 m	0 517 20
	HDMI 1.4 cord - 5 m	0 517 27
	HDMI 1.4 cord - 1.5 m	0 517 26
	XLR cord - 10 m	0 517 24
	9-way SUB-D cord - 10 m	0 517 25
CABLES FOR AUDIO/VIDEO APPLICATIONS (p. 696)		
	**VGA cable - 20 m**	0 327 81
	HDMI cable - 20 m	0 327 80

Mosaic and Arteor audio/video sockets
p. 694-695

Selection chart for equipment and cabinets

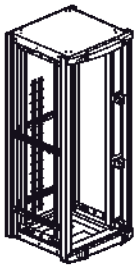
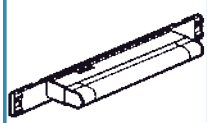
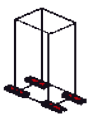
configure your LCS² system

LCS² 19" CABINETS (p. 698)				Depth 600 mm	Depth 800 mm	Depth 1000 mm
	Single front door	24 U	Width 600 mm	0 463 00	-	-
		29 U	Width 600 mm	0 463 06	-	-
		33 U	Width 600 mm	0 463 12	-	-
		42 U	Width 600 mm	0 463 18	0 463 19	-
			Width 800 mm	0 463 21	0 463 22	0 463 23
		42 U extension(1)	Width 600 mm	0 463 30	-	-
			Width 800 mm	-	0 463 33	-
		47 U	Width 800 mm	-	0 463 28	0 463 29
	Double front door	42 U	Width 800 mm	0 463 41	0 463 42	0 463 43
EQUIPMENT FOR LCS² 19" CABINETS (p. 698, 702)				**For cabinet depth 600 mm**	**For cabinet depth 800 mm**	**For cabinet depth 1000 mm**
	Cabling unit for 42 U cabinet			0 463 34	0 463 35	-
	Direct baying kit			0 463 37	0 463 38	0 463 39
	Fixed shelf Projecting fixing on 2 x 19" uprights, 2 U		Depth 115 mm	0 465 00	0 465 00	0 465 00
			Depth 200 mm	0 465 01	0 465 01	0 465 01
			Depth 360 mm	0 465 02	0 465 02	0 465 02
	Fixed shelf Fixing on 4 x 19" uprights		50 kg max., 1 U	0 465 05	0 465 06	0 465 07
			100 kg max., 1 U	-	-	0 465 17
	Telescopic shelf, fixing on 4 x 19" uprights, 1 U			0 465 08	0 465 09	0 465 10
	Set of 2 fixed runners			0 465 11	0 465 12	0 465 13
LCS² 19" SERVER CABINETS (p. 698)				**Depth 1000 mm**		
	42 U		Width 600 mm	0 463 85		
			Width 800 mm	0 463 86		
EQUIPMENT FOR LCS² 19" SERVER CABINETS (p. 698, 702)				**For cabinet depth 1000 mm**		
	Baying kit			0 463 39		
	Fixed shelf Projecting fixing on 2 x 19" uprights, 2 U		Depth 115 mm	0 465 00		
			Depth 200 mm	0 465 01		
			Depth 360 mm	0 465 02		
	Fixed shelf Fixing on 4 x 19" uprights		50 kg max., 1 U	0 465 07		
			100 kg max., 1 U	0 465 17		
	Telescopic shelf Fixing on 4 x 19" uprights		50 kg max., 1 U	0 465 10		
			100 kg max., 2 U	0 465 18		
	Set of 2 fixed slidders			0 465 13		
	Cable guide support			0 464 79 (+ 0 464 78)		
	Set of 4 casters, 500 kg max.			0 464 82		
PLINTH FOR LCS² 19" CABINETS AND SERVER CABINETS (p. 700)						
	Plinth kit, height 100 mm		For cabinet width 600 mm	0 464 50		
			For cabinet width 800 mm	0 464 51		
	Plinth kit, height 200 mm		For cabinet width 600 mm	0 464 52		
			For cabinet width 800 mm	0 464 53		
	Set of 2 solid side traps		For cabinet depth 600 mm	0 464 54(2)		
			For cabinet depth 800 mm	0 464 56(2)		
			For cabinet depth 1000 mm	0 464 58(2)		
	Ventilated trap, height 100 mm		For cabinet width/depth 600 mm	0 464 60		
			For cabinet width/depth 800 mm	0 464 61		
	Trap with brushes, height 100 mm		For cabinet width/depth 600 mm	0 464 62		
			For cabinet width/depth 800 mm	0 464 63		
	Cross bar		For cabinet depth 600 mm	0 476 93		
			For cabinet depth 800 mm	0 476 94		
			For cabinet depth 1000 mm	0 476 95		
	Linking interface		For cabinet depth 600 mm	0 464 66		
	Plinth for cabling unit, trap height 100 mm			0 464 64(2)		

1: Cabinets with no side panels supplied with baying kit - 2: Double the number of traps for a height of 200 mm

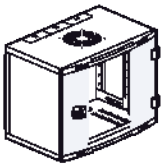
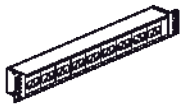
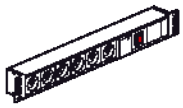
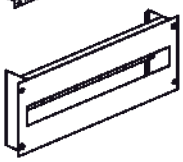
Selection chart for equipment and cabinets

configure your LCS² system (continued)

CABLE ENTRIES FOR LCS² 19" CABINETS AND SERVER CABINETS (p. 701)			
	Plastic plate with brushes, snap on	1 U	0 465 28
		2 U	0 465 29
	Metal plate with brushes	1 U	0 465 30
		2 U	0 465 31
THERMAL MANAGEMENT FOR LCS² 19" CABINETS AND SERVER CABINETS (p. 701)			
	19" 3 U plate with 230 V ~ fans	2 fans	0 464 87
		3 fans	0 464 88
	1 U ventilation drawer	2 fans, depth 150 mm	0 464 89
		4 fans, depth 300 mm	0 464 90
	Thermostat	Adjustable from 5 to 60°C	0 348 48
CABLE MANAGEMENT FOR LCS² 19" CABINETS AND SERVER CABINETS (p. 701-702)			
	Set of 3 cable management supports	For cabinet width/depth 600 mm	0 464 72
		For cabinet width/depth 800 mm	0 464 73
		For cabinet depth 1000 mm	0 464 74
	Flat cable guide	For 33 U cabinet	0 464 76
		For 42 U cabinet	0 464 77
	U-shaped cable guide, 3 m	Width 200 mm	0 464 69
		Width 400 mm	0 464 70
	Vertical cable management grille	For 42 U cabinet, width 800 mm	0 331 35
	Vertical cable manager	For 42 U cabinet, width 800 mm	0 464 80
	Patch extension	For 42 U cabinet, width 800 mm	0 464 81
	19" management panels, 2 axes	1 U	0 465 22
		2 U	0 465 23
ACCESSORIES FOR LCS² 19" CABINETS AND SERVER CABINETS (p. 701-702)			
	Accessories	230 V∿ lighting kit, 1 U	0 464 85
		Anti-tilt kit	0 464 84
		Floor fixing kit	0 464 86
		Set of 4 casters - 380 kg max.	0 464 83
	Vertical PDU supports	For 42 U cabinets	0 465 75
		For 47 U cabinets	0 465 76

Selection chart for equipment and cabinets

configure your LCS² system (continued)

LCS² 19" FREESTANDING CABINETS AND EQUIPMENT (p. 704)				FIXED		PIVOTING
				Depth 400 mm	Depth 580 mm	Depth 600 mm
	6 U	Height 350 mm x width 600 mm		0 462 00	-	-
	9 U	Height 500 mm x width 600 mm		0 462 01	0 462 06	0 462 11
	12 U	Height 600 mm x width 600 mm		0 462 02	0 462 07	0 462 12
	16 U	Height 800 mm x width 600 mm		0 462 03	0 462 08	0 462 13
	21 U	Height 1000 mm x width 600 mm		-	0 462 09	0 462 14
	Fixed shelves	Depth 115 mm		0 465 00	0 465 00	0 465 00
		Depth 200 mm		0 465 01	0 465 01	0 465 01
		Depth 360 mm		-	0 465 02	0 465 02
	Equipment	Cable entry plate with brush		-	-	0 462 55
		Cable management ring		0 465 41[1]	0 465 41/42	-
		230 V ~ fan		0 462 60	0 462 60	0 462 60
		Thermostat		0 348 48	0 348 48	0 348 48
		Set of 4 casters		-	-	0 462 64
19" POWER DISTRIBUTION UNITS (PDUs) (p. 706)						
	PDU 2P+E	9 x 2P+E sockets	French standard	0 465 50		
			German standard	0 465 60		
		12 x C13 sockets		0 465 51		
		9 x C19 sockets		0 465 52		
		6 x 2P+E sockets	French standard	0 465 54		
			German standard	0 465 62		
		6 x 2P+E sockets Switch with indicator	French standard	0 332 88		
		6 x 2P+E sockets Circuit breacker	French standard	0 332 37		
			German standard	0 332 38		
		6 x 2P+E sockets Tamperproof (UPS)	French standard	0 332 87		
		5 x 2P+E sockets	British standard	6 339 00		
		6 x 2P+E sockets	British standard	0 465 65		
	PDU with surge protector	6 x 2P+E sockets French standard		0 332 78		
	PDU to be equipped	Takes 16 Mosaic modules		0 332 79		
	Multiapplication 19" rail DIN kit	Rail DIN kit with front cover		0 465 46		
		Rear cover		0 465 47		
VERTICAL POWER DISTRIBUTION UNITS (PDUs) (p. 706)						
	PDU 2P+E	24 x 2P+E sockets	French standard	0 465 80[2]		
			German standard	0 465 88[2]		
			British standard	0 465 89[2]		
		24 x C13 sockets		0 465 81[2]		
		16 x C13 + 6 x C19 sockets Cord with IEC 60309 plug - 16 A		0 465 84[2]		
		24 x C13 + 3 x C19 sockets Cord with IEC 60309 plug - 32 A 3-phase supply		0 465 85[2]		

1: Except for 6 U cabinet
2: Mounting in LCS² cabling and server cabinet with mounting bracket Cat.Nos 0 465 75/76

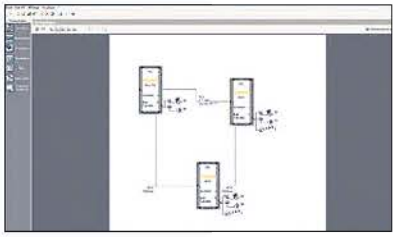
Metered PDUs
p. 707

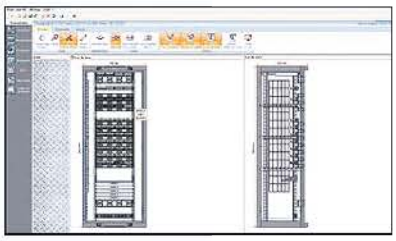
LCS² 10" wall-mounting cabinets
p. 705



Your LCS² cabinet in a few clicks

The new LCS Pro² software lets you quickly and easily select your products, view your cabinet, and more





- Make the synoptic of your installation
- Find automatically Cat.Nos by selecting characteristic options
- Visualise the cabinet installation and amend it if required
- Manage your studies: technical summaries, purchase orders, document printing

Legrand cabling system LCS² category 6A

patch panels, blocks of connectors



0 335 86



0 335 90



0 335 76



Connector cat. 6A shielded STP

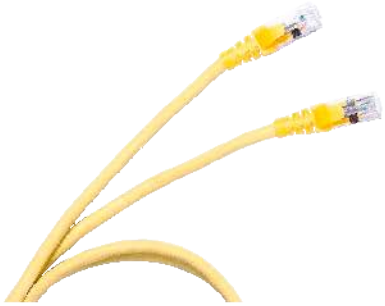
Pack	Cat.Nos	
		Patch panel cat. 6A 24 x RJ 45 connectors
		Panel supplied with quick-fixing Panel ensures automatic grounding of each connector Fitted with rear cable guide to hold cables during maintenance Fitted with 4 units of 6 LCS² RJ 45 connectors cat. 6A with fast connection thanks to integrated crimping, with wiring schemes T 568 A and T 568 B Supplied with numbered colour labels Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-2 and TIA/EIA 568C 19" panel - 1 U
1	0 335 84	UTP panel - 8 contacts
1	0 335 85	UTP high density panel - 8 contacts
1	0 335 73	STP - Metal shielding 360°
1	0 335 86	STP high density panel - 360° metal shielding
		Modular panel
		Panel supplied with quick-fixing Panel ensures automatic grounding of each connector Fitted with rear cable guide to hold cables during maintenance Modular empty panel for up to 4 units Take the following equipment: - units of 6 x LCS² RJ 45 connectors - telephone inlet units - fibre optic units - PoE injector units - video streaming units - switch units - telephone/Ethernet doubler units - copper/fibre optic converter units - blanking plates
1	0 335 90	19" panel - 1 U
		Units of 6 x RJ 45 connectors cat. 6A
		Fitted with 6 x LCS² RJ 45 connectors cat. 6A with fast connection thanks to integrated crimping, with wiring schemes T 568 A and T 568 B Supplied with colour labels Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-2 and TIA/EIA 568C
2	0 335 77	UTP unit - 8 contacts
2	0 335 76	STP unit - metal shielding 360°
10	0 335 91	Blanking plate for 19" panel - Black

Legrand cabling system LCS² category 6A

cables and cords



0 327 77



0 517 82

Pack	Cat.Nos	Cables for local networks cat. 6A
		Cables 4 pairs or 2 x 4 twisted pairs 100 ohms LSZH sleeve: halogen-free Yellow RAL 1018 Colour code TIA/EIA Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568C Performance 500 MHz
	LSZH	**U/UTP - 4 pairs**
		Performance 500 MHz
500[1]	0 327 87	Length 500 m Supplied on reel. Weight 25 kg
		F/UTP - 4 pairs
		Performance 500 MHz
500[1]	0 327 78	Length 500 m Supplied on reel. Weight 25 kg
		F/UTP - 2 x 4 pairs
		Performance 500 MHz
500[1]	0 328 78	Length 500 m Supplied on reel. Weight 65 kg
		S/FTP - 4 pairs
		Performance 600 MHz
500[1]	0 327 77	Length 500 m Supplied on reel. Weight 30 kg

1: in metre(s)

Pack	Cat.Nos	RJ 45 patch cords and user cords cat. 6A
		RJ 45 - RJ 45 right Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568C
	PVC	
		U/UTP unscreened impedance 100 Ω
1	0 518 82	Length 1 m
1	0 518 83	Length 2 m
1	0 518 84	Length 3 m
1	0 518 85	Length 5 m
	LSZH	
1	0 518 78	Length 1 m
1	0 518 79	Length 2 m
1	0 518 80	Length 3 m
1	0 518 81	Length 5 m
1	0 518 74	Length 1 m
1	0 518 75	Length 2 m
1	0 518 76	Length 3 m
1	0 518 77	Length 5 m
	PVC	**S/FTP shielded impedance 100 Ω**
5	0 517 80	Length 1 m
5	0 517 81	Length 2 m
5	0 517 82	Length 3 m
5	0 517 83	Length 5 m
	LSZH	
1	0 518 70	Length 1 m
1	0 518 71	Length 2 m
1	0 518 72	Length 3 m
1	0 518 73	Length 5 m
1	0 518 66	Length 1 m
1	0 518 67	Length 2 m
1	0 518 68	Length 3 m
1	0 518 69	Length 5 m

Legrand cabling system LCS² category 6A

RJ 45 sockets - Mosaic™ Programme


0 765 73


0 765 76


0 794 76


0 765 24


0 765 25


0 765 99


6 327 79

Can be integrated in all supports (p. 768 to 781)
Mechanisms to be equipped with support frames (p. 808) and plates (p. 806-807)
With LCS² connector with fast connection thanks to integrated crimping take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	Mosaic Programme RJ 45 sockets cat. 6A
		STP - 1 module 360° metal shielding
10	0 765 73	○ White
10	0 765 84	○ White antimicrobial
10	0 794 73	○ Aluminium
		STP - 2 modules 360° metal shielding
10	0 765 76	○ White
10	0 794 76	○ Aluminium
10	0 765 24	○ White with green shutter
10	0 765 25	○ White with orange shutter
10	0 765 08	○ White
		STP with controlled access - 2 modules 360° metal shielding Supplied with 2 keys for 5 sockets
5	0 765 99	○ White with red shutter
		UTP - 1 module
10	0 765 71	○ White
10	0 794 71	○ Aluminium
10	0 765 26	○ White with green shutter
10	0 765 27	○ White with orange shutter
		UTP - 2 modules
10	0 765 74	○ White
10	0 794 74	○ Aluminium
		UTP with controlled access - 2 modules Supplied with 2 keys for 5 sockets
5	0 765 90	○ White with red shutter
10	0 765 09	○ White

Pack	Cat.Nos	Keystone RJ 45 sockets cat. 6A
10	0 331 54	STP socket - metal shielding 360° with fast connection thanks to integrated crimping
10	0 331 55	UTP socket - with fast connection thanks to integrated crimping
		Surface-mounting 1 or 2 ports box
20	6 327 79	For keystone connectors Provides a solution for the integration of a keystone in surface-mounting installations Can be fixed on table or in association with mini-trunking

Area distribution boxes **p. 676**




5 723 06

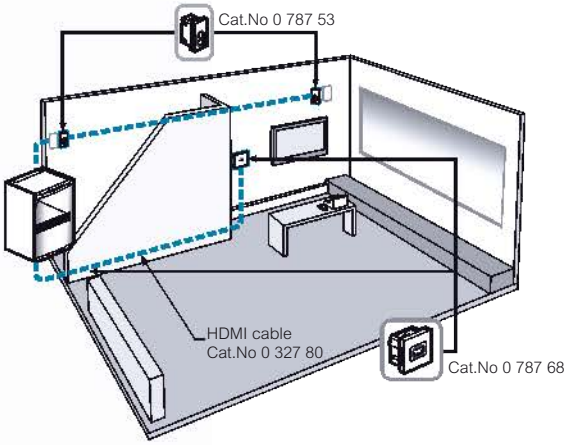

5 723 50


5 728 49

Mechanisms supplied with square rocker plates, to be equipped with support frames (p. 384-385) and plates (p.358-359 and 386 to 391)
Can be integrated in all supports (p. 768 to 780)
With LCS² connector with fast connection thanks to integrated crimping take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	Arteor RJ 45 sockets cat. 6A	
		360° metal shielding	
		STP - 1 module	
10	5 723 06		○ White
10	5 728 06		● Magnesium
10	5 723 51		○ White with orange shutter
10	5 728 51		● Magnesium with orange shutter,
10	5 723 52		○ White with green shutter
10	5 728 52		● Magnesium with green shutter
		STP with controlled access - 2 modules	
		Supplied with 2 keys for 5 sockets	
5	5 723 50		○ White with red shutter
5	5 728 50		● Magnesium with red shutter
		UTP - 1 module	
10	5 723 49		○ White
10	5 728 49		● Magnesium
10	5 723 59		○ White with green shutter
10	5 728 59		● Magnesium with green shutter
10	5 723 58		○ White with orange shutter
10	5 728 58		● Magnesium with orange shutter
		UTP with controlled access - 2 modules	
		Supplied with 2 keys for 5 sockets	
5	5 723 57		○ White with red shutter
5	5 728 57		● Magnesium with red shutter

The right system to meet your needs



■ Audio/video sockets, **p. 694-695**

From the cabinets to the terminal sockets

- 19'' LCS² cabinets
- 19'' patch panels: to distribute the audio/video signal
- cords: for connecting a socket to a terminal
- cables: for connecting 2 sockets a long distance apart
- sockets: choose between 20 technologies

Legrand cabling system LCS² category 6

patch panels, blocks of connectors



0 335 62



0 335 89



0 335 90



0 335 65



Cat. 6 connector
STP shielded

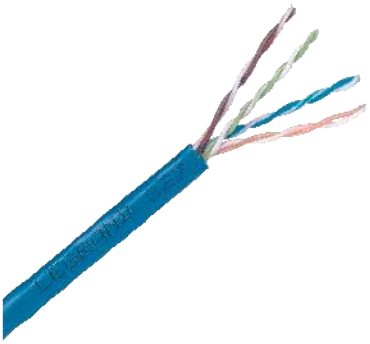
Pack	Cat.Nos	Patch panels cat. 6 24 x RJ 45 quick-fixing connectors
		Patch panels Panels supplied with quick-fixing Panels ensure automatic grounding of each connector Fitted with rear cable guide to hold cables during maintenance Fitted with 4 units of 6 LCS² RJ 45 connectors cat. 6 with fast connection thanks to integrated crimping, with colour code and wiring schemes T 568 A and T 568 B Supplied with numbered colour labels Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-2 and TIA/EIA 568C 19" panel - 1 U
1	0 335 61	UTP panel - 8 contacts
1	0 335 67	UTP high density panel - 8 contacts
1	0 335 62	FTP panel - 9 contacts
1	0 335 68	FTP high density panel - 9 contacts
1	0 335 63	STP panel - metal shielding 360°
		UTP through panel 24 x RJ 45 connectors
1	0 335 89	UTP through panel

Pack	Cat.Nos	Modular panels
		Panels supplied with quick-fixing General all-purpose assembly of all enclosures or cabinets Panels ensure automatic earthing of each connector Fitted with rear cable guide to hold cables during maintenance Empty panels to be fitted with 4 units Take the following equipment: - 6 LCS² RJ 45 connector units - telephone inlet units - fibre optic units - PoE injector units - video streaming units - switch units - telephone/Ethernet doubler units - copper/fibre optic converter units - blanking plates
1	0 335 90	19" panel - 1 U

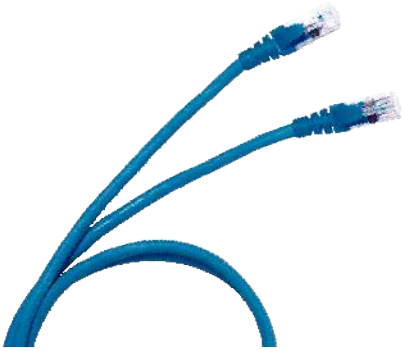
Pack	Cat.Nos	Units of 6 x RJ 45 connectors cat. 6
		Fitted with 6 x LCS² RJ 45 connectors cat. 6 with fast connection thanks to integrated crimping, with colour code and wiring schemes T 568 A and T 568 B Supplied with colour labels Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568
2	0 335 64	UTP unit - 8 contacts
2	0 335 65	FTP unit - 9 contacts
2	0 335 66	STP unit - metal shielding 360°
10	0 335 91	Blanking plate for 19" panel - Black

Legrand cabling system LCS² category 6

cables and cords



0 327 54



0 517 62

Cables for local networks cat. 6

Cables 4 pairs or 2 x 4 twisted pairs
100 ohms
Blue RAL 5015
Colour code TIA/EIA
Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568C

Pack	Cat.Nos LSZH	Cat.Nos PVC	
			U/UTP - 4 pairs
305[1]	0 327 54		Length 305 m Supplied in cardboard box. Weight 16 kg
500[1]	0 328 61		Length 500 m Supplied on reel. Weight 18 kg
305[1]		0 327 55	Length 305m Supplied in cardboard box. Weight 13 kg
			U/UTP - 2 x 4 pairs
500[1]	0 328 63		Length 500 m Supplied in cardboard box. Weight 38 kg
			F/UTP - 4 pairs
305[1]	0 328 56		Length 305 m Supplied on reel. Weight 17 kg
500[1]	0 327 56		Length 500 m Supplied on reel. Weight 25 kg
			F/UTP - 4 pairs
305[1]		0 328 57	Length 305 m Supplied in cardboard box. Weight 17 kg
500[1]		0 327 58	Length 500 m Supplied on reel. Weight 25 kg
			F/UTP - 2 x 4 pairs
500[1]	0 327 76		Length 500 m Supplied on reel. Weight 48 kg
			SF/UTP - 4 pairs
500[1]	0 327 57		Length 500 m Supplied on reel. Weight 29 kg
500[1]		0 327 59	Length 500 m Supplied on reel. Weight 30 kg
			SF/UTP - 2 x 4 pairs
500[1]	0 328 59		Length 500 m Supplied on reel. Weight 52 kg

1: in meter(s)

RJ 45 patch cords and user cords cat. 6

RJ 45 - RJ 45 right

Pack	Cat.Nos PVC	
		U/UTP unscreened impedance 100 Ω
1	0 517 72	Length 1 m
1	0 517 73	Length 2 m
1	0 517 74	Length 3 m
1	0 517 75	Length 5 m

Pack	Cat.Nos LSZH		
1	0 518 62	0 518 58	Length 1 m
1	0 518 63	0 518 59	Length 2 m
1	0 518 64	0 518 60	Length 3 m
1	0 518 65	0 518 61	Length 5 m

Pack	Cat.Nos PVC	
		F/UTP screened impedance 100 Ω
1	0 517 62	Length 1 m
1	0 517 63	Length 2 m
1	0 517 64	Length 3 m
1	0 517 65	Length 5 m

Pack	Cat.Nos LSZH		
1	0 518 54	0 518 50	Length 1 m
1	0 518 55	0 518 51	Length 2 m
1	0 518 56	0 518 52	Length 3 m
1	0 518 57	0 518 53	Length 5 m

Pack	Cat.Nos PVC	
		SF/UTP shielded impedance 100 Ω
5	0 517 52	Length 1 m
5	0 517 53	Length 2 m
5	0 517 54	Length 3 m
5	0 517 55	Length 5 m

Legrand cabling system LCS² category 6

RJ 45 sockets - Mosaic™ Programme


0 765 63


0 765 96


0 794 33

Can be integrated in all supports (p. 768 to 781)
Mechanisms to be equipped with support frames (p. 808) and plates (p. 806-807)
With LCS² connector with fast connection thanks to integrated crimping take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	Mosaic Programme RJ 45 sockets cat. 6
		UTP - 1 module
10	0 765 61	○ White
10	0 794 61	Aluminium
10	0 786 06	○ White, connection with 110 tool
10	0 794 12	Aluminium, connection with 110 tool
10	0 765 81	○ White antimicrobial
		UTP - 2 modules
10	0 765 64	○ White
10	0 794 64	Aluminium
10	0 786 07	○ White, connection with 110 tool
10	0 794 13	Aluminium, connection with 110 tool
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 94	○ White with red shutter
		UTP 90° - 2 modules
		Vertical snap-on socket for column module
10	0 765 91	○ White
		UTP 45° - 2 modules
10	0 765 03	○ White
10	0 765 14	○ White, connection with 110 tool
		UTP 45° - 2 x RJ 45 - 2 modules
5	0 765 04	○ White
		UTP retractable RJ 45 socket - 4 modules
		With integrated retractable cord (0.9 m)
		Winds up automatically with a pushbutton
1	0 765 32	○ White
		UTP - 1 module
10	0 794 81	● Black
		UTP 2 x RJ 45 with Soluclip accessory - 3 modules
		For snap-on mounting on DLP trunking with 45 mm cover
5	0 765 44	○ White
		FTP - 1 module
10	0 765 62	○ White
10	0 794 62	Aluminium
10	0 765 82	○ White antimicrobial
		FTP - 2 modules
10	0 765 65	○ White
10	0 794 65	Aluminium
10	0 765 22	○ White with green shutter
10	0 765 23	○ White with orange shutter
		FTP - 2 modules
		For snap-on mounting on trunking with 45 mm cover
5	0 765 46	○ White
10	0 794 85	● Black

Pack	Cat.Nos	Mosaic Programme RJ 45 sockets cat. 6 (continued)
		FTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 95	○ White with red shutter
		FTP 45° - 2 modules
10	0 765 05	○ White
		FTP 2 x RJ 45 45° - 2 modules
5	0 765 06	○ White
		FTP retractable RJ 45 sockets - 4 modules
		With integrated retractable cord (0.9 m)
		Winds up automatically with a pushbutton
1	0 765 33	○ White
1	0 794 33	Aluminium
		FTP 90° - 2 modules
		Vertical snap-on socket for column module
10	0 765 92	○ White
10	0 794 92	Aluminium
		Shielded STP - 1 module
10	0 765 63	○ White
10	0 765 83	○ White antimicrobial
		Shielded STP - 2 modules
10	0 765 66	○ White
		STP - 2 modules
10	0 794 86	● Black
		Shielded STP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 96	○ White with red shutter
		STP 45° - 2 modules
		Vertical snap-on socket for column module
10	0 765 07	○ White
		Shielded STP 90° - 2 modules
		Vertical snap-on socket for column module
10	0 765 93	○ White

Sockets for snap-on trunking
Black edition **p. 744**



Legrand cabling system LCS² category 6

RJ 45 sockets - Arteor, Soliroc and Plexo


5 728 02


5 728 16


6 327 79


0 695 69

Can be integrated in all supports (p. 768 to 781)
With LCS² connector with fast connection thanks to integrated crimping take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	Arteor RJ 45 sockets cat. 6
		Mechanisms supplied with square rocker plates, to be equipped with support frames (p. 384-385) and plates (p. 358-359 and 386 to 391)
		UTP - 1 module
10	5 723 02	○ White
10	5 728 02	● Magnesium
10	5 723 54	○ White with orange shutter
10	5 728 54	● Magnesium with orange shutter
10	5 723 55	○ White with green shutter
10	5 728 55	● Magnesium with green shutter
		UTP - 2 modules
10	5 723 14	○ White - square version
10	5 728 14	● Magnesium - square version
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	5 723 53	○ White with red shutter
5	5 728 53	● Magnesium with red shutter
		UTP retractable RJ 45 sockets - 4 modules
		With integrated retractable cord (0.9 m)
		Winds up automatically with a pushbutton
1	5 723 39	○ White
1	5 728 39	● Magnesium
		FTP - 1 module
10	5 723 22	○ White
10	5 728 22	● Magnesium
		FTP - 2 modules
10	5 723 16	○ White
10	5 728 16	● Magnesium
		Shielded STP - 1 module
10	5 723 23	○ White
10	5 728 23	● Magnesium
		Shielded STP - 2 modules
10	5 723 17	○ White
10	5 728 17	● Magnesium

Pack	Cat.Nos	Keystone RJ 45 socket cat. 6
10	0 331 81	UTP socket with fast connection
		Surface-mounting 1 or 2 ports box
20	6 327 79	For keystone connectors Provides a solution for the integration of a keystone in surface-mounting installations Can be fixed on table or in association with mini-trunking
		Soliroc RJ 45 socket cat. 6 - IK 10
		FTP - 2 modules
1	0 778 91	IP 20 - IK 10 For at-risk areas or areas with no surveillance
		Plexo RJ 45 sockets cat. 6 - IP 55 closed flap IK 07
		RJ 45 sockets
		Protection against water, dust For industrial sites
5	0 695 69	○ Grey/white FTP socket
1	0 695 61	○ Grey/white UTP socket
		Adaptor for RJ 45 socket
1	0 695 81	RJ 45 to be ordered separately Weatherproofing ensured (IP 44) plug inserted ○ Grey/white
		Plexo 66 RJ 45 socket cat. 6 - IP 66 - IK 08
		FTP socket
1	0 904 67	9 contacts Weatherproofing ensured (IP 66) with plug inserted Inclined 90° ● Grey RAL 7016/T029

Arteor and Mosaic Programme audio/video sockets **p. 694-695**



Legrand cabling system LCS² category 6A and 6

area distribution boxes and cords



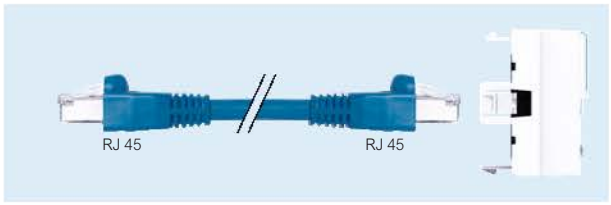
0 335 49



0 335 40



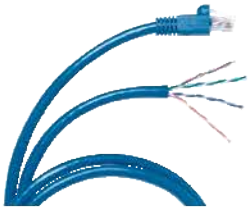
0 335 40 fitted with SC fibre optic unit, accessory Cat.No 0 335 20 and a 6 x RJ 45 connector unit



Connection principle



0 517 86



0 517 57



0 515 23

Pack	Cat.Nos	Area distribution boxes
		For distribution of low current in a zone fitted with 1 to 12 RJ 45 sockets Centralise connections to guarantee flexibility and adaptability of the installation Installed on false ceiling or false floor Connect to the patch panel or the floor cabinet Connection to an RJ 45 socket with stripped cord or to a Mosaic RJ 45 socket with copper feedthrough with an RJ 45/RJ 45 cord IP 21 - IK 07 Conform to standards UTE C 15-900, NF C 15-100, NF C 20-730, EN 50-174.2, CEI 60950, ISO/IEC 11801 Ed. 2.0, EN 50173-2 and TIA/EIA 568 Colour code TIA/EIA 568 A and C Cords and cables: ISO 11801 Ed.2.0, EN 50173-1, TIA/EIA 568 Technical characteristics: - polycarbonate PC hood - polypropylene PP base - RAL 7035 - hold connector units in place in the box: 100 N - Cables anchored on support using Colring cable ties
		Area distribution boxes cat. 6A
1	0 335 49	STP Fitted with 2 x 6 LCS² RJ 45 cat. 6A connector blocks and RJ 45 blanking plates Supplied with Colring cable ties
		Area distribution boxes cat. 6 Fitted with 2 x 6 LCS² connector blocks RJ 45 cat. 6 and RJ 45 blanking plates Supplied with Colring cable ties
1	0 335 44	UTP
1	0 335 45	FTP
1	0 335 46	STP
		Self-assembly area distribution box for cat. 6A, 6 and 5e
1	0 335 40	Used for mounting LCS² RJ 45 connector blocks cat. 6A (p. 668), RJ 45 connector blocks cat. 6 (p. 672) or RJ 45 connector blocks cat. 5e (p. 679)

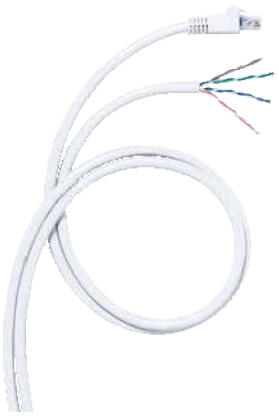
Pack	Cat.Nos	Cords cat. 6A - RJ 45/stripped
		RJ 45 - straight stripped Clip on and off in the area distribution boxes and connection via LCS² connector of an RJ 45 socket by the stripped side Cords prepared in factory, "ready for wiring" Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568 C2 Yellow RAL 1018
		S/FTP unscreened impedance 100 Ω
1	0 517 86	Length 8 m
1	0 517 87	Length 15 m
1	0 517 88	Length 20 m

Pack	Cat.Nos	Cords cat. 6 - RJ 45/stripped AWG 24
		RJ 45 - straight stripped Clip on and off in the area distribution boxes and connection via LCS² connector of an RJ 45 socket by the stripped side Cords prepared in factory, "ready for wiring" Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568 Blue RAL 5015 Wiring in T 568 B
		U/UTP unscreened impedance 100 Ω
4	0 517 57	Length 8 m
4	0 517 58	Length 15 m
4	0 517 59	Length 20 m
		F/UTP screened impedance 100 Ω
4	0 517 96	Length 8 m
1	0 517 97	Length 15 m
4	0 517 98	Length 20 m

Pack	Cat.Nos	Cords cat. 6A - RJ 45/RJ 45
		For direct connection via RJ 45 male plug to the area distribution box and to the RJ 45 socket with copper feedthrough to ensure: - safe connection - speed and reliability of connection Yellow RAL 1018
		S/FTP unscreened impedance 100 Ω
4	0 515 23	Length 8 m
4	0 515 24	Length 15 m
4	0 515 25	Length 20 m

Pack	Cat.Nos	Cords cat. 6 - RJ 45/RJ 45
		For direct connection via RJ 45 male plug to the zone distribution box and to the RJ 45 socket with copper feedthrough to ensure: - safe connection - speed and reliability of connection Blue RAL 5015
		U/UTP unscreened impedance 100 Ω
4	0 515 10	Length 8 m
4	0 515 11	Length 15 m
4	0 515 12	Length 20 m
		F/UTP screened impedance 100 Ω
4	0 515 13	Length 8 m
4	0 515 14	Length 15 m
4	0 515 15	Length 20 m

Legrand cabling system LCS² category 5e cords



0 517 90



0 515 03

Pack	Cat.Nos	Cords cat. 5e - RJ 45/stripped
		RJ 45 - straight stripped Clip on and off in the area distribution boxes and RJ 45 socket connection via LCS² connector via the stripped side Cords prepared in factory, "ready for wiring" Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568 Grey RAL 7035 Wiring in T 568 B
		U/UTP unscreened impedance 100 Ω
4	0 517 90	Length 8 m
4	0 517 91	Length 15 m
4	0 517 92	Length 20 m
		F/UTP screened impedance 100 Ω
4	0 517 93	Length 8 m
4	0 517 94	Length 15 m
4	0 517 95	Length 20 m

Pack	Cat.Nos	Cords cat. 5e - RJ 45/RJ 45
		For direct connection via RJ 45 male plug to the zone distribution box and to the RJ 45 socket with copper feedthrough to ensure: - safe connection - speed and reliability of connection Grey RAL 7035
		U/UTP unscreened impedance 100 Ω
4	0 515 00	Length 8 m
4	0 515 01	Length 15 m
4	0 515 02	Length 20 m
		F/UTP unscreened impedance 100 Ω
4	0 515 03	Length 8 m
4	0 515 04	Length 15 m
4	0 515 05	Length 20 m

Legrand cabling system LCS² category 6A, 6 and 5e - feedthrough sockets - Mosaic™ Programme and Arteor



0 786 28



0 786 25

Certified as conforming to standards ISO 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568
Contacts marked with 568 A and B dual colour code and numbers
Connectors with self-stripping terminals
Possibility of re-wiring in the event of error
Multidirectionnal cable entry
For use with area distribution boxes (see opposite), connection to boxes via RJ 45-RJ 45 dedicated cords
Used to create cat. 6A, cat. 6 and cat. 5e links in accordance with standards
2 modules

Pack	Cat.Nos	Sockets with copper feedthrough cat. 6A
		Cat. 6A STP - Mosaic Programme
10	0 786 28	White
10	0 786 29	Aluminium
		Sockets with copper feedthrough cat. 6
		Cat. 6 UTP - Mosaic Programme
10	0 786 22	White
10	0 786 26	Aluminium
		Cat. 6 FTP - Mosaic Programme
10	0 786 23	White
10	0 786 27	Aluminium
		Cat. 6 UTP - Arteor
10	5 723 31	White
10	5 728 31	Magnesium
		Cat. 6 FTP - Arteor
10	5 723 33	White
10	5 728 33	Magnesium
		Sockets with copper feedthrough cat. 5e
		Cat. 5e UTP - Mosaic Programme
10	0 786 20	White
10	0 786 24	Aluminium
		Cat. 5e FTP - Mosaic Programme
10	0 786 21	White
10	0 786 25	Aluminium
		Cat. 5e UTP - Arteor
10	5 723 30	White
10	5 728 30	Magnesium
		Cat. 5e FTP - Arteor
10	5 723 32	White
10	5 728 32	Magnesium

Dimensions



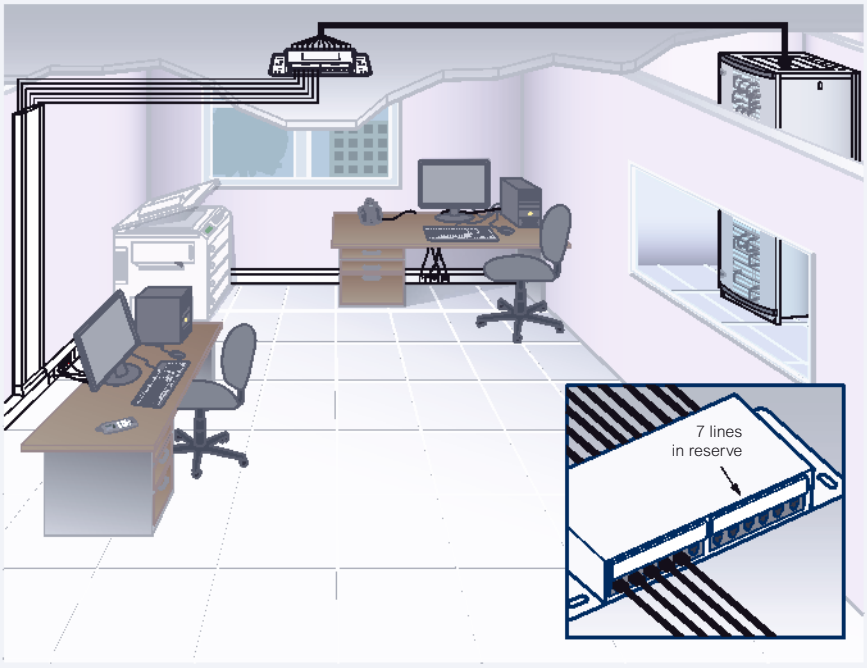
Performance

Maximum recommended lengths of links to ensure high performance of the systems with the use of RJ 45 sockets with copper feedthroughs and/or RJ 45 sockets

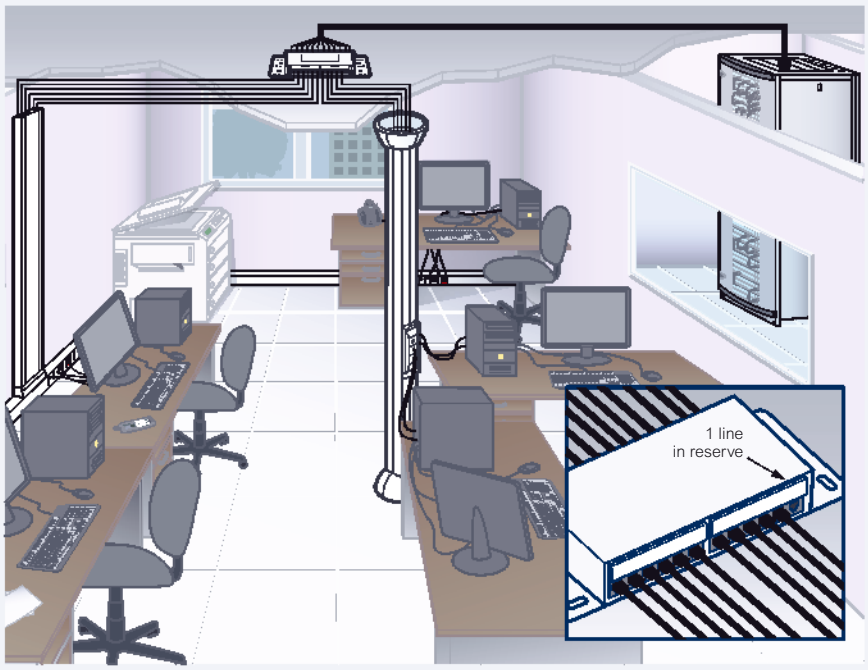
	Length associated lengths (m)		
	Cords	Cables	Links
Cat. 6A	8	70	78
	15	60	75
	20	55	75
Cat. 6	8	70	78
	15	60	75
	20	55	75
Cat. 5e	8	75	83
	15	65	80
	20	60	80

We recommend selecting the shortest wiring lengths for more flexibility regarding cord length in the event of reconfiguration

Application example



An area distribution box is installed to connect the RJ 45 sockets and meet the future requirements of the installation



Connection to additional RJ 45 sockets is done by adding RJ 45 - RJ 45 cords between the unit and the RJ 45 sockets with copper feedthrough

Legrand cabling system LCS² category 5e

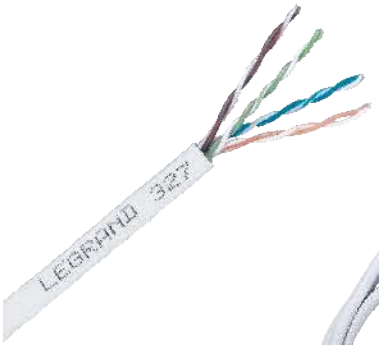
patch panels, blocks of connectors



0 335 52

Legrand cabling system LCS² category 5e

cables and cords



0 328 50



0 516 40

Pack	Cat.Nos	Patch panels cat. 5e 24 x RJ 45 connectors
		Panels supplied with quick-fixing Panels ensure automatic grounding of each connector Fitted with rear cable guide to hold cables during maintenance Fitted with 4 units of 6 LCS² RJ 45 connectors cat 5e with fast connection thanks to integrated crimping, with colour code and wiring schemes T 568 A and T 568 B Supplied with colour labels numbered from 1 to 24 Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568 19" panel - 1 U
		UTP panel
1	0 335 51	UTP panel - 8 contacts
1	0 335 82	UTP panel - 8 contacts - connection with 110 tool
1	0 335 83	UTP high density panel - 8 contacts - connection with 110 tool
		FTP panel
1	0 335 52	FTP panel - 9 contacts
		UTP through panel 24 RJ 45 connectors
1	0 335 88	UTP through panel
		Modular panels
		Panels supplied with fast assembly Panels ensure automatic grounding of each connector Fitted with rear cable guide to hold cables during maintenance Modular empty panels for up to 4 units Takes the following equipment: - units of 6 LCS² RJ 45 connectors - units for telephone inlets - fibre optic units - PoE injector units - video streaming units - switch units - telephone/Ethernet doubler units - copper/fibre optic converter units - blanking plates
1	0 335 90	19" panel - 1 U
		Units of 6 x RJ 45 connectors cat. 5e
		Fitted with 6 x LCS² RJ 45 connectors cat. 5e with fast connection thanks to integrated crimping, with colour code and wiring schemes T 568 A and T 568 B Supplied with colour labels Conforms to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568
2	0 335 54	UTP unit
2	0 335 55	FTP unit
10	0 335 91	Blanking plate for 19" panel - Black

Pack	Cat.Nos	Cables for local networks cat. 5e
		4 twisted pair cables 100 ohms LSZH sleeve: non-halogen Grey RAL 7035 Colour code TIA/EIA
	LSZH / PVC	
305[1]	0 327 50	**U/UTP - 4 pairs** Length 305m Supplied in cardboard box. Weight 10 kg
500[1]	0 328 53	Length 500 m Supplied on reel. Weight 15 kg
305[1]	0 327 51	Length 305m Supplied in cardboard box. Weight 9 kg
500[1]	0 327 73	**U/UTP - 2 x 4 pairs** Length 500 m Supplied on reel
305[1]	0 327 52	**F/UTP - 4 pairs** Length 305 m Supplied in cardboard box. Weight 12 kg
500[1]	0 328 50	Length 500 m Supplied on reel. Weight 21 kg
305[1]	0 327 53	Length 305 m Supplied by box. Weight 11 kg
500[1]	0 327 74	**F/UTP - 2x4 pairs** Length 500 m Supplied on reel. Weight 38 kg
		RJ 45 patch cords and user cords cat. 5e
	PVC	RJ 45 - RJ 45 right
		U/UTP unscreened impedance 100 Ω
		Grey
1	0 516 36	Length 1m
1	0 516 37	Length 2m
1	0 516 38	Length 3m
1	0 516 39	Length 5m
		F/UTP screened impedance 100 Ω
		Grey
1	0 516 40	Length 1 m
1	0 516 41	Length 2 m
1	0 516 42	Length 3 m
1	0 516 43	Length 5 m

1: in metre(s)

Legrand cabling system LCS² category 5e

RJ 45 sockets - Mosaic™ Programme, Arteor and Plexo



0 765 52



6 327 79



0 695 57

Can be integrated in all supports (p. 768 to 781)
With LCS² connector with fast connection thanks to integrated crimping Take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	Mosaic Programme RJ 45 sockets cat. 5e
		Mechanisms to be equipped with support frames (p. 808) and plates (p. 806-807)
		UTP - 1 module
10	0 765 51	○ White
10	0 794 51	Aluminium
		UTP - 2 modules
10	0 765 54	○ White
10	0 794 54	Aluminium
10	0 765 18	○ White, connection with 110 tool
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 97	○ White with red shutter
		UTP - 2 x RJ 45 with Soluclip accessory - 3 modules
		For snap-on mounting on DLP trunking with 45 mm cover
5	0 765 41	○ White
		UTP retractable RJ 45 socket - 4 modules
		With integrated retractable cord (0.9 m)
		Winds up automatically with a pushbutton
1	0 765 30	○ White
		UTP 45° - 2 modules
10	0 765 01	○ White
		2 x RJ 45 UTP 45° - 2 modules
5	0 765 02	○ White
		FTP - 1 module
10	0 765 52	○ White
10	0 794 52	Aluminium
		FTP - 2 modules
10	0 765 55	○ White
10	0 794 55	Aluminium
		FTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 98	○ White with red shutter
		FTP - 2 x RJ 45 with Soluclip accessory - 3 modules
		For snap-on mounting on Mosaic trunking with 45 mm cover
5	0 765 42	○ White

Pack	Cat.Nos	Arteor RJ 45 sockets cat. 5e
		Mechanisms supplied with square rocker plates, to be equipped with support frames (p. 384-385) and plates (p. 358-359 and 386 to 391)
		UTP - 1 module
10	5 723 03	○ White
10	5 728 03	Aluminium
		UTP - 2 modules
10	5 723 15	○ White
10	5 728 15	Aluminium
		FTP - 1 module
10	5 723 04	○ White
10	5 728 04	Aluminium

Pack	Cat.Nos	Keystone RJ 45 socket cat. 5e
		UTP socket
10	0 331 80	With fast crimping connection

Pack	Cat.Nos	Surface-mounting 1 or 2 ports box
20	6 327 79	For keystone connectors Provides a solution for the integration of a keystone in surface-mounting installations Can be fixed on table or in association with mini-trunking

Pack	Cat.Nos	Plexo RJ 45 sockets, cat. 5e - IP 55 closed flap IK 07
		RJ 45 sockets
		Protection against water, dust
		For industrial sites
1	0 695 57	○ Grey/White FTP socket
1	0 695 56	○ Grey/White UTP socket
		Adaptor for RJ 45 socket
1	0 695 81	RJ 45 to be ordered separately Weatherproofing ensured (IP 44) plug inserted ○ Grey/white

Arteor and Mosaic Programme audio/video sockets **p. 694-695**



Legrand cabling system LCS² category 6A, 6 and 5e

additional products and doublers



0 335 90



0 335 39



0 335 34



0 335 12



0 335 16



0 334 75

Pack	Cat.Nos	Modular panels
		Panels supplied with captive screws and cage nuts or with quick fixing Universal mounting for all enclosures or cabinets Panels ensure automatic earthing of each connector Fitted with rear cable guide to hold cables in place during maintenance Modular empty panels for up to 4 units Take the following equipment: - units of 6 x LCS² RJ 45 connectors - units for telephone inlets - fibre optic units - PoE injector units - video streaming units - switch units - telephone/Ethernet doubler units - copper/fibre optic converter units - blanking plates
1	0 335 90	19" panel - 1 U

Pack	Cat.Nos	Doubler units
		Units of 6 x LCS² RJ 45 doubler connectors For fast tool-free connection Used with doubler sockets (p. 682)
2	0 335 54	UTP unit
2	0 335 55	FTP unit
10	0 335 91	Blanking plate for 19" panel - Black
		Ethernet/Ethernet doublers 100 base T
1	0 335 39	FTP - 9 contacts
1	0 335 38	UTP - 8 contacts
		Telephone/Ethernet doublers 100 base T
1	0 335 37	FTP - 9 contacts
1	0 335 36	UTP - 8 contacts
		Telephone/telephone doubler
1	0 335 35	45 contacts

Pack	Cat.Nos	Video streaming unit
1	0 335 34	Block of 6 "F" connectors for video circuits

Pack	Cat.Nos	Fibre optic units
		Clip directly onto fibre optic drawer Cat.No 0 335 10 (p. 685), on the patch panels with fibre optic cassette Cat.No 0 335 11 (p. 685) or in the area distribution boxes with fibre optic accessory Cat.No 0 335 20 (p. 690)
		Monomode fibre units (9/125 µm)
1	0 335 13	LC unit for 6 monomode fibres
1	0 335 12	SC unit for 6 monomode fibres
		Multimode fibre units (62.5 and 50/125 µm)
1	0 335 16	ST unit for 6 multimode fibres
1	0 335 17	SC unit for 6 multimode fibres
1	0 335 18	LC unit for 6 multimode fibres
1	0 335 19	High-density LC unit for 12 multimode fibres

Pack	Cat.Nos	Access control units
		Access control units Solution to secure a passive RJ 45 on sensitive networks Possibility to lock / unlock a cord with the unlocking tool Cat.No 0 334 70 (not supplied) Compatible with all Legrand LCS² 19'' cat. 6A / 6 / 5e patch panels and cords
2	0 334 71	Black shutter
2	0 334 72	Blue shutter
2	0 334 73	Red shutter
2	0 334 74	Orange shutter
2	0 334 75	Green shutter
		Unlocking tool for access control units
5	0 334 70	Unlocking tool

Legrand cabling system LCS² category 6A, 6 and 5e

additional products and doublers (continued)


0 335 02


0 335 01


0 327 37


0 539 49

Pack	Cat.Nos	Blanking plates
		Set of 12 blanking plugs for RJ 45 LCS² connector
10	0 517 40	White
10	0 517 41	Black
		Blanking plate for 19" panel
10	0 335 91	Black

Pack	Cat.Nos	Ethernet switches 100 Mbps
		Mounted in the patch panel Conform with standards IEEE 802-3, EN 500 81-1 and EN 500 82-1 (Conformity with EMC requirements)
		Switch units for patch panel
		Clip directly onto the patch panels
1	0 335 02	7 RJ 45 ports at the front, 1 of which is a cascade port
		Power supply with transformer provided
1	0 335 05	6 RJ 45 ports + 1 LC type optic port with front-mounted cascade 100 base FX type LC Power supply via transformer provided

Pack	Cat.Nos	Copper/fibre optic converter units
		Simply and quickly permit copper to fibre conversion and vice versa Clip directly onto the patch panels Fitted with an SC type fibre optic connector
1	0 335 06	10/100 base T to 10/100 base FX type SC
1	0 335 07	1000 base T to 1000 base SX type SC

Pack	Cat.Nos	Midspan Power over Ethernet (PoE) injectors, 802.3 af
1	0 335 01	4 inlets/outlets Used for supplying 4 Wi-Fi access points Clips directly onto a patch panel
1	0 327 37	1 inlet / outlet Used for supplying a Wi-Fi access point Direct connection to the patch panel

Pack	Cat.Nos	RJ 45 doubler sockets
		Provide increased security against theft and damage to double connectors Provide a rate of 10/100 Mbps Multidirectionnal cable entry Can be installed in all supports depth min. 35 mm 1 module
		Ethernet/Ethernet - Mosaic Programme
		○ White
10	0 765 39	FTP - 9 contacts
10	0 765 38	UTP - 8 contacts
		Telephone/Ethernet - Mosaic Programme
		○ White
10	0 765 37	FTP - 9 contacts

Pack	Cat.Nos	RJ 45 doubler sockets (continued)
		Telephone/Ethernet - FTP - Arteor
		9 contacts
10	5 723 36	○ White
10	5 728 36	Magnesium
		Telephone/Ethernet - UTP - Mosaic Programme
		8 contacts
10	0 765 36	○ White
		Telephone/Ethernet - UTP - Arteor
		8 contacts
10	5 723 35	○ White
10	5 728 35	Magnesium
		Telephone/telephone - Mosaic Programme
		45 contacts
10	0 765 35	○ White

Pack	Cat.Nos	Mobile doublers
		Clip into RJ 45 sockets to double applications
10	0 327 83	TV/computer network or telephone double connector
10	0 327 47	Telephone/telephone doubler
10	0 327 45	Computer network/telephone doubler
10	0 327 46	L1/L2 telephone doubler
10	0 327 48	Computer network/computer network double connector

Pack	Cat.Nos	Weatherproof adaptors
		IP 55 - IK 07 Allow all functions to be adapted 2 Mosaic modules IP 55 operation
	Grey/White	
10	0 695 80	Adaptor with smoked flap
1	0 695 79	Adaptor with smoked flap lockable by special tool
1	0 695 81	Adaptor for RJ socket ensuring IP 44 weatherproof with cable connected
1	0 919 45	Locking tool (used for changing vandal-proof screws)
		Soliroc adaptors
		Used for adapting all functions 2 Mosaic modules IK 10 - IP 55
1	0 778 80	Adaptor with flap
1	0 778 81	Adaptor without flap
		Hypra adaptor
5	0 539 49	IP 55 adaptor base

Legrand cabling system LCS² category 6A, 6 and 5e - telephone panels, units and cables



0 335 79

Pack	Cat.Nos	Patch panel telephone 50 ports 110 connect
1	0 335 79	19" panel - 1 U

Pack	Cat.Nos	Cables for telephone networks
		PVC sleeve - cat. 3 Colour white Colour code TIA/EIA
		U/UTP - 50 pairs
1	0 328 91	Length 500m Supplied on reel
		U/UTP - 100 pairs
1	0 328 88	Length 500m Supplied on reel

Pack	Cat.Nos	Panels and units for incoming telephone
		Assembled panels - 1 U Fitted with 4 LCS² RJ 45 units of 12 ports with fast tool-free connection
1	0 335 31	3-6/4-5 contacts for digital telephone
1	0 335 30	4-5/7-8 contacts for analogue telephone
		Incoming telephone units for self-assembly panels Fitted with 12 LCS² RJ 45 ports with quick tool-free connection
2	0 335 33	3-6/4-5 contacts for digital telephone
2	0 335 32	4-5/7-8 contacts for analogue telephone

Pack	Cat.Nos	110 tool
1	0 332 60	110 tool
5	0 332 61	Replacement blade

Legrand cabling system LCS² category 6A, 6 and 5e - accessories

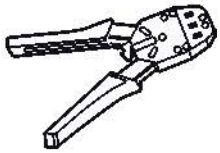


0 517 09



0 327 60

Pack	Cat.Nos	Crimping tool for RJ 45 plugs
1	0 517 09	Used for crimping plugs RJ 4/6/8/9 contacts Ratchet control of crimping mechanism Able to cut and strip cables Tool with 3 crimping points High resistance steel material



Pack	Cat.Nos	RJ plugs for round cables
		Gold-coated contacts 1.2 µm
		RJ 11
50	0 517 01	4 contacts, width 9.65 mm
		RJ 12
50	0 517 02	6 contacts, width 9.65 mm
		RJ 45 cat. 5e
50	0 517 03	8 contacts, width 11.70 mm
50	0 517 04	9 contacts, width 11.70 mm
		RJ 45 sleeves
50	0 517 06	Black
50	0 517 07	White



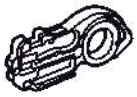






Pack	Cat.Nos	Cable protection accessories
		Plastic material IP 66/67 guaranteed connection with the pair 0 533 02 IP 55 with no connection for base with shutter Protection for RJ 45 shielded or unshielded cables ensuring a link of category 5 Conform to standards of the IEC 60603-7 series and to standard IEC 61076-3-106 (version 5) Compatible with products on the market Compatible with products on the market conforming to the standards listed
		Plug
3	0 533 00	Integrated PE with sealing ring and clamping blades Tool-free assembly Ability to protect cables of category 5e
		Flush-mounting base
3	0 533 01	Locking base Supplied with RJ 45 female / female coupler cat. 5e
		Kit
3	0 533 02	Flush-mounting base + plug
		Protective flap
3	0 533 03	Fits on base Cat.No 0 533 01

Pack	Cat.Nos	Stripping tool
		Slits the sheath and releases the conductors by rotation For twisted pair cables Does not damage the conductors
		Stripper
1	0 332 62	For twisted pair and fibre optic cable
		Cutting pliers
1	0 327 60	Cut wires cleanly without damaging the copper



Legrand cabling system LCS² fibre optic

fibre cables



0 325 15



0 325 06



0 325 10



0 325 08

Fibre cables:
• fibre colour code: FOTAG
• standard: EN 50173-2, ISO IEC 11801

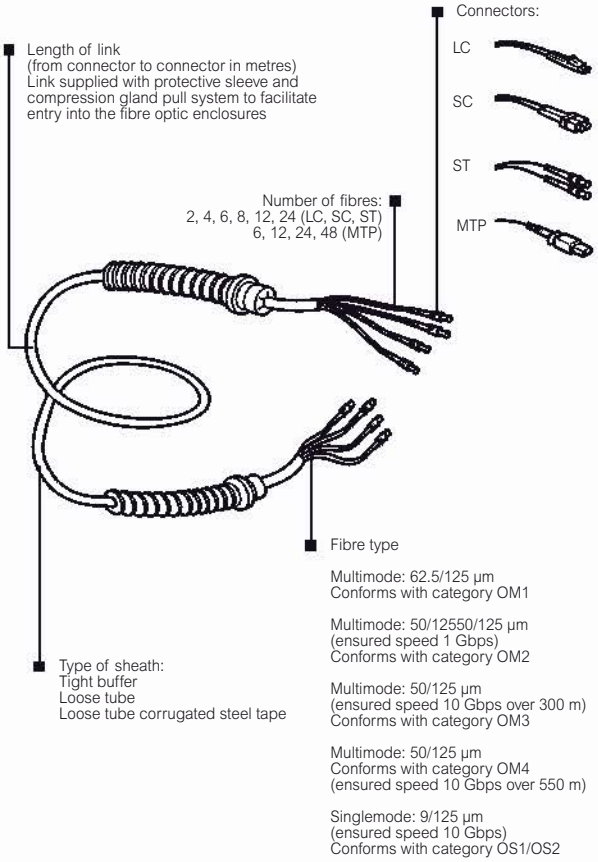
Pack	Cat.Nos		
	Loose tube	900 µm Tight buffer	**OS1/OS2 singlemode optical cables (9/125 µm)**
2000[1]	0 325 12		For 9/125 µm singlemode installations (OS1) Yellow jacket Indoor/outdoor (universal) 6 fibres
2000[1]	0 325 13		Outdoor, corrugated steel tape 6 fibres
2000[1]	0 325 14	0 325 50	Indoor/outdoor (universal) 12 fibres
2000[1]	0 325 15		Outdoor, corrugated steel tape 12 fibres
2000[1]	0 325 51		Indoor/outdoor (universal) 24 fibres
	900 µm Tight buffer		**OM 4 multimode optical cables (50/125 µm)**
500[1]	0 326 65		For 50/125 µm multimode installations (OM 4) Blue jacket Compatible with 10 Giga Ethernet network Indoor/outdoor (universal) 6 fibres
1000[1]	0 326 66		Indoor/outdoor (universal) 6 fibres
1000[1]	0 326 67		Indoor/outdoor (universal) 12 fibres
1000[1]	0 326 68		Indoor/outdoor (universal) 24 fibres
	Loose tube	900 µm Tight buffer	**OM 3 multimode optical cables (50/125 µm)**
2000[1]		0 325 10	For 50/125 µm multimode installations (OM 3) Green jacket Indoor/outdoor (universal) 6 fibres
2000[1]		0 325 11	Indoor/outdoor (universal) 12 fibres
2000[1]	0 325 53	0 325 52	Indoor/outdoor (universal) 24 fibres
	Loose tube	900 µm Tight buffer	**OM 2 multimode optical cables (50/125 µm)**
2000[1]		0 325 55	For 50/125 µm multimode installations (OM 2) Orange jacket Indoor/outdoor (universal) 4 fibres
2000[1]	0 325 04	0 325 08	Indoor/outdoor (universal) 6 fibres
2000[1]	0 325 05		Outdoor, corrugated steel tape 6 fibres
2000[1]	0 325 06	0 325 09	Indoor/outdoor (universal) 12 fibres
2000[1]	0 325 07		Outdoor, corrugated steel tape 12 fibres

1: in meter(s)

Customised fibre optic links

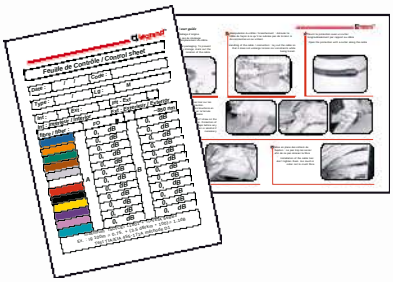


FIBRES PRE-FITTED WITH CONNECTORS



DOCUMENTS

Each link is supplied with a test report (fibre by fibre) and illustrated operating instructions



PACKAGING

According to length of link:
- packed on a reel
- packed on a ring

Connector protection by tube



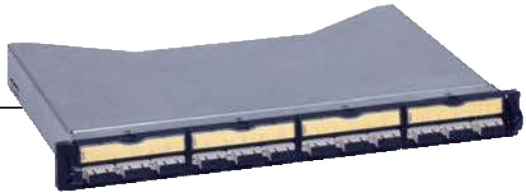
Reel

Legrand cabling system LCS² fibre optic

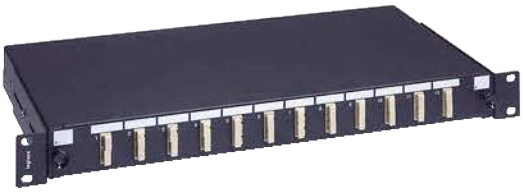
19" fibre optic drawers and fibre sockets



"Tail-coat" enclosure rear for easier cable entry



0 335 09 fitted with fibre optic units



0 325 20



0 335 13



0 335 12



0 335 11 fitted with fibre optic unit 0 335 17



0 786 17



0 786 18

Pack	Cat.Nos	19" slide-in modular optic drawers
		Limit switch stop with 45° slope Depth 220 mm, height 1 U
1	0 335 10	Maximum capacity: - 24 x ST and SC connectors ST - 48 x LC connectors Supplied with screws and wiring accessories Takes up to 4 fibre optic units (see below)
1	0 335 09	Supplied with 24 SC connectors

Pack	Cat.Nos	19" Linkeo optic drawers
		Fastening kit of 4 cage nuts Depth 200 mm, width 483 mm, height 1 U Incoming cable area at the bottom 1 cable seal for cable from 6 to 12 mm 1 fibre management kit 1 splice bridge (12 splices)
1	0 325 20	Maximum capacity: 24 SC connectors (loaded adaptors)
1	0 325 22	Maximum capacity: 48 LC connectors (loaded adaptors)

Pack	Cat.Nos	Fibre optic units
		Clip directly onto the fibre optic drawer Cat.No 0 335 10 or on the patch panels with fibre optic cassette Cat.No 0 335 11
		Singlemode fibre units (9/125 µm)
1	0 335 13	LC unit for 6 singlemode fibres
1	0 335 12	SC unit for 6 singlemode fibres
1	0 327 86	SC/APC unit for 4 singlemode fibres
		Multimode fibre units (62.5 and 50/125 µm)
1	0 335 16	ST unit for 6 multimode fibres
1	0 335 17	SC unit for 6 multimode fibres
1	0 335 18	LC unit for 6 multimode fibres
1	0 335 19	High-density LC unit for 12 multimode fibres

Pack	Cat.Nos	Switch/fibre optic unit
1	0 335 05	Power supply via transformer provided 6 x RJ 45 ports + 1 cascade LC type optic port at the front Clips directly onto the patch panels

Pack	Cat.Nos	Copper/fibre optic converter units
		For simple and fast copper to fibre conversion and vice versa Clip directly onto the patch panels Fitted with an SC type fibre optic connector
1	0 335 06	10/100 base T to 10/100 base FX type SC
1	0 335 07	1000 base T to 1000 base SX type SC

Pack	Cat.Nos	Fibre optic cassette for patch panel
1	0 335 11	Ensures fibre coiling (from 2 to 12 fibres) Takes a fibre optic unit Cat.Nos 0 335 12/13/16/17/18/19 Used for linking copper and fibre optic blocks on the same LCS² patch panel

Pack	Cat.Nos	Blanking plate for 19" panel
10	0 335 91	Black

Pack	Cat.Nos	Cassette for pigtails
1	0 329 07	12-fibre capacity
1	0 326 72	24-fibre capacity

Pack	Cat.Nos	Sockets with fibre optic feedthrough
		Fitted with duplex feedthrough 2 inlets/2 outlets Used for connecting 2 fibres (fitted with their connector) Supplied with protective caps Fitted with transparent marker holder 2 modules
		Socket with fibre optic feedthrough 2 x ST Bayonet connection (STII compatible)
1	0 786 16	 ○ White
		Socket with fibre optic feedthrough 2 x SC Push-pull connection
1	0 786 17	 ○ White
		Socket with fibre optic feedthrough 2 x LC Push-pull connection
1	0 786 18	 ○ White
		Socket with fibre optic feedthrough 2 x SC/APC Push-pull connection With shutters
1	0 786 14	 ○ White

Legrand cabling system LCS² fibre optic

19" high density fibre optic drawer



0 325 69 (not equipped)

Pack	Cat.Nos	19" high density fibre optic drawer
1	0 325 69	Modular fibre optic drawer Slide-in and modular drawer Maximum capacity: - 36 ST and SC connectors - 72 LC connectors Depth 220 mm, height 1 U Supplied with screws and wiring accessories Receives up to 3 fibre optic units below
		Fibre optic units
		Clip directly onto the optic drawer Cat.No 0 325 69
		Singlemode fibre units (9/125 µm)
3	0 325 73	LC duplex unit for 12 singlemode fibres - blue
3	0 325 74	LC quadriplex unit for 24 singlemode fibres - blue
3	0 325 70	ST duplex unit for 12 singlemode fibres - blue
3	0 325 71	SC duplex unit for 12 singlemode fibres - blue
3	0 325 72	MPO unit type A for 6 x 12 singlemode fibres - blue
		Multimode fibre units (62.5 and 50/125 µm)
3	0 325 78	LC duplex unit for 12 multimode fibres - beige
3	0 325 79	LC quadriplex unit for 24 multimode fibres - beige
3	0 325 75	ST duplex unit for 12 multimode fibres - beige
3	0 325 76	SC duplex unit for 12 multimode fibres - beige
3	0 325 77	MPO unit type A for 6 x 12 multimode fibres - beige
		Accessory
10	0 335 93	Blanking plate
		Accessories common to 2 fibre optic drawers
		Cassette for pigtails
1	0 329 07	12-fibre capacity
1	0 326 72	24-fibre capacity
		Bend limiting clip
10	0 335 94	Fibre management bend limiting clip

Legrand cabling system LCS² fibre optic

floor distribution cabinets, equipment



0 462 91

Pack	Cat.Nos	19" fibre optic drawer equipped with SC units
1	0 335 09	Fibre optic drawer equipped with 4 SC fibre optic units for 6 multimode fibres Modular sliding drawer End stop, tilted at 45° Depth 220 mm, height 1 U Supplied with screws and wiring accessories
		OM 3 multimode optical cords (50/125 µm)
		Suitable for 10 Gb Ethernet network Max. optical losses: 0.3 dB For 50/125 µm multimode installations, type OM 3 Purple sheaths
		SC/SC duplex cords
3	0 326 09	Length: 1 m
3	0 326 10	Length: 2 m
3	0 326 11	Length: 3 m
		SC/LC duplex cords
3	0 326 12	Length: 1 m
3	0 326 13	Length: 2 m
3	0 326 14	Length: 3 m
		OM 3 multimode fibre optic cables (50/125 µm)
		For 50/125 µm multimode installations, type OM 3 Green sheaths
	Tight jacketed 900 µm	Suitable for 10 Gb Ethernet network
2000	0 325 10	Internal/external (glass sheath) 6 fibres
2000	0 325 52	Internal/external (glass sheath) 24 fibres
		Fibre optic floor distribution cabinets
		Reversible metal cabinets with key-operated lock IP 20 - IK 08 Maximum capacity: - 24 fibres with ST connectors - 48 fibres with SC connectors - 96 fibres with LC connectors Up to 4 fibre optic units can be fitted Cat.Nos 0 325 71/72/73/74/76/77/78/79, 0 335 12/13/16/17/18/19 4 cable entries (2 at the top and 2 at the bottom) 12 outlets, 22 mm diameter (3 at the top, 3 at the bottom and 6 at the sides) Supplied with 1 black ISO 20 cable gland to hold the incoming cable and 15 feedthrough covers The outgoing cables can be clamped using a clamp at the back of the cabinet Can take 2 cassettes for pigtails Cat.No 0 329 07 (incoming and outgoing) 292 x 323 x 92 mm Black RAL 9005
1	0 462 91	Cabinet equipped with 2 SC fibre optic units for 12 multimode fibres
1	0 462 90	Modular cabinet


0 779 05


0 326 80


0 335 43

Pack	Cat.Nos	Shared work areas
		Conforming to IEEE 802.3 (Ethernet), POE 802.3af, PoE+ 802.3at, 802.1x (authentication via port), 802.1q VLAN trunking Compatible with SNMP, IPv6, QoS level 2 (802.1p) and level 3 (DiffServ), VLAN, Rapid Spanning Tree, IGMPv3 snooping
1	0 779 05	**Fibre optic/copper switch** Used to convert and distribute the optical signal to four 10/100/1000 RJ 45 ports with auto-MDI/X and PoE/PoE+ auto-negotiation on the front One 10/100/1000 RJ 45 port with auto-MDI/X and auto-negotiation on the side for network extension Fully manageable, without fan One SFP fibre optic port 1000 base SX included, LC connector Labelling of each port with label-holder For integration in all 4-module supports, depth 50 mm minimum Supplied with its own power supply Cat.No 0 779 06, max. power 60 W 4 modules - White
1	0 779 06	**Power supply for fibre optic/copper switch** Power supply for fibre optic/copper switch Cat.No 0 779 05 - 6 modules For installation in trunking only
		Individual work areas
5	0 326 80	**Active area box** Used to convert and distribute the optical signal to five 10/100/1000 RJ 45 ports Used to power IP devices via RJ 45 ports in PoE or PoE+ One SFP fibre optic port 1000 base SX included, LC connector Labelling of each port with label-holder For installation in false ceilings or raised access floors using supports Cat.Nos 0 326 81/82 230 V∿ power supply Conforming to IEEE 802.3 (Ethernet), POE 802.3af, PoE+ 802.3at, 802.1x (authentication via port), 802.1q VLAN trunking Compatible with SNMP, IPv6, QoS level 2 (802.1p) and level 3 (DiffServ), VLAN, Rapid Spanning Tree, IGMPv3 snooping
		Supports Integral optical fibre coiling cassette with quadriplex LC feedthrough
1	0 326 81	Used to install the active area box Cat.No 0 326 80 in a false ceiling Access to the area box with a pivoting flap Support for spare cords
1	0 326 82	Used to install the active area box Cat.No 0 326 80 in a raised access floor

Pack	Cat.Nos	Individual work areas (continued)
		Auxiliary contact
1	0 326 83	For active zone box Cat.No 0 326 80 Used to feed back volt-free data to the IP network For integration directly in the active area box (automatic connection)
		Battery
1	0 326 84	For active area box Cat.No 0 326 80 Provides continuity of operation of the active area box in the event of a power cut 52 V - 800 mAh Integrated directly in the active area box (automatic connection)
		OM 3 multimode fibre optic cables (50/125 µm)
	Tight jacketed 900 µm	For 50/125 µm multimode installations, type OM 3 Green sheaths Suitable for 10 Gb Ethernet network
2000	0 325 10	Internal/external (glass sheath) 6 fibres
2000	0 325 52	Internal/external (glass sheath) 24 fibres
		Ready-assembled area distribution box
		For extra low voltage distribution Centralises connections to guarantee flexibility and adaptability of the installation Installed in a false ceiling or raised access floor Connects to the floor distribution cabinet Connection to a Mosaic socket with copper feedthrough with an RJ 45/RJ 45 cord IP 21 - IK 07 Conforming to standards UTE C 15-900, NF C 15-100, NF C 20-730, EN 50-174.2, IEC 60950, ISO/IEC 11801 ed. 2.0, EN 50173-2 and IEA/TIA 568 Colour code EIA/TIA 568 A and B Cords and cables: ISO 11801 id.2.0, EN 50173-1, EIA/TIA 568 Technical characteristics: - polycarbonate PC hood - polypropylene PP base - RAL 7035 - Resistance of connector units on the box: 100 N - Cables anchored on support using Colring cable ties
1	0 335 43	Ready-assembled area box with: - a fibre optic accessory for mounting fibre optic modules and coiling the fibre - an SC fibre optic unit for 6 multimode fibres

Legrand cabling system LCS² fibre optic

optic connectors and pigtails



0 326 90



0 326 57



0 326 58



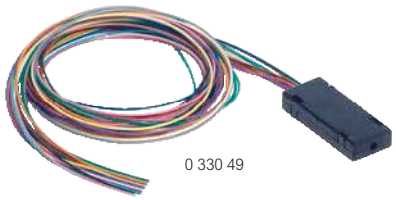
0 326 53



0 331 27



0 331 00



0 330 49

Pack	Cat.Nos	Tool case for preparing optic fibres for optic connectors
1	0 326 90	Provides the tools required for preparing optic cables, for carrying out initial tests of the connection of fibres to connectors and the accessories for easy connection in all situations Comprises: - Installation instructions and video - Stripping tool (for fibres and cables) - Cleaving tool - Microscope for checking the quality of the cut - Visual fault locator with cord - Accessories (ultra-strong scissors, marker, protective glasses, etc.)
		Update kit for case Cat.No 0 331 93
1	0 326 91	Comprises: - Visual fault locator with cord - Adaptors for connectors - Connector support for easier connection - Fibre positioning label to be affixed to the cleaver in case Cat.No 0 331 93
		Fast-connection connectors
		Quick to connect, reliable and can be reused up to 5 times Microswitch for locking the fibre inside the connector and illuminated indicator for checking for faults at the end of the process These connectors do not require any glue, polishing or special tools For installation on tight jacketed fibre (diam. 900 µm) For loose jacketed fibre (diam. 250 µm), use a spreader Cat.No 0 330 48 or 0 330 49
		Multimode connectors
10	0 326 57	SC/UPC connector 50 µm OM3/OM4 900 µm
10	0 326 58	LC/UPC connector 50 µm OM3/OM4 900 µm
10	0 326 56	ST/UPC connector 50 µm OM3/OM4 900 µm
10	0 326 62	SC connector 62.5 µm OM1 900 µm
10	0 326 61	ST connector 62.5 µm OM1 900 µm
		Singlemode connectors
10	0 326 52	SC/UPC connector 9 µm OS1/OS2 900 µm
10	0 326 53	LC/UPC connector 9 µm OS1/OS2 900 µm
10	0 326 54	SC/APC connector 9 µm OS1/OS2 900 µm

Pack	Cat.Nos	Pigtails
		Supplied with 900 µm sleeve, 1 m
		10 Gb - 50/125 µm OM4
10	0 326 70	LC connector
1	0 326 71	Kit of 12 LC-connector pigtails
		10 Gb - 50/125 µm OM3
6	0 326 22	SC connector
6	0 326 23	LC connector
1	0 326 27	6 x LC-PC connectors
1	0 326 26	12 x LC-PC connectors
		9/125 µm OS1/OS2
4	0 326 19	SC/APC connector
6	0 326 20	SC connector
6	0 326 21	LC connector
1	0 326 25	6 x LC-UPC connectors
1	0 326 24	12 x LC-UPC connectors
		Thermoretractable sleeve for pigtails
1	0 327 44	40 mm - pack of 50 sleeves
		Glue-on connectors 50/125 and 62.5/125 µm
		Supplied with sleeve 900 µm Connectors with ceramic ferrule Typical attenuation: 0.3 dB
10	0 331 27	ST connector
10	0 331 47	SC connector
10	0 331 00	LC connector
		Breakout kits
		For 900 µm of optical fibres Take 250 µm fibre diameters
1	0 330 48	6 fibre breakout kit
1	0 330 49	12 fibre breakout kit

Technical characteristics

- Connection of connectors on 900 µm fibre
- Maximum attenuation 0.3 dB
- Ideal for high-speed systems: 10 gigabit Ethernet
- Operating temperature: 0 to 65 °C
- Shallow connectors

Advantages:

- High quality finish
- Can be reused 5 times
- Shallow connector, depth less than 40 mm
- Connector factory pre-polished and does not require any glue
- No special tools, easy to transport
- Speed of installation: simple connection process, quick training

It takes less than five seconds to fit the connector

The basic steps

Preparation of the fibre:

Stripping



Cleaving



Inspection



Connection:

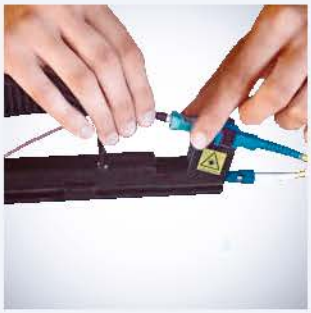
1/ Insert the fibre in the connector



2/ Slide the switch on the connector - the splice is done



3/ Slide the boot onto the connector



Finally, the visual fault locator is used to check the connection.

Rapid crimping connectors with tool case Cat.No 0 326 90

Types of connector

- ST connector: Helical shape locked by "push and turn" bayonet type connector



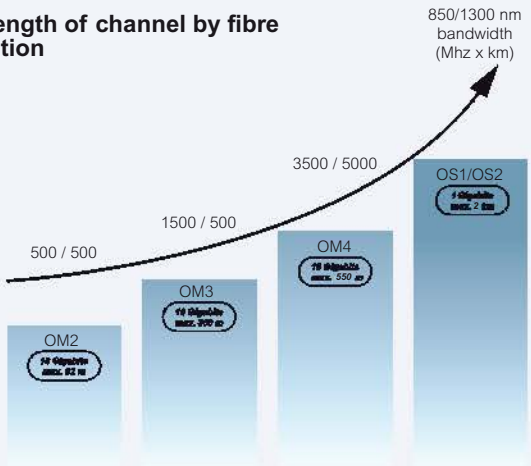
- SC connector: Rectangular shape "push-pull" latch type locking
  Suitable for a large number of active devices
  Recommended in the generic standards ISO/IEC 11801 and EN 50173



- LC connector: Rectangular shape tab locking
  Half the size of a conventional connector



Maximal length of channel by fibre optic application



Applications	Multimode			Monomode
	OM2	OM3	OM4	OS1/OS2
10 Gigabits Ethernet (S/R base)	82 m	300 m	550 m(1)	NA
Giga Ethernet (LX base)	550 m	550 m	550 m	2 km
Giga Ethernet (SX base)	550 m	550 m	1100 m	NA

TIA 568
Applications IEEE 802.3

1: Engineered solution using a max. cabled fibre attenuation of 3.0 dB/km. If not distance is of 400 m

Legrand cabling system LCS² fibre optic

area distribution boxes



0 335 40



0 335 40 fitted with SC fibre optic unit, accessory Cat.No 0 335 20 and a 6 x RJ 45 connector unit



0 335 20 fibre optic accessory



0 786 16



0 786 17



0 786 18

Pack	Cat.Nos	Area distribution box
		For distribution of low current in an area fitted with 1 to 12 RJ 45 sockets Centralise connections to guarantee flexibility and adaptability of the installation Installed on false ceiling or false floor Connect to the patch panel or the floor cabinet Conform to standards UTE C 15-900, NF C 15-100, NF C 20-730, EN 50-174.2, CEI 60950, ISO/IEC 11801 Ed. 2.0, EN 50173-2 and TIA/EIA 568 Colour code and wiring schemes T 568 A and T 568 B Cords and cables: ISO 11801 Ed.2.0, EN 50173-1, TIA/EIA 568 Technical characteristics: - polycarbonate PC hood - polypropylene PP base - RAL 7035 - hold connector units in place in the box: 100 N - Cables anchored on support using Colring cable ties
1	0 335 40	**Self-assembly area distribution box** Used for fitting fibre optic accessory units
		Fibre optic accessory
1	0 335 20	Used for fitting fibre optic units (p. 685) and the fibre coil in the area distribution box

Pack	Cat.Nos	Sockets with fibre optic feedthrough
		Fitted with duplex feedthrough 2 inlets/2 outlets Used for connecting 2 fibres (fitted with their connector) Supplied with protective caps Fitted with transparent marker holder 2 modules
		Socket with fibre optic feedthrough 2 x ST Bayonet connection (STII compatible)
1	0 786 16	 ○ White
		Socket with fibre optic feedthrough 2 x SC Push-pull connection
1	0 786 17	 ○ White
		Socket with fibre optic feedthrough 2 x LC Push-pull connection
1	0 786 18	 ○ White
		Socket with fibre optic feedthrough 2 x SC/APC Push-pull connection With shutters
1	0 786 14	 ○ White

Legrand cabling system LCS² fibre optic

Patch cords













Technical characteristics **p. 714**

Fitted with 2 connectors with ceramic ferrule at either end
Packed and tested individually (report supplied)
Zipcord LSZH sleeve

OS1/OS2 (UPC) singlemode optical cords

Max. optical losses: 0.3 dB
For OS1 9/125 µm singlemode installations, OS1 type
Yellow sheaths

Pack	Cat.Nos	
		SC/SC duplex cords
3	0 326 00	Length: 1 m
3	0 326 01	Length: 2 m
3	0 326 02	Length: 3 m
		SC/LC duplex cords
3	0 326 03	Length: 1 m
3	0 326 04	Length: 2 m
3	0 326 05	Length: 3 m
		LC/LC duplex cords
3	0 326 28	Length: 0.5 m
3	0 326 06	Length: 1 m
3	0 326 07	Length: 2 m
3	0 326 08	Length: 3 m
3	0 326 29	Length: 5 m

OM 4 multimode optical cords (50/125 µm)

Suitable for 10 Gb Ethernet network
Max. optical losses: 0.3 dB
For 50/125 µm multimode installations, OM 4 type
Blue sheaths

Pack	Cat.Nos	
		SC/SC duplex cords
3	0 326 30	Length: 1 m
3	0 326 31	Length: 2 m
3	0 326 32	Length: 3 m
		LC/LC duplex cords
3	0 326 33	Length: 0.5 m
3	0 326 34	Length: 1 m
3	0 326 35	Length: 2 m
3	0 326 36	Length: 3 m
3	0 326 37	Length: 5 m

OM 3 (PC) multimode optical cords (50/125 µm)

Suitable for 10 Gb Ethernet network
Max. optical losses: 0.3 dB
For 50/125 µm multimode installations, OM 3 type
Purple sheaths

Pack	Cat.Nos	
		SC/SC duplex cords
3	0 326 09	Length: 1 m
3	0 326 10	Length: 2 m
3	0 326 11	Length: 3 m
		SC/LC duplex cords
3	0 326 12	Length: 1 m
3	0 326 13	Length: 2 m
3	0 326 14	Length: 3 m
		LC/LC duplex cords
3	0 326 15	Length: 1 m
3	0 326 16	Length: 2 m
3	0 326 17	Length: 3 m

OM 2 (UPC) multimode optical cords (50/125 µm)

Max. optical losses: 0.3 dB
For 50/125 µm multimode installations, OM 2 type
Orange sheaths

Pack	Cat.Nos	
		ST/ST duplex cords
3	0 330 80	Length: 1 m
3	0 330 81	Length: 2 m
3	0 330 82	Length: 3 m
		SC/SC duplex cords
3	0 330 69	Length: 1 m
3	0 330 70	Length: 2 m
3	0 330 71	Length: 3 m
		ST/SC duplex cords
3	0 330 72	Length: 2 m
3	0 330 73	Length: 3 m
		LC/LC duplex cord
3	0 330 61	Length: 2 m
		SC/LC duplex cords
3	0 330 75	Length: 1 m
3	0 330 63	Length: 2 m
3	0 330 76	Length: 3 m
		LC/ST duplex cord
3	0 330 65	Length: 2 m

Legrand cabling system LCS² Wi-Fi access points



0 335 21



0 779 13



0 335 24

Technical characteristics **p. 715**

Pack	Cat.Nos	**Manageable Wi-Fi access points 802.11n**
		Coverage area: 600 m² Dual band 2.4 GHz or 5 GHz Conforms with standard 802.11 a, b, g, n Theoretical speed: 300 Mbps gross MIMO 2x2, supports up to 4 SSIDs False ceiling integration - PoE power supply (Power over Ethernet - standard IEEE 802.3 af) Network connection via a tool-free RJ 45 connector The installation must include at least: - a Wi-Fi access point (false ceiling) - a PoE injector Cat.No 0 335 01 conforming with 802.3 af (LCS² unit format) to be installed in the patch cabinet Can be configured centrally via controller Cat.No 0 332 25 or via configuration software Cat.No 0 335 24 or individually The management function allows the network administrator to manage Wi-Fi access points remotely via a web https interface Security via WEP, WPA and WPA2 (802.11i) encryption and 802.1x authentication QOS WMM compatible and supports SNMP management Guest access: independent access to the private Wi-Fi network Energy saving with standby management
1	0 335 22	Wi-Fi surface-mounted access point 802.11n
1	0 335 21	Wi-Fi ceiling-mounted access point 802.11n

Pack	Cat.Nos	**Manageable Wi-Fi access points 802.11a & b/g**
		Dual-band and dual-radio Conform with standards 802.11a and 802.11b/g Gross speed: 54 Mbps max. on each frequency (802.11a and 802.11g) simultaneously Can be integrated into all compatible supports with minimum 40 mm depth Tool-free network connection via RJ 45 connector PoE power supply (Power over Ethernet - standard 802.3 af) The installation must include at least: - Wi-Fi access point - a PoE injector conforming with 802.3af (LCS² unit format) to be installed in the patch panel The management function allows the network administrator to manage Wi-Fi access points remotely via a web interface Security via WPA2 encryption (802.11i) and 802.1x authentication Guest access: allows visitors free access to the Internet (access independent of the main Wi-Fi network)
	Mosaic	4 modules
1	0 779 14	Equipped with an RJ 45 socket on the front panel ○ White
1	0 779 13	Without RJ 45 socket outlet ○ White
	Arteor	
1	5 723 76	With RJ 45 socket on front ○ White
1	5 728 76	With RJ 45 socket on front ● Magnesium
1	5 723 77	With no RJ 45 socket ○ White
1	5 728 77	With no RJ 45 socket ● Magnesium

Pack	Cat.Nos	**Centralised configuration software**
1	0 335 24	Access point manager Allows the installation of a secure Wi-Fi network with centralised management of the Wi-Fi access points The installation must include at least: - Wi-Fi access points - a PoE injector conforming with 802.3 af (LCS² unit format) to be installed in the patch cabinet

Legrand cabling system LCS² switches and PoE injectors



0 779 00



0 332 80

Technical characteristics **p. 715**

Pack	Cat.Nos	
		Flush-mounting Ethernet 10/100 base T switches
		For networking computer peripherals without a patch panel: computers, printers, servers, etc. Possibility of extending an existing network by simply replacing an RJ 45 socket Tool-free connection Conform with standards IEEE 802.3 (Ethernet) and EN 500 81/82-2 (EMC requirements) Installation in all supports with minimum 40 mm depth 6 ports at the front + 1 side RJ 45 connector for cabling and carrying out link tests Port status display integrated into the RJ 45 connectors Labelling of each port from 1 to 6 and marker holder for switch identification 6 modules
		Non manageable 230 V supply - Mosaic Programme
1	0 779 00	○ White
		Non manageable PoE supply (802-3 af) supply - Mosaic Programme
1	0 779 01	○ White
		Non manageable 230 V supply - Arteor
1	5 720 83	○ White
		Non manageable PoE supply (802-3 af) supply - Arteor
1	5 728 84	● Magnesium
		Power over Ethernet (PoE) injectors Midspan
1	0 335 01	4 inputs/outputs Supply 4 Wi-Fi access points Attach directly to the patch panel conform with standard IEEE 802.3 af
1	0 327 37	1 input/1 output
		Mosaic VDI distribution block without connectors
1	0 332 80	16 modules Dimensions: 135 x 223 x 57 mm For small patch panel For mounting a Mosaic switch Cat.Nos 0 779 00/01/20

The right system to meet your needs

A wide range of technologies (HD15, HDMI, DISPLAY PORT, RCA, JACK) to suit the location and the user requirements



■ Female HD15 preterminated socket



■ Audio socket



■ HD15 + 3.5 mm jack amplifier



■ Audio/video 19" patch panel

- **Quick installation**
- **Easy connection**
- **Optimum performance**


0 787 77


0 787 78


0 787 70


0 787 99

Female HD15 sockets

Used to transmit analog video streams (VGA, XGA, UXGA depending on graphic card) between a source (computer) and a compatible receiver (video projector, TV,...)

Preterminated sockets - 1 module
Equipped with cord, length 15 cm

Pack	Mosaic	Arteor
1	0 787 77	5 720 97
1	0 793 77	
1		5 725 97


○ White
Alu
Magnesium

Screw-type female HD15 sockets 2 modules

Pack	Mosaic	Arteor
1	0 787 57	5 722 82
1	0 792 57	
1		5 727 82


○ White
Alu
Magnesium

Screw-type female HD15 sockets 2 modules + 3.5 mm jack

Pack	Mosaic	Arteor
1	0 787 74	5 722 88
1		5 727 88


○ White
Magnesium

Solder-type female HD15 sockets 1 module
15 pin

Pack	Mosaic	Arteor
1	0 787 72	5 722 79
1		5 727 79


○ White
Magnesium

HDMI type A sockets

Used to transmit high-definition digital audio/video streams between a source (computer, HD-DVD drive,...) and a compatible receiver (TV, videoprojector,...)

Preterminated sockets HDMI 1.4 - 1 module
Equipped with cord, length 15 cm

Pack	Mosaic	Arteor
1	0 787 78	5 720 96
1	0 793 78	
1		5 725 96


○ White
Alu
Magnesium

Screw-type sockets HDMI 1.3 - 2 modules

Pack	Mosaic	Arteor
1	0 787 68	5 722 81
1	0 792 75	
1		5 727 81


○ White
Alu
Magnesium

Jack sockets 3.5 mm

3.5 mm jack connectors can be used to create audio/video links

Preterminated sockets - 1 module
Equipped with cord, length 15 cm

Pack	Mosaic	Arteor
1	0 787 79	5 720 91
1	0 793 79	
1		5 725 91


○ White
Alu
Magnesium

4 screw-type female 3.5 mm jack socket - 1 module

Pack	Mosaic	Arteor
1	0 787 64	5 722 74
1	0 792 64	
1		5 727 74


○ White
Alu
Magnesium

Solder-type female 3.5 mm jack socket - 1 module

Pack	Mosaic	Arteor
1	0 787 73	5 722 78
1		5 727 78

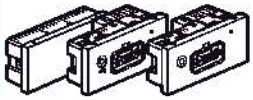

○ White
Magnesium

HD15 + 3.5 mm Jack amplifier

Used to connect audio/video terminals more than
20 m apart up to 100 m
The video link is via an HD15 connector (resolution up to UXGA)
The stereo audio link is via a 3.5 mm jack
The kit includes:
- One 4-module transmitter equipped with an HD15 connector and a 3.5 mm jack
- One 4-module receiver equipped with an HD15 connector and a 3.5 mm jack
- One 4-module power supply to be connected on the mains then linked to the receiver or transmitter

The link between the transmitter and receiver is via a network cord RJ 45/RJ 45

Pack	Mosaic	Arteor
1	0 787 70	5 723 70


○ White

Videoprojector switch

Universal remote switch allowing to turn ON or place in STANDBY mode a video projector
Works with all videoprojectors or TV through IR learning process
Installed close to the room's lighting switches, it replaces the constructors remote and fosters the ignition and extinction of the video projector therefore reducing energy consumption and extending the bulb's lifetime

Pack	Mosaic	Arteor
1	0 787 99	5 720 89


○ White

Display port sockets

Used to transmit high-definition digital audio/video streams between a source (laptop, computer, etc) and a compatible receiver (videoprojector, TV,...)

Preterminated socket - 1 module
Equipped with cord, length 15 cm

Pack	Mosaic	Arteor
1	0 787 91	5 720 90
1		5 725 90


○ White
Magnesium

Patch panels, cables and cords,
See p. 696



Audio/video system

audio/video sockets (continued)


0 787 52



0 787 71


0 792 55


0 787 60


0 787 50


0 787 76

Female 1 RCA socket

Provides the composite video link for any peripheral device such as a DVD drive, camera, video recorder, etc
1 module

Pack	Mosaic	
1	0 787 52	○ White

Female 2 RCA sockets

Provide the stereo audio link for any peripheral device such as a DVD drive, camera, video recorder
1 module

Preterminated
Equipped with a 15 cm cord

Pack	Mosaic	Arteor	
1	0 787 47	5 720 92	○ White
1		5 725 92	● Magnesium

Connection via screw terminals

Pack	Mosaic	Arteor	
1	0 787 53	5 722 72	○ White
1		5 727 72	● Magnesium

Female 3 RCA sockets

Provide the composite video and stereo audio links for any peripheral device such as a DVD drive, camera, video recorder, videoconferencing, etc
1 module

Preterminated
Equipped with a 15 cm cord

Pack	Mosaic	Arteor	
1		5 720 93	○ White
1		5 725 93	● Magnesium

Connection via screw terminals

Pack	Mosaic	Arteor	
1	0 787 54	5 722 73	○ White
1	0 792 54		● Alu
1		5 727 73	● Magnesium

Other audio and video sockets

DVI-I socket - 2 modules
Used to transmit high-definition digital video streams between a source (computer) and a compatible receiver (TV, videoprojector,...)

Pack	Mosaic	Arteor	
1	0 787 71		○ White

Female BNC 75 socket - 1 module
Provides the composite video link for any peripheral device such as a DVD drive, camera, video recorder, etc

Pack	Mosaic	Arteor	
1	0 787 58	5 722 76	○ White
1		5 727 76	● Magnesium

Audio sockets

XLR 3-pin - 2 modules
Provides the stereo link for microphone, amplifier, mixing console, etc.
Recommended cable: 1 audio pair 0.14 mm² to 0.5 mm² shielded
Max. cable length: 50 m (without amplifier)

Pack	Mosaic	Arteor	
1	0 787 55	5 722 83	○ White - Fast screw connection female
1	0 792 55		● Alu - Fast screw connection female
1		5 727 83	● Magnesium - Fast screw connection female
1	0 787 56	5 722 77	○ White - Fast screw connection male
1		5 727 77	● Magnesium - Fast screw connection male

4-pole Speakon - 2 modules
Used to connect power enclosures
Recommended cable: 2 audio pairs 4 mm²
Max. cable length: 50 m (without amplifier)

Pack	Mosaic	Arteor	
1	0 787 60		○ White

Loudspeakers sockets
Terminal 4 mm²

Pack	Mosaic	Arteor	
10	0 787 51	5 722 80	○ White - 2 modules
10		5 727 80	● Magnesium - 2 modules
10	0 787 50	5 722 70	○ White - 1 module
10	0 792 50		● Alu - 1 module
10		5 727 70	● Magnesium - 1 module

100 V Line Volume Attenuators - 2 modules
Allow to adjust power and volume of a 100 V loudspeaker line

Pack	Mosaic	Arteor	
1	0 787 76	5 722 84	○ White - 100 V - 25 W
1		5 727 84	● Magnesium - 100 V - 25 W



0 335 98



0 335 96



0 335 97



0 335 99



0 517 23



0 517 24

Pack	Cat.Nos	19" patch panels
		Used to distribute the audio/video signal Equipped with marked connectors 19" female 1 U metal panels
1	0 335 98	HD15 19" panel - 12 connectors
1	0 335 97	HDMI 19" panel - 16 connectors
1	0 335 96	XLR 19" panel - 16 connectors
1	0 335 99	SUBD9 19" panel - 12 connectors

Pack	Cat.Nos	Cords
		For connecting a socket to a terminal
1	0 517 23	**HD15 cord** Length 10 m For connecting an HD15 socket to a video terminal (PC, video projector, etc.)
1	0 517 22	**HD15 cord + 3.5 mm jack** Length 2 m For connecting an HD15 video socket and a 3.5 mm audio jack to a terminal (PC, video projector)
		HDMI 1.4 cord For connecting an HDMI socket to an audio/video terminal (plasma screen, DVD player, home cinema, games console, etc.) For use over a distance of more than 10 m, use the HDMI booster Cat.No 0 779 30
1	0 517 26	Length 1.5 m
1	0 517 27	Length 5 m
1	0 517 20	Length 10 m
1	0 779 30	**HDMI booster** Used to extend an HDMI connection Consists of 2 female connectors and used as an addition to the HDMI cord (for example cord Cat.No 0 517 20) Does not need external power supply
1	0 517 24	**XLR cord** Length 10 m For connecting an XLR socket to an audio peripheral (microphone, amplifier, etc.)
1	0 517 25	**9-way SUB-D cord** Length 10 m For RS 232 serial connection (printer, machine screen, etc.)

Pack	Cat.Nos	Cables
		For connecting 2 sockets a long distance apart
1	0 327 81	**VGA cables** Length 20 m For full pin connection of HD15 sockets over distances of up to 20 m
1	0 327 80	**HDMI cables** Length 20 m For connecting HDMI sockets over distances of up to 10 m

Freestanding cabinets,
See p. 698



Audio/video system

kits







0 787 97



0 789 09



0 789 10

Technical information **see e-catalogue**

Pack	Cat.Nos	HD15 video kit
1	Mosaic 0 787 97 | Arteor 5 720 24	Up to 15 m Ideal for classrooms and small meeting rooms Used to transmit analogue video streams (VGA, XGA, UXGA depending on graphic card) between a source (computer) and a compatible receiver (video projector, TV) over a length of 15 m The video link is via an HD15 connector. The kit includes: - 2 female HD15 preterminated sockets 1 module - 1 HD15 cord length 15 m - 1 video projector switch (2 modules) and 1 push-button (2 modules) with supports and plates ○ White
1	Mosaic 0 787 98 | Arteor 5 720 25	**Audio/video HD15+3.5 mm Jack amplifier kit** Up to 100 m Ideal for large meeting rooms Used to transmit audio and analogue video streams (VGA, XGA, UXGA depending on graphic card) between a source (computer) and a compatible receiver (video projector, TV) over a length (up to 100 m) The video link is via an HD15 connector and the stereo audio link is via a 3.5 mm Jack The link between the transmitter and receiver is via RJ 45 patch cord (not included) The kit includes: - 1 transmitter HD15+3.5 mm Jack - 4 modules - 1 receiver HD15+3.5 mm Jack - 4 modules - 1 power supply- 4 modules - 2 HD15+3.5 mm cord length 2 m - 1 video projector switch (2 modules) and 1 push-button (2 modules) with supports and plates ○ White

Pack	Cat.Nos	Audio/video multi-participant transmitter HD15+3.5 mm Jack
1	Mosaic 0 789 09 | Arteor 5 720 26	Allows the different participants in a meeting room to broadcast a presentation on their PC by pressing the shutter button control without disconnecting the cable from the projector Must be associated with other transmitters and one receiver Can be installed in pop-up, desktop multi-outlet extensions and DLP trunking The video link is via an HD15 connector and the stereo audio link is via a 3.5 mm Jack HD15+3.5 mm Jack cord length 2 m included for connection to a PC Transmitters are connected by RJ 45 patch cord (not included) ○ White - 4 modules
1	Mosaic 0 789 10 | Arteor 5 720 27	**Audio/video multi-participant receiver HD15+3.5 mm Jack** Receives commands from the audio/video multi-participant transmitter Can be installed in pop-up, desktop multi-outlet extensions and DLP trunking The video link is via an HD15 connector and the stereo audio link is via 3.5 mm Jack HD15 + 3.5 mm Jack cord length 2 m included for connection to a video projector Must be associated with the first transmitter by a RJ 45 patch cord (not included) ○ White - 2 x 4 modules

Legrand cabling system LCS² enclosures

LCS² 19" cabling freestanding cabinets



0 463 41



0 463 34 + 1 cabinet 0 463 18
+ 1 extension cabinet 0 463 30

Technical characteristics **p. 717 to 719**

IP 20 - IK 08 baying cabinets with single or double curved front door made of screen-printed safety glass. Side and rear removable panels Panels with automatic equipotential connection. Lock with 2433 A key for locking of the 4 sides. Top and bottom cable entries (19" cut-out format) receive 19" plates with brushes, fans, etc
Equipped with 4 x 19" uprights with U marking and depth adjusting aid
Option of cable and patch cord management in cabling unit
Cat.Nos 0 463 34/35. Cabinets can be dismantled completely where access is difficult. Levelling feet adjustable from the inside. Loading capacity: 420 Kg. Charcoal grey RAL 7016

LCS² 19" cabling cabinets

Single front door
Reversible door

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)
1	0 463 00	24 U	1226	600	600
1	0 463 06	29 U	1448	600	600
1	0 463 12	33 U	1626	600	600
1	0 463 18	42 U	2026	600	600
1	0 463 19	42 U	2026	600	800
1	0 463 21	42 U	2026	800	600
1	0 463 22	42 U	2026	800	800
1	0 463 23	42 U	2026	800	1000
1	0 463 28	47 U	2248	800	800
1	0 463 29	47 U	2248	800	1000

Double front door
Door opening suitable for small spaces

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)
1	0 463 41	42 U	2026	800	600
1	0 463 42	42 U	2026	800	800
1	0 463 43	42 U	2026	800	1000

LCS² 19" extension cabinet

Single front door. No side panels
Supplied with baying kit

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)
1	0 463 30	42 U	2026	600	600
1	0 463 33	42 U	2026	800	800

LCS² baying kits

For direct linking 2 LCS² cabinets
For cabinet depth (mm):

Pack	Cat.Nos	
1	0 463 37	600
1	0 463 38	800
1	0 463 39	1000

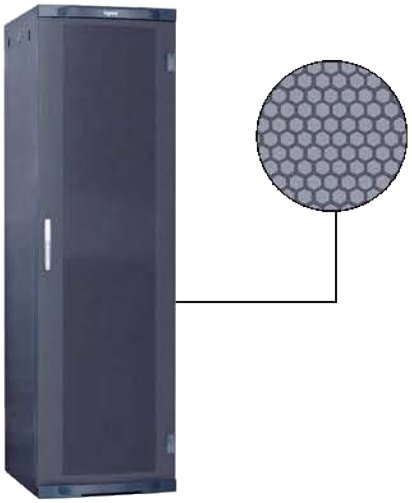
LCS² cabling units

Can be attached between 2 LCS² 42 U cabinets
Easier cable and patch cord management
Width 250 mm
Supplied with earthing kit
Charcoal grey RAL 7016
For cabinet depth (mm):

Pack	Cat.Nos	
1	0 463 34	600
1	0 463 35	800

Legrand cabling system LCS² enclosures

LCS² 19" server freestanding cabinets and accessories



0 463 85

Technical characteristics **p. 717 to 719**

IP 20 - IK 08
Baying cabinets with front and rear metal microperforated door (80 %), reversibles, can be opened without key
Front door can be fitted with a DIN European cylinder (30 + 10 mm), with option of fitting a handle Cat.No 0 347 71/72 (p. 260)
Rear door can be fitted with a key barrel Cat.Nos 0 368 22/23/24/25/26/27
Removable side panels
Top cable entries in 19" cut-out format, capable of taking 19" plates with brushes, fans, etc.
Open bottom cable entries
Equipped with 4 x 19" uprights with depth adjusting aid
Levelling feet adjustable from the inside
Cabinets can be dismantled completely where access is difficult
Supplied with earthing kit
Loading capacity: 630 Kg
Charcoal grey RAL 7016

LCS² 19" server cabinets

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)
1	0 463 85	42 U	2026	600	1000
1	0 463 86	42 U	2026	800	1000

LCS² baying kit

For direct linking 2 LCS² cabinets
For cabinets depth (mm):

Pack	Cat.Nos	
1	0 463 39	1000

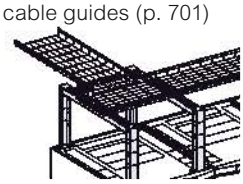
Accessories for LCS² 19" server cabinets

Set of 4 castor wheels

Pack	Cat.Nos	
1	0 464 82	Set of 4 pivoting castors, 2 of which have brakes Load on the 4 wheels: 500 kg

Cable trays
Fast screw-free assembly of cable guides (p. 701)

Pack	Cat.Nos	
1	0 464 78	For width 600/800 mm Fitted between 2 supports Cat.No 0 464 79
1	0 464 79	For depth 1000 mm Pre-cut every 100 mm for height 500 to 200 mm



Plinths, cable entry plates, thermal management, cable management and other accessories,
p. 700-701

LCS² 19" equipment
p. 702

1200 mm deep LCS² server cabinet
please consult us

Customised

LCS² 19" freestanding cabinets

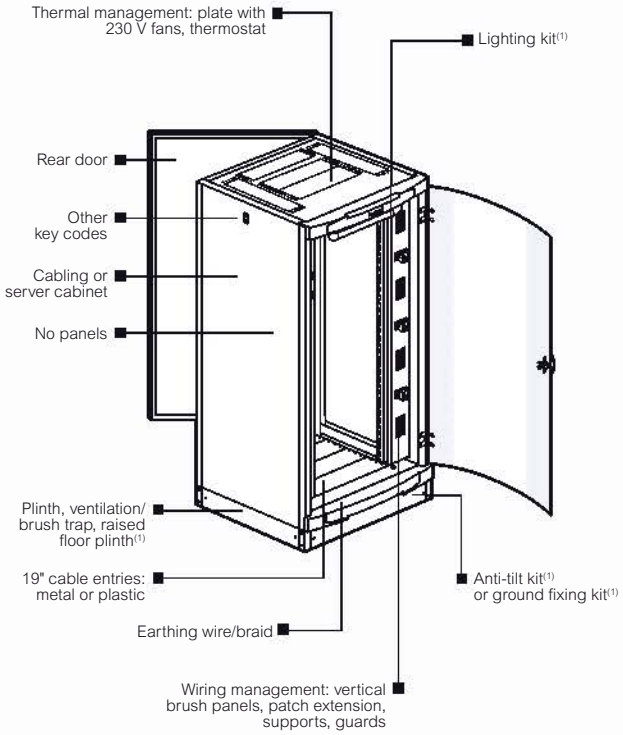


LCS² 19" FREESTANDING CABINETS

40 SIZES

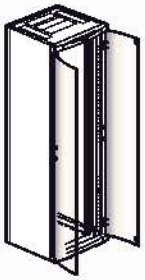
Capacity	24 U	29 U	33 U	42 U	47 U
Width	600 or 800 mm				
Depth	600, 800, 1000 or 1200 mm				

CABINET DEFINITION

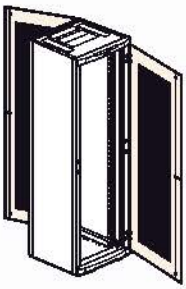


1 : Supplied ready for assembly

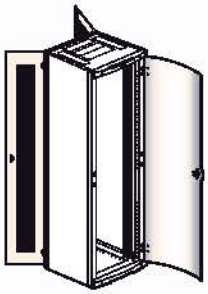
Option of solid or microperforated metal doors, screen-printed glass doors, double doors or no doors



Cabinet fitted with screen-printed glass double door at the front (42 U/47 U; width 800 mm)



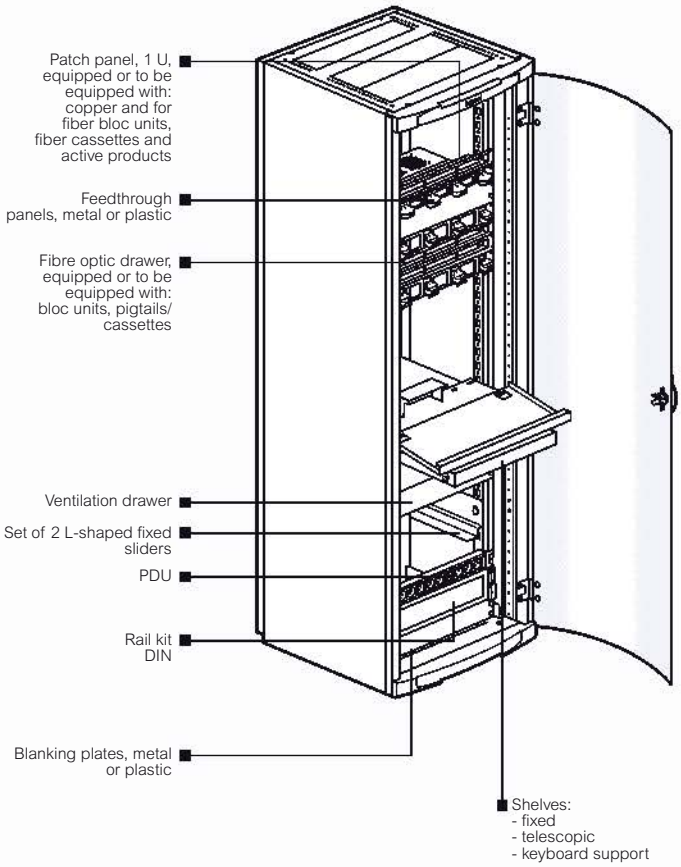
Cabinet fitted with microperforated metal doors at the front and rear (opening to the left)



Cabinet fitted with microperforated metal double rear door and screen-printed glass front door

LCS² 19" FREESTANDING CABINETS (CONTINUED)

19" EQUIPMENT ASSEMBLY



COLOURS



180 RAL colours available.
Optional touch-up brush in the selected RAL

OUR COMMITMENT

Request a quotation from our technical team

LCS² 19" cabinets and server cabinets

plinths and adjustable height plinths

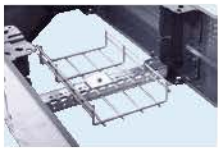


Kit 0 464 52 comprising 4 corner blocks and solid traps at front/rear



0 464 61

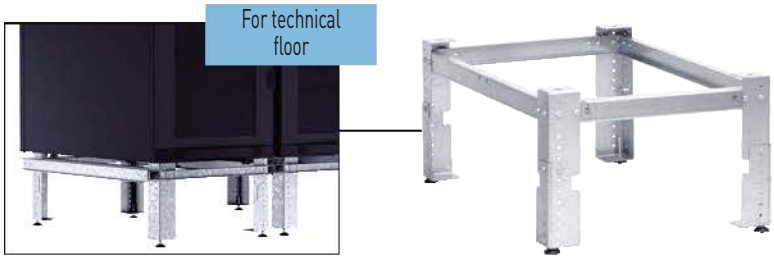
0 464 63



Cross Bar 0 476 93 with cable guide



0 464 66



0 464 32

Technical characteristics **p. 718-719**

Pack	Cat.Nos	
		Plinths for cabinets
		Metal. Open on 4 sides Anthracite grey RAL 7016
		Plinth kits Consisting of 4 corner blocks and solid front/rear traps height 100 mm Side traps to be ordered separately
	Height 100 | Height 200	For cabinet width (mm):
1	0 464 50 | 0 464 52	600
1	0 464 51 | 0 464 53	800
		Sets of 2 solid side traps Trap height 100 mm Order 2 sets for a plinth height of 200 mm (Cat.No 0 464 52/53) For cabinet depth (mm):
1	0 464 54	600
1	0 464 56	800
1	0 464 58	1000
		Ventilated traps 1 trap height 100 mm For cabinet width/depth (mm):
1	0 464 60	600
1	0 464 61	800
		Traps with brushes 1 trap height 100 mm For cabinet width/depth (mm):
1	0 464 62	600
1	0 464 63	800
		Plinth for cabling units
1	0 464 64	For mounting between the plinths of the associated cabinets Trap height 100 mm Double the number of traps for a height of 200 mm Anthracite grey RAL 7016
		Cross bars
		Fixed between 2 cabinet plinth corner blocks For clamping cables between associated cabinets and fixing a cable guide (p. 701) For cabinet depth (mm):
1	0 476 93	600
1	0 476 94	800
1	0 476 95	1000

Pack	Cat.Nos	
		Linking interface
		Make junction between cabinet plinth and cable tray to protect cables Supplied with weatherproof brush Reversible cover with cut-outs providing a high-quality finish Height 200 mm. Anthracite grey RAL 7016
1	0 464 66	For cabinet depth 600 mm
		Adjustable height plinths for raised access floors
		Transfer the load of the cabinet directly to the ground Height adjustable from 200 to 350 mm in 25 mm steps to adapt to different floor heights Levelling feet for fine adjustment For floor tiles 30 or 38 mm thick Permissible load: 1000 kg
		Adjustable height plinths Front and rear floor tile supports included For cabinet width/depth (mm):
1	0 464 30	600 x 600
1	0 464 31	600 x 800
1	0 464 32	600 x 1000
1	0 464 34	800 x 600
1	0 464 35	800 x 800
1	0 464 36	800 x 1000
		Set of 2 tile support brackets Fix onto adjustable height plinths to support the side tiles For plinths depth (mm):
1	0 464 38	600
1	0 464 39	800
1	0 464 40	1000

Adjustable height plinth, depth 1200 mm
please consult us

LCS² 19" cabinets and server cabinets

cable entries, thermal management and PDU supports



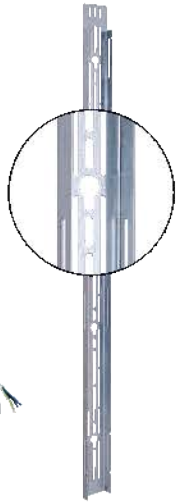
0 465 29



0 465 31



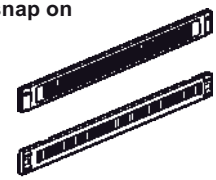
0 464 87



0 465 75

Technical characteristics **p. 719-720**

Pack	Cat.Nos	19" cable entry plates
		Black RAL 9005
		Plastic plates with brushes, snap on
1	0 465 28	1 U
1	0 465 29	2 U
		Metal plates with brush
1	0 465 30	1 U
1	0 465 31	2 U



Pack	Cat.Nos	Thermal management
		Plates with fans 3 U
		Fix onto the 19" cable entries
		2.5 m power supply cable. 230 V∿
		Anthracite grey RAL 7016
1	0 464 87	2 fans
1	0 464 88	3 fans



		1 U ventilation drawers
		For internal air circulation. Fix on 2 x 19" uprights
		ON/OFF switch. Supplied with power supply cord
		230 V∿. Black RAL 9005
1	0 464 89	Drawer with 2 fans
		Depth 150 mm
1	0 464 90	Drawer with 4 fans
		Depth 300 mm

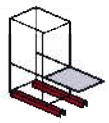


		Thermostat
1	0 348 48	Adjustable from 5 to 60°C, 230 V∿, 50/60 Hz
		NC contact (5 A) and NO contact (10 A)
		Magnetic mounting

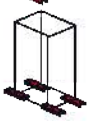


Pack	Cat.Nos	PDU supports
		Vertical support for fixing to the rear of 19" LCS² cabinets and server cabinets (see p. 725). For mounting 19" PDU vertically and vertical PDU
1	0 465 75	For 42 U cabinets
1	0 465 76	For 47 U cabinets

Pack	Cat.Nos	Accessories
		Anti-tilt kit
1	0 464 84	Stabilises a cabinet when heavy items installed on telescopic equipment are being removed



		Floor fixing kit
1	0 464 86	Used for permanently fixing a cabinet to the ground by locking the levelling feet



		Casters
1	0 464 83	Set of 4 pivoting casters
		Total permissible load on the 4 casters: 380 kg

LCS² 19" cabinets and server cabinets

cable management, patch extension



0 331 35



0 464 80

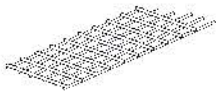


0 464 81

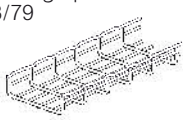
Pack	Cat.Nos	Cable and cord management
		Set of 3 cable management supports
		Fix on structure
		Quick, screw-free mounting of cable guides
1	0 464 72	For cabinets width/depth 600 mm
1	0 464 73	For cabinets width/depth 800 mm
1	0 464 74	For cabinets depth 1000 mm



		Flat cable guides
		Quick, screw-free mounting on cable management supports
		Width 250 mm
1	0 464 76	For 33 U cabinet
1	0 464 77	For 42 U cabinets



		U-shaped cable guides
		For creating a cable tray
		Used with cross bars
		Cat. No 0 476 93/94/95 in a 200 mm high plinth on associated cabinets, and 0 464 78/79 supports on server cabinets
		Height 54 mm - Length 3 m
1	0 464 69	Width 200 mm
1	0 464 70	Width 400 mm



		Vertical cable management grille
		For 42 U cabinets - width 800 mm
		Fixes onto 19" uprights
1	0 331 35	Grille with articulated bolts
		1560 x 100 x 150 mm
		Vertical cable manager
		For 42 U cabinets - width 800 mm
		Fixes onto 19" uprights
1	0 464 80	Set of 2 vertical panels with brush feedthroughs
		Supplied with 10 cable guide rings Cat.No 0 465 42, 3 cable ties Cat.No 0 331 94, 3 cable ties Cat.No 0 331 95 and 3 cable ties Cat.No 0 331 96
		Black RAL 9005

Pack	Cat.Nos	Patch extension
		For 42 U cabinets - width 800 mm
		Fixes onto 19" uprights
1	0 464 81	Set of 2 uprights for increasing the capacity of the cabinet by 12 U, for mounting 19" equipment vertically (feedthrough panels, 19" PDU, etc.)
		Supplied with 8 cable guide rings Cat.No 0 465 42
		Black RAL 9005

Cable ties, document holders
p. 713


0 465 01


0 465 22


0 465 23


0 465 06

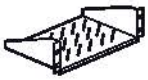

465 29

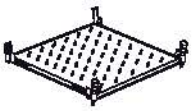

0 465 32

Technical characteristics **p. 719**

Fixed shelves

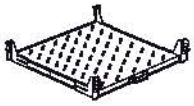
Pack	Cat.Nos	
		For cabinets and server cabinets Quick, screw-free mounting. Black RAL 9005
		Projecting mounting on 2 x 19" uprights Height 2 U. Max. load: 15 kg
1	0 465 00	Depth 115 mm
1	0 465 01	Depth 200 mm
1	0 465 02	Depth 360 mm
		Fixing on 4 x 19" uprights Height 1 U. Max. load: 50 kg
1	0 465 05	Shelf depth 425 mm For depth 600 mm
1	0 465 06	Shelf depth 625 mm For depth 800 mm
1	0 465 07	Shelf depth 825 mm For depth 1000 mm





Telescopic shelves

Pack	Cat.Nos	
		For cabinets and server cabinets Quick fixing on 4 x 19" uprights Height 1 U. Max. load: 50 kg. Black RAL 9005
1	0 465 08	Shelf depth 425 mm For depth 600 mm
1	0 465 09	Shelf depth 625 mm For depth 800 mm
1	0 465 10	Shelf depth 625 mm For depth 1000 mm



Shelves for heavy items

Pack	Cat.Nos	
		Max. load: 100 kg For cabinets depth 1000 mm (server cabinet only for telescopic shelf) Screw fixing on 4 x 19" uprights. Black RAL 9005
1	0 465 17	Fixed shelf depth 820 mm, 1 U
1	0 465 18	Telescopic shelf depth 820 mm, 2 U



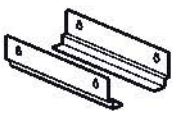
Keyboard support shelf

Pack	Cat.Nos	
		For cabinets and server cabinets For depth 800 mm and 1000 mm Screw fixing on 4 x 19" uprights Max. load: 50 kg. Black RAL 9005
1	0 465 19	Can take: - a computer screen - a keyboard on the retractable support - a mouse on a sliding shelf with integrated mat Area for mouse or CD



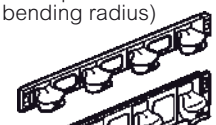
Sets of 2 fixed sliders

Pack	Cat.Nos	
		For cabinets and server cabinets Fixing on 4 x 19" uprights Max. load: 50 kg
1	0 465 11	For depth 600 mm
1	0 465 12	For depth 800 mm
1	0 465 13	For depth 1000 mm



19" management panels

Pack	Cat.Nos	
		For organisation and circulation of patch cords Black RAL 9005
		Metal 2 axes, quick-fixing Horizontal and through run. Fitted with plastic cable guide rings radiating out for optimum protection of the cords (compliance with the bending radius) Quick, screw-free fixing
1	0 465 22[1]	1 U
1	0 465 23[1]	2 U
		Plastic with brushes, snap on
1	0 465 28[2]	1 U
1	0 465 29[2]	2 U
		Metal with brushes, quick-fixing Quick, screw-free fixing
1	0 465 30[1]	1 U
1	0 465 31[1]	2 U









19" blanking plates

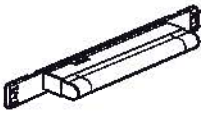
Pack	Cat.Nos	
		Black RAL 9005
		Plastic, snap on
1	0 465 32[2]	1 U
1	0 465 33[2]	2 U
		Metal, quick-fixing Quick, screw-free fixing
1	0 465 38[1]	1 U
1	0 465 39[1]	2 U
1	0 465 40[1]	3 U





19" lighting kit

Pack	Cat.Nos	
		19" metal panel with a lighting kit with switch Quick, screw-free fixing Supplied with 230 V∿ - 8 W fluorescent tube
1	0 464 85[1]	1 U



Fixing screws

Pack	Cat.Nos	
		Set of 50 cage nuts, 50 plastic washers and 50 x M6 screws
1	0 364 53	With 8.5 mm cage nuts
1	0 364 54	With 9.5 mm cage nuts

1: Can be mounted on 19" racks with screws Cat.No 0 464 23 (see opposite)
2: Not for mounting on 19" racks

LCS² 19" freestanding cabinets **p. 698**
LCS² 19" wall-mounting cabinets **p. 704**
Cable ties **p. 713**

Legrand cabling system

19" racks and accessories



0 464 06



0 464 25



0 464 27



0 464 06 + 0 464 27 + 0 464 26 + 0 464 18 + 0 465 70
with LCS² patch panels and cords

Technical characteristics **p. 720-721**

Pack	Cat.Nos	19" racks
		Racks for high-density cabling (e.g. SANs, main distributors, etc.) Channel type 19" uprights for guiding and fixing cables, with U marking and tapped holes for fixing 19" equipment. Roofing for right-left cord routing that complies with the bending radiuses Receive 19" LCS² metal management panels, 19" power distribution units and the LCS² 19" DIN rail kit fastened by screws Cat.No 0 464 23 (1 set of 50 supplied with the rack) Supplied with straps with hook and loop type closure Aluminium structure to be assembled Loading capacity: 675 kg Racks joined using grids Cat.Nos 0 464 25/26/27 Black

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)	Depth of uprights (mm)
1	0 464 06	45 U	2185	604	521	267
1	0 464 07	45 U	2185	604	667	413

Pack	Cat.Nos	Cord management grids
		To be mounted between 2 joined racks or on an isolated rack The grid creates a 63 mm space between 2 joined racks for running cables and cords to the front and rear Capacity: 200 cat. 6 cords Black
1	0 464 25	Grid with hinged closing latches 1965 mm x 153 mm x 156 mm

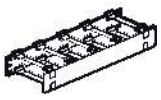
Pack	Cat.Nos	Cord management grids with door
		Easily removable door that opens in both directions To be mounted between 2 joined racks or on an isolated rack (Cat.No 0 464 26 only) The grids create a space between 2 joined racks (63 mm for Cat.No 0 464 26, 165 mm for Cat.No 0 464 27) for running of cables and cords to the front and rear Side cord channels every 1 U Capacity: 200 cat. 6 cords for Cat.No 0 464 26, 580 cords for Cat.No 0 464 27 Supplied with 12 bend limiting clips and 4 coiling supports Black
1	0 464 26	1970 mm x 165 mm x 204 mm
1	0 464 27	1970 mm x 267 mm x 331 mm

Pack	Cat.Nos	Cable tray supports
		To be fitted in the depth of the rack to support high cable trays Cat.Nos 0 464 69/70 (p. 701)
1	0 464 18	For rack Cat.No 0 464 06
1	0 464 19	For rack Cat.No 0 464 07



Pack	Cat.Nos	Lower finishing plates
		Metal plates provide the finishing of the lower part of the rack and protection against dust. The sides of the plates can be folded easily for direct insertion of cables in the 19" upright channel.
1	0 464 15	For rack Cat.No 0 464 06
1	0 464 16	For rack Cat.No 0 464 07

Pack	Cat.Nos	19" cord management panels
		1 axis closed panels with pivoting cover 172 mm depth Noir
1	0 465 70	1 U
1	0 465 71	2 U



Pack	Cat.Nos	19" equipment screws
1	0 464 23	Set of 50 special screws for 19" racks and 25 earthing claws

19" metal panels, Power Distribution Units, DIN rail kit
p. 702, 706

Legrand cabling system LCS² enclosures

LCS² 19" wall-mounting cabinets and accessories



0 462 01



0 462 11



Pivoting cabiinet 0 462 11



0 465 01

Technical characteristics **p. 722-723**

IP 20 - IK 08
With reversible curved print screen glass safety door
Pivoting side panels, tool-free removal from inside
Lock closure with key 2433 A
Equipped with 2 x 19" uprights with depth adjusting aid
Supplied with earthing kit
Top and bottom grilles for natural ventilation, capable of taking a fan in the high part
Charcoal grey RAL 7016

Fixed LCS² 19" cabinets

Easier cable management: ability to fix cable guide connecting rings Cat.Nos 0 465 41/42 and cable ties (p. 713)
DLP format cable entries at the top and bottom, bendable, with ability to attach cables using cable ties
Rear pre-cut cable entries

Cabinet depth 400 mm

Pack	Cat.Nos	Capacity	Width (mm)	Height (mm)	Load capacity (kg)
1	0 462 00	6 U	600	350	18
1	0 462 01	9 U	600	500	27
1	0 462 02	12 U	600	600	36
1	0 462 03	16 U	600	800	48

Cabinet depth 580 mm

1	0 462 06	9 U	600	500	27
1	0 462 07	12 U	600	600	36
1	0 462 08	16 U	600	800	48
1	0 462 09	21 U	600	1000	63

Pivoting LCS² 19"cabinets

Cabinets composed of:
- base (wall-fixing)
- pivoting body allowing free access to the rear of the cabinet to facilitate installation and maintenance
Reversible pivoting direction
Full cable entry plate at top and bottom, a brush plate can be fitted Cat.No 0 462 55

Cabinet depth 600 mm

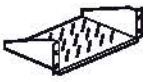
Pack	Cat.Nos	Capacity	Width (mm)	Height (mm)	Load capacity (kg)
1	0 462 11	9 U	600	500	27
1	0 462 12	12 U	600	600	36
1	0 462 13	16 U	600	800	48
1	0 462 14	21 U	600	1000	63

Fixed shelves

Quick fixing without screws
Heigh 2 U
Max. load 15 kg
Black RAL 9005

Quick fixing on 2 x 19" uprights

Pack	Cat.Nos	
1	0 465 00	Depth 115 mm. For cabinets depth 400, 580 and 600 mm
1	0 465 01	Depth 200 mm. For cabinets depth 400, 580 and 600 mm
1	0 465 02	Depth 360 mm. For cabinets depth 580 and 600 mm



Thermal management

Fan
2.5 m power supply cable

1	0 462 60	230 V~ fan

Thermostat

1	0 348 48	Adjustable from 5 to 60 °C, 230 V~, 50/60 Hz NO contact (10A) and NC contact (5 A) Fixed by magnet



Cable entry

1	0 462 55	Cable entry plate with brush For pivoting cabinets

Cable management rings

Direct clipping on front structural uprights of 9 U to 21 U fixed cabinets (Cat.No 0 465 41 only) and on central upright of 580 mm depth cabinets

4	0 465 41	1 U, plastic. Useable section 1890 mm²
4	0 465 42	2 U, plastic. Useable section 4070 mm²



Accessories

1	0 462 64	Set of 4 caster wheels for assembly on pivoting cabinets Total load permissible on the 4 casters: 120 kg

19" Power Distribution Units **p. 706**

LCS² 19" management panels **p. 702**



Legrand cabling system LCS² enclosures

LCS² 10" wall-mounting cabinet for small business



0 462 20



0 335 92



0 462 23



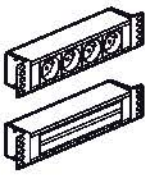
0 462 24

Technical characteristics **p. 722-723**

Pack	Cat.Nos	LCS² 10" cabinet				
		300 mm depth cabinet Compact cabinet suitable for small business applications up to 36 RJ 45 sockets IP 20 – IK 08 Equipped with: - 1 reservible curved door made of safety glass - 2 side panels removable from inside - key locking No 2433A - 2 depth-adjustable uprights - top and bottom cable entries to DLP trunking system format - pre-cut back cable entry - top and bottom perforations for natural ventilation Charcoal grey RAL 7016	Capacity	Width (mm)	Height (mm)	Load capacity (kg)
1	0 462 20		6 U	314	352	12

Pack	Cat.Nos	10" equipment
		Supplied with screws and cage nuts
1	0 335 92	**Modular empty panel** 10" panel - 1 U For up to 2 connector units or 2 fibre optic units (p. 669 and 685)
1	0 462 23	**Fixed shelf 1 U** Depth 120 mm max. load. 10 kg Black RAL 9005

Pack	Cat.Nos	PDU (Power Distribution Units)
		230 V~ Need 2 U space Supplied with screws and cage-nuts Black
1	0 462 24	4 x 2P+E French standard sockets
1	0 462 26	4 x 2P+E German standard sockets
1	0 462 25	To be equipped with Mosaic 2P+E sockets Capacity: 8 modules

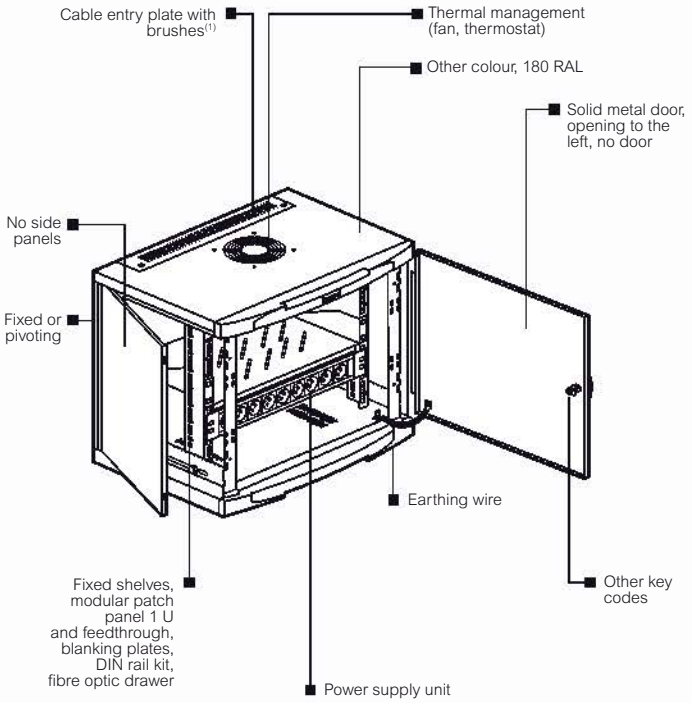


Customised

LCS² 19" wall-mounting cabinets



LCS² 19" WALL-MOUNTING CABINETS



1: Pivoting cabinets

OUR COMMITMENT

Request a quotation from our technical team


0 465 88


0 465 50


0 465 65


0 332 78


Kit 0 465 46 + 0 465 47

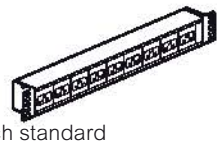
Technical characteristics **p. 724-725**

Vertical Power Distribution Units (PDU)

Pack	Cat.Nos	
		PDU with protection of each circuit by 16 A circuit breaker (equipped with cover for protection against accidental breaks) Mounting in LCS² cabling and server cabinet with mounting bracket Cat.Nos 0 465 75/76 (p. 701) Fixing centres: 1697 mm min - 1703 mm max H 1720 x W 55 x D 51/88(2) mm Supplied with screws
		Single phase 230 V 50/60 Hz power supply. PDU comprising 2 circuits. The total number of sockets is distributed equally between the 2 circuits Each circuit is identified by colour-coding
1	0 465 81	24 x C13 sockets. Connection on 4/6 mm² terminal block
1	0 465 84	16 x C13 sockets + 6 x C19 sockets 3 m power supply cord with IEC 60309 2P+E plug 16 A
1	0 465 80	24 x 2P+E sockets - French standard Connection on 4/6 mm² terminal block
1	0 465 88	24 x 2P+E sockets - German standard Connection on 4/6 mm² terminal block
1	0 465 89	22 x 2P+E sockets - British standard Connection on 4/6 mm² terminal block
		3-phase 380 V 50/60 Hz three-phase power supply 1 circuit per phase, each with 8 IEC 60320 C13 sockets and 1 IEC 60320 C19 socket
1	0 465 85	24 x C13 sockets + 3 x C19 sockets 3 m power supply cord with IEC 60309 2P+N+E plug 32 A

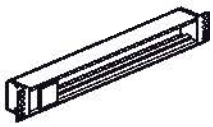
19" Power Distribution Units (PDU)

Pack	Cat.Nos	
		Power supply 230 V - 50/60 Hz. For fixing on 19" fixing centres. 180° reversible end piece Connection via 2.5 mm² terminal block Provide a 2 U space Supplied with screws
		PDU
1	0 465 51[1]	12 x IEC 60320 C13 sockets
1	0 465 52[1]	9 x IEC 60320 C19 sockets
1	0 465 50[1]	9 x 2P+E black sockets French standard
1	0 465 54[1]	6 x 2P+E black sockets - French standard
1	0 332 88[1]	6 x 2P+E white sockets - French standard With switch with indicator
1	0 332 37[1]	6 x 2P+E white sockets - French standard With 16 A circuit breaker
1	0 332 87[1]	6 x 2P+E tamperproof sockets for uninterruptible power supply (UPS) - French standard
1	0 465 60[1]	9 x 2P+E black sockets - German standard
1	0 465 62[1]	6 x 2P+E black sockets - German standard
1	0 332 38[1]	6 x 2P+E white sockets - German standard With 16 A circuit breaker
1	0 465 65[1]	6 x 2P+E black sockets - British standard
1	6 339 00[1]	5 x 2P+E white switch sockets - British standard



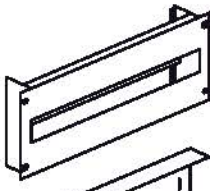
19" Power Distribution Units (PDU) (continued)

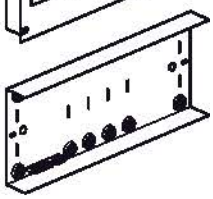
Pack	Cat.Nos	
		Power supply 230 V - 50/60 Hz For fixing on 19" fixing centres 180° reversible end piece Connection via 2.5 mm² terminal block Provide a 2 U space Supplied with screws
		PDU with voltage surge protector unit
1	0 332 78[1]	6 x 2P+E white sockets - French standard Provides protection against mains overvoltages while keeping sockets energised A red indicator indicates that the protection must be replaced by the surge protector module Cat.No 0 775 41 With switch with indicator
		PDU to be equipped
1	0 332 79[1]	Takes 16 Mosaic modules



Multi-application DIN rail kit

Pack	Cat.Nos	
		For mounting modular devices (circuit breakers, Legrand multimedia network components, etc) Capacity: 24 modules Height 4 U Screw fixing on 19" uprights
1	0 465 46[1]	DIN profile rail with front panel Supplied with blanking plates 24 modules Black RAL 9005
1	0 465 47	Rear cover Used with Cat.No 0 465 46 To be used for high current applications (greater than 50 V) Ensures IP XXB Supplied with terminal block (8 + 1 connections)





1: Can be mounted on 19" racks with screw Cat.No 0 464 23 (p. 703)
2: Overall depth at the circuit breaker slot

Metered PDU
see opposite



0 465 95

Technical characteristics **p. 724-725**

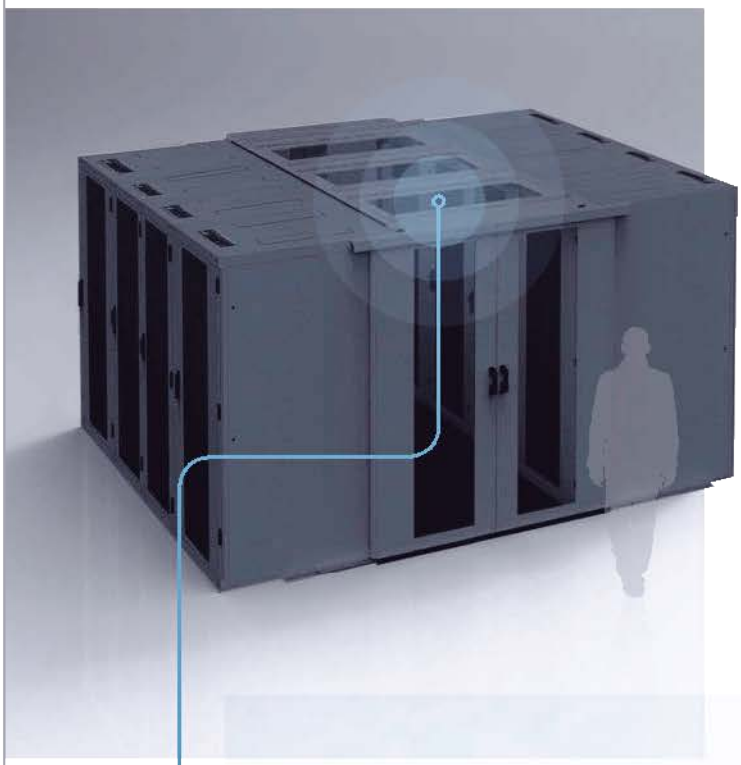
PDU equipped with a digital display ammeter
For supplying power to active products in 19'' cabinets
Measure consumption to provide better installation management: balancing circuits, displaying available capacity, preventing overloads and power failures
Measure total PDU current for single-phase version and current per phase for three-phase version

Pack	Cat.Nos	**19" PDU**
		For fixing on 19" fixing centres Connection on terminal block Height 1U Supplied with screws
1	0 465 90	6 x C13 sockets
		Vertical PDU
		Protection of each circuit by circuit breaker with a cover providing protection against accidental breaks Mounting in LCS² cabling and server cabinet with mounting bracket Cat.Nos 0 465 75/76 (p. 701) Supplied with screws
		Single phase Measurement of the total PDU current 230 V 50/60 Hz power supply PDU comprising 2 circuits with 10 IEC 60320 C13 sockets + 2 IEC 60320 C19 sockets Fixing centre: 1700 mm min. - 1735 mm max. H 1750 x W 62 x D 50/85(1) mm
1	0 465 93	20 x C13 sockets + 4 x C19 sockets Connection on 2.5 - 6 mm² terminal block
1	0 465 94	20 x C13 sockets + 4 x C19 sockets 3 m power supply cord with 32 A IEC 60309 2P+E plug
1	0 465 95	20 x C13 sockets + 4 x C19 sockets 3 m power supply cord with IEC 60320 C20 plug
		Three-phase Measurement per phase 380 V 50/60 Hz three-phase power supply 1 circuit per phase, each with 5 IEC 60320 C13 sockets + 1 IEC 60320 C19 socket Fixing centre: 1738 mm min. - 1772 mm max. H 1787 x W 62 x D 45/85(1) mm
1	0 465 96	15 x C13 sockets + 3 x C19 sockets 3 m power supply cord with 32 A IEC 60309 3P+N+E plug

1: Overall depth at the circuit breaker slot

Performance and reliability at the heart of the server room

Legrand is innovative and offers complete solutions to provide continuity of service and optimise the energy performance of your Data Center and server rooms.



DEDICATED SOLUTIONS SUCH AS:

- **High density fibre optic drawer**
- **Metered and smart PDU...**

For more information, please consult us

Linkeo 19" freestanding cabinets



6 463 72



6 464 03

Technical characteristics **p. 726-727**

Cabinets supplied in flatpack for compactness. IP 20 - IK 08 baying cabinets. Reversible front door with safety glass window. Removable side and rear panels. 4 sides locked with key lock. 19" uprights adjustable in depth. Pre-cut cable entries that can be fitted with brush cable entry Cat.No 6 464 28 (top and bottom). Cut-out at the top for fan kit. Equipped with levelling feet. Loading capacity: 400 kg. Supplied with earthing kit. Grey RAL 7035

Supplied as 1 part number

All the components of the cabinet are supplied in one pack. Stackable wooden case
Supplied with 2 x 19" uprights
Set of 2 additional 19" uprights Cat.Nos 6 463 40/41/42

Cabinets

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)
1	6 463 50	24 U	1226	600	600
1	6 463 54	24 U	1226	800	800
1	6 463 62	33 U	1626	600	600
1	6 463 66	33 U	1626	800	800
1	6 463 68	42 U	2026	600	600
1	6 463 69	42 U	2026	600	800
1	6 463 70	42 U	2026	600	1000
1	6 463 71	42 U	2026	800	600
1	6 463 72	42 U	2026	800	800
1	6 463 73	42 U	2026	800	1000

Extension cabinets

No side panels. Supplied with joining kit

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)
1	6 463 80	42 U	2026	600	600
1	6 463 83	42 U	2026	800	800

Supplied as 4 part numbers

Cabinets supplied in small and light packages for ease of handling. Cabinet split up into 4 part numbers

Roof-base

Roof and base of the cabinet
To mount with structural and 19" uprights

Pack	Cat.Nos	Width (mm)	Depth (mm)
1	6 464 50	600	600
1	6 464 51	600	800
1	6 464 52	600	1000
1	6 464 53	800	600
1	6 464 54	800	800
1	6 464 55	800	1000

Structural and 19" uprights

Set of 4 structural uprights and 2 x 19" uprights
Set of 2 additional 19" uprights, (if required)
Cat.Nos 6 463 40/41/42

Pack	Cat.Nos	
1	6 464 60	Height 24 U
1	6 464 62	Height 33 U
1	6 464 63	Height 42 U

Wall-mounting cabinets supplied in flatpack
p. 710

Ready-assembled version available,
Please consult us

Supplied as 4 part numbers (continued)

Cabinets supplied in small and light packages for ease of handling
Cabinet split up into 4 part numbers

Side panels

Set of 2 side panels

Pack	Cat.Nos	Capacity	Depth (mm)
1	6 464 65	24 U	600
1	6 464 66	24 U	800
1	6 464 71	33 U	600
1	6 464 72	33 U	800
1	6 464 74	42 U	600
1	6 464 75	42 U	800
1	6 464 76	42 U	1000

Front door and rear panel

Pack	Cat.Nos	Capacity	Width (mm)
1	6 464 80	24 U	600
1	6 464 81	24 U	800
1	6 464 84	33 U	600
1	6 464 85	33 U	800
1	6 464 86	42 U	600
1	6 464 87	42 U	800

Baying kits

Pack	Cat.Nos	
1	6 463 37	For joining 2 Linkeo 19" cabinets

19" uprights

Set of 2 additional 19" uprights

Pack	Cat.Nos	
1	6 463 40	24 U
1	6 463 41	33 U
1	6 463 42	42 U

Plinths

Metal plinths consisting of 4 corner blocks and 4 removable traps
Height 100 mm
Grey RAL 7035
For cabinets width x depth (mm):

Pack	Cat.Nos	
1	6 464 00	600 x 600
1	6 464 01	600 x 800 or 800 x 600
1	6 464 02	600 x 1000
1	6 464 03	800 x 800
1	6 464 04	800 x 1000

Castors

Pack	Cat.Nos	
1	0 464 82	Set of 4 pivoting castors, 2 of which have brakes Total loading capacity on the 4 castors: 500 kg

Linkeo 19" freestanding cabinets

Linkeo 19" freestanding cabinets

flatpack solutions



6 464 30



6 465 06



6 465 20



6 465 50

Pack	Cat.Nos	
		Fan kits
		Integrated thermostat, adjustable from - 10 to 80°C 2.5 m cord with 2P+E plug, 230 V∿ Grey RAL 7035
1	6 464 30	2 fans
1	6 464 31	4 fans
		Cable management
		Brush cable entry To fit on top or bottom cabinet pre-cut cable entry
1	6 464 28	Set of brush
		Vertical cable guides Side or rear mounting on structure
1	6 464 20	For 33 U cabinet
1	6 464 21	For 42 U cabinet
		Cable management rings For cabinet width 800 mm. Fix onto 19" uprights Usable dim.: 65 x 145 mm. Black RAL 9005
1	6 464 25	Set of 6 metal rings
		Fixed shelves
		Black RAL 9005
		Screw fixing on 2 x 19" uprights Height 2 U. Max. load: 15 kg
1	6 465 01	Shelf depth 200 mm
1	6 465 02	Shelf depth 360 mm
		Screw fixing on 4 x 19" uprights Height 1 U. Max. load: 50 kg
1	6 465 05	Shelf depth 425 For depth 600 mm
1	6 465 06	Shelf depth 625 For depth 800 mm
1	6 465 07	Shelf depth 825 For depth 1000 mm
		Telescopic shelves
		Screw fixing on 4 x 19" uprights. Height 1 U Max. load: 30 kg. Black RAL 9005
1	6 465 08	Shelf depth 425 For depth 600 mm
1	6 465 09	Shelf depth 625 For depth 800 mm
1	6 465 10	Shelf depth 825 For depth 1000 mm
		1-axis 19" management panels
1	6 465 20	1 U
1	6 465 21	2 U
		2P+E PDU
		2 m cord with plug
1	6 465 50	9 French-Belgian standard sockets
1	6 465 51	8 French-Belgian standard sockets + switch
1	6 465 55	9 German standard sockets
1	6 465 56	8 German standard sockets + switch
1	6 465 60	8 British standard sockets
1	6 465 61	7 British standard sockets + switch

Advantages of flatpack solutions

Easy to carry
Easy to store
Easy to handle
Easy to mount:
- 16 minutes / 1 person
- requires only one tool (10 wrench)
- dedicated installation sheet

Advantages of delivery in 1 part number

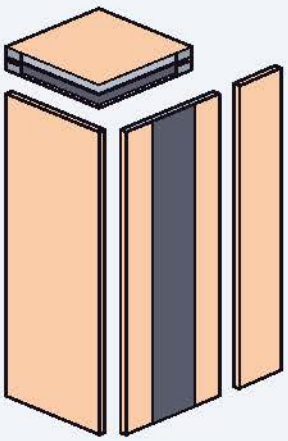
High protection packaging for long distance transportation

All in one:
- easy to order



Advantages of delivery in 4 part numbers

- Transportation and storage cost reduction
- Easy handling (small and light package)
- Keep door and panels apart to protect them
- Easy to configure extension cabinet (baying kit to be ordered separately)
- Four additional cabinet sizes



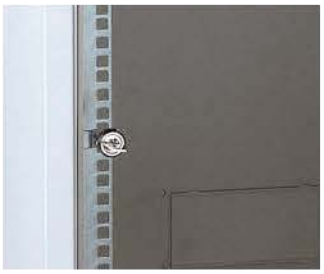
Selection chart for delivery as 4 part numbers

Cabinet dimensions H x W x D	Roof-base	Structural and 19" uprights	Side panels	Front door and rear panel
24U 600 x 600	6 464 50	6 464 60	6 464 65	6 464 80
24U 600 x 800	6 464 51	6 464 60	6 464 66	6 464 80
24U 800 x 600	6 464 53	6 464 60	6 464 65	6 464 81
24U 800 x 800	6 464 54	6 464 60	6 464 66	6 464 81
33U 600 x 600	6 464 50	6 464 62	6 464 71	6 464 84
33U 600 x 800	6 464 51	6 464 62	6 464 72	6 464 84
33U 800 x 600	6 464 53	6 464 62	6 464 71	6 464 85
33U 800 x 800	6 464 54	6 464 62	6 464 72	6 464 85
42U 600 x 600	6 464 50	6 464 63	6 464 74	6 464 86
42U 600 x 800	6 464 51	6 464 63	6 464 75	6 464 86
42U 600 x 1000	6 464 52	6 464 63	6 464 76	6 464 86
42U 800 x 600	6 464 53	6 464 63	6 464 74	6 464 87
42U 800 x 800	6 464 54	6 464 63	6 464 75	6 464 87
42U 800 x 1000	6 464 55	6 464 63	6 464 76	6 464 87
Extension cabinets	same as above, without side panels			

Linkeo 19" wall-mounting cabinets

Reliable and easy-to-install solutions





- Reversible flat safety glass door with integrated lock.



- Supplied with 2 x 19" uprights adjustable in depth.



- Adjustable top cable entry with foam seal.
- Rear and bottom cable entries equipped with blanking plates.



- Top perforations for natural ventilation.
- Can be equipped with fan kit.



0 462 47



0 462 70



6 465 01



6 465 20

Technical characteristics **p. 728**

IP 20 - IK 08
Cabinets with reversible flat safety glass door with integrated lock
Simple two-step wall fixing: base + cabinet
Equipped with 2 x 19" uprights adjustable in depth
Adjustable top cable entry with foam seal
Rear and bottom cable entries equipped with blanking plates
Top perforations for natural ventilation, capable of taking the fan kit
Cat.No 0 462 70
Supplied with earthing kit
Grey RAL 7035

Linkeo 19" cabinets

Supplied in flatpack for compactness

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)	Net weight (kg)	Loading capacity (kg)
1	0 462 35	6 U	367	600	400	18	18
1	0 462 36	9 U	500	600	400	20	27
1	0 462 47	12 U	625	600	600	30	36
1	0 462 48	16 U	810	600	600	36	48

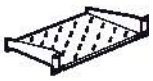
Fan kit

Pack	Cat.Nos	
1	0 462 70	Kit contains: - 2 fans - 1 thermostat - ON/OFF switch Supplied with 2.3 m cable Power supply 230 V~ - 50/60 Hz

Fixed shelves

Screw fixing on 2 x 19" uprights
Height 2 U
Max. load: 15 kg

Pack	Cat.Nos	
1	6 465 01	Shelf depth 200 mm For cabinets depth 400 and 600 mm
1	6 465 02	Shelf depth 360 mm For cabinets depth 600 mm



1-axis 19" management panels

Pack	Cat.Nos	
1	6 465 20	1 U
1	6 465 21	2 U

2P+E PDU

2 m cord with plug

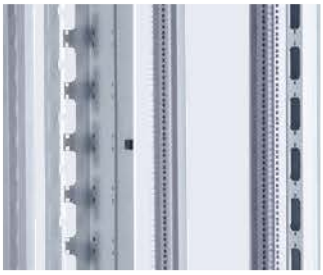
Pack	Cat.Nos	
1	6 465 50	9 French-Belgian standard sockets
1	6 465 51	8 French-Belgian standard sockets + switch
1	6 465 55	9 German standard sockets
1	6 465 56	8 German standard sockets + switch
1	6 465 60	8 British standard sockets
1	6 465 61	7 British standard sockets + switch

Ready-assembled version available,
Please, consult us

19" Bati-rack

Easy access and high-quality finish

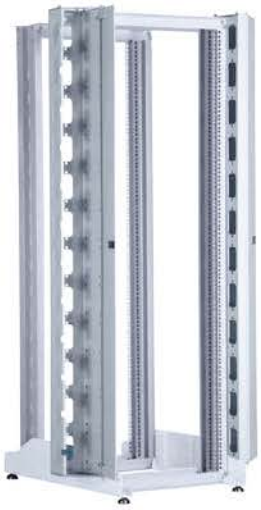




■ Full access to the wiring



■ Takes cable management sleeves for a perfect finish



0 463 96 + 2 x 0 463 97



0 463 97



6 465 01



6 465 20

Technical characteristics **p. 729**

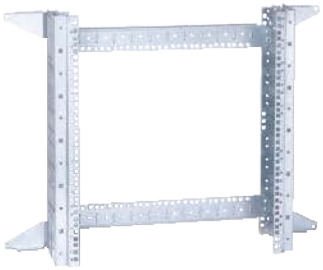
Pack	Cat.Nos	19" Bati-rack				
		For housing 19" equipment in an air conditioned, secure, dust-free environment Comprises 2 or 4 x 19" uprights With levelling feet The 4-upright bati-rack takes shelves for enclosures depth 800 mm Loading capacity: 300 kg Supplied ready for assembly RAL 7035				
		Capacity	Height(1) (mm)	Width (mm)	Depth (mm)	Number of uprights
1	0 463 95	42 U	1965	540	640	2
1	0 463 96	42 U	1965	540	820	4
		Cable management sleeve				
		Closed vertical feedthrough Reversible door For fixing on the right or left on the 19" uprights RAL 7035				
1	0 463 97	Sleeve				
		Roof				
1	0 464 98	Roof for 4-upright bati-rack. 535 x 600 mm				
		Set of 4 castors				
1	0 464 99	For bati-rack Loading capacity on the 4 castors: 340 kg				
		Shelves Black RAL 9005				
		Screw fixing on 2 x 19" uprights Height 2 U. Max. load: 15 kg				
1	6 465 01	Shelf depth 200 mm				
1	6 465 02	Shelf depth 360 mm				
		Screw fixing on 4 x 19" uprights Height 1 U				
1	6 465 06	Fixed shelf depth 625 mm. Max. load: 50 kg				
1	6 465 09	Telescopic shelf depth 625 mm. Max. load: 30 kg				
		1-axis 19" management panels				
1	6 465 20	1 U				
1	6 465 21	2 U				
		2P+E PDU				
		2 m cord with plug				
1	6 465 50	9 French-Belgian standard sockets				
1	6 465 51	8 French-Belgian standard sockets + switch				
1	6 465 55	9 German standard sockets				
1	6 465 56	8 German standard sockets + switch				
1	6 465 60	8 British standard sockets				
1	6 465 61	7 British standard sockets + switch				

1: Without adjustment levelling feet (+ 27 to 42 mm with feet)

Wall-mounting rack for weatherproof cabinets



0 329 46



0 462 28



0 329 47



0 465 00

Technical characteristics **p. 729**

Pack	Cat.Nos	**Wall-mounting VDI rack for Atlantic and Marina cabinets**
		For integrating 19" VDI equipment in Atlantic cabinets (Cat.Nos 0 355 xx) and Marina cabinets, width 600 or 800 mm and depth 250 mm min. In cabinets width 400 mm, the rack enables 10" VDI equipment to be incorporated (p. 705) Can be fixed directly on the wall to create a wall-mounted rack (without cabinet) Self-locking cable ties and cable ties with tightening indicator (see opposite) can be fitted
1	0 462 27	6 U rack
1	0 462 28	12 U rack
1	0 462 29	16 U rack

Pack	Cat.Nos	**Cable entry for Atlantic cabinets width 600 or 800 mm and 19" equipment**
		Cable entry
1	0 329 46	IP 43 cable entry plate with brush (cable feedthrough 385 x 30 mm)
1	0 329 47	IP 55 cable entry plate with multi-entry cable glands Supplied with 12 ISO 32 cable glands Each cable gland allows the insertion of 4 UTP/FTP/SFTP cables (Ø6.5 to 9.5 mm) Cords with connectors can be fed through without having to dismantle the cable gland Supplied with blanking plates for unused entries
		Fixed shelf Projecting mounting on 2 x 19" uprights Fast screw-free assembly Max. load 15 kg Height 2 U Black RAL 9005
1	0 465 00	Depth 115 mm



Altis™ 19" freestanding cabinets IP 55 - IK 10



0 473 62 + 0 472 72 + 0 482 20



0 473 63 equipped

Pack	Cat.Nos	**Altis 19" 42 U cabinets**
		Cabinets with framed glass door Protection against dust, water, knocks in demanding environments - IP55 - IK10 For loads up to 720 kg on four 19" uprights Reversible door with toughened glass window 4-point locking with double bar (key barrels Cat.No 0 347 XX) Removable rear panel Cable entries at bottom (plates Cat.No 0 481 XX) Can be equipped with plinth (Cat.No 0 476 XX) 19" uprights and side panels to be ordered separately Compatible with 19" LCS² equipment (p. 702) Cat.Nos 0 331 35 and 0 464 80 can be mounted in width 800 mm cabinets (p. 701) Grey RAL 7035

		Dimensions			Window dim.		
		Height (mm)	Width (mm)	Depth (mm)	Height (mm)	Width (mm)	Weight (kg)
1	0 473 62	2000	600	600	1775	375	91.7
1	0 473 63	2000	800	600	1775	575	110.4
1	0 473 91	2000	600	800	1775	375	95.2
1	0 473 92	2000	800	800	1775	575	114.6

Set of 2 side panels

		For cabinets	
		Height (mm)	Depth (mm)
1	0 472 72	2000	600
1	0 472 75	2000	800

19" uprights

1	0 482 20	Set of 2 42 U uprights (perforations 9.5 x 9.5 mm) Supplied with mounting lugs and screws Mounting in cabinets possible width 600 or 800 mm

Interior assembly kit - IP 55 for a 1000 kg/m³ load

1	0 476 83	Set consisting of - 4 brackets - 2 joining feet - 1 gasket

M 14 lifting rings

1	0 476 96	Set of 4 rings For a load of 1000 kg/m³

Cable ties and document holders


0 331 94


0 331 95


0 331 85


0 331 85


0 331 87


0 320 68

For grouping together and organising audio, computer, VDI, etc., cables
Re-usable (cables can be added)

Cable ties with tightening indicator



Wide cable ties with patented warning system to prevent overtightening cables
Release by pinching the head of the cable tie
Strap held in place after tightening

Pack	Cat.Nos	Width (mm)	Length (mm)	Tightening Ø max.	Tightening Ø min.
50	0 331 94	15	180	35	15
50	0 331 95	15	225	50	35
50	0 331 96	15	320	80	50

Self-locking cable ties

Repositionable cable ties
Double-sided textile with "loops" on one side and "hooks" on the other
Do not damage cables
Can be fixed using screws or rivets
Cat.Nos 0 366 44/46 (p. 300)

Pack	Cat.Nos	Colour	Width (mm)	Length (mm)	Tightening Ø max. (mm)
10	0 331 84	Black	16	150	35
10	0 331 85	Red	16	150	35
10	0 331 86	Green	16	150	35
10	0 331 87	Black	16	300	80
10	0 331 88	Red	16	300	80
10	0 331 89	Green	16	300	80

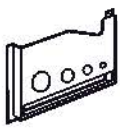
Self adhesive base



50 — 0 320 68
For cable ties max. width 20 mm
Black - 38 x 38 x 9.4 mm
Possible central fixing with screw Ø4 mm

Self-adhesive document holders

Open - RAL 7035



Pack	Cat.Nos	Ext. dimensions Height (mm)	Ext. dimensions Width (mm)	Int. dimensions Height (mm)	Int. dimensions Width (mm)	Int. dimensions Depth (mm)
20	0 365 80	235	340	200	310	18
20	0 365 81	165	260	130	230	18

Closed - RAL 7035
1 — 0 365 82
Rigid plastic - IP 50
Int. dimensions: 324 x 120 x 18 mm

Transparent
10 — 0 097 99
Soft plastic, A4 - 305 x 220 mm

LCS² ZONE DISTRIBUTION BOXES

Consolidation and redistribution made easy

Complete flexibility with the LCS² zone boxes: centralisation of connections close to the workstation, copper and fibre optics can be used together.



- Flexible installation with lines in reserve meet future requirements quickly.
- Guaranteed performance across the whole LCS² system.
- Fast, reliable connection to the LCS² zone box with sockets with copper and fibre optic feedthrough and RJ 45/RJ 45 cords.

N Available in cat. 6_A





Compliance of the LCS² systems with standards and certifications

LCS² systems and components (de-embedded) conform to the following standards:
- TIA/EIA 568C
- EN 50173-1 and EN 50173-2
- ISO/IEC 11801 version 2

The LCS² system supports 10G applications Base-T up to 100 m in a transmission channel
Conforms with standards ISO/IEC 24750, TIA TSB 155 and IEEE 802.3 an
The EA link class of the LCS² system also conforms with amendment 1 (04/2008) of standard ISO 11801 and its components conform with amendment 2
LCS² systems are certified by expert independent laboratory 3P

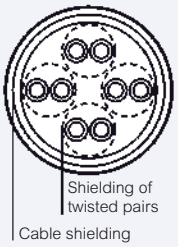
Main characteristics of the LCS² systems

	LCS² 6A		LCS² 6		LCS² 5e
Frequency	500 Mhz		250 MHz		100 Mhz
Speed	10 Gbit/s		1 Gbit/s		1 Gbit/s
Wiring	Copper	FO	Copper	FO	Copper
Connectors	RJ 45	SC-LC…	RJ 45	SC-LC…	RJ 45
Length cable max.	100 m	variable	100 m	variable	100 m

New names for LAN cables (according to ISO 11801-2)

They correspond to: "type of cable shield"/ "type of twisted pair shield"
TP monitoring (for twisted pairs)

Type of cable		Shield of the cable	Shield of pairs twisted
old name	new name		
SSTP	S/FTP	S: screen made up	F: screen formed a metal braid of a ribbon alumin/ polyester
SFTP	SF/UTP	SF: combination of ribbon + braid	U: no screen
STP	U/FTP	U: no screen	F: screen formed of a ribbon alumin/polyester
FTP	F/UTP	F: screen formed of a ribbon alumin/polyester	U: no screen
UTP	U/UTP	U: no screen	U: no screen



Area distribution boxes

Compliance with standards:
Area distribution box: TIA/EIA 568
UTE C 15-900
NF C 15-100 - NF C 20-730
EN 50-174.2
ISO 11801
EN 50173
IEC 60950

Cords and cables: ISO 11801 id.2.0, EN 50173-1, TIA/EIA 568

General characteristics:
- 6 or 12 incoming ports (depending on Cat.No) RJ 45 wiring
- 4 to 8 or 12 outgoing ports (depending on Cat.No) maximum Connection of mixed cords via RJ 45 connector (RJ 45/stripped)
- UTP, FTP and STP versions
- Cat. 6A, 6 and 5e
- for computer applications; telephone, access control etc.

Technical characteristics:
- material: Polycarbonate PC hood
  Polypropylene PP base
- colour: RAL 7035
- Weatherproofing protection index: IP 21
- Mechanical shock protection index: IK 07
- hold connector units in place in the box: 100 N
- Cables anchored on support using Colring cable ties

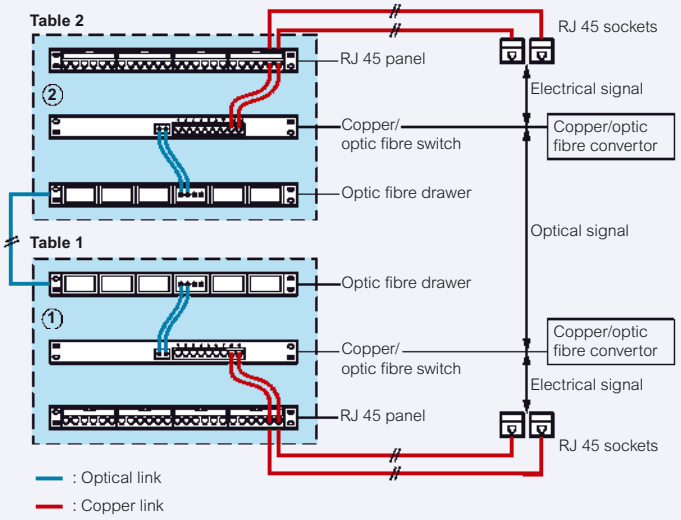
Fibre optic

New optical classes ISO 11801 2nd Ed.

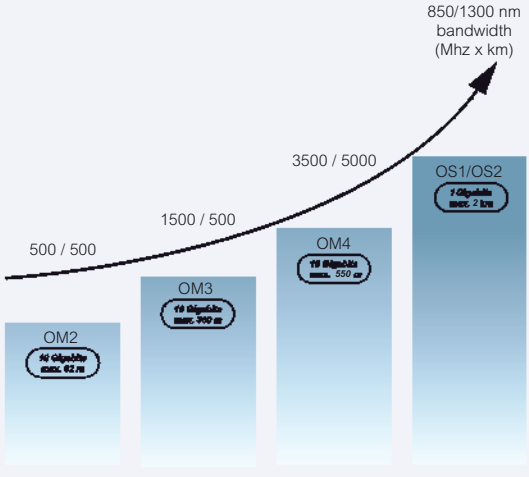
Parameters of the optical link (ISO 11801/EN 50173)

	Multimode		Monomode	
Parameter	**850 nm**	**1 300 nm**	**1 310 nm**	**1 550 nm**
Fibre attenuation dB/km	3.5 max.	1.5 max.	1.0	1.0
Bandwidth MHz.km	200 min.	500 min.	n/a	n/a
Connector attenuation dB	0.75 max.	0.75 max.	0.75 max.	0.75 max.
Return loss dB	20 min.	20 min.	26 min.	26 min.

Typical layout of an optical link between 2 distribution blocks



Maximal length of channel by fibre optic application



Applications	Multimode			Monomode
	OM2	OM3	OM4	OS1/OS2
10 Gigabits Ethernet (S/R base)	82 m	300 m	550 m(1)	NA
Giga Ethernet (LX base)	550 m	550 m	550 m	2 km
Giga Ethernet (SX base)	550 m	550 m	1100 m	NA

TIA 568
Applications IEEE 802.3

1: Engineered solution using a max. cabled fibre attenuation of 3.0 dB/km. If not distance is of 400 m

Flush-mounting Ethernet 10/100 base T switches

	779 00	779 01
Power supply	230 V	PoE
Speed	100 Mbps	
Standards	802.3 / 802.3u	802.3u 802.3 af
Common technical characteristics	• Operating temperature: from 0°C to +40°C • Max. humidity level permissible: 95 % • Auto MDI-X (takes crossed and straight cords) • Orange LED: - on: speed of 100 Mbps - off: speed 10 Mbps • Green LED on traffic	

Mosaic Wi-Fi access points

An 802.11 a and b/g solution

	MOSAIC WiFi Access Point Cat. Nos 77913/14		LCS² Cat. Nos 335 21/22
Radio communication standard	802.11 b/g	802.11 a	802.11 b/g/n or 802.11 a/n
Power supply standard	Power over Ethernet 802.3 af		
Frequency band	2.4 GHz	5 GHz	2.4 GHz or 5 GHz
Channel width	20MHz	20MHz	40MHz or 20MHz
Max. gross speed	54 Mbps max	54 Mbps	300 Mbps

Benefits of a Legrand Wi-Fi access point

- Possibility of simultaneous operation on 2 frequencies, a and b/g
  New products: invited access: used to allocate a network dedicated to visitors
  Provides a max. gross speed of up to 2 x 54 Mbps in simultaneous mode
- Very high security level: WPA2 encryption (802.11i) and authentication (802.1x)
- Possibility of roaming (moving from one access point to another without breaking the link)
- Quality of service (priority automatically given to voice, then video and finally data)
- Easy to configure and make secure: using the CD supplied with the access point

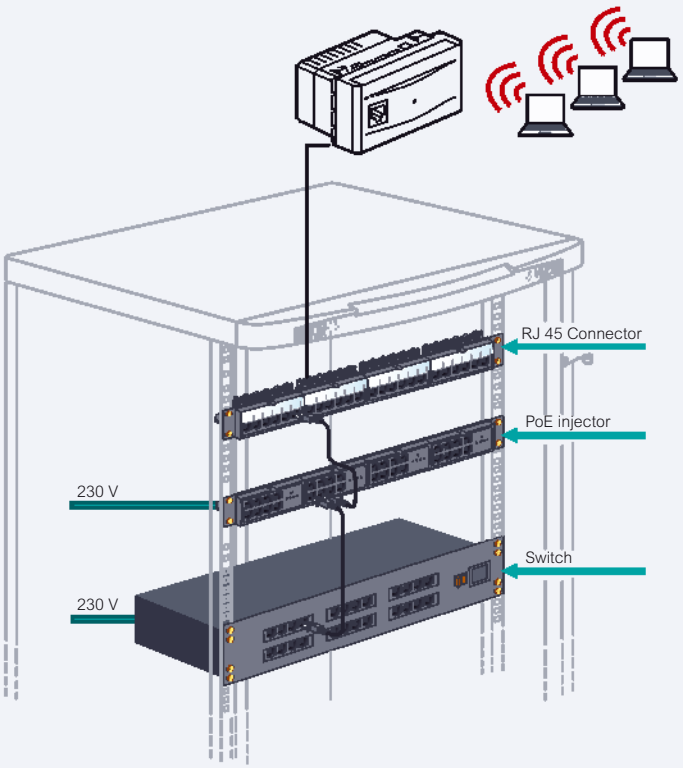
Installation

In all supports able to take a Mosaic mechanism (trunking, columns, flush-mounting boxes, floor boxes, etc.)
Do not place access points behind anything that could limit the antenna's range
Access points are connected tool-free via an RJ 45 connector

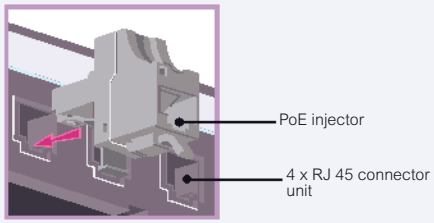
Sizing

- Provide 1 access point for 1 localised requirement (in entrance hall)
- Provide 1 access point per 100 m² for overall coverage and a maximum gross speed
- Provide 1 access point with an RJ 45 socket for a desk used by visitors

Installation principle for a Wi-Fi access point with Power over Ethernet injector

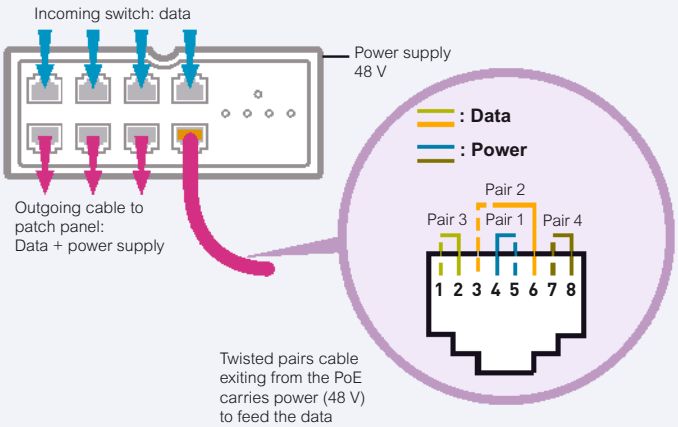


Particular case of the 1 port PoE: Clips directly onto a port on any patch panel
A single cord is necessary to connect it to a port on the switch



Operation of PoE injector

A PoE injector has one input and one output per access point to be supplied



Flush-mounting Ethernet 10/100 base T switches

	0 779 00	0 779 01
Power supply	230 V	PoE
Speed	100 Mbps	
Standards	802.3 / 802.3u	802.3u 802.3 af
Common technical characteristics	• Operating temperature: from 0°C to +40°C • Max. humidity level permissible: 95 % • Auto MDI-X (takes crossed and straight cords) • Orange LED: - on: speed of 100 Mbps - off: speed 10 Mbps • Green LED on traffic	

Mosaic Wi-Fi access points

An 802.11 a and b/g/n solution

Radio communication standard	802.11 b/g	802.11 a	802.11 b/g/n or 802.11 a/n
Power supply standard Power over Ethernet	802.3 af		
Frequency band	between 2.40 and 2.48 GHz	5 GHz	2.4 GHz or 5 GHz
Number of available channels	13	8	40 MHz or 20 MHz
Max. gross speed	54 Mbps	54 Mbps	300 Mbps

Benefits of a Legrand Wi-Fi access point

- Possibility of simultaneous operation on 2 frequencies, a and b/g
New products: invited access: used to allocate a network dedicated to visitors
Provides a max. gross speed of up to 2 x 54 Mbps in simultaneous mode
- Very high security level: WPA2 encryption (802.11i) and authentication (802.1x)
- Possibility of roaming (moving from one access point to another without breaking the link)
- Quality of service (priority automatically given to voice, then video and finally data)
- Easy to configure and make secure: using the CD supplied with the access point

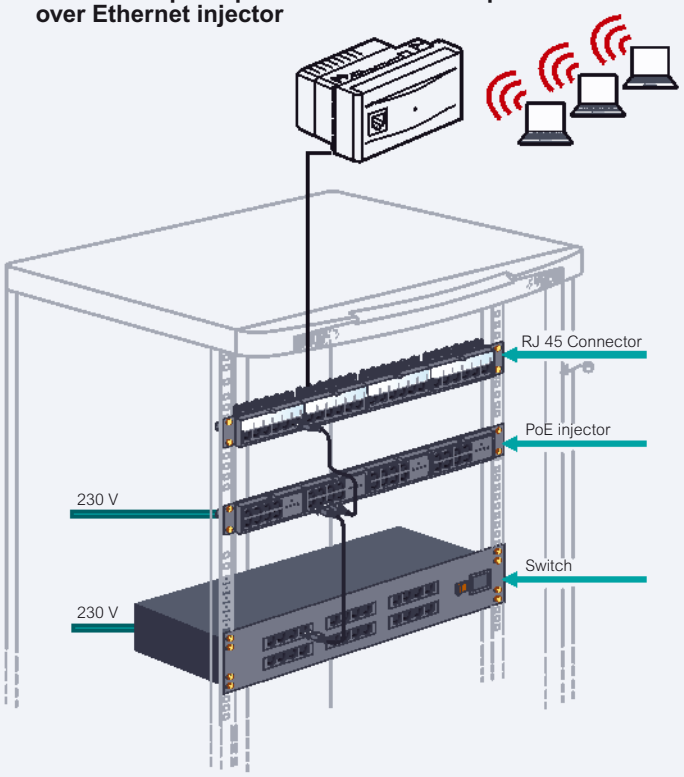
Installation

In all supports able to take a Mosaic mechanism (trunking, columns, flush-mounting boxes, floor boxes, etc.)
Do not place access points behind anything that could limit the antenna's range
Access points are connected tool-free via an RJ 45 connector

Sizing

- provide 1 access point for 1 localised requirement (in entrance hall)
- provide 1 access point per 100 m² for overall coverage and a maximum gross speed
- provide 1 access point with an RJ 45 socket for a desk used by visitors

Installation principle for a Wi-Fi access point with Power over Ethernet injector



Particular case of the 1 port PoE: Clips directly onto a port on any patch panel
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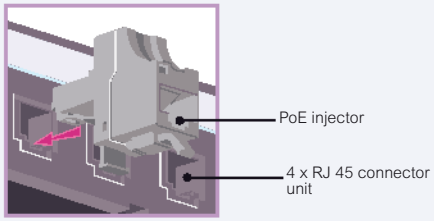
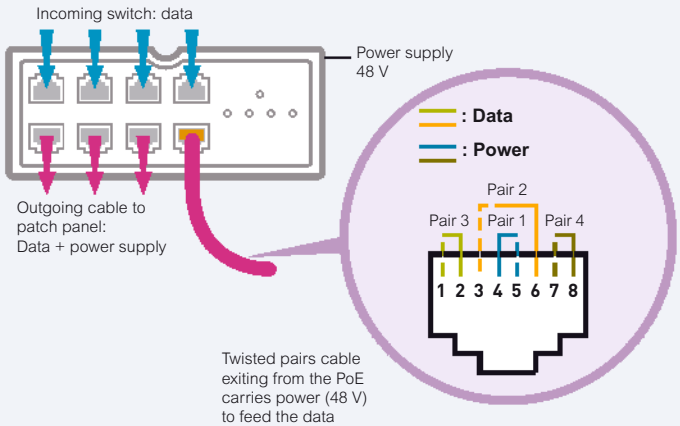


Operation of PoE injector

A PoE injector has one input and one output per access point to be supplied



Legrand services

The Relations Pro(1) service will work with you and guide you in setting up your VDI sites:
- help with sizing the installation
- on-site assistance for integrating products and making important installations secure

Advisors are also available to answer all your technical questions

1 : 0810 48 48 48 (local call rate) Monday to Friday 0800 to 1800

Legrand cabling system LCS²

LCS² 19"cabling and server freestanding cabinets

General characteristics

Metallic extendable cabinets. RAL 7016 textured polyester coating providing excellent resistance to corrosion and scratching
Front glass safety door, front and rear microperforated metal doors for server cabinets
Protection index (weatherproof) against solid objects and liquids: IP 20. Protection index against mechanical shocks: IK 08
Perforations in 19" uprights: 9.5 x 9.5 mm
Loading capacity: 420 kg for cabling cabinet
630 kg for server cabinet

Compliance with standards

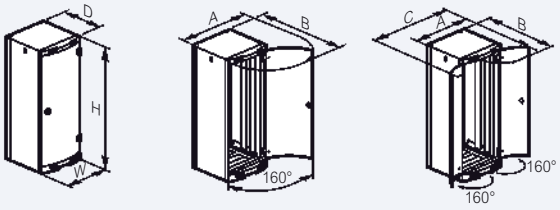
LCS² cabinets comply with the following standards:

IEC 60529 EN 60529	(NF C 20-010) Degrees of protection provided by enclosures (IP code)
IEC 62262 EN 62262	(NF EN 50102, NF C 20-015) Degree of protection provided by enclosures of electrical equipment against external mechanical impacts (IK code)
IEC 60950-1 EN 60950-1 C 77-210-1	Safety of data processing equipment
EIA-310-E	Cabinets, enclosures, panels and associated equipment (ANSI/EIA/310-E-2005)
IEC 60297-3-100 DIN 41414-7	(NF C 20-150, NF C 20-151) Sizes of mechanical structures of the 482.6 mm (19 in) series

LCS² cabinets can be integrated into installations complying with the following standards:

EN 50173-1	Information technology - Generic cabling systems
EN 50174-1 & 2 C 90-480-1 & 2	Information technology - Cabling installation
ISO IEC 11801	Information technology - Generic cabling for customer premises
NF C 15-100 Part 4-41	Low voltage electrical installations - Recommendations
IEC 60364-4-41	Low voltage electrical installations - Protection for safety - Protection against electric shock

Overall dimensions (mm)



Front single door

Cat.Nos	Capacity	H(1)	W	D	A	B
0 463 00	**24 U**	1226	610	659	1138	1208
0 463 06	**29 U**	1448				
0 463 12	**33 U**	1626				
0 463 18/30	**42 U**	2026		859		1408
0 463 19			810	657	1525	
0 463 21				857		1608
0 463 22/33				1057		1808
0 463 23				857		1608
0 463 28	**47 U**	2248		1057		1808
0 463 29						

Front double door

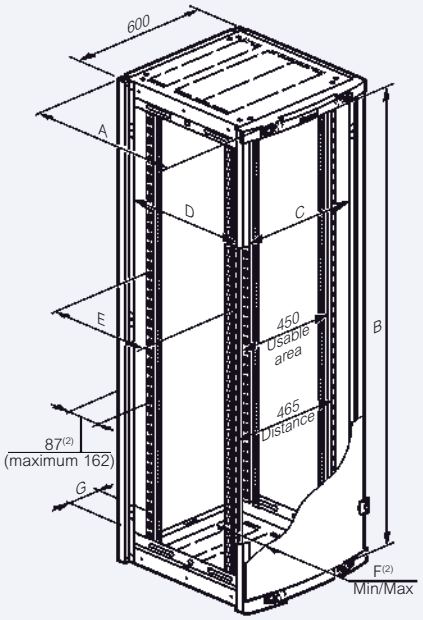
Cat.Nos	Capacity	H(1)	W	D	A	B	C
0 463 41	**42 U**	2026	810	657	1165	815	1535
0 463 42				857		1015	
0 463 43				1057		1215	

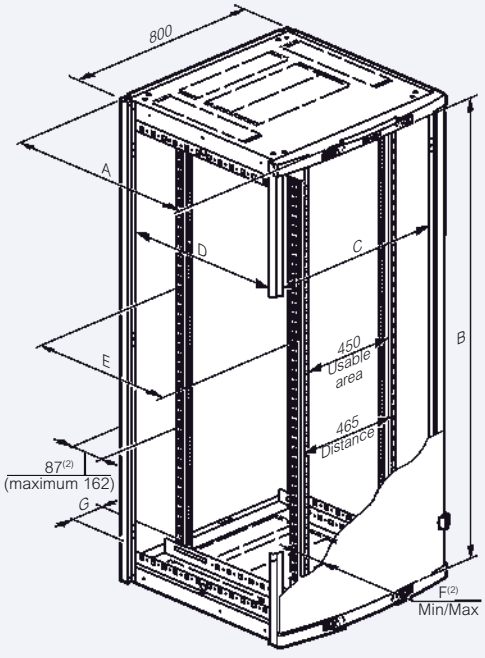
Server cabinets

Cat.Nos	Capacity	H(1)	W	D	A	B
0 463 85	**42 U**	2026	610	1086	1160	1655
0 463 86	**42 U**	2026	810	1096	1550	1858

1 : Without adjustment levelling feet (+ 15 to 45 mm with feet)

Useable dimensions





2 : Continuous adjustment with adjustments in widths of 12.5 mm

Front single door

Cat.Nos	Capacity	A	Usable area B	Usable area C	Usable area D	E	F(2) Min.	F(2) Max.	G
0 463 00	**24 U**	659	1086	490	490	425	118	193	41
0 463 06			1308						
0 463 12	**33 U**		1486						
0 463 18/30	**42 U**	857	1886	690	690	625	122	197	141
0 463 19									
0 463 21		657			490	425			
0 463 22/33		857			690	625			
0 463 23		1057			890	825			
0 463 28	**47 U**	857	2108		690	625			
0 463 29		1057			890	825			

Front double door

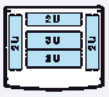
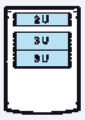
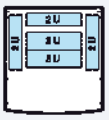
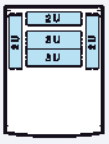
Cat.Nos	Capacity	A	Usable area B	Usable area C	Usable area D	E	F(2) Min.	F(2) Max.	G
0 463 41	**42 U**	657	1886	690	490	425	122	197	141
0 463 42		857			690	625			
0 463 43		1057			890	825			

Server cabinets

Cat.Nos	Capacity	A	Usable area B	Usable area C	Usable area D	E	F(2) Min.	F(2) Max.	G
0 463 85	**42 U**	1086	1886	490	890	825	75	150	41
0 463 86		1096		690					141

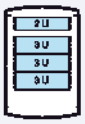
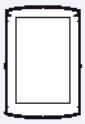
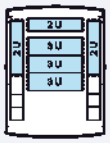
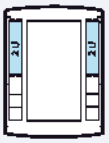
LCS² cabling cabinets cable entries (mm)

Pre-cut at the top and bottom in 19" format (useable area 451 mm)

	Width 600	Width 800
Depth 600		
Depth 800		
Depth 1000	-	

LCS² server cabinets cable entries (mm)

Pre-cut at the top in 19" format (useable area 451 mm)
Bottom central cut (805 x 450 mm)

	Top	Bottom
Width 600		
Width 800		

Weight cabling cabinets (kg)

Weights shown correspond to net weight (without packaging)

Cat.Nos	Weight Cabinet	Weight Extension cabinet
0 463 00	69	-
0 463 06	77	-
0 463 12	84	-
0 463 18/30 (ext)	99	72
0 463 19	110	-
0 463 21	114	-
0 463 22/33 (ext)	127	90
0 463 23	151	-
0 463 28	138	-
0 463 29	163	-
0 463 41	114	-
0 463 42	127	-
0 463 43	151	-

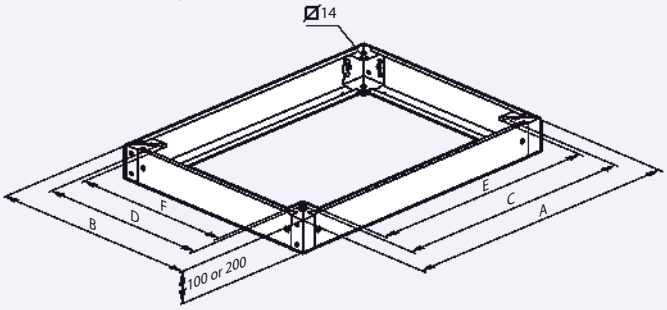
Weight server cabinets (kg)

Weights shown correspond to net weight (without packaging)

Cat.Nos	Weight Cabinet
0 463 85	155
0 463 86	166

Cabinet plinths (mm)

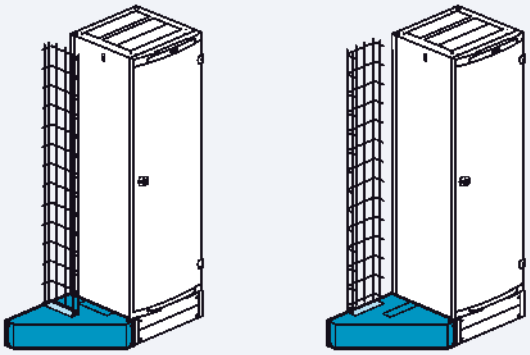
Base kit + side traps

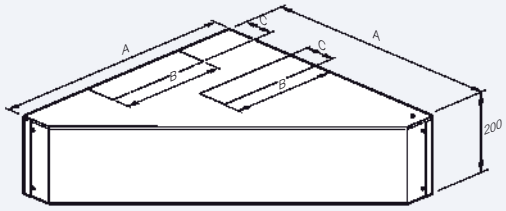


Cabinet dim. Width x Depth	Overall A	Overall B	Mounting C	Mounting D	Usable area E	Usable area F
600 x 600	599	599	478	478	449	449
600 x 800	599	799	478	678	449	649
800 x 600	799	599	678	478	649	449
800 x 800	799	799	678	678	649	649
600 x 1000	599	999	478	878	449	849
800 x 1000	799	999	678	878	649	849

Linking interface (mm)

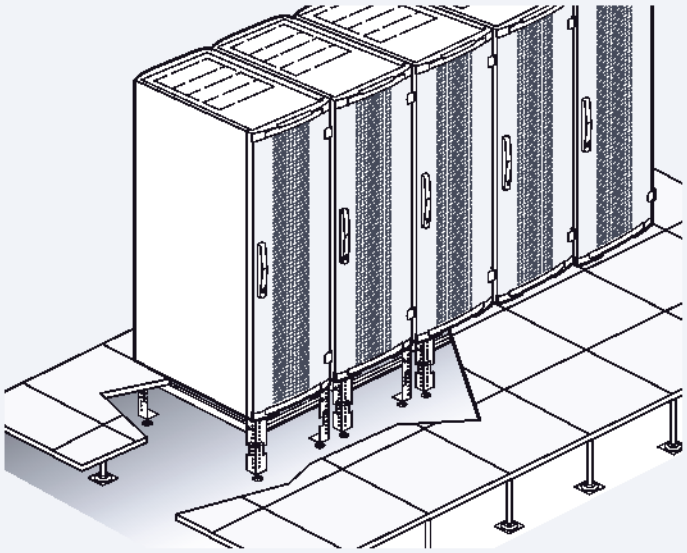
Left or right assembly of a cabinet fitted with a 200 mm high base
Reversible interface cover

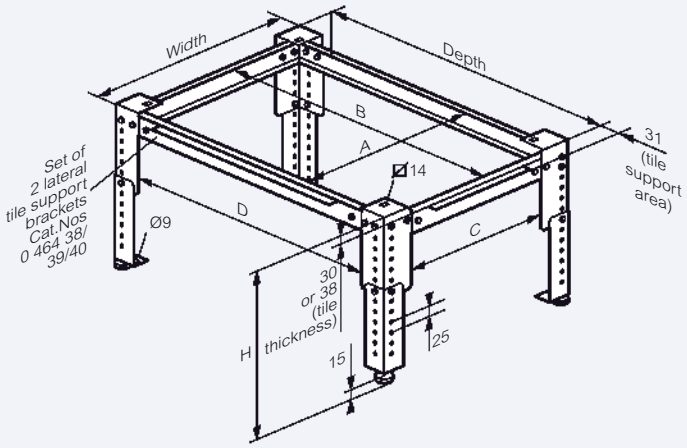




Cabinet dim. Depth	A	B	C
600	595	435	120

Adjustable height plinths

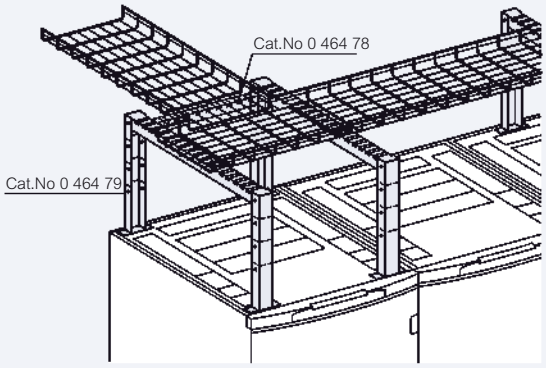


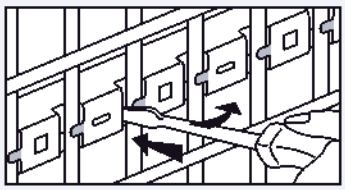


Cat.Nos	Width x Depth	H(1)		Usable area				Distance (width x depth)	
		Min.	Max.	A	B	C	D	With cabinet	To the ground
0 464 30	600 x 600	200	350	530	530	435	435	478 x 478	520 x 520
0 464 31	600 x 800				730		635	478 x 678	520 x 720
0 464 32	600 x 1000				930		835	478 x 878	520 x 920
0 464 33	800 x 600			730	530	635	435	678 x 478	720 x 520
0 464 34	800 x 800				730		635	678 x 678	720 x 720
0 464 35	800 x 1000				930		835	678 x 878	720 x 920

1: Ajustable au pas de 25 mm + réglage fin

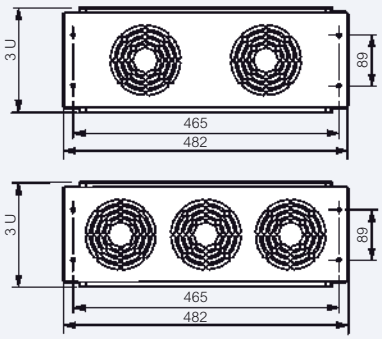
Supports for cable guides on server cabinets





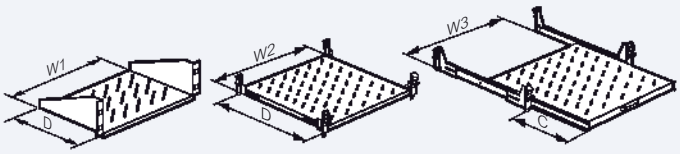
Cable guides can be installed quickly on the supports Cat.Nos 0 464 72/73/74/78/79

19" plates with fans (mm)



Cat.Nos	Ventilation zone	
	Number of fans	Output (m^3/h)
0 464 87	2	180
0 464 88	3	270

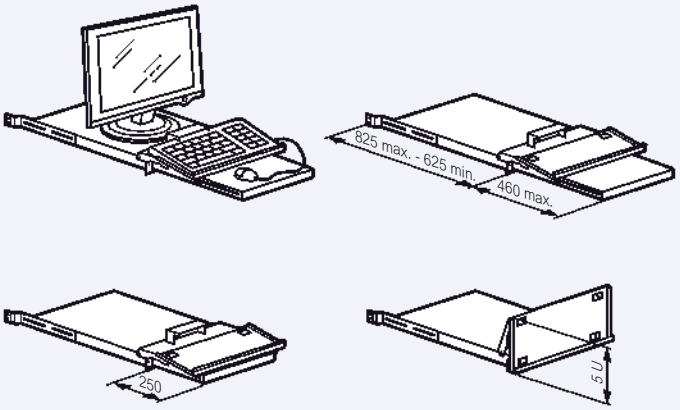
Shelves (mm)



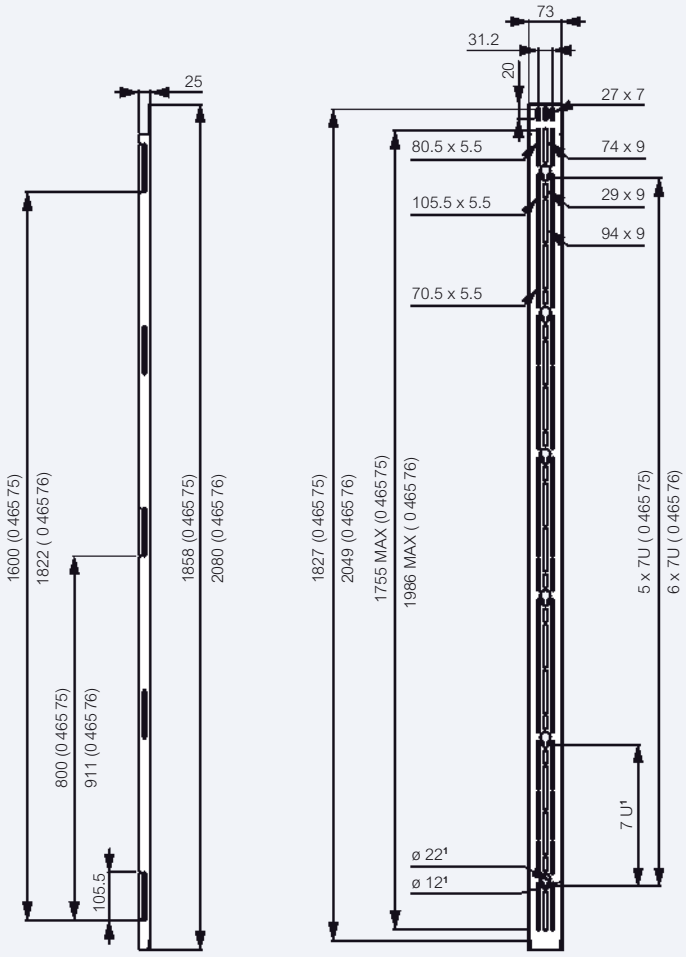
Cat.Nos	D	Useable width			C
		W1	W2	W3	
0 462 23(1)	120	216			
0 465 00	115	435			
0 465 01	200	435			
0 465 02	360	435			
0 465 05	425		440		
0 465 06	625		440		
0 465 07	825		440		
0 465 08	425			425	320
0 465 09	625			425	420
0 465 10	625			425	420
0 465 17	820		425		
0 465 18	820			380	650

1: Fixing centre 236.5 mm

Keyboard support shelf (mm)



PDU support

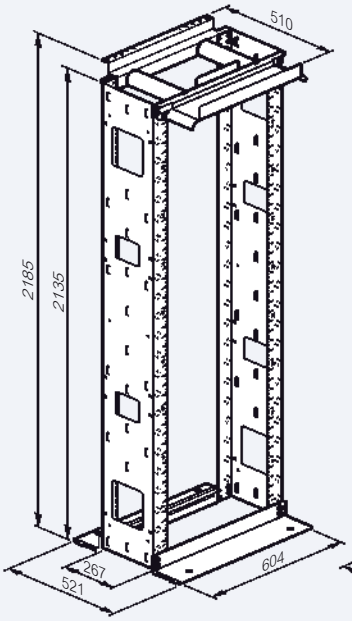


1: For mounting of PDU with button

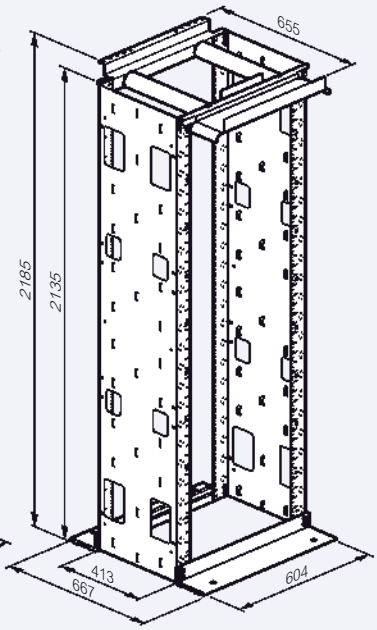
19" Racks

Permissible load: 15 kg/U

0 464 06

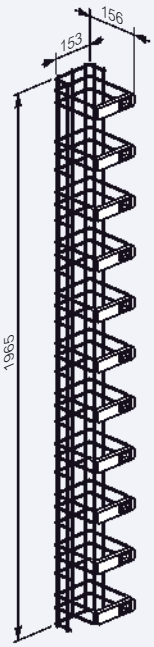


0 464 07

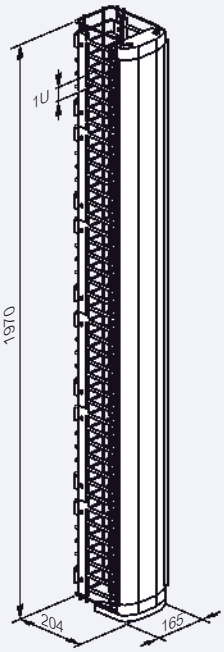


Cord management grids

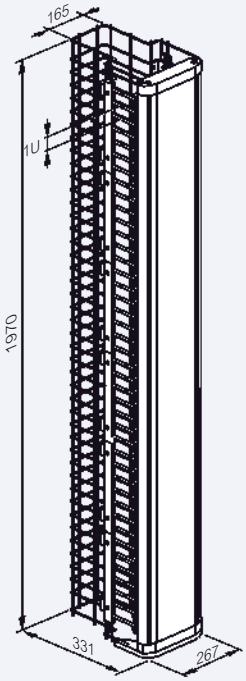
0 464 25



0 464 26



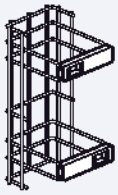
0 464 27

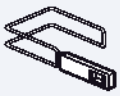


0 464 25

Swing latch replacement installation

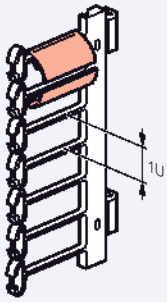
Installation can be either right or left hand swing out



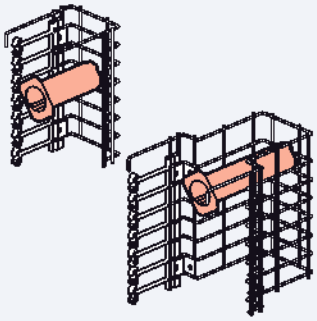


0 464 26/27

Bend limiting clips

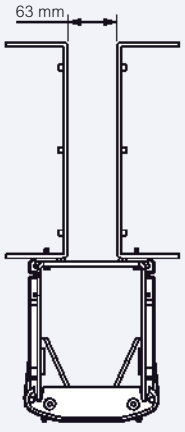


Cord coiling support

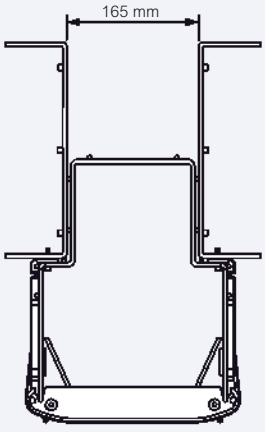


Joining racks with grid

0 464 25/26

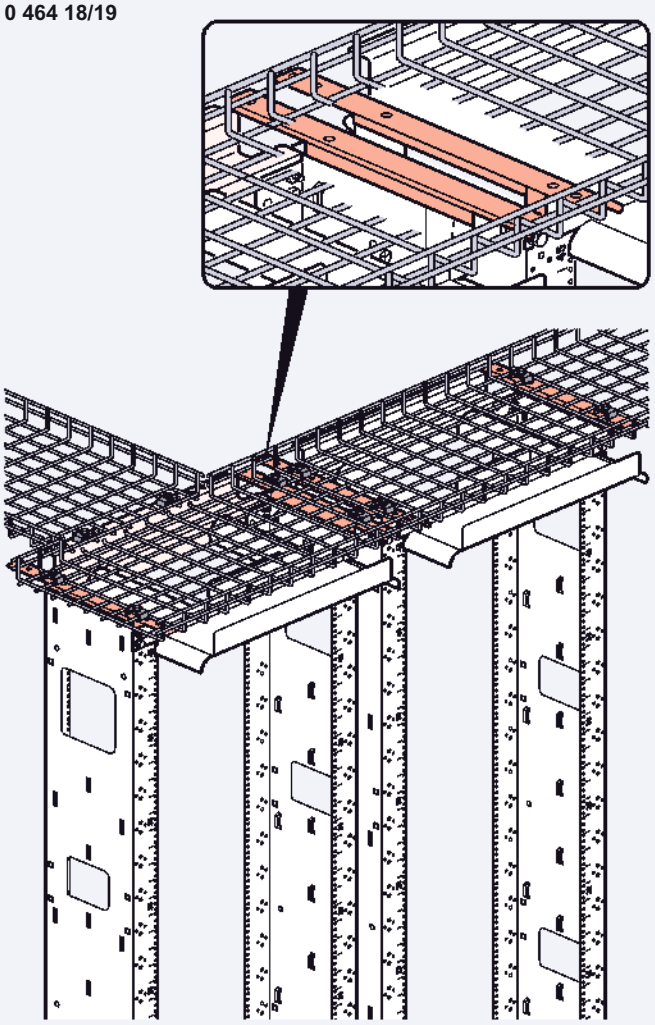


0 464 27



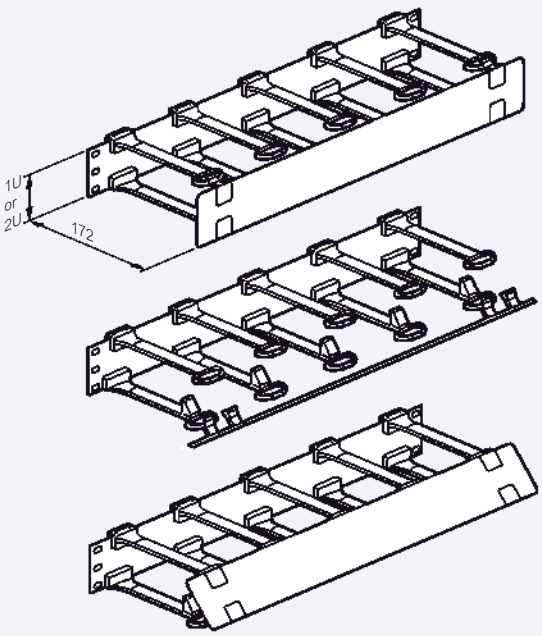
Cable tray support

0 464 18/19



19" cord management panels

0 465 70/71



Legrand cabling system LCS²

19" and 10" LCS² wall-mounting cabinets

General characteristics

Metallic wall-mounting cabinets
RAL 7016 textured polyester coating providing excellent resistance to corrosion and scratching
Front safety glass door
Protection index (weatherproof) against solid objects and liquids: IP 20
Protection index against mechanical shocks: IK 08
Perforations in uprights: 9.5 x 9.5 mm
Permissible load: 3 kg/U (or 48 kg for a 19" cabinet 16 U)
12 kg for the 10" cabinet 6 U

Compliance with standards

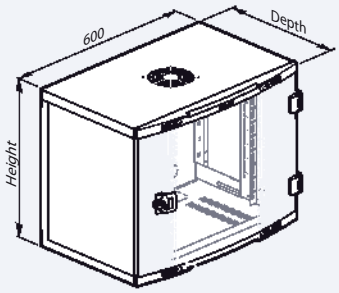
LCS² cabinets comply with the following standards:

IEC 60529 EN 60529	(NF C 20-010) Degrees of protection provided by enclosures (IP code).
IEC 62262 EN 62262	(EN 50102, NF C 20-015) Degrees of protection provided by enclosures of electrical material against external mechanical impacts (IK code).
IEC 60950-1 EN 60950-1 C 77-210-1	Safety of data processing equipment.
EIA-310-E	Cabinets, enclosures, panels and associated equipment (ANSI / EIA / 310-E-2005).
IEC 60297-3-100 DIN 41414-7	(NF C 20-150, NF C 20-151) Sizes of mechanical structures of the 482.6 mm (19 in) series

LCS² cabinets can be integrated into installations complying with the following standards:

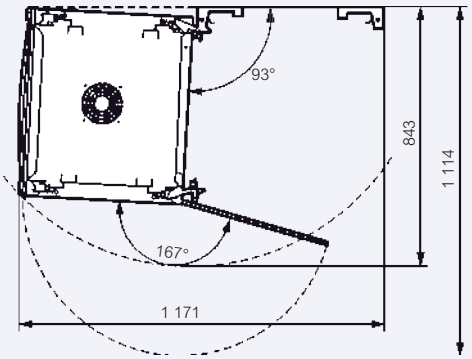
EN 50173-1	Information technology - Generic cabling systems.
EN 50174-1 & 2 C 90-480-1 & 2	Information technology - Cabling installation.
ISO IEC 11801	Information technology - Generic cabling for customer premises
NF C 15-100 Part 4-41	Low voltage electrical installations - Recommendations.
UTE C90-483	Residential cabling for communication networks
IEC 60364-4-41	Low voltage electrical installations - Protection for safety - Protection against electric shock

Overall dimensions (mm)

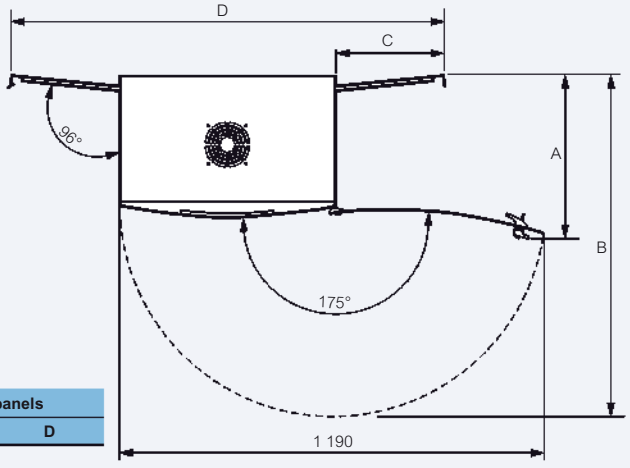


	Cat.Nos	Capacity	Height	Width	Depth
Fixed 19" cabinets	0 462 00	6 U	350	600	400
	0 462 01	9 U	500		
	0 462 02	12 U	600		
	0 462 03	16 U	800		
	0 462 06	9 U	500		580
	0 462 07	12 U	600		
	0 462 08	16 U	800		
	0 462 09	21 U	1000		
19" pivoting cabinets	0 462 11	9 U	500	600	615
	0 462 12	12 U	600		
	0 462 13	16 U	800		
	0 462 14	21 U	1000		
10" cabinet	0 462 20	6 U	352	314	300

Pivoting bottom opening

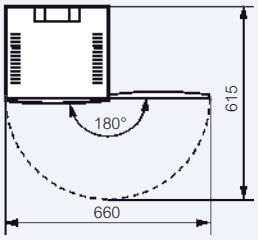


Front opening door and side panels



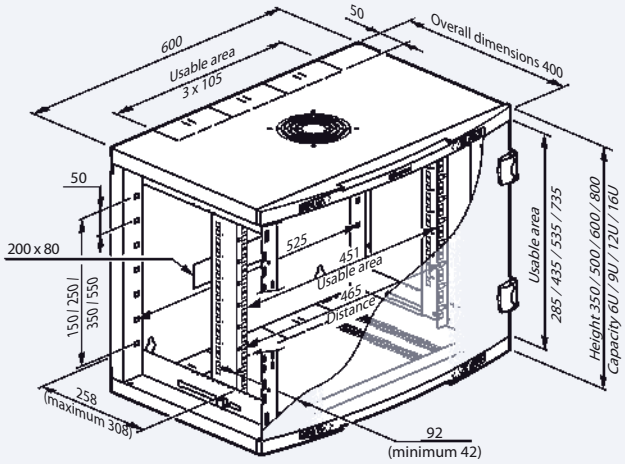
	Cat.Nos	Open doors		Open panels	
		A	B	C	D
Fixed 19" cabinets	0 462 00	400	962	305	1205
	0 462 01				
	0 462 02				
	0 462 03				
	0 462 06	580	1140	482.5	1565
	0 462 07				
	0 462 08				
	0 462 09				
19" pivoting cabinets	0 462 11	600	1179	482.5	1565
	0 462 12				
	0 462 13				
	0 462 14				

10" cabinet door opening Cat.No 0 462 20

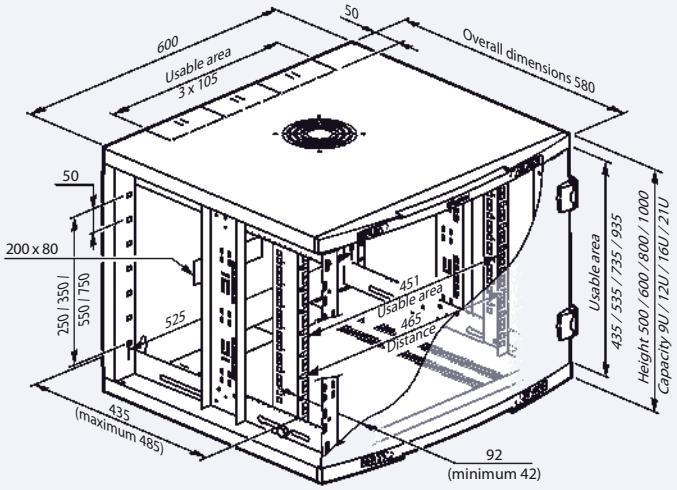


Useable dimensions (mm)

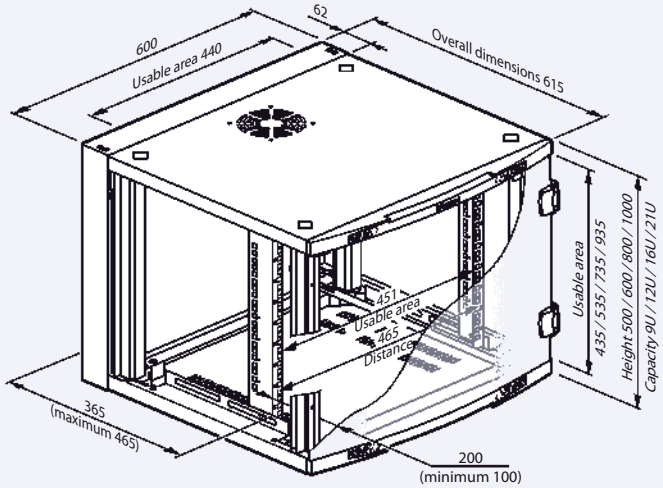
Fixed 19" LCS² cabinets depth 400 mm



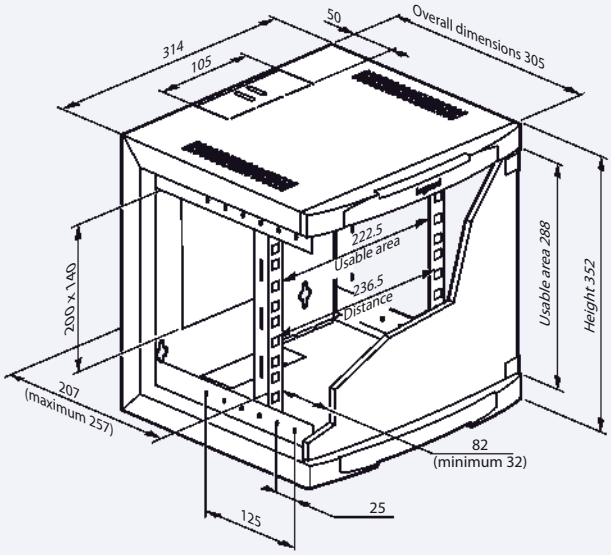
Fixed 19" LCS² cabinets depth 580 mm



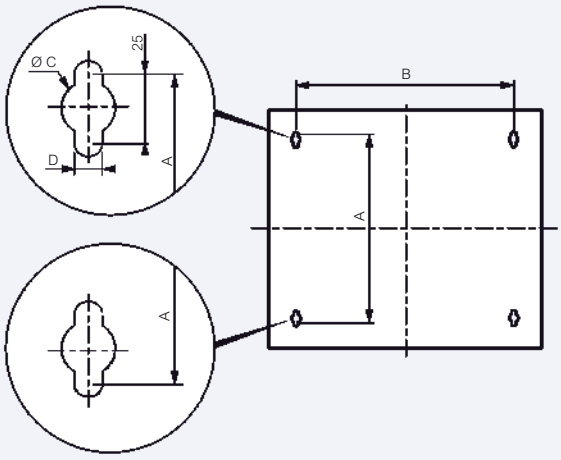
Pivoting 19" LCS² cabinets depth 600 mm



10" LCS² cabinet depth 300 mm



Fixing of cabinets (mm)

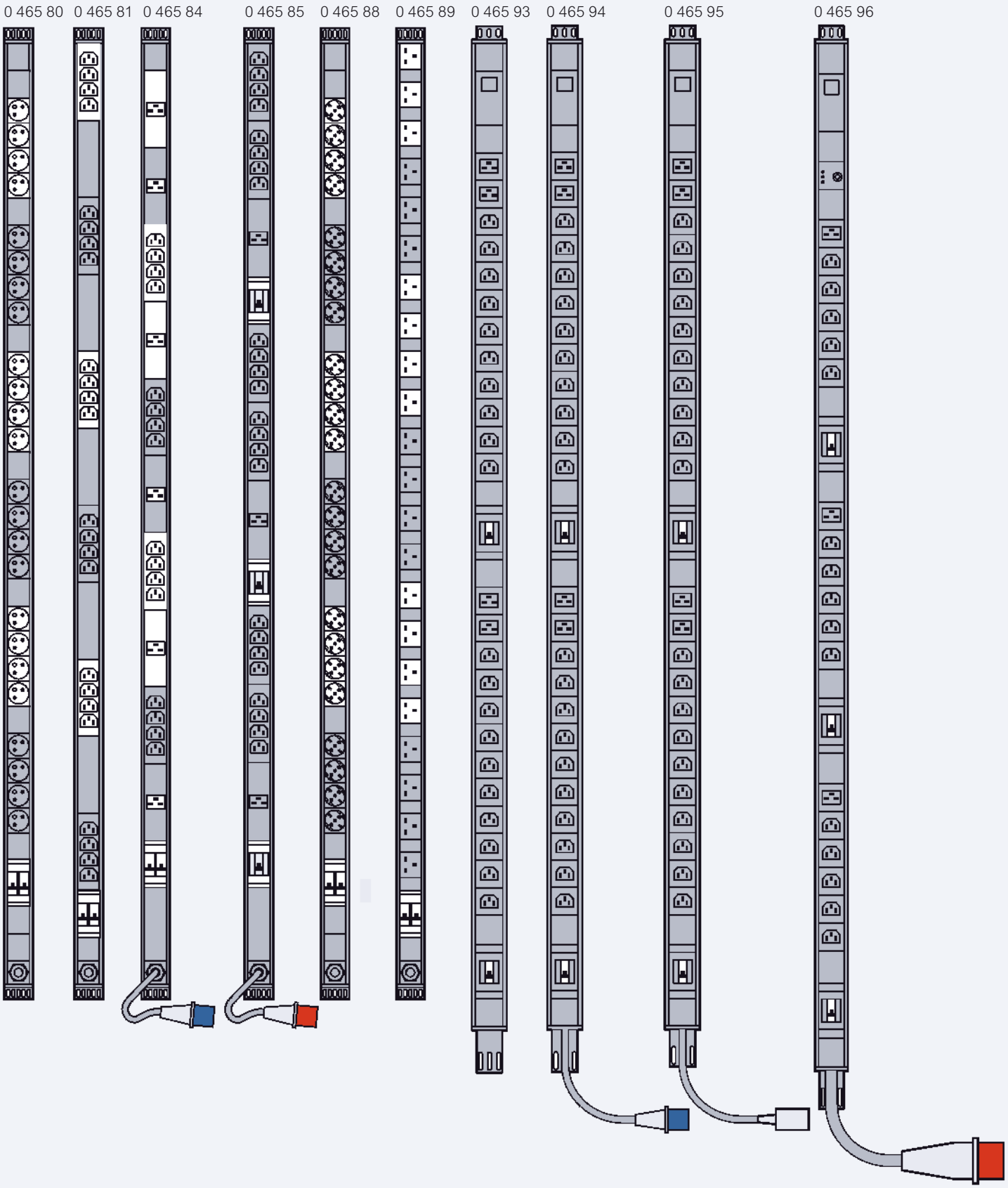


	Capacity	A	B	C	D
Fixed 19" cabinets	6 U	275	408	20	11
	9 U	425			
	12 U	525			
	16 U	725			
	21 U	925			
19" pivoting cabinets	9 U	425	500	18	9
	12 U	525			
	16 U	725			
	21 U	925			
10" cabinets	6 U	275	250	15	6.5

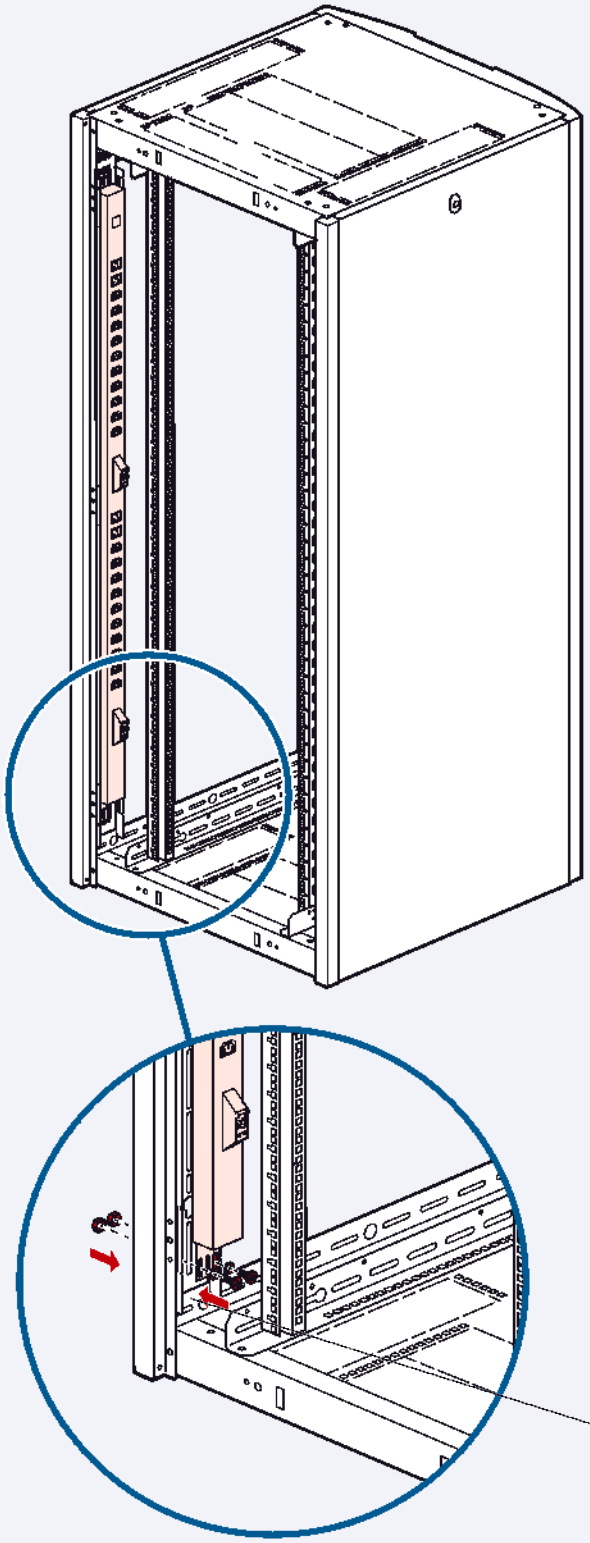
Weight (kg)

	Cat.Nos	Weight
Fixed 19" cabinets	0 462 00	16.7
	0 462 01	20.4
	0 462 02	22.8
	0 462 03	26
	0 462 06	25.7
	0 462 07	32.7
	0 462 08	41.5
	0 462 09	52.5
19" pivoting cabinets	0 462 11	31.8
	0 462 12	40
	0 462 13	47.3
	0 462 14	59
10" cabinet	0 462 20	8

Vertical Power Distribution Units configuration



Mounting in LCS² cabling and server cabinets



Mounting in cabling and server cabinets with a PDU support
Cat.No 0 465 75/76 (p. 701)

Linkeo 19" freestanding cabinets

General characteristics

Metallic extendable freestanding cabinets
RAL 7035 textured polyester coating providing excellent resistance to corrosion and scratching
Front door with safety glass window
Protection index (weatherproof) against solid objects and liquids: IP 20
Protection index against mechanical impacts: IK 08
Perforations in 19" uprights: 9.5 x 9.5 mm
Permissible load: 400 kg

Compliance with standards

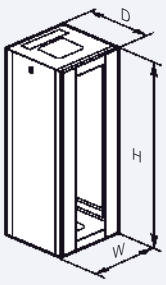
Linkeo cabinets comply with the following standards:

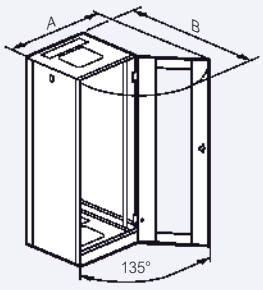
IEC 60529 EN 60529	(NF C 20-010) Degrees of protection provided by enclosures (IP code)
IEC 62262 EN 62262	(NF EN 50102, NF C 20-015) Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
IEC 60950-1 EN 60950-1 C 77-210-1	Safety of data processing equipment
EIA-310-E	Cabinets, racks, panels and associated equipment (ANSI/EIA/310-E-2005)
IEC 60297-3-100 DIN 41414-7	(NF C 20-150, NF C 20-151) Dimensions of mechanical structures of the 482.6 mm (19 in) series
IEC 60364-4-41	Low voltage electrical installations - Protection for safety . Protection against electric shock

Linkeo cabinets can be integrated in installations complying with the following standards:

EN 50173-1	Information technology - Generic cabling systems
EN 50174-1 & 2 C 90-480-1 & 2	Information technology - Cabling installation
ISO IEC 11801	Information technology - Generic cabling for customer premises
NF C 15-100 Part 4-41	Low voltage electrical installations - recommendations
IEC 60364-4-41	Low voltage electrical installations - Protection for safety - Protection against electric shock

Dimensions (mm)

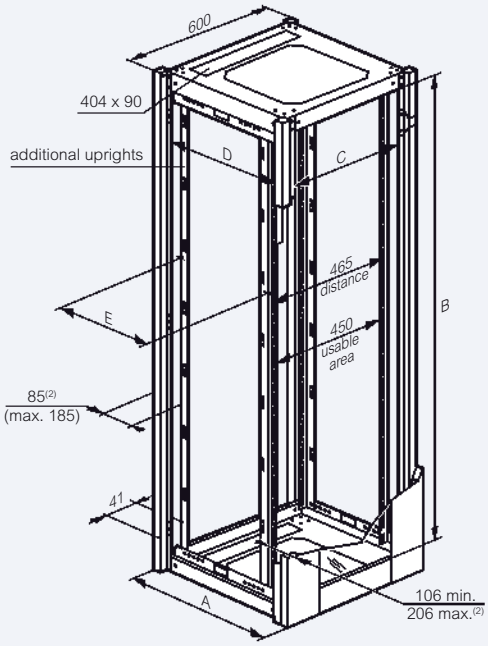


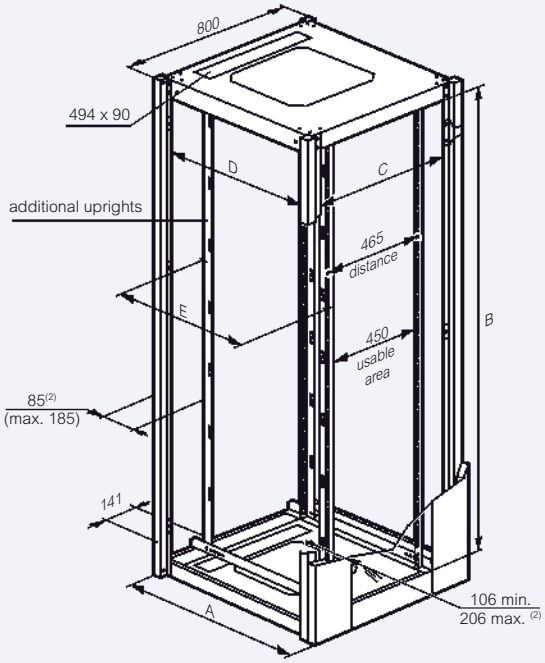


Cabinet dimensions	Overall dimensions				
	H(1)	W	D	A	B
24 U 600 x 600	1226	610	630	1015	1210
24 U 600 x 800		610	830	1015	1410
24 U 800 x 600		810	630	1355	1410
24 U 800 x 800		810	830	1355	1610
33 U 600 x 600	1626	610	630	1015	1210
33 U 600 x 800		610	830	1015	1410
33 U 800 x 600		810	630	1355	1410
33 U 800 x 800		810	830	1355	1610
42 U 600 x 600	2026	610	630	1015	1210
42 U 600 x 800		610	830	1015	1410
42 U 600 x 1000		610	1030	1015	1610
42 U 800 x 600		810	630	1355	1410
42 U 800 x 800		810	830	1355	1610
42 U 800 x 1000		810	1030	1355	1810

1: Without adjustment levelling feet (+15 to 45 mm with feet)

Useable dimensions (mm)

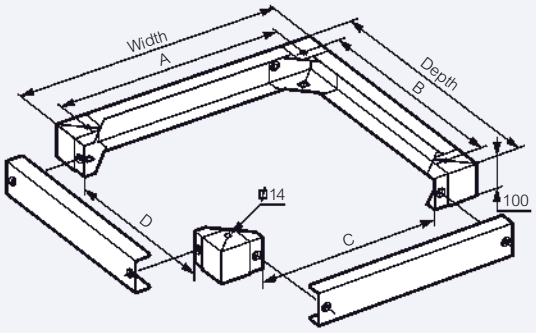




Cabinet dimensions	A(1)	Usable area			E	Glass window Door
		B	C	D		
24 U 600 x 600	630	1086	490	490	425	1073 x 360
24 U 600 x 800	830		490	690	625	1073 x 360
24 U 800 x 600	630		690	490	425	1073 x 450
24 U 800 x 800	830		690	690	625	1073 x 450
33 U 600 x 600	630	1486	490	490	425	1473 x 360
33 U 600 x 800	830		490	690	625	1473 x 360
33 U 800 x 600	630		690	490	425	1473 x 450
33 U 800 x 800	830		690	690	625	1473 x 450
42 U 600 x 600	630	1886	490	490	425	1873 x 360
42 U 600 x 800	830			690	625	
42 U 600 x 1000	1030			890	825	
42 U 800 x 600	630		690	490	425	1873 x 450
42 U 800 x 800	830			690	625	
42 U 800 x 1000	1030			890	825	

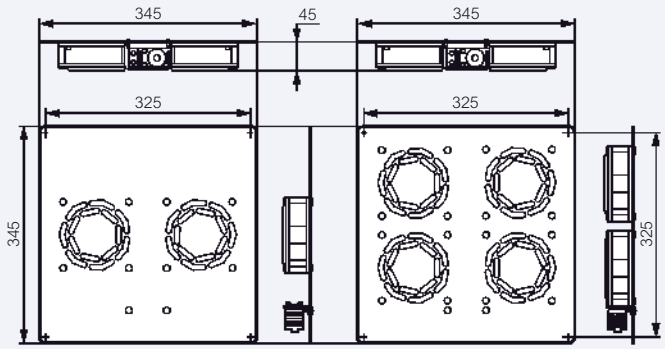
1: Overall dimensions
2: Can be adjusted in 25 mm steps

Plinths for Linkeo cabinets (mm)

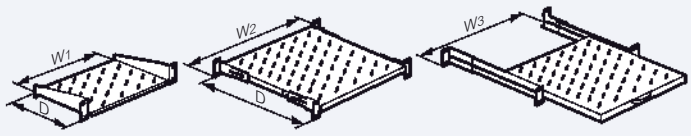


Cab. dimensions Width x Depth	Overall		Fixing		Usable area	
	Width	Depth	A	B	C	D
600 x 600	600	600	478	478	336	336
600 x 800	600	800	478	678	336	536
600 x 1000	600	1000	478	878	336	736
800 x 600	800	600	678	478	536	336
800 x 800	800	800	678	678	536	536
800 x 1000	800	1000	678	878	536	736

Linkeo fan kits (mm)



Linkeo shelves (mm)

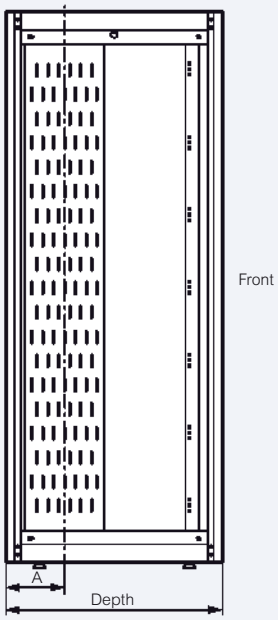


Cat.Nos	D	Useable width		
		W1	W2	W3
6 465 01	200	435		
6 465 02	360	435		
6 465 05	425		440	
6 465 06	625		440	
6 465 07	825		440	
6 465 08	425			410
6 465 09	625			410
6 465 10	825			410

Linkeo vertical cable guides

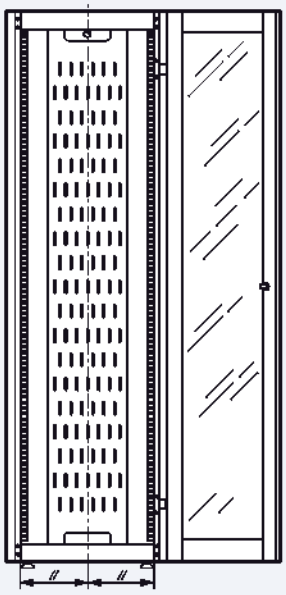
33 U guide: 1486 x 300 x 25 mm
42 U guide: 1886 x 300 x 25 mm

Side mounting

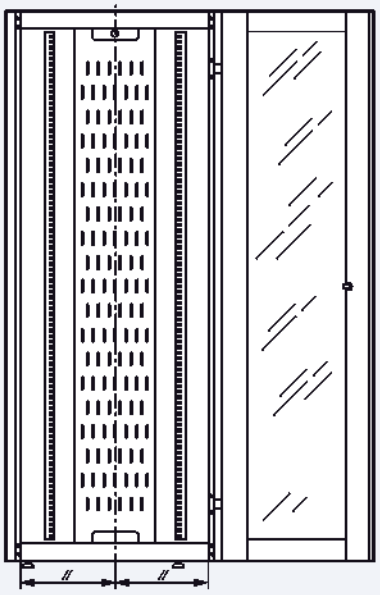


Cabinet depth	A
600	249
800	216
1000	216

Rear mounting in 600 mm width



Rear mounting in 800 mm width



Linkeo 19" wall-mounting cabinets

General characteristics

Metal wall-mounting cabinets
RAL 7035 textured polyester coating providing excellent resistance to corrosion and scratching
Safety glass door
Protection index (weatherproof) against solid objects and liquids: IP 20
Protection index against mechanical shocks: IK 08
Perforations in 19" uprights: 9.5 x 9.5 mm
Permissible load: 3 kg/U (or 48 kg for a 16 U, 19" cabinet)

Compliance with standards

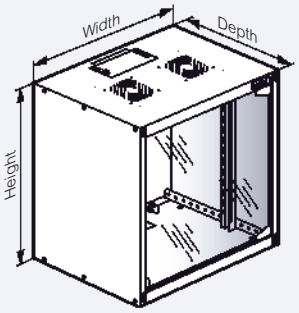
Linkeo cabinets comply with the following standards:

IEC 60529 EN 60529	(NF C 20-010) Degrees of protection provided by enclosures (IP code)
IEC 62262 EN 62262	(EN 50102, NF C 20-015) Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
IEC 60950-1 EN 60950-1 C 77-210-1	Safety of data processing equipment
EIA-310-E	Cabinets, racks, panels and associated equipment (ANSI/EIA/-310-D-2005)
IEC 60297-3-100 DIN 41414-7	(NF C 20-150, NF C 20-151) Dimensions of mechanical structures of the 482.6 mm (19 in) series

Linkeo cabinets can be integrated in installations complying with the following standards:

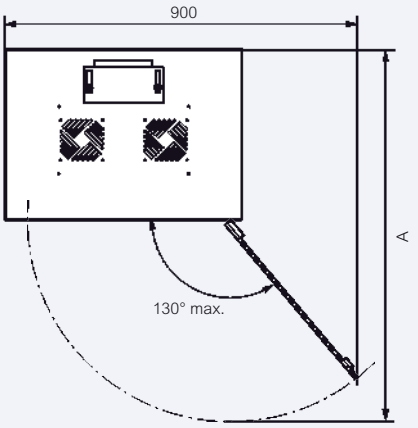
EN 50173-1	Information technology - Generic cabling systems
EN 50174-1 & 2 C 90-480-1 & 2	Information technology - Cabling installation
ISO IEC 11801	Information technology - Generic cabling for customer premises
NF C 15-100 Part 4-41	Low voltage electrical installations - Recommendations
UTE C90-483	Residential cabling for communication networks
IEC 60364-4-41	Low voltage electrical installations - Protection for safety - Protection against electric shock

Dimensions (mm)



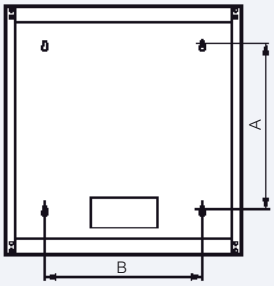
Cat.Nos	Capacity	Height	Width	Depth
0 462 35	6 U	367	600	400
0 462 36	9 U	500		
0 462 47	12 U	625		600
0 462 48	16 U	810		

Door opening (mm)



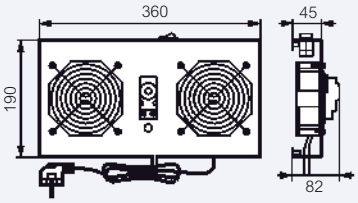
Cat.Nos	Capacity	A
0 462 35	6 U	930
0 462 36	9 U	
0 462 47	12 U	1130
0 462 48	16 U	

Fixing (mm)



Cat.Nos	Capacity	A	B
0 462 35	6 U	153	400
0 462 36	9 U	286	
0 462 47	12 U	419	
0 462 48	16 U	597	

Fan kit (mm)



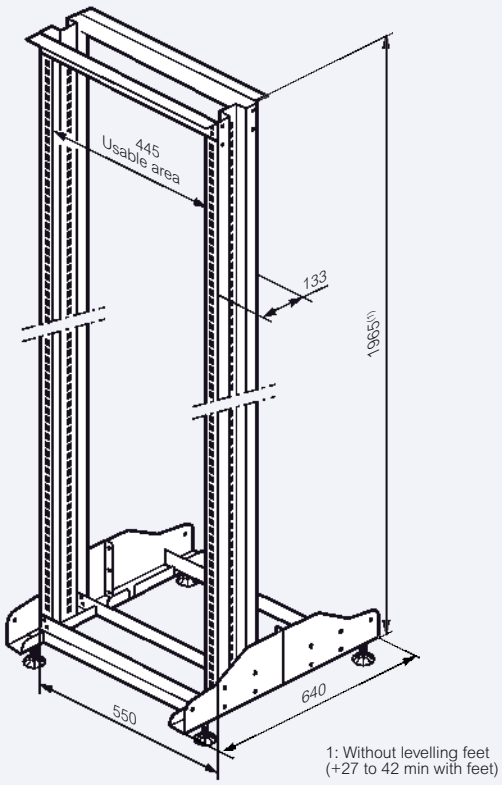
Bati-rack

Bati-rack general characteristics

Metal bati-rack. RAL 7035 textured polyester coating providing excellent resistance to corrosion and scratching. Perforations in 19" uprights: 9.5 x 9.5 mm. Permissible load: 300 kg

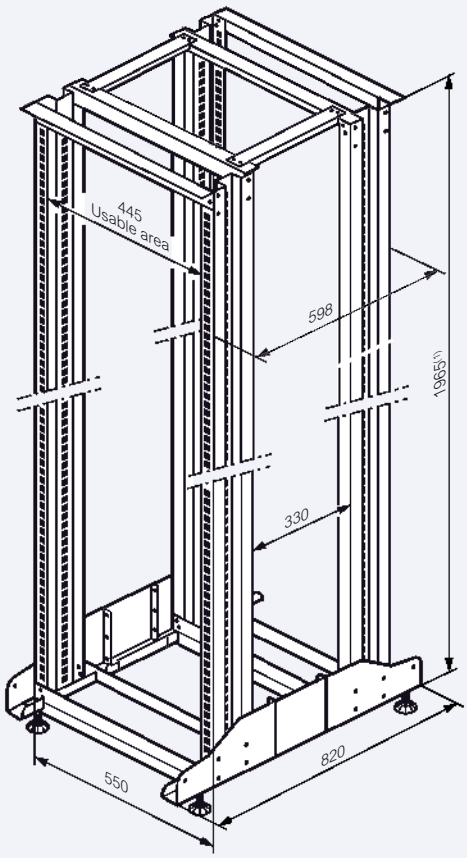
Dimensions (mm)

2-upright bati-rack Cat.No 0 463 95



1: Without levelling feet (+27 to 42 min with feet)

4-upright bati-rack Cat.No 0 463 96



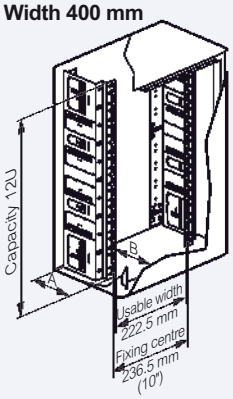
Wall-mounting rack for weatherproof cabinets

Rack mounting in weatherproof cabinets

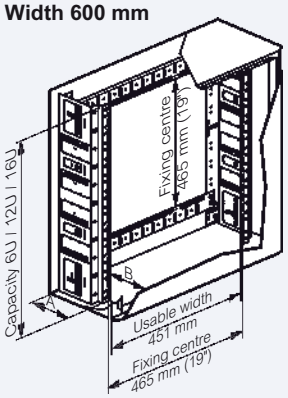
Perforations in uprights: 9.5 x 9.5 mm

Rack Cat.Nos	Capacity	Cat.Nos	Dimensions H x W x D (mm)	Usable dim. under door A (mm)	Usable dim. under door B (mm)
Atlantic cabinets					
0 462 27	6 U	0 355 06	400 x 600 x 250	145	105
0 462 28	12 U	0 355 08	600 x 400 x 250	145	105
0 462 28	12 U	0 355 10	600 x 600 x 250	145	105
0 462 28	12 U	0 355 20	600 x 600 x 300	145	155
0 462 28	12 U	0 355 36	600 x 600 x 400	145	255
0 462 28	12 U	0 355 21	600 x 800 x 300	145	155
0 462 29	16 U	0 355 14	800 x 600 x 250	145	105
0 462 29	16 U	0 355 23	800 x 600 x 300	145	155
0 462 29	16 U	0 355 28	800 x 600 x 400	145	255
0 462 29	16 U	0 355 15	800 x 800 x 250	145	105
0 462 29	16 U	0 355 24	800 x 800 x 300	145	155
Marina cabinets					
0 462 28	12 U	0 362 55/75	600 x 400 x 250	150	100
0 462 29	16 U	0 362 61/81	800 x 600 x 300	150	150

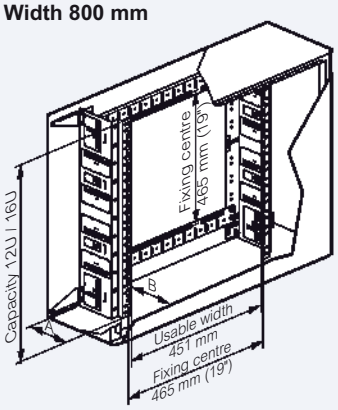
Width 400 mm



Width 600 mm

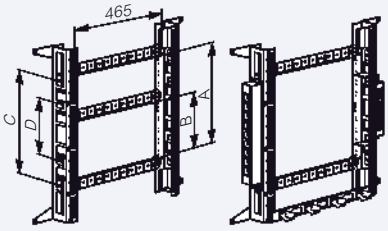


Width 800 mm



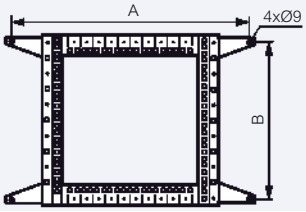
Depth adjusting aid with slides Cat.Nos 0 367 44/45 for Atlantic cabinets depth 300 and 400 mm

Rack fixing centres (mm)



Cat.Nos	Capacity	A	B	C	D
0 462 27	6 U	-	236.5	-	236.5
0 462 28	12 U	465	236.5	465	236.5
0 462 29	16 U	465	236.5	465	236.5

Wall fixing (mm)



Wall-mounting rack			
Cat.Nos	Capacity	A	B
0 462 27	6 U	725	325
0 462 28	12 U	725	525
0 462 29	16 U	725	725

DLPlus mini-trunking: profiles and accessories

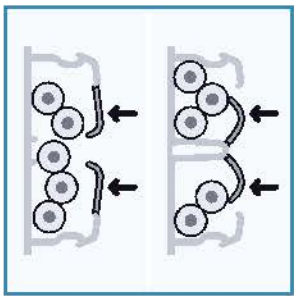
BODIES	SECTION	FINISHING ACCESSORIES						
Size and shape	Length 2.10 m	End cap	Internal angle	External angle	Flat angle	Cover joint	Flat T junction	Junction box
20 x 12.5	0 300 07 0 300 08	0 312 02	0 302 21	0 302 21	0 302 23	0 336 02	0 302 24	0 303 16[1]
32 x 12.5	0 300 14 0 300 15	0 312 03	0 302 51	0 302 51	0 302 53	0 336 03	0 302 54	0 303 16
32 x 16	0 308 04	0 312 07	0 333 25	0 333 25	0 333 27	0 336 04	0 333 30	0 303 16
40 x 20	0 300 27	0 312 11	0 302 81	0 302 81	0 302 83	0 336 06	0 302 08	0 303 16
60 x 20	0 301 14	0 302 90	0 302 91	0 302 92	0 302 93	0 336 08	0 302 09	0 303 16
75 x 20	0 300 33	0 303 00	0 303 01	0 303 02	0 303 03	0 336 09	0 302 18	0 303 16

1: Dimensions: 75 x 75 mm



Cable-grip

It makes the installation easier and faster by containing all the wires inside the trunking body before the cover is clipped



Comfortable implementation

- During installation, the conductors stay in place in the 1 or 2 compartment mini-trunking thanks to cable-grip membranes



Speed of installation

- Cable holding is integrated with the trunking (no staple to add)
- Easy conductors position
- Quick cover fitting

DLPlus mini-trunking: wiring accessories frames

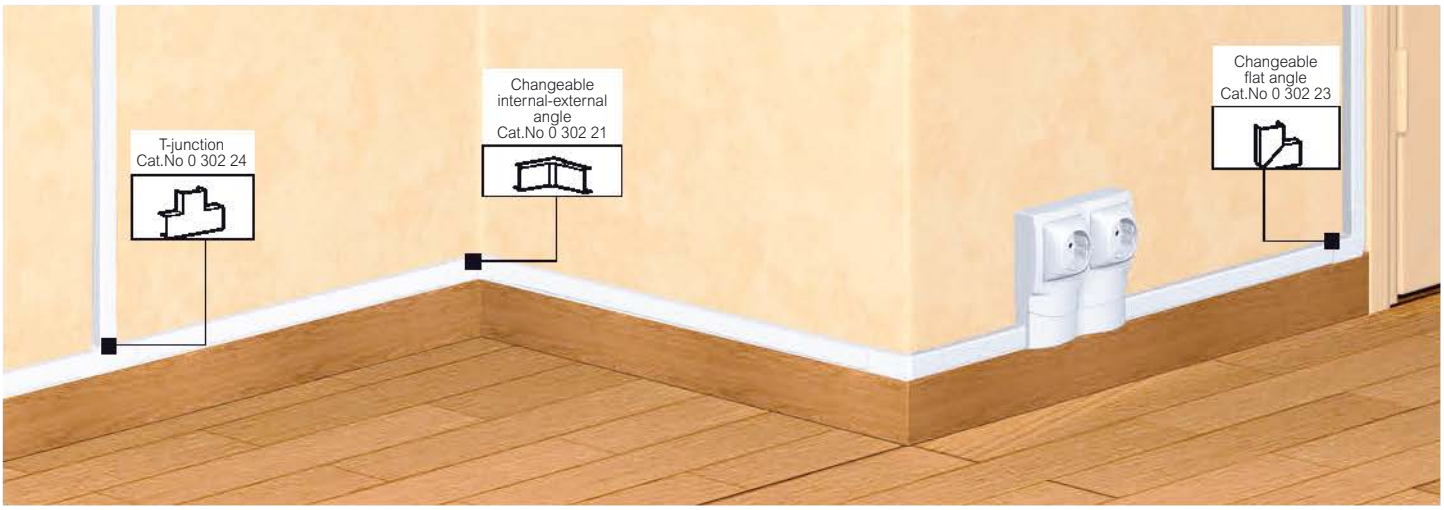
BODIES	MOSAIC FRAMES											
Size and shape	Installation at the end of the mini-trunking[1]						Installation alongside the mini-trunking[1]					
	2 modules[2]	3 modules	4 modules[3]	6 modules[4]	2 x 4 modules[5]	3 x 4 modules[6]	2 modules[2]	3 modules[3]	4 modules[4]	6 modules[5]	2 x 4 modules[6]	3 x 4 modules[7]
	1 frame + 1 adaptor						1 frame + 1 adaptor					
20 x 12.5	0 316 11 0 316 40	0 316 40	0 316 13 0 316 40	0 316 14 0 316 40	0 316 21 0 316 40	0 316 22 0 316 40	0 316 11 0 317 01	0 317 01	0 316 13 0 317 02	0 316 14 0 317 03	0 316 21 0 317 02	0 316 22 0 317 03
32 x 12.5	0 316 11 0 316 41	0 316 41	0 316 13 0 316 41	0 316 14 0 316 41	0 316 21 0 316 41	0 316 22 0 316 41	0 316 11 0 317 01	0 317 01	0 316 13 0 317 02	0 316 14 0 317 03	0 316 21 0 317 02	0 316 22 0 317 03
32 x 16	0 316 11 0 316 41	0 316 41	0 316 13 0 316 41	0 316 14 0 316 41	0 316 21 0 316 41	0 316 22 0 316 41	0 316 11 0 317 04	0 317 04	0 316 13 0 317 05	0 316 14 0 317 06	0 316 21 0 317 05	0 316 22 0 317 06
40 x 20	0 316 11 0 316 47	0 316 47	0 316 13 0 316 47	0 316 14 0 316 47	0 316 21 0 316 47	0 316 22 0 316 47	0 316 11 0 317 07	0 317 07	0 316 13 0 317 08	0 316 14 0 317 09	0 316 21 0 317 08	0 316 22 0 317 09
60 x 20	0 316 11 0 316 45	0 316 45	0 316 13 0 316 45	0 316 14 0 316 45	0 316 21 0 316 45	0 316 22 0 316 45	0 316 11 0 317 07	0 317 07	0 316 13 0 317 08	0 316 14 0 317 09	0 316 21 0 317 08	0 316 22 0 317 09
75 x 20	-	-	0 316 13 0 316 48	0 316 14 0 316 48	0 316 21 0 316 48	0 316 22 0 316 48	0 316 11 0 317 07	0 317 07	0 316 13 0 317 08	0 316 14 0 317 09	0 316 21 0 317 08	0 316 22 0 317 09

1: Use with Mosaic socket outlets
2: Frame dimensions: 127 x 74 x 60 mm
3: Frame dimensions: 149 x 74 x 60 mm
4: Frame dimensions: 172 x 74 x 60 mm
5: Frame dimensions: 217 x 74 x 60 mm
6: Frame dimensions: 162 x 167 x 60 mm
7: Frame dimensions: 228 x 167 x 60 mm

BODIES	Special surface mounting frames for wiring accessories (p. 732-734)		Surface mounting frames for 60 mm fixing centres wiring accessories (p. 735)		
Size and shape	Installation alongside the mini-trunking		Installation alongside the mini-trunking		
	1 gang for horizontal or vertical	2 gang for horizontal or vertical	1 gang for horizontal or vertical	2 gang for horizontal or vertical	3 gang for horizontal or vertical
20 x 12.5	0 314 04	0 314 14	0 316 94	0 316 95	0 316 96
32 x 12.5	0 314 04	0 314 14	0 316 94	0 316 95	0 316 96
32 x 16	0 314 56	0 314 66	0 316 94	0 316 95	0 316 96
40 x 20	0 314 08	0 314 18	0 316 94	0 316 95	0 316 96
60 x 20	0 314 08	0 314 18	0 316 94	0 316 95	0 316 96
75 x 20	0 314 08	0 314 18	0 316 94	0 316 95	0 316 96

DLPlus mini-trunking 20 x 12.5 and 32 x 12.5

profiles and finishing accessories

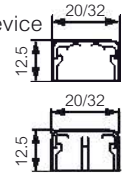


Selection chart **p. 730-731**
Wiring capacity chart **see e-catalogue**

Mini-trunking

EN 50085-2-1 approved

Pack	Cat.Nos 20 x 12.5	Cat.Nos 32 x 12.5	
			Without central partition
			Mini-trunking with cable grip
			Equipped with an integrated device for holding cables in place
120[1]|80[1]	0 300 08	0 300 15	Length 2.10 m
			With central partition
120[1]|80[1]	0 300 07	0 300 14	Length 2.10 m



Finishing accessories

Pack	Cat.Nos 20 x 12.5	Cat.Nos 32 x 12.5	
20	0 312 02	0 312 03	End cap
10	0 302 21	0 302 51	Changeable internal-external angle
10	0 302 23	0 302 53	Changeable flat angle
20	0 336 02	0 336 03	Cover joint
10	0 302 24	0 302 54	Flat T-junction

1: Number of metres in pack

Special frames

Pack	Cat.Nos	
		Supplied with end cap and divider for separation of currents
		Installation alongside the mini-trunking
		For vertical or horizontal mounting of surface mounting wiring accessories (p. 738)
10	0 314 04	1 gang
5	0 314 14	2 gang

Adaptors

Pack	Cat.Nos	
		Adaptor for mounting Mosaic frames at end of the mini-trunking
10	0 316 40	For 20 x 12.5 mini-trunking
10	0 316 41	For 32 x 12.5 mini-trunking
		Adaptor for mounting Mosaic frames alongside the mini-trunking
10	0 317 01	For Mosaic frames Cat.Nos 0 316 11
10	0 317 02	For Mosaic frames Cat.Nos 0 316 13 and 0 316 21
5	0 317 03	For Mosaic frames Cat.Nos 0 316 14 and 0 316 22

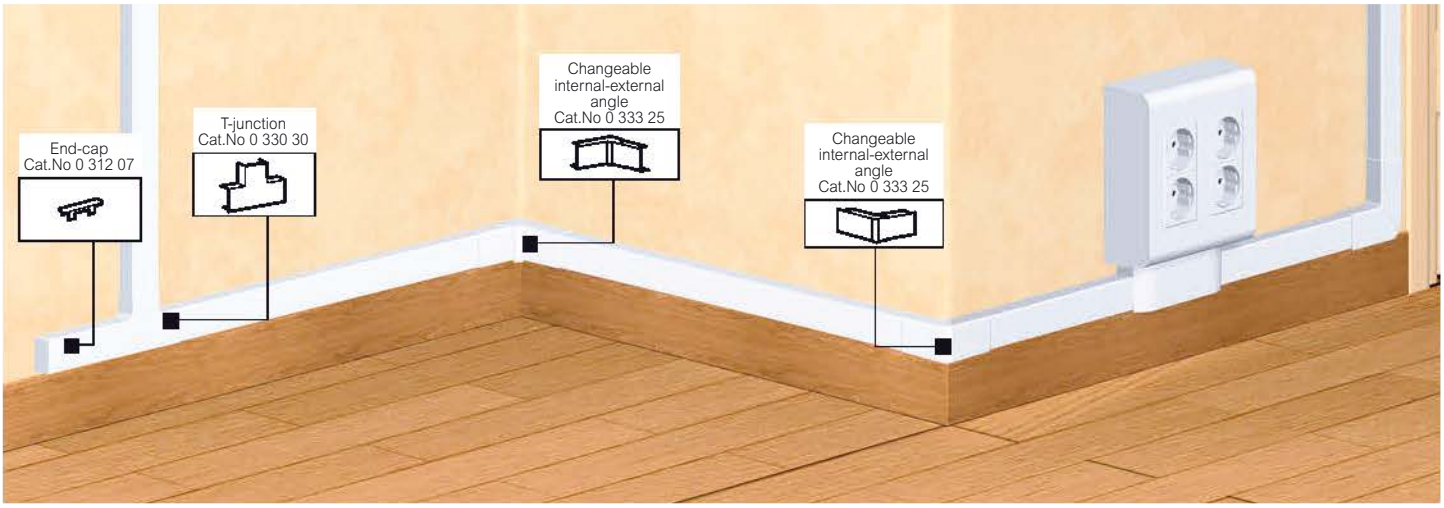
Connection of luminaires **p. 735**

Other frames for wiring accessories **p. 735**

Surface-mounting wiring accessories **p. 738**

DLPlus mini-trunking 32 x 16 and 40 x 20

profiles and finishing accessories



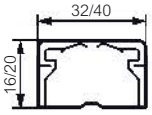
Selection chart **p. 730-731**
Wiring capacity chart **see e-catalogue**

Mini-trunking with cable grip

Pack	Cat.Nos 32 x 16	Cat.Nos 40 x 20
60[1] | 48[1]	0 308 04	0 300 27

EN 50085-2-1 approved
Equipped with an integrated device for holding cables in place

Without central partition
Length 2.10 m



Finishing accessories

Pack	32 x 16	40 x 20	
10	0 312 07	0 312 11	End cap
10	0 333 25	0 302 81	Changeable internal-external angle
10	0 333 27	0 302 83	Changeable flat angle
20	0 336 04	0 336 06	Cover joint
10	0 333 30	0 302 08	Flat T-junction

Special frames

Supplied with end cap and divider for separation of currents

Installation alongside the mini-trunking
For vertical or horizontal mounting of surface mounting wiring accessories (p. 738)

Pack	32 x 16	40 x 20	
10	0 314 56	0 314 08	1 gang
5	0 314 66	0 314 18	2 gang

1: Number of metres in pack

Adaptors

Pack	32 x 16	40 x 20	
10	0 316 41	0 316 47	**Adaptors for mounting Mosaic frames at end of the mini-trunking** For 32 x 16 and 40 x 20 mini-trunking
10	0 317 04	0 317 07	**Adaptors for mounting Mosaic frames alongside the mini-trunking** For Mosaic frames Cat.Nos 0 316 11
5	0 317 05	0 317 08	For Mosaic frames Cat.Nos 0 316 13 and 0 316 21
5	0 317 06	0 317 09	For Mosaic frames Cat.Nos 0 316 14 and 0 316 22

Connection of luminaires **p. 735**

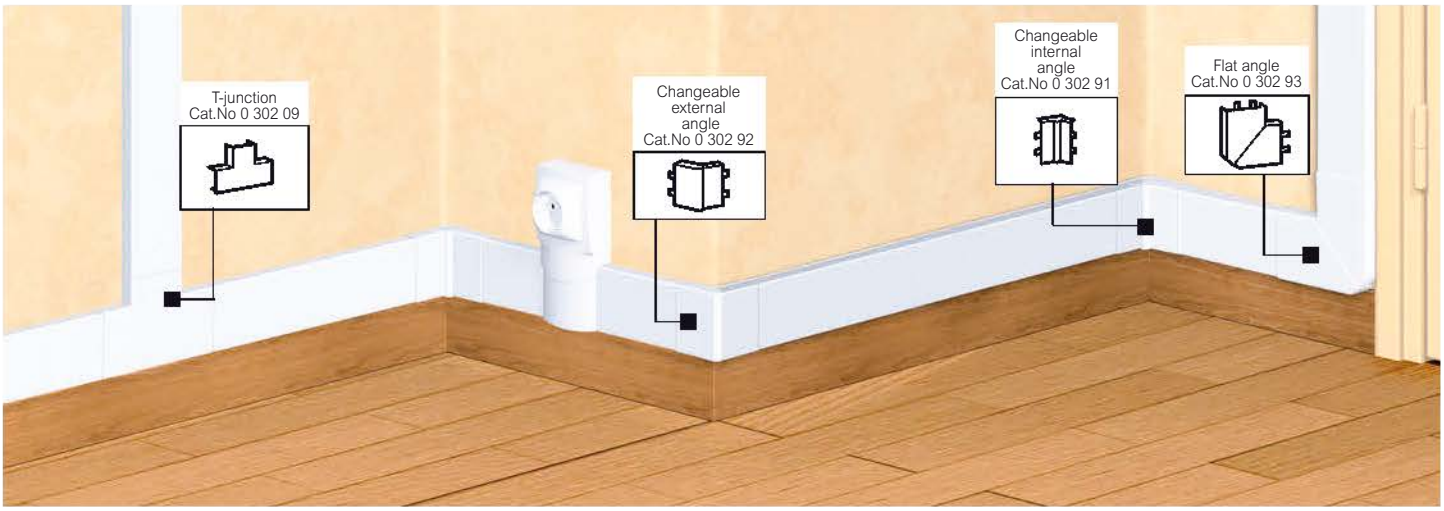
Junction boxes **p. 735**

Other frames for wiring accessories **p. 735**

Surface-mounting wiring accessories **p. 738**

DLPlus mini-trunking 60 x 20 and 75 x 20

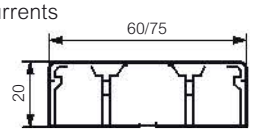
profiles and finishing accessories



Selection chart **p. 730-731**
Wiring capacity chart **see e-catalogue**

3-compartment mini-trunking

Pack	Cat.Nos 60 x 20	Cat.Nos 75 x 20	
32[1] | 20[1]	0 301 14	0 300 33	3 compartments for distribution of high and low currents. Length 2.10 m. White



Finishing accessories

Pack	Cat.Nos 60 x 20	Cat.Nos 75 x 20	
10	0 302 90	0 303 00	End cap
10	0 302 91	0 303 01	Changeable internal angle
10	0 302 92	0 303 02	Changeable external angle
10	0 302 93	0 303 03	Flat angle
20	0 336 08	0 336 09	Cover joint
10	0 302 09	0 302 18	Flat T-junction
1	0 328 05		Junction to floor duct

Special frames

Supplied with end cap and divider for separation of currents

Installation alongside the mini-trunking

For vertical or horizontal mounting of surface mounting wiring accessories (p. 738)

Pack	Cat.Nos	
10	0 314 08	1 gang
5	0 314 18	2 gang

1: Number of metres in pack

Adaptors

Pack	Cat.Nos	
		Adaptors for mounting Mosaic frames at the end of the mini-trunking
10	0 316 45	For 60 x 20 mini-trunking
10	0 316 48	For 75 x 20 mini-trunking (for 4 and 6 modules only)
		Adaptors for mounting Mosaic frames alongside the mini-trunking
10	0 317 07	For Mosaic frames Cat.Nos 0 316 11
5	0 317 08	For Mosaic frames Cat.Nos 0 316 13 and 0 316 21
5	0 317 09	For Mosaic frames Cat.Nos 0 316 14 and 0 316 22

Other frames for wiring accessories **(see opposite)**

Surface-mounting wiring accessories **p. 738**

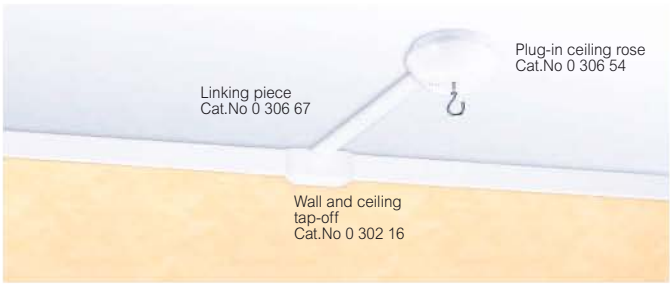
DLPlus mini-trunking

frames and installation accessories













Pack	Cat.Nos	Mosaic frames
		Supplied with support, plate and divider for separation of currents Vertical or horizontal mounting To be used with 2 module Mosaic sockets
10	0 316 11	2 modules
5	0 316 13	4 modules (for horizontal mounting only)
5	0 316 14	6 modules (for horizontal mounting only)
10	0 316 21	2 x 4 modules
10	0 316 22	3 x 4 modules

Pack	Cat.Nos	Junction boxes
		White
10	0 303 16	75 x 75 x 35 mm
10	0 303 26	110 x 110 x 50 mm
10	0 303 36	150 x 150 x 65 mm

Pack	Cat.Nos	60 mm fixing centres wiring accessories frames
		Installation alongside the mini-trunking Supplied with divider for separation of currents
5	0 316 94	1 gang, for vertical or horizontal mounting
5	0 316 95	2 gang, for horizontal mounting
5	0 316 96	3 gang, for horizontal mounting

Pack	Cat.Nos	Connection of luminaires
10	0 306 54	Plug-in ceiling rose unit supplied complete with connector hook and locking nut Maximum suspended weight: 25 kg as long as unit is equipped with a suitable fixing device
135	0 306 67	Linking piece between the above unit and the ring trunking Length 3 m
10	0 302 16	Wall and ceiling tap-off for 40 x 20 mini-trunking
10	0 302 26	Wall and ceiling tap-off for 60/75 x 20 mini-trunking
10	0 333 17	Wall and ceiling tap-off for 32 x 12.5 mini-trunking
10	0 333 29	Wall and ceiling tap-off for 32 x 16 mini-trunking

Pack	Cat.Nos	Cutting accessory for trunking
1	0 306 98	DLPlus cutting unit For cutting all plastic trunking Avoids vibration when cutting bases and covers Aluminium Dim.: 225 x 142 x 76 mm

Pack	Cat.Nos	Insulation accessory
10	0 304 18	Base joint Adjustable wall insulation joint, supplied in 5 m lengths Provides continuity between the trunking and the wall, in particular in internal angles

Pack	Cat.Nos	Fixing accessories for trunkings
		For fixing all plastic trunkings
		Wall plugs for immediate fixing No screws or nails required
100	0 308 98	For mini-trunking
100	0 308 99	For mini-trunking, skirting trunking and trunking
		Cartridge of Neoprene
12	0 309 49	Adhesive for glue gun
		DLP rapid wall plug
200	0 308 97	For 10 mm min. plasterboard walls at least 20 mm away from the concrete surface For fixing DLP plastic trunking in a single operation Used with a special tool for drill (Ø8 mm), supplied in each pack of 200 wall plugs Tensile resistance: 25 kg

Surface-mounting wiring accessories **p. 738**

LED system mini-trunking 40 x 12.5
profiles and finishing accessories

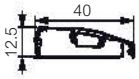

0 190 71

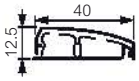

0 190 75


0 190 78

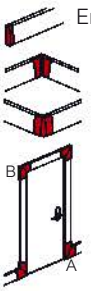

0 190 93 + 0 190 71

Pack	Cat.Nos	Mini-trunking
		Mini-trunking modules equipped with LED lights covers for contemporary mood lighting To be equipped with drivers Cat.No 0 190 90/91/92 (see opposite) according to required power Can take Mosaic or Arteor wiring accessories via support frame Cat.No 0 190 78
		White colour LED modules
2	0 190 70	Length 0.5 m
2	0 190 71	Length 1 m
2	0 190 72	Length 2 m
1	0 190 73	Door frame kit
		Blue colour LED modules
2	0 190 74	Length 0.5 m
2	0 190 75	Length 1 m
2	0 190 76	Length 2 m
1	0 190 77	Door frame kit
		Mini-trunking without LED
72[1]	0 190 03	Length 2.1 m Supplied with cover With separation partition





Pack	Cat.Nos	Finishing accessories
10	0 190 36	End cap
10	0 190 16	Changeable internal angle
10	0 190 12	Changeable external angle
10	0 190 24	Flat angle B
10	0 190 20	Flat angle A
10	0 190 40	Cover joint



Pack	Cat.Nos	Mosaic / Arteor support frame
1	0 190 78	For LED system mini-trunking and plinth 4 modules (for horizontal mounting only) To be used with 2-module Mosaic or Arteor sockets

1: Number of meters in pack

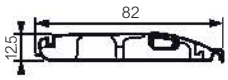
DLPlus mini-trunking **p. 732 to 734**

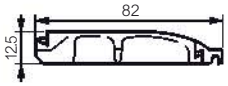
LED system plinth 82 x 12.5
profiles and finishing accessories


0 190 81


0 190 84

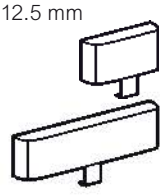
Pack	Cat.Nos	Plinth
		Plinth modules equipped with LED lights covers for contemporary mood lighting To be equipped with drivers Cat.No 0 190 90/91/92 (see opposite) according to required power Can take Mosaic or Arteor wiring accessories via support frame Cat.No 0 190 78
		White colour LED modules
1	0 190 80	Length 0.5 m
1	0 190 81	Length 1 m
1	0 190 82	Length 2 m
		Blue colour LED modules
1	0 190 83	Length 0.5 m
1	0 190 84	Length 1 m
1	0 190 85	Length 2 m
		Plinth without LED
30[1]	0 190 06	Length 2.1 m Supplied with cover With separation partition





Pack	Cat.Nos	Finishing accessories
10	0 190 49	End cap
5	0 190 45	Changeable internal angle
5	0 190 43	Changeable external angle
10	0 190 53	Right-hand flat junction
10	0 190 54	Left-hand flat junction
10	0 190 51	Cover joint
5	0 190 47	Junction to 30 x 12.5 mm and 40 x 12.5 mm mini-trunking

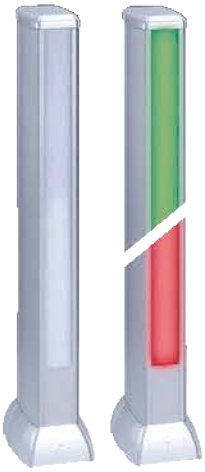
Pack	Cat.Nos	Fixing accessories for drivers
		For fixing drivers alongside LED system mini-trunkings and plinths
		Surface mounting
		Supplied with two adaptors (for 40 x 12.5 mm respectively 80 x 12.5 mm profiles)
1	0 190 93	For 10 W driver Cat.No 0 190 90
1	0 190 94	For 35 and 60 W drivers Cat.No 0 190 91/92
		Flush-mounting
5	0 190 96	For 35 and 60 W drivers Cat.No 0 190 91/92



1: Number of meters in pack

Arteor wiring accessories **p. 369 to 371**
Mosaic wiring accessories **p. 792-793**

LED system covers for snap-on DLP trunking and columns



0 190 99 + 6 038 05 (p. 767)

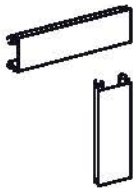


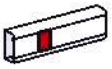
0 190 90



0 190 87 + 0 756 03 (p. 748)

Pack	Cat.Nos	LED system covers for snap-on DLP trunking and columns
		45 mm width covers with LED lights, to be installed on snap-on DLP trunking (p. 745 to 751) and columns (p. 767) instead of the standard cover supplied with the body To be equipped with drivers Cat.No 0 190 90/91/92 according to required power
		White colour LED modules
1	0 190 86	Length 0.5 m
1	0 190 87	Length 1 m
1	0 190 88	Length 2 m
		Red / green colour LED module
1	0 190 99	Length 0.5 m



		Cover joint
10	6 380 00	 Width 45 mm

		Drivers for LED sytem mini-trunkings, plinths & covers
1	0 190 90	10 W - for a maximum length of 2 m
1	0 190 91	35 W - for a maximum length of 6 m
1	0 190 92	60 W - for a maximum length of 10 m



		Links
1	0 190 97	Length 0.3 m
1	0 190 98	Length 3 m

LED system flush-mounting lighting modules



6 607 80



6 607 81



6 607 85

Pack	Cat.Nos	Flush-mounting LED lighting modules
		IP 44 - IK 07 (IP 40 for the automatic switch version) Aluminium-polycarbonate
		1.2 W - 40 lm - for way guidance Total consumption: 1.4 W Color temperature: 3000 K 262 x 87 mm
1	6 607 80	White finish
1	6 607 81	Aluminium finish
1	6 607 82	Black finish
		4 W - 300 lm Total consumption: - standard version: 4.2 W - automatic switch version: 4.4 W Color temperature: 4000 K 355 x 87 mm
1	6 607 83	White finish
1	6 607 84	Aluminium finish
1	6 607 85	Black finish
1	6 607 86	White finish with automatic switch (IR detection)
1	6 607 87	Aluminium finish with automatic switch (IR detection)
		7 W - 600 lm Total consumption: - standard version: 7.2 W - automatic switch version: 7.4 W Color temperature: 4000 K 355 x 87 mm
1	6 607 88	White finish
1	6 607 89	Aluminium finish
1	6 607 90	Black finish
1	6 607 91	White finish with automatic switch (IR detection)
1	6 607 92	Aluminium finish with automatic switch (IR detection)

Snap-on DLP trunking **p. 745 to 759**
Snap-on aluminium columns **p. 767**

Surface-mounting wiring accessories



0 860 01



0 860 31



0 860 40

Pack	Cat.Nos	Switches
10	0 860 01	Two-way switch 10 AX - 250 V~
10	0 860 06	Push-button - NO - 6 A - 250 V~
		Socket outlets
10	0 860 31	2P+E socket outlet German standard 16 A - 250 V~ shuttered for child safety
10	0 860 29	2P+E socket outlet German standard 16 A - 250 V~
		TV socket
10	0 860 40	TV single socket - 0 - 2400 MHz

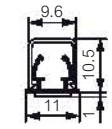
Cable guide with adhesive

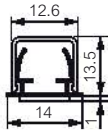
0 300 98



0 300 99

Pack	Cat.Nos	Cable guide with adhesive
		This cable guide is used to rapidly attach a cable to a wall without damaging It is equipped with a double base insulating the nail or the staple from the cable 2 mounting systems are provided: - nail or staple mounting The base is pre-drilled every 10 cm - adhesive foam mounting: foam base equipped with a self-adhesive film (1 mm thick) Length: 2.10 m Supplied with cover Material: PVC
132[1]	0 300 98	For cable Ø3 to 6 mm
90[1]	0 300 99	For cable Ø7 and 9 mm



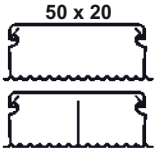
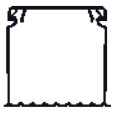


1: Number of metres in pack

When removing the frame, can be installed in DLPlus mini-trunking systems **p. 732 to 734**

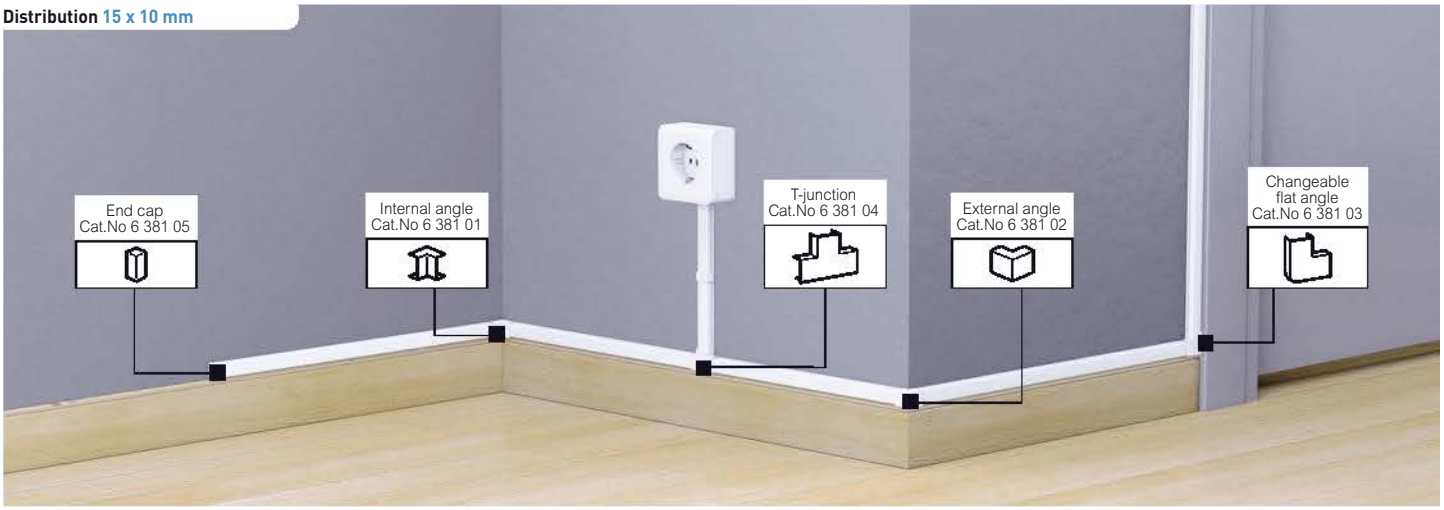
Distribution mini-trunking with adhesive **p. 740-741**

Distribution mini-trunking: profiles and accessories

BODIES	SECTION		FINISHING ACCESSORIES					
Size and shape	Length 2 m		End cap	Internal angle	External angle	Flat angle	Cover joint	Flat T-junction
	Wall plugs	With adhesive						
15 x 10	6 381 00	6 381 09	6 381 05	6 381 01	6 381 02	6 381 03	6 381 06	6 381 04
20 x 12 	6 381 20	6 381 29	6 381 25	6 381 21	6 381 22	6 381 23	6 381 26	6 381 24
24 x 14 	6 381 30	6 381 39	6 381 35	6 381 31	6 381 32	6 381 33	6 381 36	6 381 34
16 x 16 	6 381 10	6 381 19	6 381 15	6 381 11	6 381 12	6 381 13	6 381 16	6 381 14
32 x 16 	6 381 40	6 381 49	6 381 45	6 381 41	6 381 42	6 381 43	6 381 46	6 381 44
40 x 16 	6 381 50	6 381 59	6 381 55	6 381 51	6 381 52	6 381 53	6 381 56	6 381 54
50 x 20 	6 381 60	-	6 381 65	6 381 61	6 381 62	6 381 63	6 381 66	6 381 64
	6 381 68	-						
60 x 20 	6 381 70	-	6 381 75	6 381 71	6 381 72	6 381 73	6 381 76	6 381 74
40 x 40 	6 381 80	-	6 381 85	6 381 81	6 381 82	6 381 83	6 381 86	6 381 84

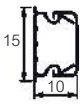
Distribution mini-trunking 15 x 10 / 20 x 12 / 24 x 14 and 16 x 16

Distribution 15 x 10 mm



Selection chart **p. 739**
Technical characteristics **see e-catalogue**

15 x 10 mm mini-trunking

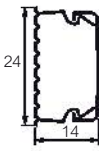


Pack	Cat.Nos	
154[1]	6 381 00	Without central partition Conform to EN 50085-2-1 To be fixed with wall plugs Supplied in 77 lengths of 2 metres
80[1]	6 381 09	With adhesive Supplied in 40 lengths of 2 meters

Finishing accessories for 15 x 10 mm mini-trunking

Pack	Cat.Nos	
10	6 381 05	End cap
10	6 381 01	Internal angle
10	6 381 02	External angle
10	6 381 03	Flat angle
10	6 381 06	Cover joint
10	6 381 04	Flat T-junction

24 x 14 mm mini-trunking

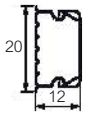


Pack	Cat.Nos	
70[1]	6 381 30	Without central partition Conform to EN 50085-2-1 To be fixed with wall plugs Supplied in 35 lengths of 2 metres
66[1]	6 381 39	With adhesive Supplied in 33 lengths of 2 metres

Finishing accessories for 24 x 14 mm mini-trunking

Pack	Cat.Nos	
10	6 381 35	End cap
10	6 381 31	Internal angle
10	6 381 32	External angle
5	6 381 33	Flat angle
10	6 381 36	Cover joint
5	6 381 34	Flat T-junction

20 x 12 mm mini-trunking

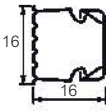


Pack	Cat.Nos	
96[1]	6 381 20	Without central partition Conform to EN 50085-2-1 To be fixed with wall plugs Supplied in 48 lengths of 2 metres
42[1]	6 381 29	With adhesive Supplied in 21 lengths of 2 meters

Finishing accessories for 20 x 12 mm mini-trunking

Pack	Cat.Nos	
10	6 381 25	End cap
10	6 381 21	Internal angle
10	6 381 22	External angle
10	6 381 23	Flat angle
10	6 381 26	Cover joint
10	6 381 24	Flat T-junction

16 x 16 mm mini-trunking



Pack	Cat.Nos	
150[1]	6 381 10	Without central partition Conform to EN 50085-2-1 To be fixed with wall plugs Supplied in 75 lengths of 2 metres
50[1]	6 381 19	With adhesive Supplied in 23 lengths of 2 metres

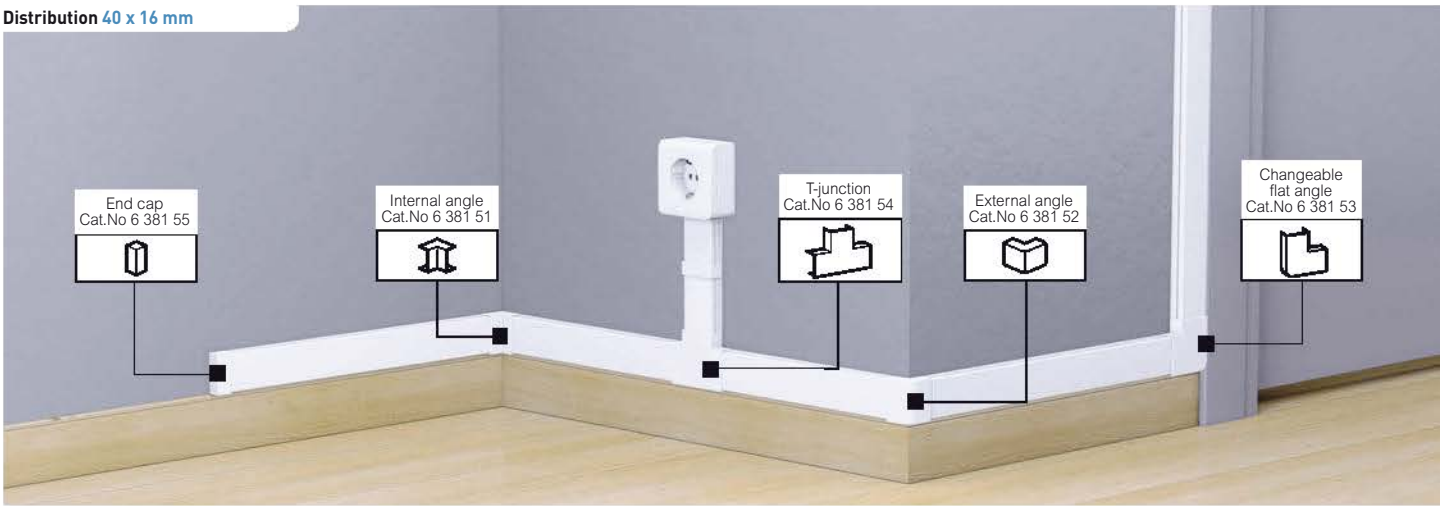
Finishing accessories for 16 x 16 mm mini-trunking

Pack	Cat.Nos	
10	6 381 15	End cap
10	6 381 11	Internal angle
10	6 381 12	External angle
10	6 381 13	Flat angle
10	6 381 16	Cover joint
10	6 381 14	Flat T-junction

1: Number of meters in pack

Distribution mini-trunking 32 x 16 / 40 x 16 / 50 x 20 / 60 x 20 and 40 x 40

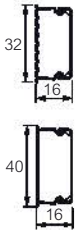
Distribution 40 x 16 mm



Selection chart **p. 739**
Technical characteristics **see e-catalogue**

32 x 16 and 40 x 16 mm mini-trunking

Pack	32 x 16	40 x 16	
80[1]	6 381 40		Without central partition Conform to EN 50085-2-1 To be fixed with wall plugs Supplied in 40 lengths of 2 metres
36[1]	6 381 49		With adhesive Supplied in 18 lengths of 2 metres
60[1]		6 381 50	To be fixed with wall plugs Supplied in 30 lengths of 2 metres
60[1]		6 381 59	With adhesive Supplied in 30 lengths of 2 metres

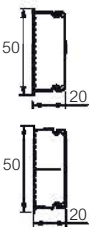


Finishing accessories for 32 x 16 and 40 x 16 mm mini-trunking

Pack	32 x 16	40 x 16	
10	6 381 45	6 381 55	End cap
10	6 381 41	6 381 51	Internal angle
5 | 10	6 381 42	6 381 52	External angle
10	6 381 43	6 381 53	Flat angle
10	6 381 46	6 381 56	Cover joint
10	6 381 44	6 381 54	Flat T-junction

50 x 20 and 60 x 20 mm mini-trunking

Pack	50 x 20	60 x 20	
40[1] | 32[1]	6 381 60	6 381 70	Conform to EN 50085-2-1 **Without central partition** Length 2 m Supplied in 20 or 16 length of 2 metres
40[1]	6 381 68		**With central partition** Length 2 m Supplied in 20 lengths of 2 metres



Finishing accessories for 50 x 20 and 60 x 20 mm mini-trunking

Pack	50 x 20	60 x 20	
5 | 5	6 381 65	6 381 75	End cap
5 | 5	6 381 61	6 381 71	Internal angle
5 | 5	6 381 62	6 381 72	External angle
5 | 5	6 381 63	6 381 73	Flat angle
5 | 5	6 381 66	6 381 76	Cover joint
5 | 5	6 381 64	6 381 74	Flat T-junction

40 x 40 mm mini-trunking

Pack	Cat.Nos	
24	6 381 80	Length 2 m Supplied in 12 lengths of 2 metres Conform to EN 50085-2-1 Without central partition



Finishing accessories for 40 x 40 mm mini-trunking

Pack	Cat.Nos	
10	6 381 85	End cap
5	6 381 81	Internal angle
5	6 381 82	External angle
5	6 381 83	Flat angle
10	6 381 86	Cover joint
5	6 381 84	Flat T-junction

1: Number of meters in pack

Choose your colour

Three colours of snap-on trunking for a perfect integration in any environment

Main benefits

- 1 catalogue number = trunking + body + dividers
- Perfect separation of high and low currents and large capacity in each compartment
- Ingenious accessories for simple, intuitive installation



Black edition snap-on trunking, p. 745



White snap-on trunking, p. 747



Grey snap-on trunking, p. 750

MORE INFORMATION



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E-catalogue

Snap-on DLP trunking

routing sections and accessories

TRUNKING			TRUNKING		
Number of compartments	Cover width	Cross-section (mm)	Monobloc: body + cover(1)	Divider	Fishplate body joint
SNAP-ON TRUNKING - 45 mm cover					
	45	50 x 80	● 0 757 50	0 756 09	-
			○ 0 756 01	0 756 09	0 756 61
			◉ 0 758 00	0 756 09	0 758 30
	45	50 x 105	0 756 02	0 756 09	0 756 62
	45 45	50 x 130	● 0 757 52	-	-
			○ 0 756 03	-	0 756 61
			◉ 0 758 02	-	0 758 30
	45 45	50 x 145	0 756 04	-	0 756 63
	45 45 45	50 x 180	○ 0 756 06	-	0 756 61
			◉ 0 758 04	-	0 758 30

1: Partition(s) integral to the body
2: Internal and external corner angles supplied with multi-compartment partition joint

Mechanisms for snap-on DLP trunking

Mounting functions		
The Soluclip accessory is very easy to install with any Mosaic or Arteor function and offers the following features: - Anti-slip - Anti-pullout - IP 4X - Perfect cover finish		○ 0 756 90 ● 0 757 86 ◉ 0 758 36

Sockets for snap-on trunking					
Sockets for snap-on trunking have been specially designed to meet the requirements for installation and use in total compliance with the new standard EN 50085-2-1. The sockets are fitted with the Soluclip accessory which has the following features: - Anti-slip - Anti-pullout - IP 4X - Perfect finish					
		Standard	Tamperproof	Red	Black
2 x 2P+E		0 772 02	0 772 22	0 772 42	0 772 32
3 x 2P+E		0 772 03	0 772 23	0 772 43	0 772 33
Tap-off accessory		0 771 06			-
2 x RJ 45 Cat. 6 - FTP		0 765 46			0 794 85
2 x RJ 45 Cat. 5e - FTP		0 765 42			-
1 x RJ 45 Cat. 6 - UTP		-	-	-	0 794 81
2 x RJ 45 Cat. 6 - STP		-	-	-	0 794 86

AND ACCESSORIES			ANGLES			JUNCTIONS				ACCESSORIES	
Stick-on body joint	Cover joint	End cap	Internal angles(2)	External angles	Flat angles	Flat junctions with width 80 mm	Flat junctions with width 105 mm	Angled junctions 85/105/ 130 mm	Junction with floor duct 50 x 12/ 92 x 20	Extra cover	Adaptor for modular wiring accessories
0 757 80	0 757 85	0 757 55	0 757 60	0 757 65	0 757 70	0 757 75	-	-	-	0 757 79	-
0 756 66	0 756 69	0 756 11	0 756 21	0 756 31	0 756 41	0 756 71	-	0 756 81 + 0 756 21	0 756 88	0 756 08	0 310 69
0 758 33	0 758 35	0 758 05	0 758 10	0 758 15	0 758 20	0 758 25	-	-	-	0 758 29	-
0 756 67	0 756 69	0 756 12	0 756 22	0 756 32	0 756 42	0 756 72	0 756 76	0 756 81 + 0 756 22	0 756 88	0 756 08	0 310 69
0 757 80	2 x 0 757 85	0 757 57	0 757 62	0 757 67	0 757 72	0 757 75	-	-	-	0 757 79	-
0 756 66	2 x 0 756 69	0 756 13	0 756 23	0 756 33	0 756 43	0 756 71	0 756 75	0 756 81 + 0 756 23	0 756 88	0 756 08	0 310 69
0 758 33	0 758 35	0 758 07	0 758 12	0 758 17	0 758 22	0 758 25	-	-	-	0 758 29	-
① 0 756 66 + ② 0 756 67	2 x 0 756 69	0 756 14	0 756 24	0 756 34	0 756 44	① 0 756 71 + ② 0 756 72	① 0 756 75 + ② 0 756 76	0 756 81 + 0 756 24	0 756 88	0 756 08	0 310 69
0 756 66	3 x 0 756 69	0 756 16	0 756 26	0 756 36	0 756 36	0 756 71	0 756 75	0 756 81 + 0 756 26	0 756 88	0 756 08	0 310 69
0 758 33	0 758 35	0 758 09	0 758 14	0 758 19	0 758 24	0 758 25	-	-	-	0 758 29	-

Installation principle for sockets for snap-on trunking



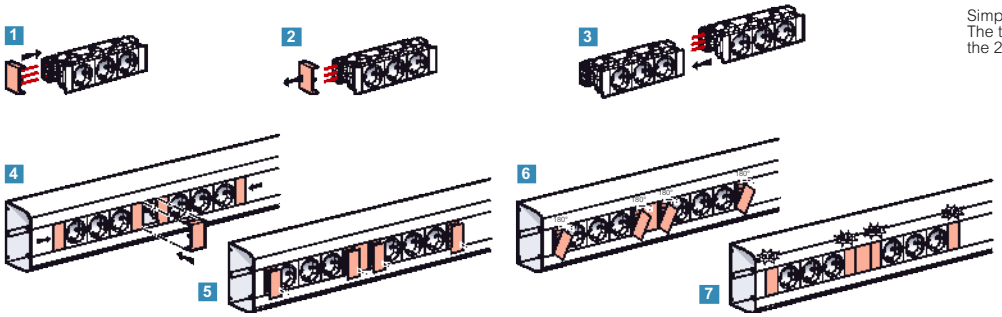
1. Snap the sockets directly into the trunking
2. Install the covers
3. Disengage the finishing piece
4. Rotate the finishing piece by 180°
5. Snap on the finishing piece
6. An impeccable result

Installation principle for Mosaic or Arteor functions



1. Snap on the mechanism and fix with Soluclips
2. Install the covers
3. Disengage the finishing piece
4. Rotate the finishing piece by 180°
5. Snap on the finishing piece
6. An impeccable result

Operating principle for the tap-off accessory



Simple, intuitive tap-off from 2 socket blocks
The tap-off accessory also acts as a finishing piece for the 2 socket blocks

Sockets for snap-on DLP trunking black edition 50 x 80 and 50 x 130

DLP black edition

Modern design and time saving thanks to the snap-on trunking system

Main benefits

- Black colour for a modern style
- Quick and easy installation thanks to flexible cover and finishing accessories
- Can be equipped with power and data sockets for snap-on trunking



Black edition snap-on trunking, p. 745



- 2 sizes supplied complete: body + cover + dividers



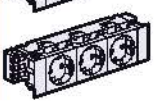
- Sockets with Soluclip guaranteed anti-pullout



0 772 32



0 772 33

Pack	Cat.Nos	Sockets for snap-on trunking
		Sockets with connection at both sides for snap-on mounting on trunking with 45 mm cover Particularly suitable for installation on snap-on trunking (see opposite) The socket incorporates the Soluclip accessory to hold the socket in place and comply with the standard Connected with automatic terminals
	Black	**German standard**
10	0 772 32	2 x 2 P+E 
10	0 772 33	3 x 2 P+E 
		Cat.6 UTP
10	0 794 81	1 module 
		Cat.6 FTP
10	0 794 85	2 modules 
		Cat.6 STP
10	0 794 86	2 modules 
		Soluclip accessory
	Black	
10	0 757 86	For installation with any Mosaic or Arteor function 

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Workstation solutions guide

Snap-on DLP trunking black edition – 45 mm cover 50 x 80 and 50 x 130

Cat.Nos for trunking 50 x 80



Cat.Nos for trunking 50 x 130



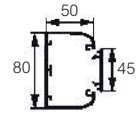
Selection chart **p. 742-743**

Snap-on trunking "Black edition"

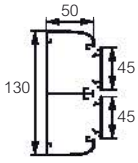
Pack	Cat.Nos 50 x 80	Cat.Nos 50 x 130
20[1]	0 757 50	
12[1]		0 757 52

Can take any Mosaic or Arteor wiring accessory
Length: 2 m

50 x 80 snap-on trunking
1-compartment trunking
Includes: 1 body, 1 cover width 45



50 x 130 snap-on trunking
2-compartment trunking
Includes: 1 body with 2 compartments, 2 covers width 45



Angles for snap-on trunking "Black edition"

Pack	Cat.Nos 50 x 80	Cat.Nos 50 x 130	
10 | 5	0 757 60	0 757 62	Internal angle, varies from 80° to 100°
10 | 5	0 757 65	0 757 67	External angle, varies from 85° to 120°
10 | 5	0 757 70	0 757 72	Flat angle at 90°

End cap for snap-on trunking "Black edition"

Pack	Cat.Nos 50 x 80	Cat.Nos 50 x 130	
10 | 5	0 757 55	0 757 57	Left or right end cap

Flat junctions

Pack	Cat.Nos	
5	Black 0 757 75	With 80 and 130 mm wide sections Creates a junction with snap-on trunking 50 x 80 mm

Extra cover

Pack	Cat.Nos	
20[1]	Black 0 757 79	Width 45 mm Length 2 m

Extra partition

Pack	Cat.Nos	
26[1]	White 0 756 09	Divider Length 2 m

Joint

Pack	Cat.Nos	
20	Black 0 757 80	Stick-on body joint

Cover joint

Pack	Cat.Nos	
10	Black 0 757 85	Width 45 mm

1: Number of meters in pack

Grey DLP trunking **p. 750-751**

Quick and simplified installation

Save time with the installation thanks to the snap-on trunking system

Main benefits

- Quick and easy installation thanks to flexible cover and finishing accessories
- Can be equipped with power and data sockets for snap-on trunking
- Tap-off accessories for easy connection of socket units



- 5 sizes supplied complete: body + cover + dividers



- Sockets with Soluclip guaranteed anti-pullout, see opposite



- Up to 3 compartments to be equipped with Mosaic or Arteor wiring accessories

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Workstation solutions guide

Sockets for snap-on DLP trunking



0 772 02



0 756 90

Pack	Cat.Nos	
		Sockets for snap-on trunking
		Sockets with connection at both sides for snap-on mounting on trunking with 45 mm cover. Particularly suitable for installation on snap-on trunking (p. 747 to 749) The sockets incorporate the Soluclip accessory to hold the socket in place and comply with the standard Connected with automatic terminals
	White / Tamperproof	**Standard and tamperproof sockets** German Standard
10	0 772 02 / 0 772 22	2 x 2P+E
10	0 772 03 / 0 772 23	3 x 2P+E
		Red sockets German Standard Sockets with red finish for identification of dedicated circuits
10	Red 0 772 42	2 X 2P+E at an angle of 45°
10	0 772 43	3 X 2P+E at an angle of 45°
5	White 0 765 46	**Cat. 6 FTP - RJ 45 sockets** FTP - 9-pin, 2 RJ 45, equipped with the Soluclip accessory 3-gang
5	0 765 42	**Cat. 5e FTP - RJ 45 sockets** FTP - 9-pin, 2 RJ 45, equipped with the Soluclip accessory 3-gang
10	White 0 771 06	**Quick tap-off accessory** For quick, simple tap-off between 2 socket blocks for trunking Fitted with a cover
10	White 0 756 90	**Soluclip accessory** For installation with any snap-on function Offers features such as anti-slip, anti-pullout, perfect cover finish, IP 40

Snap-on DLP trunking - 45 mm cover 50 x 80 and 50 x 105

routing sections and accessories

Cat.Nos for trunking 50 x 80

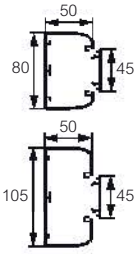


Cat.Nos for trunking 50 x 105



Selection chart **p. 742-743**
Wiring capacity chart **see e-catalogue**

Pack	Cat.Nos	
		Snap-on trunking
20[1] | 12[1]	50 x 80: 0 756 01 / 50 x 105: 0 756 02	**1-compartment trunking** Snap-on trunking Can take any Mosaic or Arteor wiring accessory Includes: - 1 body - 1 cover, width 45 mm Length 2 m
20[1]	0 756 08	**Extra cover** Width 45 mm Length 2 m
26[1]	0 756 09	**Extra partition** Divider Length 2 m
10	50 x 80: 0 756 61 / 50 x 105: 0 756 62	**Fishplate body joint** Used to join 2 bodies and simplifies fixing sections to the wall - set of 2
20	0 756 66 | 0 756 67	**Joint** Stick-on body joint
10	0 756 69	**Cover joint** Cover joint, width 45 mm
24[1]	0 105 80	**Height spacer** Length 2 m, colour charcoal grey For fitting 15 mm from the ground
10	0 756 90	**Soluclip accessory** For installation with any Mosaic or Arteor function



Pack	Cat.Nos	
		Angles
10	50 x 80: 0 756 21 / 50 x 105: 0 756 22	Internal angle, varies from 80° to 100°
10	0 756 31 / 0 756 32	External angle, varies from 85° to 120°
10	0 756 41 / 0 756 42	Flat angle at 90°
		End caps
10	50 x 80: 0 756 11 / 50 x 105: 0 756 12	Left or right end cap
		Flat junctions
5	50 x 80: 0 756 71 / 50 x 105: 0 756 72	**With 80 mm wide sections** Creates a junction with snap-on trunking 50 x 80 mm
5	50 x 105: 0 756 76	**With 105 mm wide sections** Creates a junction with snap-on trunking 50 x 105 mm
5	0 756 81	**Angled junction** Creates a junction in an internal angle with snap-on trunking 50 x 80 mm, 50 x 105 mm, 50 x 130 mm Must be used in conjunction with internal angle
5	0 756 88	**Junction with floor duct** Creates a junction with a floor duct size 50 x 12 mm or 92 x 20 mm

1: Number of metres in pack

Antimicrobial snap-on trunking **p. 816-817**

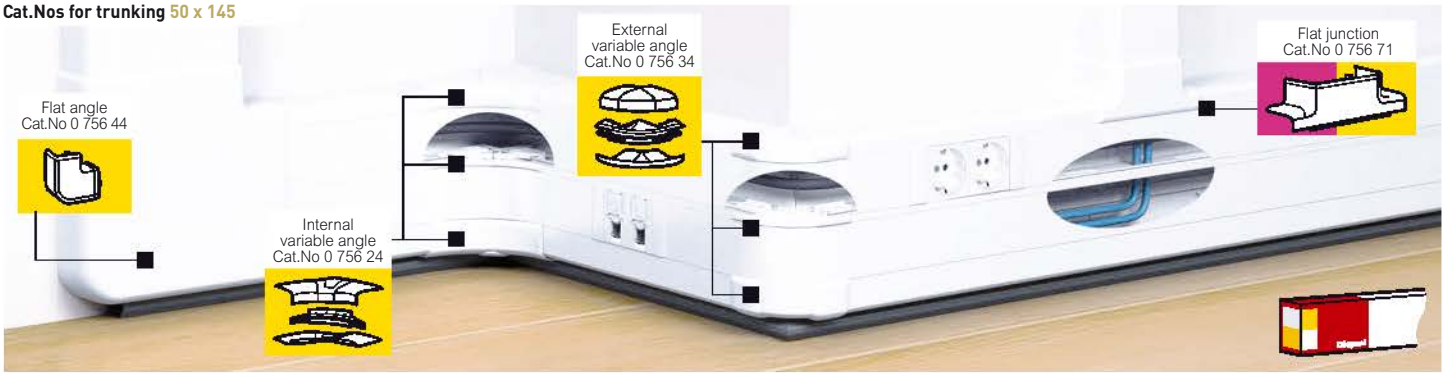
Snap-on DLP trunking - 45 mm cover 50 x 130 and 50 x 145

routing sections and accessories

Cat.Nos for trunking 50 x 130

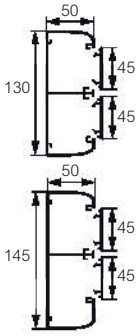


Cat.Nos for trunking 50 x 145



Selection chart **p. 742-743**
Wiring capacity chart **see e-catalogue**

Pack	Cat.Nos	
		Snap-on trunking
12[1] | 8[1]	50 x 130: 0 756 03 / 50 x 145: 0 756 04	**2-compartment trunking** Snap-on trunking Can take any Mosaic or Arteor wiring accessory Includes: - 1 body with 2 compartments - 2 covers, width 45 mm Length 2 m
20[1]	0 756 08	**Extra cover** Width 45 mm Length 2 m
10	50 x 130: 0 756 61 / 50 x 145: 0 756 63	**Fishplate body joint** Used to join 2 bodies and simplifies fixing sections to the wall - set of 2
20	0 756 66	**Stick-on body joint** For top part of body
20	50 x 145: 0 756 67	For bottom part of body
10	0 756 69	**Cover joint** Cover joint, width 45 mm
24[1]	0 105 80	**Height spacer** Length 2 m, colour charcoal grey For fitting 15 mm from the ground
10	0 756 90	**Soluclip accessory** For installation with any Mosaic or Arteor function



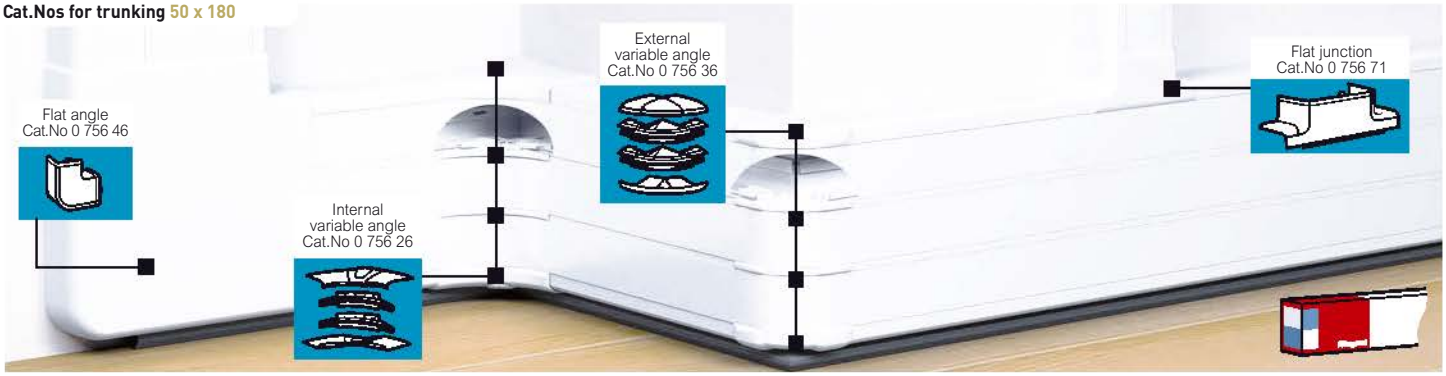
Pack	Cat.Nos	
		Angles
5	50 x 130: 0 756 23 / 50 x 145: 0 756 24	Internal angle, varies from 80° to 100°
5	0 756 33 / 0 756 34	External angle, varies from 85° to 120°
5	0 756 43 / 0 756 44	Flat angle at 90°
		End caps
5	50 x 130: 0 756 13 / 50 x 145: 0 756 14	Left or right end cap
		Flat junctions
5	50 x 130: 0 756 71 / 50 x 145: 0 756 72	**For 80 mm wide downward trunking** Creates a junction with snap-on trunking 50 x 80 mm
5	0 756 71	**For 80 mm wide upward trunking** Creates a junction with snap-on trunking 50 x 80 mm
5	0 756 75 | 0 756 76	**For 105 mm wide downward trunking** Creates a junction with snap-on trunking 50 x 105 mm
5	0 756 75	**For 105 mm wide upward trunking** Creates a junction with snap-on trunking 50 x 105 mm
5	0 756 81	**Angled junction** Creates a junction in an internal angle with snap-on trunking 50 x 80 mm, 50 x 105 mm, 50 x 130 mm Must be used in conjunction with internal angle
5	0 756 88	**Junction with floor duct** Creates a junction with a floor duct size 50 x 12 mm or 92 x 20 mm

1: Number of metres in pack

Snap-on DLP trunking 45 mm cover 50 x 180

routing sections and accessories

Cat.Nos for trunking 50 x 180



Example of installation:
One current type per compartment

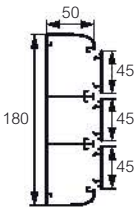


Example of installation:
Wiring accessories in central compartment and distribution in side compartments



Selection chart **p. 742-743**
Wiring capacity chart **see e-catalogue**

Pack	Cat.Nos	Snap-on trunking
	50 x 180	
8[1]	0 756 06	**3-compartment trunking** Snap-on trunking Can take any Mosaic or Arteor wiring accessory Includes: - 1 body with 3 compartments - 3 flexible covers, width 45 mm Length 2 m
20[1]	0 756 08	**Extra cover** Width 45 mm Length 2 m
10	0 756 61	**Fishplate body joint** Used to join 2 bodies and simplifies fixing sections to the wall - set of 2
20	0 756 66	**Stick-on body joints** For top part of body
10[1]	0 756 69	**Cover joint** Cover joint, width 45 mm
24	0 105 80	**Height spacer** Length 2 m, colour charcoal grey For fitting 15 mm from the ground
		Soluclip accessory
10	0 756 90	For installation with any Mosaic or Arteor function



Pack	Cat.Nos	Angles
	50 x 180	
5	0 756 26	Internal angle, varies from 80° to 100°
5	0 756 36	External angle, varies from 85° to 120°
5	0 756 46	Flat angle at 90°
		End cap
5	0 756 16	Left or right end cap
		Flat junctions
5	0 756 71	**With 80 mm wide sections** Creates a junction with snap-on trunking 50 x 80 mm
5	0 756 75	**With 105 mm wide sections** Creates a junction with snap-on trunking 50 x 105 mm
		Angled junction
5	0 756 81	Creates a junction in an internal angle with snap-on trunking 50 x 80 mm, 50 x 105 mm, 50 x 130 mm Must be used in conjunction with internal angle
		Junction with floor duct
5	0 756 88	Creates a junction with a floor duct size 50 x 12 mm or 92 x 20 mm

1: Number of metres in pack

Antimicrobial snap-on trunking **p. 816-817**

Snap-on DLP trunking, grey - 45 mm cover 50 x 80 and 50 x 130

Cat.Nos for trunking 50 x 80



Cat.Nos for trunking 50 x 130



Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Snap-on trunking 50 x 80 and 50 x 130
20[1]	50 x 80 0 758 00	**1-compartment snap-on trunking** Can take any Mosaic or Arteor wiring accessory Includes: - 1 body - 1 cover, width 45 mm Length 2 m
12[1]	50 x 130 0 758 02	**2-compartment snap-on trunking** Can take any Mosaic or Arteor wiring accessory Includes: - 1 body with 2 compartments - 2 covers, width 45 mm Length 2 m
20[1]	0 758 29	**Extra cover** Width 45 mm Length 2 m
26[1]	50 x 80 0 756 09	**Extra partition** Divider for 50 x 80 trunking Length 2 m
10	0 758 30	**Fishplate body joint** Used to join 2 bodies and simplifies fixing sections to the wall - set of 2
20	0 758 33	**Joint** Stick-on body joint
10	0 758 35	**Cover joint** Cover joint, width 45 mm

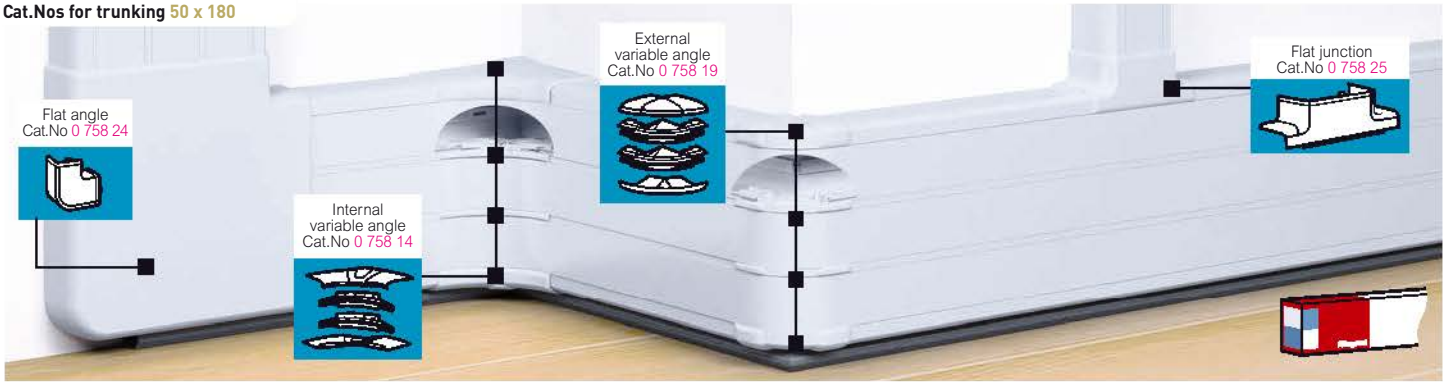
1: Number of metres in pack

Pack	Cat.Nos	Angles
10 I 5	50 x 80 0 758 10 / 50 x 130 0 758 12	Internal angle, varies from 80° to 120°
10 I 5	0 758 15 / 0 758 17	External angle, varies from 80° to 120°
10 I 5	0 758 20 / 0 758 22	Flat angle at 90°
10 I 5	50 x 80 0 758 05 / 50 x 130 0 758 07	**End caps** Left or right end cap
5	0 758 25	**Flat junction** Creates a junction with trunking 50 x 80 mm
10	0 758 36	**Soluclip accessory** For installation with any Mosaic or Arteor function

Sockets for snap-on DLP trunking, **p. 746**

Snap-on DLP trunking, grey - 45 mm cover 50 x 180

Cat.Nos for trunking 50 x 180



Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Snap-on trunking 50 x 180
	50 x 180	
8[1]	0 758 04	**3-compartment snap-on trunking** Can take any Mosaic or Arteor wiring accessory Includes: - 1 body with 3 compartments - 3 covers, width 45 mm Length 2 m
20[1]	0 758 29	**Extra cover** Width 45 mm Length 2 m
10	0 758 30	**Fishplate body joint** Used to join 2 bodies and simplifies fixing sections to the wall - set of 2
20	0 758 33	**Joint** Stick-on body joint
10	0 758 35	**Cover joint** Cover joint, width 45 mm

1: Number of metres in pack

Pack	Cat.Nos	Angles
	50 x 180	
5	0 758 14	Internal angle, varies from 80° to 120°
5	0 758 19	External angle, varies from 80° to 120°
5	0 758 24	Flat angle at 90°
		End caps
5	0 758 09	Left or right end cap
		Flat junction
5	0 758 25	Creates a junction with trunking 50 x 80 mm
		Soluclip accessory
10	0 758 36	For installation with any Mosaic or Arteor function

Sockets for snap-on DLP trunking, **p. 746**

Universal DLP trunking

bodies and finishing accessories

White
length: 2 m

TRUNKING			TRUNKING AND ACCESSORIES						ANGLES		
Number of compartments	Covers width (mm)	Size (mm)	Body and covers complete	Separation	Clips	Base joints(1)	Cover joints	End cap	Internal angle(2) 85 to 95°	External angle(2) 60 to 120°	Flat angle
UNIVERSAL DLP TRUNKING - 65 mm COVER											
1	65	**50 x 80**	0 104 62	0 105 82	0 106 81	0 106 92 or 0 106 91	0 108 01	0 107 22	0 106 02	0 106 22	0 107 67
1	65	**50 x 105**	0 104 24	0 105 82	0 106 81	0 106 96	0 108 01	0 107 00	0 106 05	0 106 19	0 107 86
2	65 65	**50 x 150**	0 104 27	0 105 82	0 106 81	0 106 92 or 0 106 91	2 x 0 108 01	0 107 03	0 106 06	0 106 35	0 107 89
3	40 65 40	**50 x 170**	0 104 67	0 105 82	0 106 82	0 106 92 or 0 106 91	2 x 0 108 00 + 0 108 01	0 107 10	0 106 50	0 106 38	0 107 98
UNIVERSAL DLP TRUNKING - 85 mm COVER											
1	85	**35 x 105**	0 104 63	0 105 82	0 106 82	0 106 92 or 0 106 91	0 108 02	0 107 01	0 106 01	0 106 21	0 107 84
1	85	**50 x 105**	0 104 64	0 105 82	0 106 82	0 106 92 or 0 106 91	0 108 02	0 107 02	0 106 02	0 106 22	0 107 85
2	85 85	**50 x 195**	0 104 70	0 105 82	0 106 82	0 106 92 or 0 106 91	2 x 0 108 02	0 107 11	0 106 06	0 106 35	0 107 92

1: 0 106 92: base joint for aligning bases, 0 106 91: base joint, attached with adhesive
2: Internal and external angles include partition junction(s) for installation with multi-compartment trunking

Universal DLP trunking

wiring accessories supports and back boxes

SUPPORTS FOR ARTEOR AND MOSAIC		Cover width	
		65 mm	85 mm
2 modules		0 109 52	0 109 92
4 modules		0 109 54	0 109 94
6 modules		0 109 56	0 109 96
8 modules		0 109 58	0 109 98

UNIVERSAL SUPPORTS FOR 60 mm FIXING CENTRES WIRING ACCESSORIES (Galea, Valena, Niloé)		Cover width
		85 mm
1 gang		0 109 13
2 gang		0 109 23
3 gang		0 109 33

BACK BOXES FOR BRITISH STANDARD RANGES (Belanko, Mallia, Synergy)		Cover 85 mm	
		Depth 25 mm	Depth 35 mm
1 gang		6 208 16	6 208 17
2 gang		6 208 26	6 208 27

Universal DLP trunking

junctions

Size (mm)	FLAT JUNCTIONS					ANGLED JUNCTIONS		
	Flat junctions to width 80 mm 	Flat junctions to width 105 mm 		Flat junctions 				
	With 65 mm cover	With 85 mm cover		With 65 mm cover	With same trunking	With 85 mm cover		With 65 mm cover
	50 x 80	35 x 105	50 x 105	50 x 105		35 x 105	50 x 105	50 x 105
50 x 80  Cat.No 0 104 62	0 107 35	-	-	-	0 107 35	-	-	-
50 x 105  Cat.No 0 104 24	0 107 39	0 107 40	-	0 107 40	0 107 40	0 107 65 + 0 106 05	0 107 65 + 0 106 05	0 107 65 + 0 106 05
50 x 150  Cat.No 0 104 27	0 107 35	0 107 36	0 107 36	0 107 37	0 107 32 x 2	0 107 63 + 0 106 06	0 107 63 + 0 106 06	0 107 63 + 0 106 06
50 x 170  Cat.No 0 104 67	0 107 35	0 107 36	0 107 36	0 107 37	0 107 32 x 2	0 107 63 + 0 106 50	0 107 63 + 0 106 50	0 107 63 + 0 106 50
35 x 105  Cat.No 0 104 63	-	-	-	-	0 107 36	-	-	-
50 x 105  Cat.No 0 104 64	0 107 35	0 107 36	0 107 36	0 107 37	0 107 36	0 107 63 + 0 106 02	0 107 63 + 0 106 02	0 107 63 + 0 106 02
50 x 195  Cat.No 0 104 70	0 107 35	0 107 36	0 107 36	0 107 37	0 107 32 x 2	0 107 63 + 0 106 06	0 107 63 + 0 106 06	0 107 63 + 0 106 06

Universal DLP trunking

wiring accessories

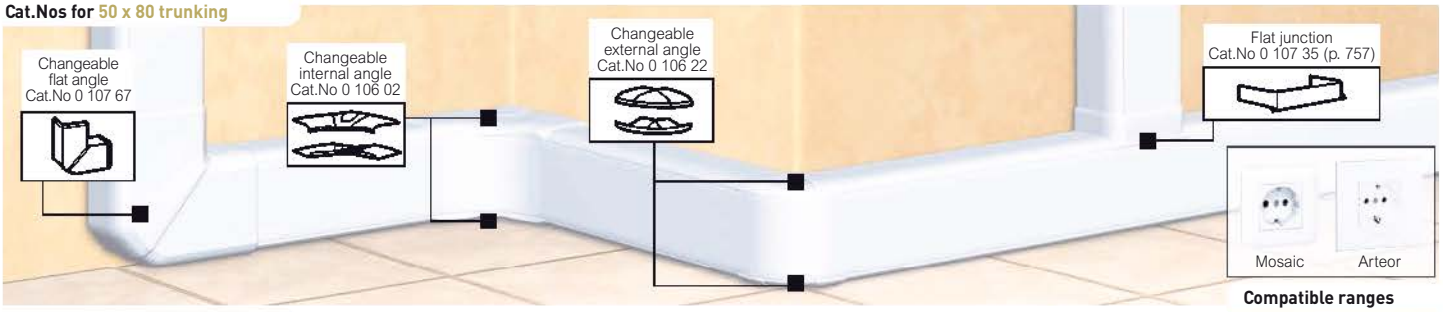
MOSAIC SOCKET OUTLETS - GERMAN STANDARD				
		Standard	Red	Tamperproof
AUTOMATIC TERMINALS				
2P+E, 2 modules		0 774 01	-	0 774 21
2 x 2P+E, 4 modules		0 774 02	0 774 12	0 774 22
3 x 2P+E, 6 modules		0 774 03	0 774 13	0 774 23
4 x 2P+E, 8 modules		0 774 04	-	0 774 24
AUTOMATIC TERMINALS WIELAND				
2 x 2P+E, 4 modules		4 500 00	4 500 02	-
3 x 2P+E, 6 modules		4 500 01	4 500 03	-
AUTOMATIC TERMINALS WAGO WINSTA				
2 x 2P+E, 4 modules		4 500 04	4 500 06	-
3 x 2P+E, 6 modules		4 500 05	4 500 07	-

MOSAIC SOCKET OUTLETS - GERMAN STANDARD				
		Standard	Red	Tamperproof
SCREW TERMINALS				
2P+E, 2 modules		0 776 01	-	0 776 21
2 x 2P+E, 4 modules		0 776 02	0 776 12	0 776 22
3 x 2P+E, 6 modules		0 776 03	0 776 13	0 776 23
4 x 2P+E, 8 modules		0 776 04	-	0 776 24

Universal DLP trunking 50 x 80 and 50 x 105 - 65 mm cover

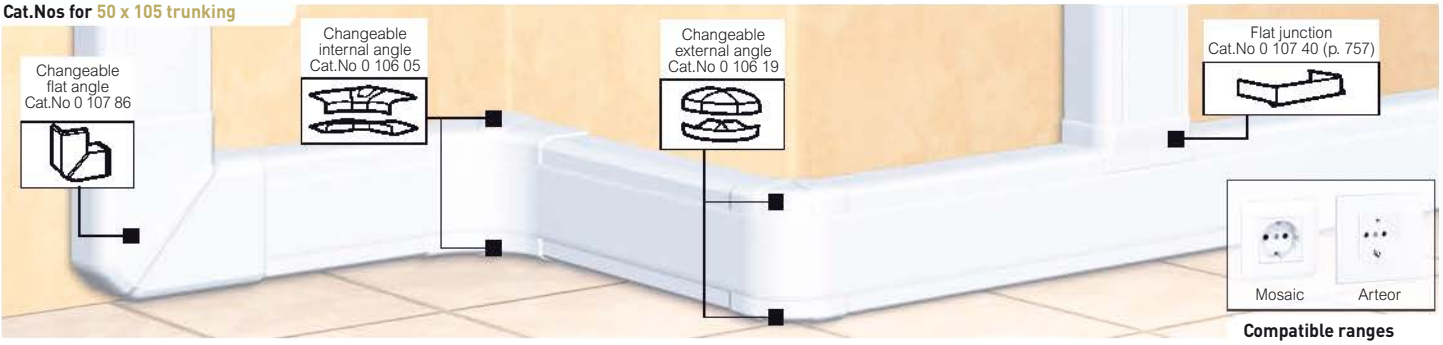
White
length: 2 m

Cat.Nos for 50 x 80 trunking



Compatible ranges

Cat.Nos for 50 x 105 trunking



Compatible ranges

Selection chart **p. 752-753**
Wiring capacity chart **see e-catalogue**

Universal trunking 50 x 80

Pack	Cat.Nos	
20[1]	0 104 62	**Trunking without partition** Supplied with: - one 50 x 80 mm body - one flexible 65 mm width cover Fits onto the whole trunking including in internal and external angles Installation: can be used with Mosaic/Arteor ranges or DIN rail equipment Length 2 m
24[1]	0 105 82	**Partition** Separation partition Length 2 m
		Joints
20	0 106 91	Body joint For aligning bases during installation
20	0 106 92	Body joint, attached with adhesive (fit at the end of installation)
10	0 108 01	Cover joint for 65 mm cover

Angles and end cap for universal trunking 50 x 80

Internal and external bends
Include the 2 components for the top and bottom of the trunking on which the flexible cover is fitted

10	0 106 02	Changeable internal bend, from 85° to 95° for 50 x 80/50 x 105/50 x 150 and 50 x 195 mm trunkings
10	0 106 22	Changeable external bend, from 60° to 120° for 50 x 80/50 x 105/50 x 150 and 50 x 195 mm trunkings
		Flat angle
10	0 107 67	90° flat angle
		End cap
10	0 107 22	Left or right end cap

Universal trunking 50 x 105

Pack	Cat.Nos	
12[1]	0 104 24	**Trunking without partition** Supplied with: - one 50 x 105 mm body - one flexible 65 mm width cover Fits onto the whole trunking including in internal and external angles Installation: can be used with Mosaic/Arteor ranges or DIN rail equipment Length 2 m
24[1]	0 105 82	**Partition** Separation partition Length 2 m
		Joints
20	0 106 96	Body joint For aligning bases during installation
10	0 108 01	Cover joint for 65 mm cover

Angles and end cap for universal trunking 50 x 105

Internal and external bends
Include the 2 components for the top and bottom of the trunking on which the flexible cover is fitted

10	0 106 05	Changeable internal bend, from 85° to 95° for 50 x 105 mm trunkings
10	0 106 19	Changeable external bend, from 60° to 120° for 50 x 105 mm trunkings
		Flat angle
10	0 107 86	90° flat angle
		End cap
20	0 107 00	Left or right end cap

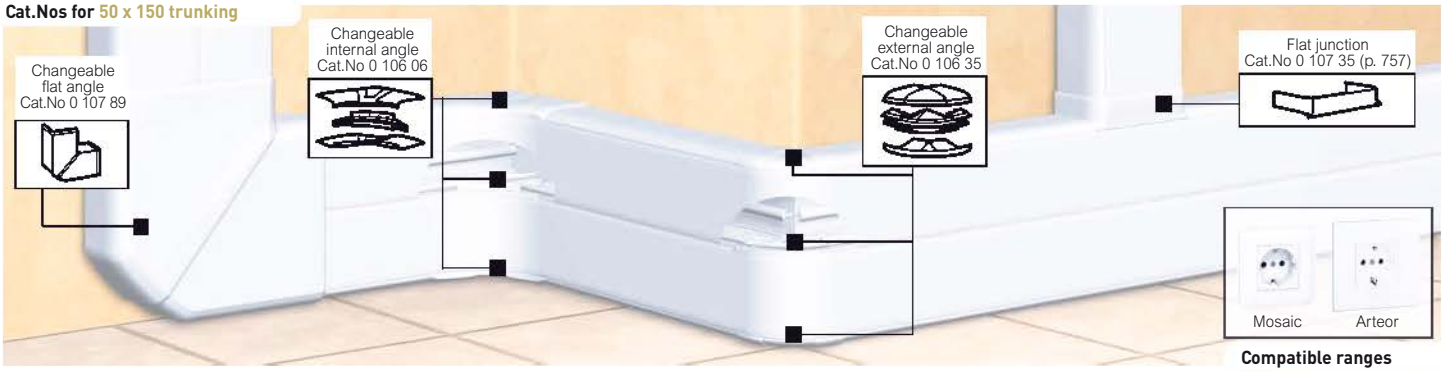
1: Number of metres in pack

Junctions and accessories
p. 757

Universal DLP trunking 50 x 150 and 50 x 170 - 65 mm cover

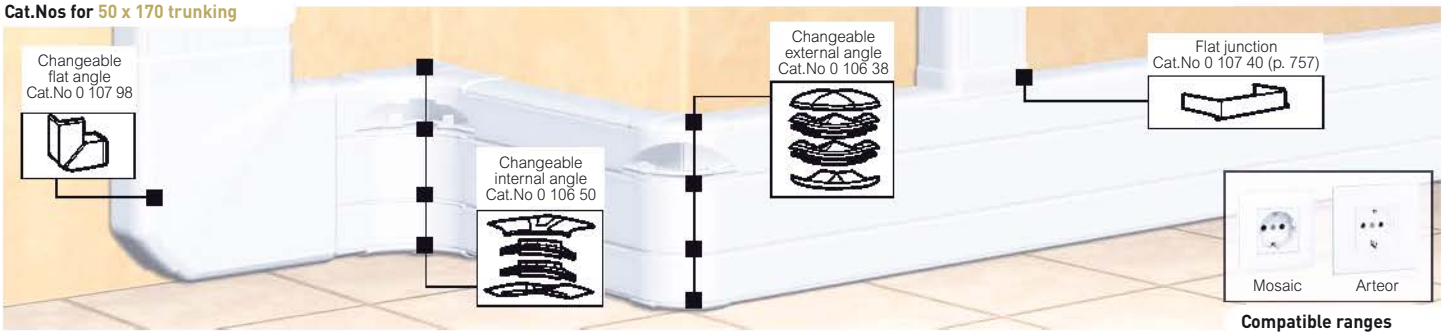
White
length: 2 m

Cat.Nos for 50 x 150 trunking



Compatible ranges

Cat.Nos for 50 x 170 trunking



Compatible ranges

Selection chart **p. 752-753**
Wiring capacity chart **see e-catalogue**

Universal trunking 50 x 150

Pack	Cat.Nos	
12[1]	0 104 27	**Trunking with partition** Supplied with: - one 50 x 150 mm body - two flexible 65 mm width covers Fits onto the whole trunking including in internal and external angles Installation: can be used with Mosaic/Arteor ranges or DIN rail equipment Length 2 m
		Partition
24[1]	0 105 82	Separation partition Length 2 m
		Joints
20	0 106 91	Body joint For aligning bases during installation
20	0 106 92	Body joint, attached with adhesive (fit at the end of installation)
10	0 108 01	Cover joint for 65 mm cover

Angles and end cap for universal trunking 50 x 150

Internal and external bends

Include the 3 components making the angle (parts for the top and bottom and the partition junction) on which the flexible cover is fitted

5	0 106 06	Changeable internal bend, from 85° to 95° for 50 x 150 and 50 x 195 mm trunkings
5	0 106 35	Changeable external bend, from 60° to 120° for 50 x 150 and 50 x 195 mm trunkings
		Flat angle
5	0 107 89	90° flat angle
		End cap
10	0 107 03	Left or right end cap

1: Number of metres in pack

Universal trunking 50 x 170

Pack	Cat.Nos	
4[1]	0 104 67	**Trunking with partition** Supplied with: - one 50 x 170 mm body - one flexible 65 mm width cover and two flexible 40 mm width covers Fits onto the whole trunking including internal and external angles Installation: can be used with Mosaic/Arteor ranges or DIN rail equipment Length 2 m
		Partition
24[1]	0 105 82	Separation partition Length 2 m
		Joints
20	0 106 91	Body joint For aligning bases during installation
20	0 106 92	Body joint, attached with adhesive (fit at the end of installation)
10	0 108 01	Cover joint for 65 mm cover
10	0 108 00	Cover joint for 40 mm cover

Angles and end cap for universal trunking 50 x 170

Internal and external bends

Include the 4 components making the angle (parts for the top and bottom and the 2 partition junctions) on which the flexible cover is fitted

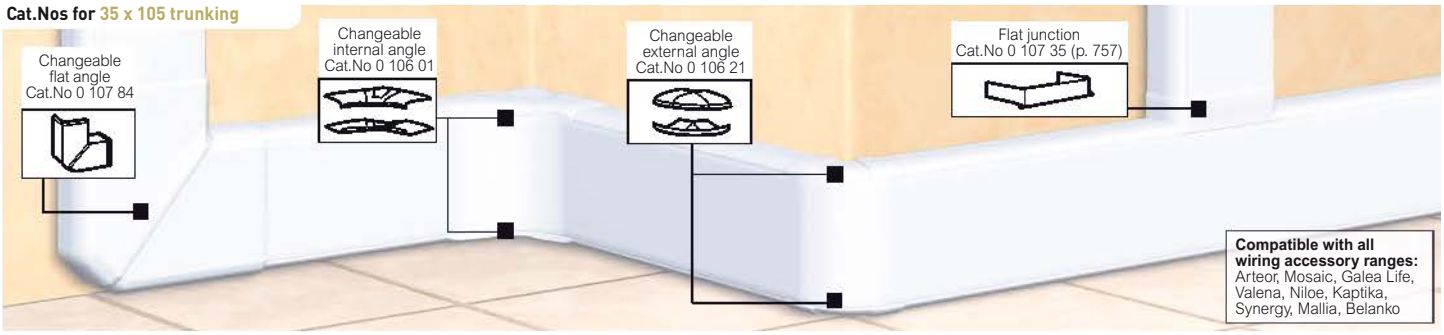
5	0 106 50	Changeable internal bend, from 85° to 95° for 50 x 170 and 50 x 195 mm trunkings
5	0 106 38	Changeable external bend, from 60° to 120° for 50 x 170 and 50 x 195 mm trunkings
		Flat angle
2	0 107 98	90° flat angle
		End cap
5	0 107 10	Left or right end cap

Junctions and accessories
p. 757

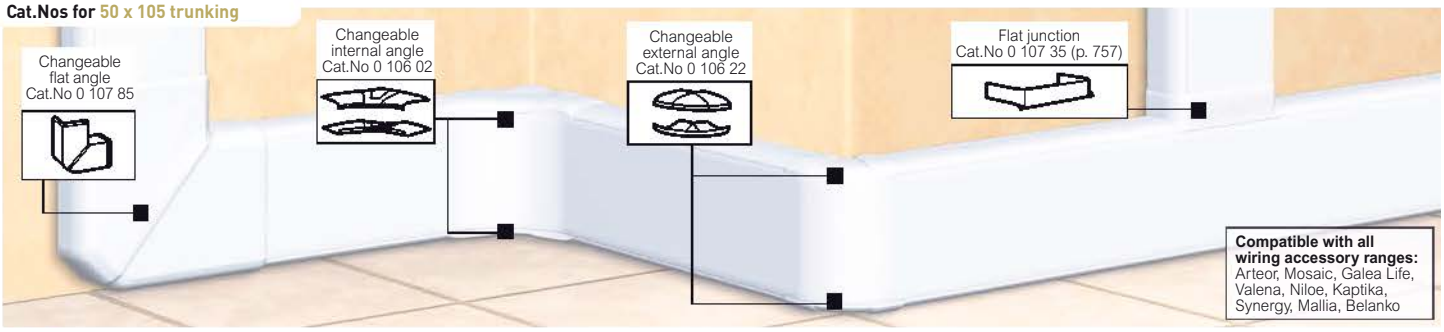
Universal DLP trunking 35 x 105 and 50 x 105 - 85 mm cover

White
length: 2 m

Cat.Nos for 35 x 105 trunking



Cat.Nos for 50 x 105 trunking



Selection chart **p. 752-753**
Wiring capacity chart **see e-catalogue**

Universal trunking 35 x 105

Pack	Cat.Nos	
		Trunking without partition
20[1]	0 104 63	Supplied with: - one 35 x 105 mm body - one flexible 85 mm width cover Fits onto the whole trunking including in internal and external angles Installation: can be used with Mosaic/Arteor ranges or DIN rail equipment Length 2 m
		Partition
24[1]	0 105 82	Separation partition Length 2 m
		Joints
20	0 106 91	Body joint For aligning bases during installation
20	0 106 92	Body joint, attached with adhesive (fit at the end of installation)
10	0 108 02	Cover joint

Angles and end cap for universal trunking 35 x 105

Pack	Cat.Nos	
		Internal and external bends Include the 2 components for the top and bottom of the trunking on which the flexible cover is fitted
10	0 106 01	Changeable internal bend, from 85° to 95° for 35 x 80 and 35 x 105 mm trunking
10	0 106 21	Changeable external bend, from 60° to 120° for 35 x 80 and 35 x 105 mm trunking
		Flat angle
10	0 107 84	90° flat angle
		End cap
20	0 107 01	For 35 x 105 mm trunking

Universal trunking 50 x 105

Pack	Cat.Nos	
		Trunking without partition
16[1]	0 104 64	Supplied with: - one 50 x 105 mm body - one flexible 85 mm width cover Fits onto the whole trunking including in internal and external angles Installation: can be used with Mosaic/Arteor ranges or DIN rail equipment Length 2 m
		Partition
24[1]	0 105 82	Separation partition Length 2 m
		Joints
20	0 106 91	Body joint For aligning bases during installation
20	0 106 92	Body joint, attached with adhesive (fit at the end of installation)
10	0 108 02	Cover joint

Angles and end cap for universal trunking 50 x 105

Pack	Cat.Nos	
		Internal and external bends Include the 2 components for the top and bottom of the trunking on which the flexible cover is fitted
10	0 106 02	Changeable internal bend, from 85° to 95° for 50 x 80/50 x 105/50 x 150 and 50 x 195 mm trunkings
10	0 106 22	Changeable external bend, from 60° to 120° for 50 x 80/50 x 105/50 x 150 and 50 x 195 mm trunkings
		Flat angle 90° angle
10	0 107 85	For 50 x 105 mm trunking
		End cap
20	0 107 02	For 50 x 105 mm trunking

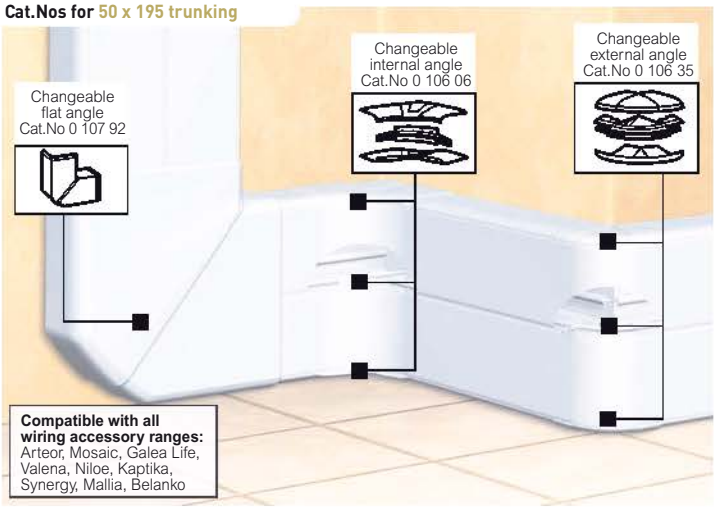
1: Number of metres in pack

Junctions and accessories
see opposite

Universal DLP trunking 50 x 195 - 85 mm cover

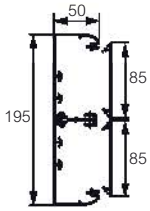
White
length: 2 m

Cat.Nos for 50 x 195 trunking



Selection chart **p. 752-753**
Wiring capacity chart **see e-catalogue**

Pack	Cat.Nos	Universal trunking 50 x 195
8[1]	0 104 70	**Trunking with partition** Supplied with: - one 50 x 195 mm body – two flexible 85 mm width covers Fits onto the whole trunking including in internal and external angles Installation: can be used with Mosaic/Arteor ranges or DIN rail equipment Length 2 m
24[1]	0 105 82	**Partition** Separation partition Length 2 m
20	0 106 91	**Joints** Body joint For aligning bases during installation
20	0 106 92	Body joint, attached with adhesive (fit at the end of installation)
10	0 108 02	Cover joint

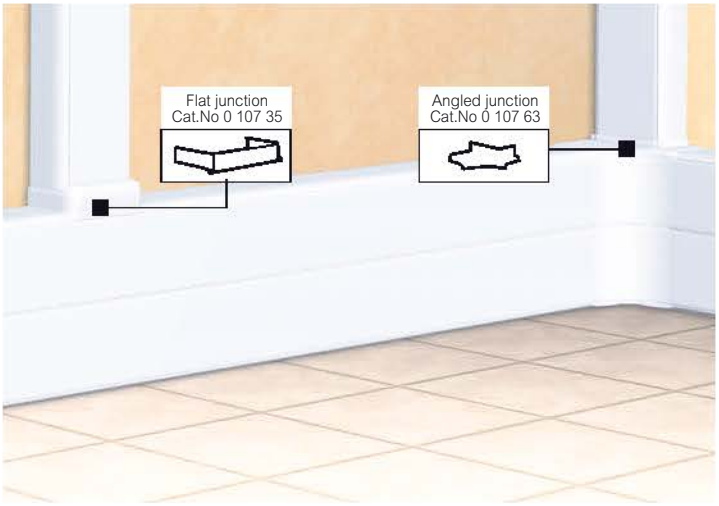


		Angles and end cap for universal trunking 50 x 105
		Internal and external bends Include the 3 components making the angle (parts for the top and bottom and the partition junction) on which the flexible cover is fitted
5	0 106 06	Changeable internal bend, from 85° to 95° for 50 x 150 and 50 x 195 mm trunkings
5	0 106 35	Changeable external bend, from 60° to 120° for 50 x 150 and 50 x 195 mm trunkings
2	0 107 92	**Flat angle** 90° flat angle
5	0 107 11	**End cap** Left or right end cap

1: Number of metres in pack

Universal DLP trunking

junctions and accessories



Selection chart **p. 752-753**

Pack	Cat.Nos	Junctions
		Flat junctions
5	0 107 35	For tap-off to a 80 mm wide profile
5	0 107 39	For tap-off to a 80 mm wide profile
5	0 107 37	For tap-off to a 105 mm wide profile equipped with a 65 mm cover
5	0 107 36	For tap-off to a 105 mm wide profile equipped with a 85 mm cover
5	0 107 40	For tap-off to a 150 mm wide profile
		Angled junction For tap-off in an internal angle to 35 x 105, 50 x 80, 50 x 105
5	0 107 63	For use with internal angle Cat.No 0 106 06
5	0 107 65	For use with internal angle Cat.No 0 106 02

		Accessories
50	0 106 82	Clip for 40, 65 and 85 mm covers
50	0 106 81	Clip for 65 mm covers
100	0 308 81	Base for clamp

Wiring accessories supports and installation accessories **p. 758 to 760**

Mosaic™ Programme socket outlets



Mosaic 2 x 4 modules support Cat.No 0 109 54 for cover width 65 mm



Mosaic socket outlet Cat.No 0 774 03 with 6 modules support
Mosaic socket outlet Cat.No 0 774 23 with 4 modules support

Sockets for installation on DLP trunking - German standard

Mosaic sockets with shutters with connection at both sides for mounting on 65 and 85 mm cover DLP trunking in conjunction with supports and plates for trunking (see p. 752-753)
Direct connection requiring no tools, intuitive disconnection without dismantling the support

Automatic terminals

Pack	Cat.Nos White	Cat.Nos Tamperproof	
10	0 774 01	0 774 21	2P+E
10	0 774 02	0 774 22	2 x 2P+E
10	0 774 03	0 774 23	3 x 2P+E
5	0 774 04	0 774 24	4 x 2P+E

Pack	Cat.Nos Red	
10	0 774 11	2P+E
10	0 774 12	2 x 2P+E
10	0 774 13	3 x 2P+E
5	0 774 14	4 x 2P+E

Automatic terminals - Wieland
Equipped with fast connectors Wieland GST18i3

Pack	Cat.Nos White	Cat.Nos Red	
2	4 500 00	4 500 02	2 x 2P+E
2	4 500 01	4 500 03	3 x 2P+E

Automatic terminals - Wago Winsta
Equipped with fast connectors Wago Winsta

Pack	Cat.Nos White	Cat.Nos Red	
2	4 500 04	4 500 06	2 x 2P+E
2	4 500 05	4 500 07	3 x 2P+E

Sockets for installation on DLP trunking - German standard (continued)

Screw terminals

Pack	Cat.Nos White	Cat.Nos Tamperproof	
10	0 776 01	0 776 21	2P+E
10	0 776 02	0 776 22	2 x 2P+E
10	0 776 03	0 776 23	3 x 2P+E
5	0 776 04	0 776 24	4 x 2P+E

Pack	Cat.Nos Red	
10	0 776 11	2P+E
10	0 776 12	2 x 2P+E
10	0 776 13	3 x 2P+E
5	0 776 14	4 x 2P+E

Tamperproof insert

Pack	Cat.Nos	
10	0 502 99	Tamperproof insert for socket Fits directly into the plug

Wiring accessories supports for DLP trunking









Supports for mounting Mosaic and Arteor wiring accessories

Click-on supports which can be fitted side by side
Supplied with finishing plate

Pack	Cat.Nos	
		For 40 mm cover
5	0 109 10	1 module
		For 65 mm cover
20	0 109 52	2 modules
20	0 109 54	4 modules
10	0 109 56	6 modules
10	0 109 58	8 modules
		For 85 mm cover
20	0 109 92	2 modules
20	0 109 93	3 modules
20	0 109 94	4 modules
10	0 109 96	6 modules
10	0 109 98	8 modules
10	0 109 27	Insulation unit for 2 modules Can be fitted together to create 4, 6 and 8 modules supports

Supports for mounting Mosaic wiring accessories alongside the trunking

Use 1 frame plus 1 link accessory plus 1 slide for 35 mm width trunking and add 1 spacer for 50 mm width trunking
Mosaic frames
For 65, 85 and 130 mm covers

Pack	Cat.Nos	
10	0 316 21	2 x 4 modules
10	0 316 22	3 x 4 modules

Universal supports for 60 mm fixing centres wiring accessories

For Galea Life, Valena, Suno, Cariva, Niloe and Kaptika
For 85 mm cover

Pack	Cat.Nos	
10	0 109 13	1 gang
5	0 109 23	2 gang
5	0 109 33	3 gang

Mounting of Synergy, Mallia and Belanko wiring accessories

Back boxes for mounting British standard wiring accessories on 85 mm cover

Pack	Cat.Nos	
		Depth 25 mm
5	6 208 16	1 gang
5	6 208 26	2 gang
		Depth 35 mm
5	6 208 17	1 gang
5	6 208 27	2 gang

Supports for mounting Din-rail equipment wiring accessories

Pack	Cat.Nos	
		For 65 mm cover
5	0 109 25	2 modules
		For 85 mm cover
5	0 109 35	3 modules

Accessories

universal DLP trunking


0 308 98


0 308 99


0 309 49



0 308 97

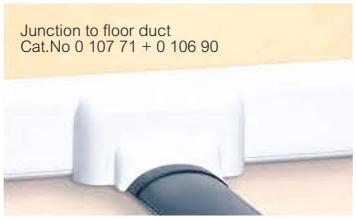

0 106 95


0 313 50


0 308 81









Cutting accessories for trunking

Pack	Cat.Nos	
1	0 306 98	DLPlus cutting unit for PVC DLP For cutting all plastic bodies Avoids vibration when cutting bases and covers. Aluminium Dim.: 225 x 142 x 76 mm

Insulation accessory

Pack	Cat.Nos	
10	0 304 18	Base joint. Adjustable wall insulation joint, supplied in 5 m lengths Provides continuity between the trunking and the wall, in particular in internal angles

Fixing accessories for trunking

For fixing all plastic profiles

Wall plugs for immediate fixing

No screws or nails required

Pack	Cat.Nos	
100	0 308 98	For mini-trunking
100	0 308 99	For mini-trunking, skirting trunking and trunking

Cartridge of Neoprene

Pack	Cat.Nos	
12	0 309 49	Adhesive for glue gun

DLP rapid wall plug

Pack	Cat.Nos	
200	0 308 97	For 10 mm min. plasterboard walls at least 20 mm away from the concrete surface For fixing DLP plastic trunking in a single operation Used with a special tool for drill (Ø8 mm), supplied in each pack of 200 wall plugs Tensile resistance: 25 kg

Spit end cap for DLP trunking

Pack	Cat.Nos	
100	0 106 95	For rapid fixing of trunkings with the Spit Pulsa 700 E (use 20 mm Spit nails)

Junction boxes for DLP trunking

Fitted with current separator
Cable entry possible via the bottom of the box

White junction boxes

Pack	Cat.Nos	
10	0 313 50	Dim.: 163 x 163 x 65 mm (except profile height 80 mm)
5	0 313 51	Dim.: 200 x 200 x 83 mm
5	0 313 52	Dim.: 250 x 250 x 83 mm

VDI cable management accessories

To be fitted on the standard accessories (angles and junctions). For all trunking sizes except 35 x 80 trunking and in compartments with 40 mm width cover

Pack	Cat.Nos	
5	0 107 80	Accessory for internal angle
5	0 107 81	Accessory for external angle
5	0 107 82	Accessory for flat angle
5	0 107 83	Accessory for flat junction

Junction and routing accessories

Base for Nylbloc auto terminals

Pack	Cat.Nos	
10	0 343 98	For up to 3 screwless connection terminals Nylbloc auto (Cat.Nos 0 343 22/23/25/28) Direct fixing: - in top of Plexo boxes and industrial plastic cabinets ≥ 130 x 130 mm - on flat bar 12 x 2 mm - in bottom of universal and aluminium DLP trunkings (from 50 x 80 mm) Screw fixing: - in bottom of Plexo boxes ≥ 105 x 105 mm and industrial plastic cabinets - universal Fixing on rail with accessory Cat.No 0 048 11 (p. 180) Accessible test socket Marking zone with felt tip pen Cat.No 0 395 98 (p. 284)

Connection strips

Pack	Cat.Nos	
20	0 312 10	Connection strips with 4 x 4 mm² terminals for junction boxes

For high current cables

Pack	Cat.Nos	
100	0 308 81	Base for cable ties

Flat junctions

Base junctions

Pack	Cat.Nos	
10	0 107 32	To tap-off to a profile smaller than 50 x 105
5	0 107 33	To tap-off to an 80 mm width trunking

Accessories for separation partition

Allow bottom compartment cables to pass through the separation partition in case of a flat junction

Pack	Cat.Nos	
5	0 107 42	For 50 mm height separation partition
5	0 107 43	For 65 mm height separation partition

Junctions for change of plane

To tap-off from wall to ceiling, for example to supply power to a luminaire

Pack	Cat.Nos	
5	0 107 70	For cover 40 mm
5	0 107 71	For cover 65 mm
5	0 107 72	For cover 85 mm
5	0 107 73	For trunking Cat.No 0 104 24

Junctions between floor duct and trunking

To tap-off to floor duct Cat.No 0 328 00 (p. 771)

Pack	Cat.Nos	
5	0 107 71+ 0 106 90	For cover 65 mm
5	0 107 72+ 0 106 90	For cover 85 mm

Wall feedthroughs

Provides a finish between the trunking and the wall

Pack	Cat.Nos	
5	0 106 98	For trunking 80 to 150 mm width
5	0 106 99	For trunking 195 to 220 mm width

Aluminium adaptable DLP trunking system

Nber of compart.	Cover width (mm)	Size (mm)	TRUNKINGS AND FITTINGS: Body	Rigid covers	Separation partitions	Division partition	End cap	Flat angle	External angle	Internal angle	Flat junction	Body joint	Cover joint
1	65	50 x 105	0 111 14	0 111 10	0 111 08	-	0 111 15	0 112 42	0 112 31	0 112 20	0 112 50	0 111 91	0 111 62
	85	50 x 105	0 111 00	0 111 11	0 111 08	-	0 111 58	0 112 43	0 112 32	0 112 21	0 112 51	0 111 66 + 0 111 92	0 111 63
	85	65 x 105	0 111 01	0 111 11	0 111 09	-	0 111 59	0 112 44	0 112 33	0 112 22	0 112 53	0 111 66 + 0 111 92	0 111 63
2	65 65	50 x 150	0 111 02	2 x 0 111 10	0 111 08	0 111 06	0 111 60	0 112 45	0 112 38	0 112 27	0 112 51	0 111 66 + 0 111 92	0 111 62
	65 65	65 x 150	0 111 03	2 x 0 111 10	0 111 09	0 111 07	0 111 89	0 112 46	0 112 39	0 112 28	0 112 53	0 111 66 + 0 111 92	0 111 62
	85 85	50 x 195	0 111 04	2 x 0 111 11	0 111 08	0 111 06	0 111 61	0 112 47	0 112 40	0 112 29	0 112 51	0 111 66 + 0 111 92	0 111 63
	85 85	65 x 195	0 111 05	2 x 0 111 11	0 111 09	0 111 07	0 111 90	0 112 48	0 112 41	0 112 30	0 112 53	0 111 66 + 0 111 92	0 111 63

Aluminium adaptable DLP trunking system

mounting of wiring accessories

MOSAIC AND ARTEOR SUPPORTS - ALUMINIUM

	Cover width 65 mm	Cover width 85 mm
2 modules	0 112 02	0 112 12
3 modules	0 112 03	0 112 13
4 modules	0 112 04	0 112 14
6 modules	0 112 06	0 112 16
8 modules	0 112 08	0 112 18

UNIVERSAL SUPPORTS FOR GALEA LIFE, VALENA, SUNO, etc. ...

	Cover width 85 mm
1 gang	0 111 67
2 gang	0 111 68
3 gang	0 111 69
4 gangs	0 111 70

MOSAIC SOCKET OUTLETS - GERMAN STANDARD

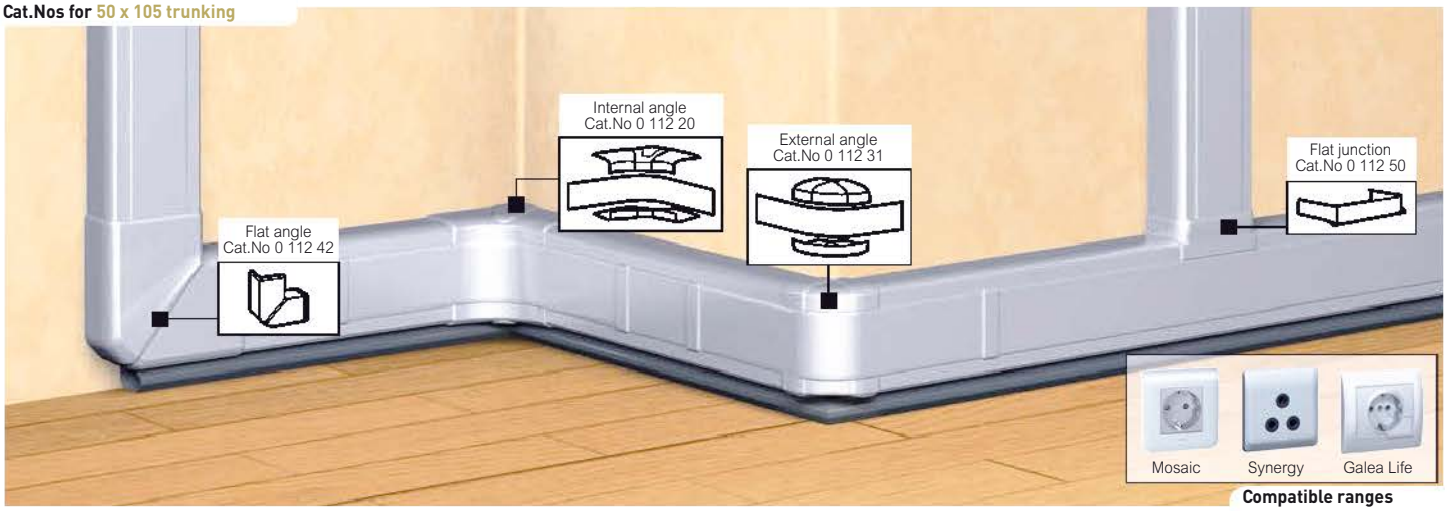
Aluminium	Standard	Tamperproof
2 x 2P+E, 4 modules	0 792 82	0 774 22
3 x 2P+E, 6 modules	0 792 83	0 774 23

MOSAIC RJ 45 SOCKETS

Aluminium	UTP	FTP
1 RJ 45 cat. 6	1 mod. 0 794 61 2 mod. 0 794 64	1 mod. 0 794 62 2 mod. 0 794 65
1 rear pluggable RJ 45 socket cat. 6 2 modules	0 786 26	0 786 27
1 rear pluggable RJ 45 socket cat. 5e 2 modules	0 786 24	0 786 25

Aluminium adaptable DLP trunking system
50 x 105 / 65 x 105

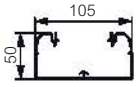
Cat.Nos for 50 x 105 trunking



Compatible ranges

Selection chart **p. 761**
Technical characteristics **see e-catalogue**

Body



Pack	Cat.Nos 50 x 105	
8[1]	0 111 14	Supplied without cover Length 2 m Cover 65 mm width

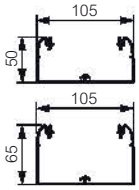
Cover and partition

16[1]	0 111 10	Full rigid cover 65 mm width
24[1]	0 111 08	Separation partition

Finishing accessories

20	0 111 15	End cap
10	0 112 42	Flat angle
1	0 112 31	External angle
1	0 112 20	Internal angle
5	0 112 50	Flat junction
20	0 111 91	Body joint
10	0 111 62	Cover joint for 65 mm cover

Bodies



Pack	Cat.Nos 50 x 105	Cat.Nos 65 x 105	
8[1]	0 111 00	0 111 01	Supplied without cover length 2 m Cover 85 mm width

Cover and partition

16[1]	0 111 11		Full rigid cover 85 mm width
24[1]	0 111 08	0 111 09	Separation partition

Finishing accessories

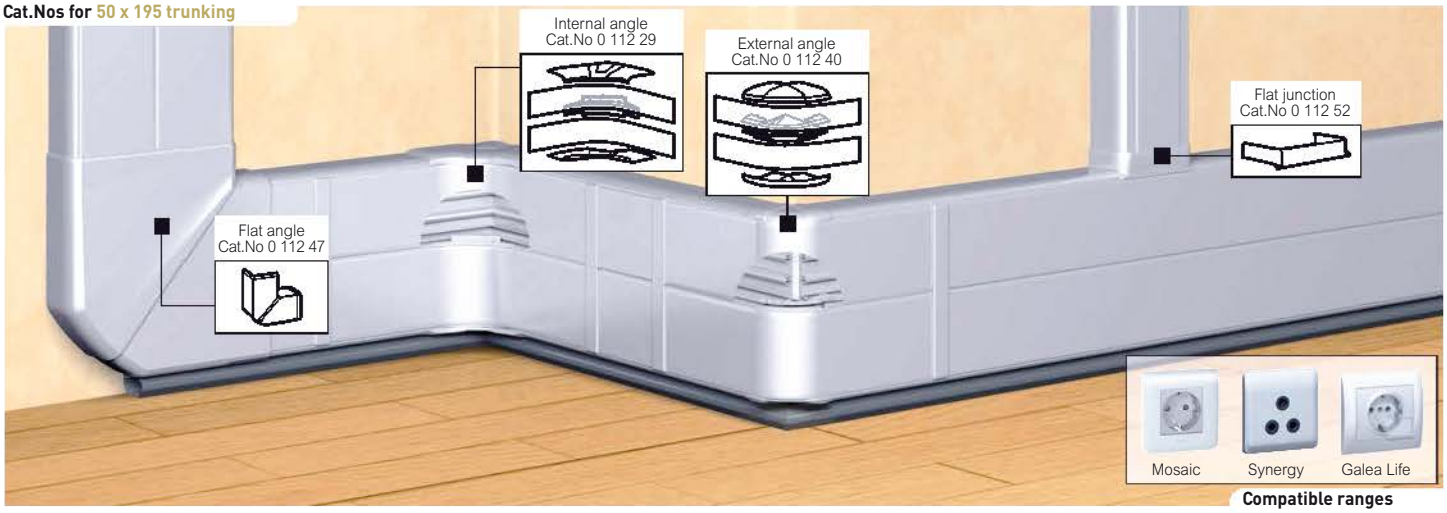
	50 x 105	65 x 105	
20 | 10	0 111 58	0 111 59	End cap
10	0 112 43	0 112 44	Flat angle
1	0 112 32	0 112 33	External angle
1	0 112 21	0 112 22	Internal angle
5	0 112 52	0 112 54	Flat junction For 50 x 105 trunking, cover width 65 mm
5	0 112 51	0 112 53	Flat junction For 50 x 105 trunking, cover width 85 mm
20	0 111 66		Body joint attached with adhesive (fit at the end of installation)
20	0 111 92		For aligning bases during installation
10	0 111 63		Cover joint for 85 mm cover

1: Number of metres in pack

GWO6 steel trunking system,
please consult us

Aluminium adaptable DLP trunking system
50 x 150 / 65 x 150 / 50 x 195 and 65 x 195

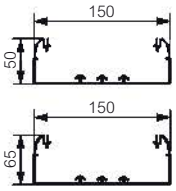
Cat.Nos for 50 x 195 trunking



Compatible ranges

Selection chart **p. 761**
Technical characteristics **see e-catalogue**

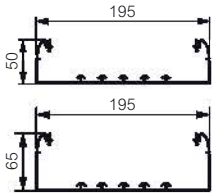
Pack	Cat.Nos 50 x 150	Cat.Nos 65 x 150	Bodies
4[1]	0 111 02	0 111 03	Supplied without cover Allow fitting of partial covers length 2 m



Pack	Cat.Nos	Covers and partitions
16[1]	0 111 10	Partial rigid cover 65 mm width
8[1]	0 111 12	Full rigid cover 130 mm width
	50 x 150 / 65 x 150	
12[1]	0 111 06 / 0 111 07	Division partition for cover 65 mm width
24[1]	0 111 08 / 0 111 09	Separation partition

Pack	Cat.Nos 50 x 150	Cat.Nos 65 x 150	Finishing accessories
10	0 111 60	0 111 89	End cap
5 | 2	0 112 45	0 112 46	Flat angle
1	0 112 38	0 112 39	External angle
1	0 112 27	0 112 28	Internal angle
5	0 112 52	0 112 54	Flat junction 50 x 105 trunking, cover width 65 mm
5	0 112 51	0 112 53	Flat junction 50 x 105 trunking, cover width 85 mm
20	0 111 66		Body joint attached with adhesive (fit at the end of installation)
20	0 111 92		For aligning bases during installation
10	0 111 62		Cover joint for 65 mm cover

Pack	Cat.Nos 50 x 195	Cat.Nos 65 x 195	Bodies
4[1]	0 111 04	0 111 05	Supplied without cover Allow fitting of partial covers length 2 m



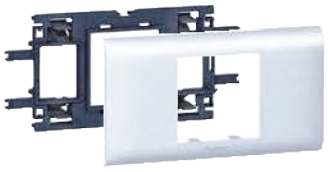
Pack	Cat.Nos	Covers and partitions
16[1]	0 111 11	Partial rigid cover 85 mm width
	50 x 195 / 65 x 195	
24[1]	0 111 08 / 0 111 09	Separation partition
12[1]	0 111 06 / 0 111 07	Division partition for cover 85 mm width

Pack	Cat.Nos 50 x 195	Cat.Nos 65 x 195	Finishing accessories
10 | 5	0 111 61	0 111 90	End cap
2	0 112 47	0 112 48	Flat angle
1	0 112 40	0 112 41	External angle
1	0 112 29	0 112 30	Internal angle
5	0 112 52	0 112 54	Flat junction 50 x 105 trunking, cover width 65 mm
5	0 112 51	0 112 53	Flat junction 50 x 105 trunking, cover width 85 mm
20	0 111 66		Body joint attached with adhesive (fit at the end of installation)
20	0 111 92		For aligning bases during installation
10	0 111 63		Cover joint for 85 mm cover

1: Number of metres in pack

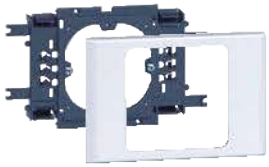
Aluminium adaptable DLP trunking system

supports for wiring accessories


0 112 02


0 112 04

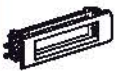

0 112 08


0 111 67


0 111 68

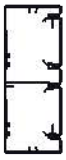

0 111 69

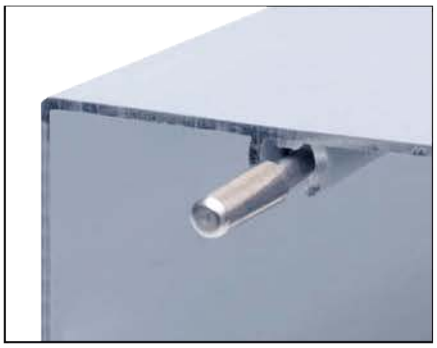

0 106 82

Pack	Cat.Nos	Supports for Mosaic and Arteor wiring accessories	
		For 65 mm width covers	
20	0 112 02		2 modules
20	0 112 03		3 modules
20	0 112 04		4 modules
10	0 112 06		6 modules
10	0 112 08		8 modules
		For 85 mm width covers	
20	0 112 12		2 modules
20	0 112 13		3 modules
20	0 112 14		4 modules
10	0 112 16		6 modules
10	0 112 18		8 modules

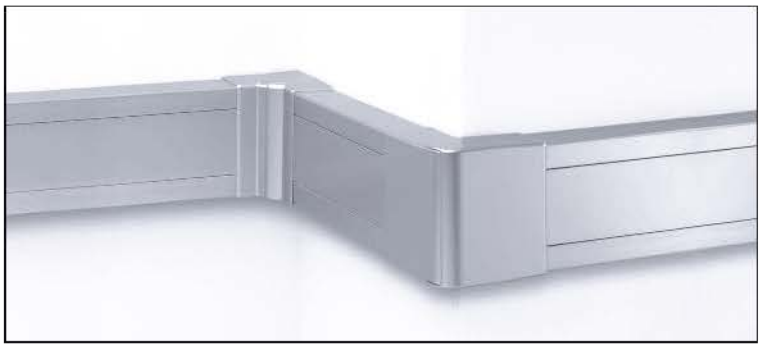
Pack	Cat.Nos	Supports for 60 mm fixing centres wiring accessories	
		For 85 mm width covers	
10	0 111 67		1 gang
5	0 111 68		2 gang
5	0 111 69		3 gang
5	0 111 70		4 gang
		Cabling accessories	
50	0 106 82		Clip for 40, 65 and 85 mm covers
50	0 106 86		Clip for 130 and 180 mm covers
20	0 111 88		Earth link
100	0 308 81		Base for cable ties
		Mounting of Synergy, Mallia and Belanko wiring accessories	
		Back boxes for mounting British standard wiring accessories on 85 mm cover	
		Depth 25 mm	
5	6 208 16		1 gang
5	6 208 26		2 gang
		Depth 35 mm	
5	6 208 17		1 gang
5	6 208 27		2 gang

Snap-on DLP aluminium trunking system

TRUNKING	BODY	COVER	ANGLES			ACCESSORIES						
	Body	Cover	Internal angle	External angle	Flat angle	Separation partition		End cap	Cover joint	Fixing clip		Coupling pin	Earth link
													
	Aluminium	Aluminium	Plastic (alu finish)			PVC	Aluminium	Plastic (alu finish)	Plastic (alu finish)	Plastic (white)	Plastic (alu finish)	-	-
50 x 85 mm 	6 038 11	6 038 17	6 038 22	6 038 28	6 038 34	6 373 58	6 038 47	6 038 40	6 038 19	6 038 57	6 038 58	6 038 59	0 111 88
50 x 130 mm 	6 038 13		6 038 24	6 038 30	6 038 36			6 038 42					



■ Coupling between two trunking sections



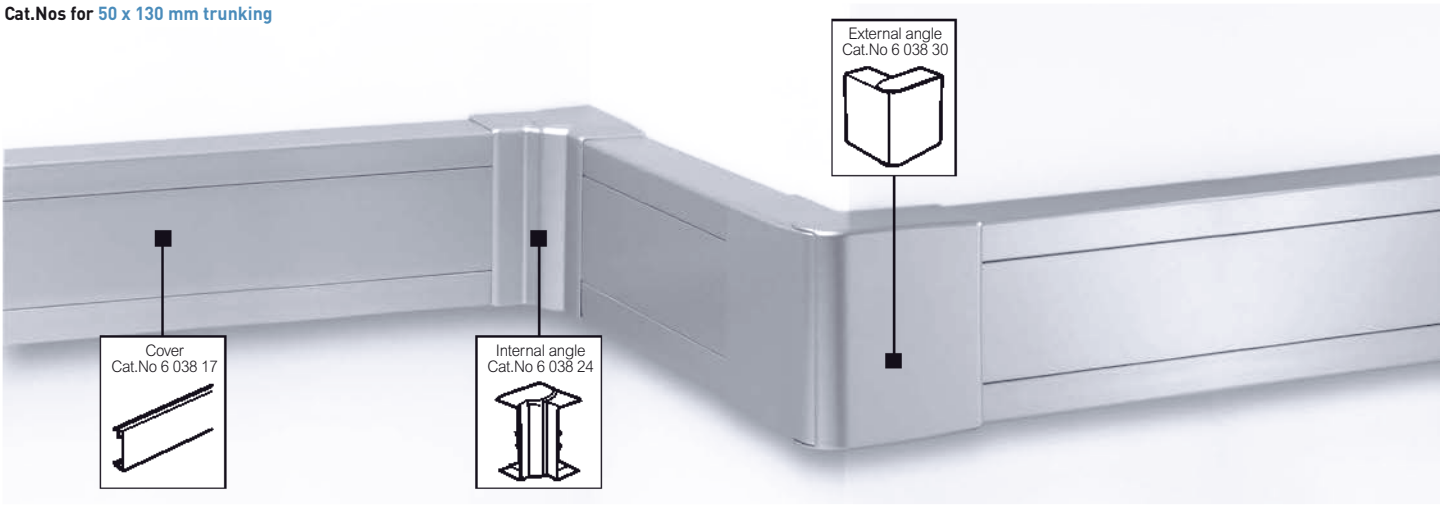
■ Adjustable angles (plastic) between 80° and 120°



■ Example of snap-on DLP aluminium trunking equipped with Mosaic Programme wiring accessories

Snap-on DLP aluminium trunking system 50 x 85 and 50 x 130 mm

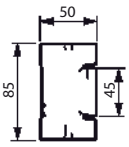
Cat.Nos for 50 x 130 mm trunking

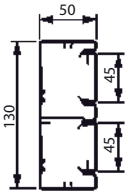


Selection chart **p. 765**

Snap-on trunking

Pack	Cat.Nos 50 x 85	Cat.Nos 50 x 130	
24[1]	6 038 11		**1-compartment trunking** Snap-on aluminium trunking Can take any Mosaic or Arteor wiring accessory Includes: - 1 body - 1 cover, width 45 mm Length 2 m
12[1]		6 038 13	**2-compartment trunking** Snap-on aluminium trunking Can take any Mosaic or Arteor wiring accessory Includes: - 1 body with 2 compartments - 2 covers, width 45 mm Length 2 m
24[1]	6 038 17		**Extra cover** Width 45 mm, Length 2 m
32[1]	6 373 58		**Partitions** Length 2 m PVC separation partition
32[1]	6 038 47		Aluminium separation partition
10	6 038 19		**Cover joint** Cover joint PVC Alu finish, width 45 mm
5	6 038 59		**Coupling pin** Coupling pin used to join 2 bodies





Fixing clip

Pack	Cat.Nos	
10	6 038 57	For Mosaic and Arteor white finish functions
10	6 038 58	For Mosaic aluminium finish and Arteor magnesium finish functions

1: Number of metres in pack

Angles

Pack	Cat.Nos 50 x 85	Cat.Nos 50 x 130	
10 | 8	6 038 22	6 038 24	Internal angle, varies from 80° to 120°
10 | 8	6 038 28	6 038 30	External angle, varies from 80° to 120°
10 | 4	6 038 34	6 038 36	Flat angle for 50 x 85 mm trunking, at 90°

End caps

Pack	Cat.Nos 50 x 85	Cat.Nos 50 x 130	
10	6 038 40	6 038 42	Left or right end cap

Cabling accessory

Pack	Cat.Nos	
20	0 111 88	Earth link

Aluminium snap-on columns

Aluminium snap-on columns



6 038 01

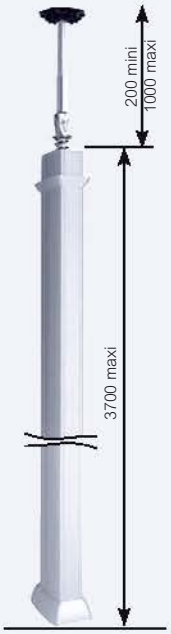


6 038 05

Conform to EN 50085-2-4
For distribution of power vertically
Power supply via the ceiling and/or the floor
To be equipped with Arteor or Mosaic wiring accessories (direct clipping)

Pack	Cat.Nos	**Columns**
		Consisting of: - Aluminium body and cover - Telescopic pole with height adjustment for installing between false ceiling and ceiling (length 1 m) - Two fixing bases with protective caps - Anodised aluminium cover
		74 x 80 mm - 1 compartment
1	6 038 00	Height 2.70 m Can be adapted to a ceiling height up to 3.70 m
1	6 038 02	Height 3.70 m Can be adapted to a ceiling height up to 4.70 m
		81 x 130 mm - 2 compartments
1	6 038 01	Height 2.70 m Can be adapted to a ceiling height up to 3.70 m
1	6 038 03	Height 3.70 m Can be adapted to a ceiling height up to 4.70 m
		Separation partition for 74 x 80 and 81 x 130 snap-on columns
36	6 038 07	Height 60 mm
		Mini-column
		81 x 130 mm - 2 compartments Can be associated with floor trunking range (p. 771)
1	6 038 05	Height 0.68 m
1	6 038 09	Height 0.30 m

Height adjustment



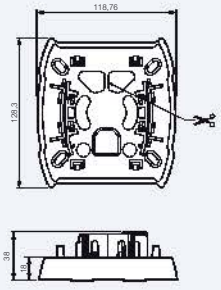
Snap-on column 3.7 m



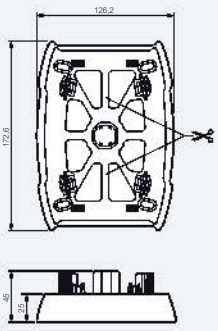
Snap-on column 2.7 m

Fixing base

1-compartment columns



2-compartment columns



Wiring capacity

1-compartment columns

Max. capacity of conductors (for each type of conductor)		With 45 mm mechanisms	Without wiring accessories
Cross-section		2916	4150
Wire	1.5 mm² Ø3	324	460
	2.5 mm² Ø3.5	238	338
Cable	3 x 1.5 mm² Ø9	36	51
	3 x 2.5 mm² Ø11	24	34
	FTP cat. 6 or coaxial Ø7	59	84

2-compartment columns

Max. capacity of conductors (for each type of conductor)		With 45 mm mechanisms		Without wiring accessories	
Compartment		2	3	2	3
Cross-section		2683	2683	3900	3900
Wire	1.5 mm² Ø3	298	298	435	435
	2.5 mm² Ø3.5	219	219	319	319
Cable	3 x 1.5 mm² Ø9	33	33	48	48
	3 x 2.5 mm² Ø11	22	22	32	32
	FTP cat. 6 or coaxial Ø7	54	54	79	79

Installation freedom and flexibility

Supplied through the false floor or false ceiling, the columns and half-columns guarantee current distribution as closely as possible to the workstation

Main benefits

- More practical thanks to the mobile or fixed version of the columns
- Mini-columns with a smaller size for an easier integration in workspaces
- 4 compartments to separate power and data



White or Aluminium



Mosaic socket outlets



Lighting module

MORE INFORMATION



www.export.legrand.com



E-catalogue

Columns and half-columns to be equipped

aluminium and white finishes





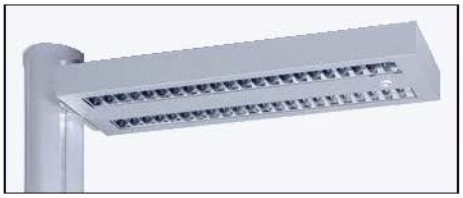
- For distribution of power vertically with the input in separate ducts for high voltage and low voltage cables
- Power supply via the ceiling and/or the floor
- To be equipped with supports for wiring accessories

Pack	Cat.Nos Alu	Cat.Nos White	Columns and half-columns
			Consisting of: - Aluminium body - Telescopic pole with height adjustment for installing between false ceiling and ceiling (length 1.10 m) - Two fixing bases with protective caps - Anodised aluminium or white PVC cover
1	0 307 08	0 307 03	**4-compartment columns** Height 2.70 m Can be adapted to a ceiling height of 3.80 m
1	0 307 09	0 307 07	Height 3.90 m Can be adapted to a ceiling height of 5 m
1	0 307 27		**2-compartment half-columns** Height 2.70 m Can be adapted to a ceiling height of 3.80 m
1	0 307 28		Height 3.90 m Can be adapted to a ceiling height of 5 m

Lighting modules for columns



Detection via adjustable sensor



Example of lighting module on column



0 307 99

Pack	Cat.Nos		Lighting modules for columns
			For installation on columns Cat.Nos 0 307 03/07/08/09 Conform to EN 60598-1 For two T5 Fluorescent lamps 24 W with 220-240 V electronic ballast, 50-60 Hz Steel frame available in aluminium or white finish Darklight grid: double parabolic, anti-glare, low brightness Equipped with fixing system to adjust the luminaire's tilt angle
	Alu	White	
1	0 307 97	0 307 94	**ON/OFF lighting module** Enables lighting via one 45 mm auxiliary Mosaic control or presence sensor
1	0 307 98	0 307 95	**Dimmable lighting module** Enables the user to set the lighting level on his workstation via a 45 mm Mosaic dimmer
1	0 307 99	0 307 96	**Light and presence sensor lighting module** Equipped with a sensor, the module detects the user's presence and automatically adjusts the needed light level depending on natural light level

Mini columns, movable columns and supports



0 307 29
Equipped with column modules



0 307 42
Equipped with column modules

- For distribution of power vertically with the input in separate ducts for high voltage and low voltage cables
- Power supply via the ceiling and/or the floor
- To be equipped with supports for wiring accessories

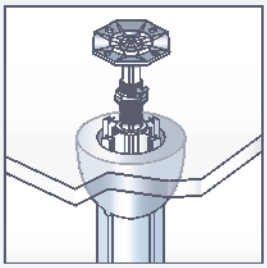
Pack	Cat.Nos		Mini-column
	Alu	White	
1	0 307 29	0 307 42	Consisting of: - 4-compartment aluminium body - Fixing base with protective cap - 4 anodised aluminium or white PVC covers - Finishing cap Height 68 cm
			Movable column
1	White 0 307 00		Comprising: - An aluminium base, length 2 m, 4 compartments - A Ø60 mm flexible sheath, capacity 4 x Ø20, length 2 m - 1 foot, 12 kg, size Ø400 mm - 4 white PVC covers Power supply from ceiling via a flexible sheath Radius of movement of the column in relation to power supply point: 1.5 m Fixing in false ceiling which must not be more than 3 m high Height 2.00 m
	Alu	White	**Supports for columns**
1	0 307 78	0 310 65	To be equipped with Mosaic or Arteor sockets 4 modules - Length 215 mm
1	0 307 79	0 310 66	8 modules - Length 325 mm
1	0 307 80	0 310 67	12 modules - Length 415 mm

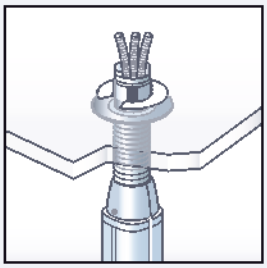
Columns and half-columns

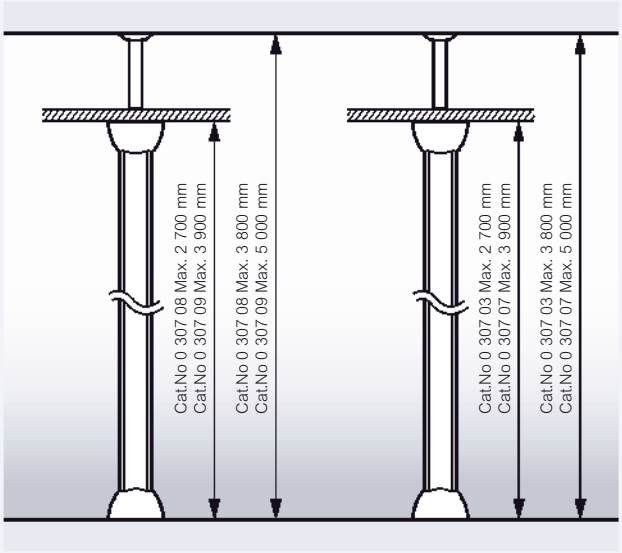
aluminium and white finishes

Columns and half-columns Cat.Nos 0 307 03/07/08/09/27/28

The system of full aluminium columns offers:
- The cable management
- The use of various types of mounting boxes
- An internal structure of aluminium with aluminium lids, protection accessories for columns and completion accessories
- Until 4 equipped (mounting boxes)
- Separation of data and energy cables
- Energy supply by the ground or the overhead
- Height 2.70 m/3.90 m (680 mm for mini-columns) can be adapted to a ceiling height 3.80 m/5 m





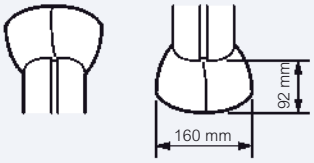


Space available for cable management

	Body		Body & mounting box	
	∅ Maxi	Section (mm²)	∅ Maxi	Section (mm²)
Columns 0 307 03/07/08/09 	25	1250	2 x 13	350
Half-columns 0 307 27/28 	28	1200	13	200

Dimensions

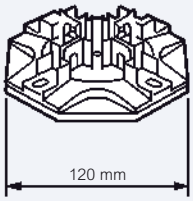
Protection covers for columns:



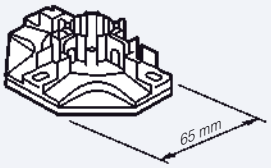
Half-protection covers for half-columns:



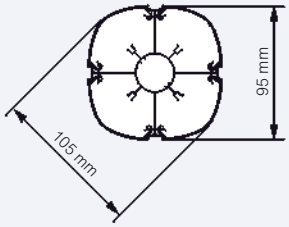
Base plate of fixing for columns:



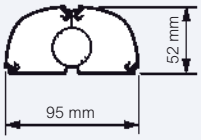
Base plate of fixing for half-columns:



Aluminium body + PVC covers for columns:



Aluminium body + PVC covers for half-columns:



Over floor trunking



0 300 92



0 300 93

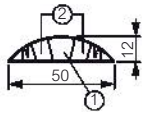


0 328 00

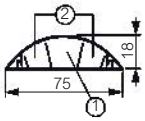


Conform to standard EN 50085-2-2
For creating a link between trunking, column, mini-column, floor units or protecting cables on passageways
Supplied with cover

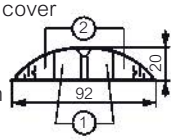
Pack	Cat.Nos	Over floor trunking 50 x 12 mm
54[1]	0 300 92	Length 2 m, supplied with cover 3 compartments Capacity 1: max. Ø9 mm Capacity 2: max. Ø6 mm RAL 7030
		Accessories
10	0 300 12	Cover joint
10	0 300 11	Flat angle



Pack	Cat.Nos	Over floor trunking 75 x 18 mm
		Trunking
36[1]	0 300 93	Length 2 m, supplied with cover 3 compartments Capacity 1: max. Ø14 mm Capacity 2: max. Ø11 mm RAL 7030
		Accessories
10	0 300 19	Cover joint
10	0 300 18	Flat angle



Pack	Cat.Nos	Over floor trunking 92 x 20 mm
		Trunking
20[1]	0 328 00	Length 2 m, supplied with cover 4 compartments Equipped with 2 adhesive strips for better floor fixing Capacity 1: max. Ø14.5 mm Capacity 2: max. Ø9.5 mm RAL 7016
		Accessories
10	0 328 07	End cap
10	0 328 03	Cover joint
5	0 328 02	Flat angle
1	0 328 05	Junction to floor duct



Pack	Cat.Nos	Junction between floor duct and trunkings
		To be used with Cat.No 0 328 00
5	0 107 71 + 0 106 90	For cover 65 mm
5	0 107 72 + 0 106 90	For cover 85 mm

1: Number of metres in pack

Surface-mounting floor units, floor service outlet boxes, access units


0 317 48


0 896 44

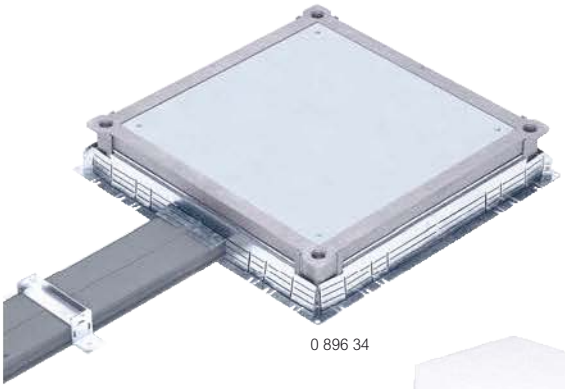

0 893 07


0 896 49

Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Surface-mounting floor sockets to be equipped
		Empty electrical wiring accessories to be equipped with Mosaic screw connection sockets Equipped with pivoting wiring supports for easy installation of sockets Can be combined with over floor trunking Cat.No 0 328 00 Can be illuminated with LED Cat.No 0 899 06
5	0 317 48	2 x 4 modules
5	0 317 49	3 x 4 modules
10	0 899 06	LED to be wired, 230 V High luminescence orange neon
		Floor service outlet boxes - 3 modules
		Access units for raised or concrete floor (minimum height 80 mm) To be equipped with: 1 Mosaic socket outlet 2P+E 2 modules and 1 Mosaic RJ 45 - 1 module or 1 Arteor socket outlet 2P+E and 1 Arteor RJ 45 1 module Grey RAL 7031
1	0 896 44	Floor service outlet box - 3 modules
1	0 896 49	Flush-mounting box for concrete for Cat.No 0 896 44
		Small aluminium access grommet
		Body - cast aluminium Main jaw - injection mouled plastic Nylon 66 Inner jaws - closed cell Neoprene Recommended hole cut-out size: 127 mm diameter Will fit floor tile thickness range of 25 to 55 mm Can form the base of a cable management products such as power posts and poles Standard depth: 60 mm
1	0 893 07	Access grommet IP 20 - IK 08
		Access units
		Access units for raised or concrete floor (minimum height 90 mm) Supplied with stainless steel cover or cover for carpet Grey RAL 7031
		Small dimensions
1	0 896 90	With cover for carpet
1	0 896 91	With stainless steel cover
		Large dimensions
1	0 896 94	With cover for carpet
1	0 896 95	With stainless steel cover

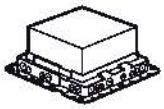
Metal and plastic backboxes for concrete floor


0 896 34

0 896 30

Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Adjustable metal backbox for concrete floor
		Universal backbox For junction of LV and ELV cabling and/or installation of floor boxes Height adjustable from 56 mm to 140 mm using 4 screws located in the box corners and a tool adapting to electric drill or screwdriver Bendable side walls for joining with different sizes of floor ducts Supplied with worksite protection cover to be replaced by blanking cover plate or mounting cover plate
1	0 896 34	Universal metal in-screed backbox
		Cover plates Thickness 3 mm
5	0 896 35	Blanking cover plates for simple junction
5	0 896 36	Adaptor plate for floor boxes 12 modules, or floor boxes of reduced height 10 modules
5	0 896 37	Adaptor plate for floor boxes 18 modules
5	0 896 38	Adaptor plate for floor boxes 24 modules, or floor boxes of reduced height 16 modules
		Auto-adjustable plastic backboxes for concrete floor
		For integration of floor boxes in in-screed floor installations Power supply by flexible conduits Ø16, 20 and 25 mm Supplied with polystyrene for easy installation
1	0 896 30	For 12 modules floor boxes or 10 modules reduced height floor boxes
1	0 896 31	For 18 modules floor boxes
1	0 896 32	For 24 modules floor boxes or 16 modules reduced height floor boxes
		Backboxes for shallow concrete floor and insulation boxes for raised floor
		For integration of 50 mm "reduced height" floor boxes Cat.No 0 880 70 (see opposite) in raised or screed floor installations Power supply by flexible conduits Ø16, 20 and 25 mm or floor trunking 28 mm height
1	0 880 73	Backbox for shallow concrete floor
1	0 880 71	Insulation box for raised floors



PVC floor duct,
please consult us

Adjustable height floor boxes to be equipped

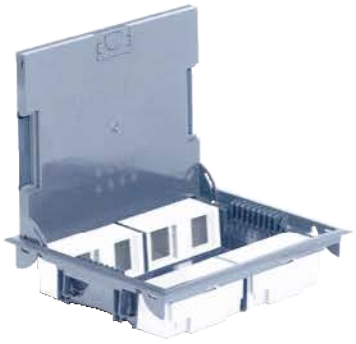


0 896 05



0 896 11 equipped with Mosaic sockets

Reduced height floor boxes to be equipped



0 896 26

Technical characteristics **see e-catalogue**

Pack	Cat.Nos	75-105 mm adjustable height floor boxes
		For raised or screed floor between 75 and 105 mm Conform to standard EN 60-670 and EN 50085-2-2 Workstation connection for raised for screed floor, using plastic or metal backbox (see opposite) Supplied with reversible stainless steel cover or cover for carpet Horizontal wiring device positioning: - height adjustable from 75 to 105 mm - ensure perfect cable separation - takes 2 flexible conduits Ø20 mm - shifted from one another for optimal connection for all sockets - take marking labels Easy opening cover with rings and holding in open position during connection To be equipped with Mosaic or Arteor wiring accessories
		12 modules
1	0 896 05	With stainless steel cover Grey RAL 7031
1	0 896 06	With cover for carpet Grey RAL 7031
1	0 896 07	With cover for carpet Beige RAL 1019
		18 modules
1	0 896 10	With stainless steel cover Grey RAL 7031
1	0 896 11	With cover for carpet Grey RAL 7031
1	0 896 12	With cover for carpet Beige RAL 1019
		24 modules
1	0 896 15	With stainless steel cover Grey RAL 7031
1	0 896 16	With cover for carpet Grey RAL 7031
1	0 896 17	With cover for carpet Beige RAL 1019

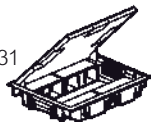






Pack	Cat.Nos	65 mm "reduced height" floor boxes
		For raised or screed floor ≥ 65 mm Conform to standard EN 60-670 and EN 50085-2-2 Workstation connection for raised or concrete floor, using plastic or metal backbox (see opposite) Supplied with reversible stainless steel cover or cover for carpet or parquet Vertical wiring device positioning: - supplied with blanking plates requiring sufficient space between the sockets if angled plugs are used - takes marking labels - ensures perfect cable separation Easy opening cover by rings and holding in open position during connection To be equipped with Mosaic or Arteor wiring accessories
		10 modules
		For installing 4 x 2 modules Mosaic and 2 x 1 module Mosaic
1	0 896 20	With stainless steel cover, grey RAL 7031
1	0 896 21	With cover for carpet, grey RAL 7031
1	0 896 22	With cover for carpet, beige RAL 1019
		16 modules
		For installing 8 x 2 modules Mosaic
1	0 896 25	With stainless steel cover, grey RAL 7031
1	0 896 26	With cover for carpet, grey RAL 7031
1	0 896 27	With cover for carpet, beige RAL 1019





Pack	Cat.Nos	50 mm "reduced height" floor boxes
		16 modules
1	0 880 70	For raised or screed floor betwen 50 and 70 mm Workstation connection for raised or concrete floors To be used with backbox Cat.No 0 880 73 (in concrete floors) or with insulation box Cat.No 0 880 71 (in raised floors) (p. 772) Supplied with cover for carpet Vertical wiring device positioning Ensures perfect cable separation Easy opening cover by handle To be equipped with Mosaic or Arteor wiring accessories With cover for carpet, grey RAL 7031 Can be equipped with stainless steel finishing plate Cat.No 0 880 72
		Stainless steel finishing plate
1	0 880 72	For 50 mm reduced height floor box Cat.No 0 880 70

Floor boxes for carpet



6 896 30 equipped with British Standard sockets and wiring devices (p. 369 to 378)



Rigid cable exits



6 896 31 equipped with British Standard sockets and wiring devices (p. 369 to 378)



Flexible cable exits



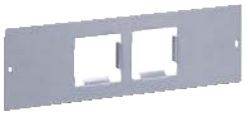
6 896 39



6 896 60



6 896 34



6 896 73



6 896 78

Technical characteristics **see e-catalogue**

Conform to IEC 60670-23 and to BS EN 50 085-2.2
Compatible with either raised access floor trunking system and screed floor system

Pack	Cat.Nos	Lid and trims for carpet
		To be equipped with Arteor wiring accessories Supplied with flexible or rigid cable exits
		3-compartment floor boxes To be fllled on either - modular backbox for raised floors Cat.No 6 896 39 - screed floor backbox Cat.No 6 896 34
5	6 896 30	Grey cover RAL 7031 with rigid cable exits
5	6 896 31	Grey cover RAL 7031 with flexible cable exits
		4-compartment floor boxes To be fllled on either - modular backbox for raised floors Cat.No 6 896 49 - screed floor backbox Cat.No 6 896 45
5	6 896 40	Grey cover RAL 1019 with rigid cable exits
5	6 896 41	Grey cover RAL 1019 with flexible cable exits

Pack	Cat.Nos	Modular backbox for raised floors
		Adjustable height between 86 to 107 mm To be fitted with lid and trims for carpet and support plates for Arteor Wiring accessories (p. 385) Backboxes are connected to the raised floor trunking system with flexible conduits One complete assembly consists of: support frame + modules + lid and trim
		Support frame To be equipped with modules below
1	6 896 39	3 compartments (264 x 264 mm)
1	6 896 49	4 compartments (264 x 341 mm)
		Module
4	6 896 60	Single module for 77 mm plates

Pack	Cat.Nos	Screed floor backboxes
		To be fitted with lid and trim for carpet and support plates for Arteor mechanisms Accept PVC and metal screed floor ducting and conduits Ø20 mm and Ø25 mm Auto-adjustable to screed height 65 up to 90 mm
		For ducting up to 225 mm
1	6 896 34	3 compartments
		For ducting up to 300 mm
1	6 896 45	4 compartments

Pack	Cat.Nos	Support plates for Arteor mechanism
		Support plates for integration of Arteor mechanisms in floor boxes 77 mm width plate
		Flat support plates
12	6 896 73	For 4 modules (2 x 2 modules)
12	6 896 74	For 6 modules (3 x 2 modules)
12	6 896 77	For 6 modules (2 x 3 modules)
		Waved support plates
4	6 896 78	For 4 modules (2 x 2 modules)

Floor boxes for tiles/marble



6 896 56 + 0 896 04



6 896 56 equipped with Arteor mechanisms (p. 369 to 378)



6 896 51 + 0 896 04



6 896 51 equipped with Arteor mechanisms (p. 369 to 378)

Technical characteristics **see e-catalogue**

Conforms to IEC 60670-23 and to BS EN 50 085-2.2
Compatible with screed floor system

Pack	Cat.Nos	Lid and trim for tiles/marble
		To be installed in backbox Cat.No 0 896 04 for screed floor system To be equipped with support plates for Arteor mechanisms (p. 385)
		Single cable outlet stainless steel lid and trim
1	6 896 56	Edge trim for tile 8 to 15 mm thickness
		Single cable outlet powder coated lid and trim
1	6 896 55	Edge trim for tile 8 to 15 mm thickness Grey RAL 7031
		Double cable outlet stainless steel lid and trim
1	6 896 51	Edge trim for tile 8 to 15 mm thickness
1	6 896 52	Edge trim for tile 15 to 12 mm thickness
		Specific backbox
1	0 896 04	For installation of floor boxes Cat.Nos 6 896 51/52/55/56 for screed floor system

Steel & polycarbonate floor box



CFB3EC

Pack	Cat.Nos	3-compartment floor box for South Africa
1	CFB3EC	**Floor box** Recommended hole cut out size: 305 x 225 mm Standard depth: 75 mm Universal knockouts (20/25 mm) to each compartment Manufactured from pre-galvanised steel and polycarbonate/ABS Supplied with back box
		Support plate for Arteor mechanism
1	CFB6MOD	For 6 modules
		Blank plate
1	CFBBLANK	For unused space

Heavy duty in-screed floor box

for concrete floors



0 896 34 + 0 896 83 + 0 896 85



0 896 34 + 0 896 83 + 0 896 86 + 0 896 87



0 896 34 + 0 896 83 + 0 896 88

For highly frequented areas, requiring important mechanical resistance and/or washing down
Conform to standard EN 60-670 and EN 50 085-2-2

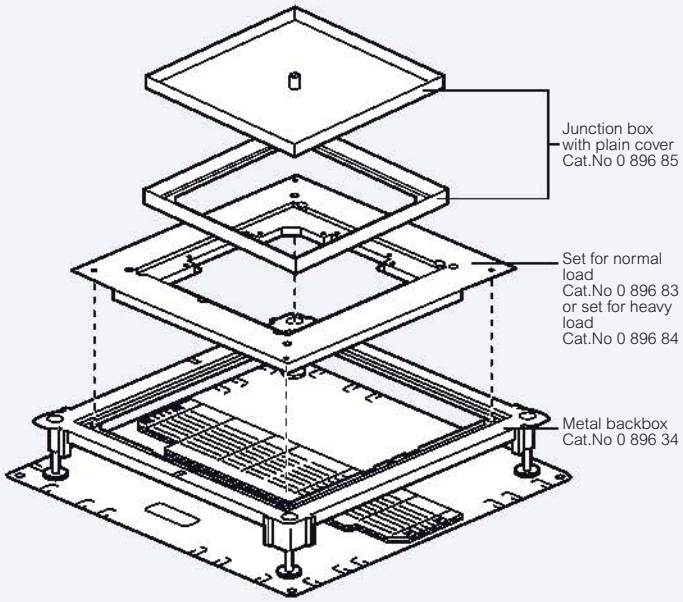
Pack	Cat.Nos	Metal in-screed floor box
1	0 896 34	Universal metal in-screed backbox Junction or connection point for concrete floor according to type of cover associated For junction of LV and ELV cabling and/or installation of floor boxes Height adjustable from 105 mm to 140 mm using 4 inserts located in the box corners and a tool adapting to electric drill or screwdriver Bendable side walls for assembling with different sizes of floor ducts Supplied with worksite protection cover to be replaced by blanking cover plate or mounting cover plate Allowing floor covering infill between 6 and 24 mm
		Accessories for metal in-screed floor box
1	0 896 83	Normal load support Up to 8 KN load with deflection < 6 mm
1	0 896 84	Heavy load support Up to 20 KN load with deflection < 3 mm
6	0 896 39	Set of 2 conduit adaptors for metal cavity floor box Cat.No 0 896 34
		Plates for metal in-screed floor boxes For metal in-screed floor box Cat.No 0 896 34 Use support Cat.No 0 896 83 or 0 896 84
1	0 896 85	**All types of floors** IP 66 plain cover (cover closed) Access trap for junction, no cable exit
1	0 896 86	**Marbled and tiled floors** IP 66 plate (cover closed and plugs not connected) with central cable exit To receive 24 mosaic modules Supplied with all necessary wiring accessories supports
1	0 896 87	**Accessory for plate with central cable exit** Cable exit accessory for IP 66 cover plate Cat.No 0 896 86
1	0 896 88	**Wooden floors** IP 30 plate with 2 lateral cable exits To receive 24 mosaic modules Supplied with all necessary wiring accessories supports

Heavy duty in-screed floor box

Metal in-screed floor box, installation principle

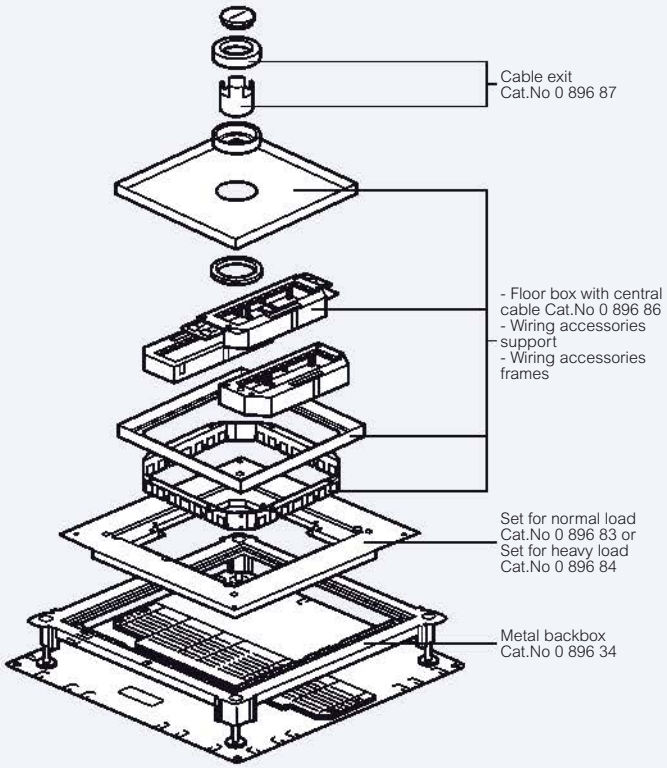
When used as junction box

Junction box with plain cover Cat.No 0 896 85



When used as floor box for wiring accessories

Floor box with central cable Cat.No 0 896 86



Pop-up type flush-mounting boxes

for workstation & meeting room table applications



0 540 13



0 540 18



0 540 23



0 540 06



0 540 00



0 540 45



0 540 47

Technical characteristics **p. 778**

Can be installed in concrete or raised access floors or integrated directly into the furniture (desks, meeting room tables, etc)
Conform to IEC 60670-1, IEC 60670-23 et IEC 60884-1

Pack	Cat.Nos	**Pop-up boxes to be equipped**
		Slim design for perfect integration into the floor or office furniture Soft opening for enhanced comfort and safety Equipped with "push and slide" locking system to avoid accidental opening by feet To be equipped with Mosaic or Arteor socket outlets For installation use the flush-mounting boxes for concrete floors or the kits for raised access floors or table top (see below)
		3 modules
1	0 540 10	Matt Aluminium finsih
1	0 540 15	Brushed Brass
1	0 540 20	Brushed Stainless Steel finish
		6 (2 x 3) modules
1	0 540 12	Matt Aluminium finsih
1	0 540 17	Brushed Brass
1	0 540 22	Brushed Stainless Steel finish
		4 modules
1	0 540 11	Matt Aluminium finsih
1	0 540 16	Brushed Brass
1	0 540 21	Brushed Stainless Steel finish
1	0 540 26	Matt Black
1	0 540 31	Glossy White
		8 (2 x 4) modules
1	0 540 13	Matt Aluminium finsih
1	0 540 18	Brushed Brass
1	0 540 23	Brushed Stainless Steel finish
1	0 540 28	Matt Black
1	0 540 33	Glossy White

		Installation kits for raised access floors or table top
		Include an empty receptacle and fixing brackets for raised access floor tiles or table tops Equipped with cable retainer for power cables, to ensure increased safety of the installation Compatible with: - Cat. 6 data cabling - audio/video cabling
1	0 540 05	3 modules
1	0 540 07	6 (2 x 3) modules
1	0 540 06	4 modules
1	0 540 08	8 (2 x 4) modules

Pack	Cat.Nos	**Flush-mounting boxes for installation in concrete floors**
		For installation of pop-up floor boxes in concrete floors Equipped with knockouts for Φ 20 and Φ 25 mm conduits
		Metal flush-mounting boxes
1	0 540 00	3 modules
1	0 540 02	6 (2 x 3) modules
1	0 540 01	4 modules
1	0 540 03	8 (2 x 4) modules
		Plastic flush-mounting boxes
1	6 503 90	3 modules
10	6 503 31	6 modules

		Retractable kits
		Composition: - retractable cord - Mosaic cover plate - fixing accessory
1	0 540 34	RJ 45 cat. 6 UTP retractable kit. 1 module
1	0 540 36	USB/micro-USB retractable kit. 1 module

		Equipped pop-up boxes
		Slim design for perfect integration into the floor or office furniture Soft opening for enhanced comfort and safety Equipped with "push and slide" locking system to avoid accidental opening by feet Supplied with installation kits for raised access floors or table top
		With power & data sockets - 4 modules Pre-wired and equipped with: - 1 x 2P+E socket - German standard - 2 x RJ 45 data sockets Cat. 6 UTP - 2 m cord with 2P+E plug - 3 m RJ 45 cord with RJ 45 Cat. 6 UTP plug
1	0 540 44	Glossy White
1	0 540 45	Brushed Stainless Steel finish
		With power, data & audio-video sockets 8 (2 x 4) modules Pre-wired and equipped with - 2 x 2P+E socket - German standard - 2 x RJ 45 data sockets Cat. 6 UTP - 1 HD 15 connector + 3.5 mm jack - 2 m cord with 2P+E plug - 3 m RJ 45 cord with RJ 45 Cat. 6 UTP plug - 0.1 m female VGA cord - 0.1 m female jack 3.5 mm cord
1	0 540 46	Glossy White
1	0 540 47	Brushed Stainless Steel finish

Pop-up type flush-mounting boxes

technical characteristics

Technical characteristics

Classification of pop-up flush-mounting boxes according to NFC 61-314 / EN 60670-1 / EN 60670-23

Earthing system: R < 0.05 Ohms
Protection against mechanical impact: IK 07
Degree of protection: IP 30 cover open
IP 40 cover closed
Resistance to vertical load applied through small surface area:
1500 N cover open
3000 N cover closed
Rated voltage: U 500 V - R > 5 MOhms
Electric strength: 2000 V
Installation on the floor: to be installed on floor subjected to a dry treatment

Material

Halogen free, fire proofed and no propagator of the flame
Corrosion resistant and to temperature changes

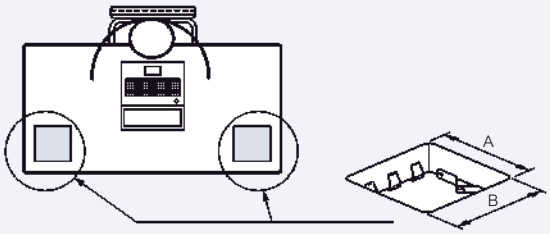
Finishes	Material
Brass	Brass material
Aluminium	Aluminium material
Stainless Steel	Zamak nickel coating
Black	Aluminium material with black painting
White	Aluminium material with white painting

High/low current compatibility

Floor type	High current	Low current
Concrete	Yes	No
Technical floor	Yes	Cat. 6 compatible
Furniture	Yes	Cat. 6 compatible

Installation

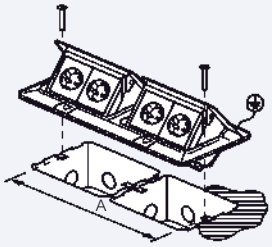
Desk or technical floor



Pop-up size	A(1) (mm)	B(1) (mm)
3 modules	108	108
4 modules	108	131
6 modules	108	218
8 modules	108	263

1: +/- 1 mm

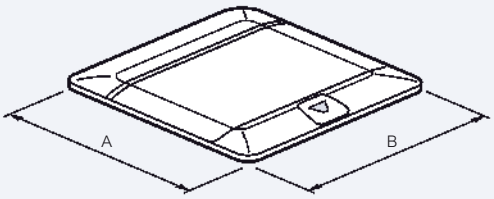
Concrete floors (fixing centres)



Pop-up size	A (mm)
3 modules	84
4 modules	106.5
6 modules	194
8 modules	239

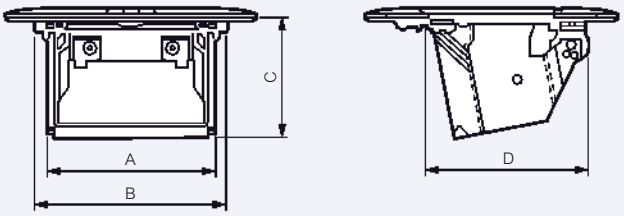
Dimensions

Cover



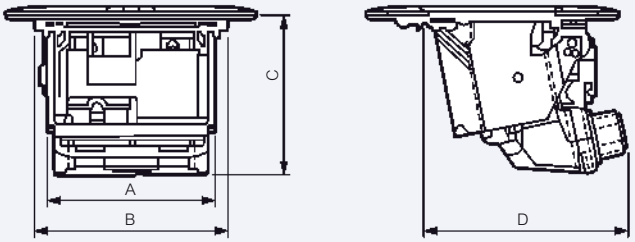
Pop-up size	A (mm)	B (mm)
3 modules	120	120
4 modules	120	142.5
6 modules	120	230
8 modules	120	275

Empty pop-up



Pop-up size	A (mm)	B (mm)	C (mm)	D (mm)
3 modules	79.8	92	57	77.5
4 modules	102.3	114.5	57	77.5
6 modules	189.8	202	57	77.5
8 modules	231.6	247	57	77.5

Pop-up with installation kit for desk or technical floor



Pop-up size	A (mm)	B (mm)	C (mm)	D (mm)
3 modules	79.8	92	74.8	96.1
4 modules	102.3	114.5	74.8	96.1
6 modules	189.8	202	74.8	96.1
8 modules	231.6	247	74.8	96.1

Power & data desk grommets

for workstation & meeting room table application



0 540 80



0 540 86





0 540 73



0 540 60



0 540 62



0 540 63



0 540 66



0 540 67

Technical characteristics **see e-catalogue**

Particularly suitable for integration of power, mobile phone charger and data connections into desks
Conform to IEC 60884-1

Pack	Cat.Nos German standard	Cat.Nos British standard	Equipped power & data desk grommets
			Easily retro fitted into a 60 to 80 mm diameter hole in current office desks and workspace table tops (by replacing the desk grommet) Cover opens to 180° angle to prevent breaking 3680 W at 230 V~ 16 A - 250 V Supplied with finishing plate
			With 2P+E socket Pre-wired and equipped with: - 1 x 2P+E socket with shutters - 2 m power cord with 2P+E plug
1	0 540 80	0 540 90	○ White RAL 9003 finishing plate and mechanism
1	0 540 81	0 540 91	● Black RAL 9017 finishing plate and mechanism
1	0 540 82	0 540 92	● Stainless Steel finishing plate and black mechanism
			With 2P+E socket and USB phone charger Pre-wired and equipped with: - 1 x 2P+E socket with shutters - 1 x USB phone charger output 5 V⎓ 750 mA - 2 m power cord with 2P+E plug
1	0 540 85	0 540 95	○ White RAL 9003 finishing plate and mechanism
1	0 540 86	0 540 96	● Black RAL 9017 finishing plate and mechanism
1	0 540 87	0 540 97	● Stainless Steel finishing plate and black mechanism
			With 2P+E socket, USB phone charger and RJ 45 retractable cord Pre-wired and equipped with: - 1 x 2P+E socket with shutters - 1 x USB phone charger output 5 V⎓ 750 mA - 1 x RJ 45 Cat. 6 UTP retractable cord (can be extended up to 1.35 m on user side) - 2 m power cord with 2P+E plug - 2 m Cat. 6 UTP data cable with RJ 45 plug
1	0 540 88	0 540 98	○ White RAL 9003 finishing plate and mechanism
			Drill
1	0 540 75		For cutting holes of 80 mm diameter

Pack	Cat.Nos	Empty power & data desk grommets
		To be equipped with Mosaic or Arteor socket outlets, pre-wired modules with retractable cords and finishing plates (see e-catalogue) Easily retro fitted into a 60 to 80 mm diameter hole in current office desks and workspace table tops (by replacing the desk grommet) Cover opens to 180° angle to prevent breaking
		For one 2P+E socket
1	0 540 70	○ White RAL 9003
1	0 540 71	● Black RAL 9017
		For one 2P+E socket and USB phone charger Supplied with one USB phone charger output 5 V⎓ 750 mA, to be wired
1	0 540 72	○ White RAL 9003
1	0 540 73	● Black RAL 9017
		Finishing plates for empty power & data desk grommets
		For fitting on an empty power & data desk grommets
10	0 540 60	○ White RAL 9003
10	0 540 62	● Black RAL 9017
10	0 540 63	● Stainless Steel
10	0 540 61	○ White RAL 9003 for Cat. 6A data networks
		Pre-wired modules with retractable cord
		For fitting on power & data desktop modules (under the table top) Automatic cable rewind when not connected, for an optimized use of the desk surface
		Cat. 6 FTP
1	0 540 65	Equipped with: - 1.35 m RJ 45 Cat. 6 FTP retractable cord on the user side and - 1 x RJ 45 socket on the installation side Patch cord for connection to data network to be ordered separately (p. 673)
		Cat. 6 UTP
1	0 540 66	Equipped with: - 1.35 m RJ 45 Cat. 6 UTP retractable cord on the user side and - RJ 45 socket on the installation side Patch cord for connection to data network to be ordered separately (p. 673)
		USB / micro USB
1	0 540 67	Equipped with: - 1.35 m retractable cord with micro USB connector, on the user side and - 0.5 m cable with USB connector on the installation side

Desktop multi-outlet extensions



6 535 50



6 535 53



6 535 30

Aluminium extensions with reversible cable guide for grouping cords of connected devices
For low current sockets, connection on RJ 45 sockets or area distribution box with specific cord RJ 45/stripped Cat.Nos 0 517 96/97/98 (see p. 676)
2P+E sockets with 45° sloping screw recesses for easy insertion of angled plug
16 A - 250 V - with shutters
3680 W at 230 V per circuit
Conform to IEC 60-884-1

Pack	Cat.Nos	With high-current sockets
		Supplied without cord Hight current connection on terminal blocks with cable grip
1	6 535 50	- 6 x 2P+E sockets - 1 illuminated switch
1	6 535 51	- 2 x 2P+E sockets - 2 x 2P+E tamperproof sockets

Pack	Cat.Nos	With high-current and low-current sockets
		Supplied without cord Hight current connection on terminal blocks with cable grip
1	6 535 52	- 4 x 2P+E sockets - 3 x RJ 45 sockets Cat. 6 UTP 1 module
1	6 535 53	- 2 x 2P+E sockets - 2 x 2P+E tamperproof sockets - 2 x RJ 45 sockets Cat. 6 UTP - 2 blanking plates 1 module for VDI

Pack	Cat.Nos	With high-current sockets, USB phone charger and data connection
1	6 535 30	- 2 x 2P+E sockets - 1 x USB phone charger - 0.9 m RJ 45 Cat. 6 FTP retractable cord - 3 m power cord with 2P+E plug
1	6 535 31	- 2 x 2P+E sockets - 1 x USB phone charger - 2 x RJ 45 sockets Cat. 6 UTP - 3 m power cord with 2P+E plug

Desktop multi-outlet extensions to be equipped



0 535 90



0 535 91



0 535 99



0 535 98

Pack	Cat.Nos	Empty aluminium extensions
		Aluminium extensions with cable guide (reversible) To be equipped with Mosaic sockets
1	0 535 90	8 modules
1	0 535 91	12 modules
1	0 535 92	16 modules

Pack	Cat.Nos	Accessories
		Fixing accessory
5	0 535 99	Fixing accessory to clip on desktop
		Cable worm

Meeting room multi-outlet extensions with cord


6 535 75


6 535 77


6 535 70


6 535 72

Pack	Cat.Nos	For meeting rooms with central table
		Equipped with 8 x 2P+E sockets with 45° sloping screw recesses for easy insertion of angled plug On/off switch with light indicator 3680 W at 230 V~ Equipped with 5 m cord (HO5VVF 3G 1,5 mm²) with 2P+E plug Supplied with carrying case
		High current
1	6 535 74	For connecting up to 8 devices Composition: - 8 x 2P+E with 45° sloping screw recesses
		With non manageable switch
1	6 535 75	For connecting up to 8 devices and networking up to 6 peripherals (computers...) Requires 5 the use of Ethernet 10/100 base T network cards on the peripherals for 10/100 Mbps data exchanges Composition: - 8 x 2P+E sockets - 1 10/100 base T non manageable switch 6 ports Network cable not supplied
		With non manageable switch and HD 15 + jack socket
1	6 535 77	For connecting up to 7 devices and networking up to 6 peripherals (computers…) One connection point with HD 15 connector and a 3.5 mm jack Requires the use of Ethernet 10/100 base T network cards on the peripherals for 10/100 Mbps data exchanges Composition: - 7 x 2P+E sockets - 1 10/100 base T non manageable switch with 6 ports - 1 HD 15 socket + 3.5 mm jack - 1 female VGA cord, length 1 m. To be used with a VGA extension - 1 female jack 3.5 mm cord, length 1 m Network cable not supplied

Pack	Cat.Nos	For meeting rooms with U table
		Aluminium extensions 2P+E sockets with 45° sloping screw recesses for easy insertion of angled plug 16 A - 250 V~ with shutters 3680 W at 230 V~ per circuit Equipped with 3 m cord (H05VVF, 3G 1,5 mm²) with 2P+E plug and 3 m cord with RJ 45 Cat.6 FTP plug, wired
		With switch
1	6 535 70	For connecting up to 6 devices and networking up to 6 peripherals (computers...) Requires 5 the use of Ethernet 10/100 base T network cards on the peripherals for 10/100 Mbps data exchanges Voltage power indicator on front panel Composition: - 6 x 2P+E sockets - 1 non manageable 10/100 base T switch 6 ports
		With non manageable switch and HD 15 + jack socket
1	6 535 72	For connecting up to 5 devices and networking up to 6 peripherals (computers…) One connection point with HD 15 connector and a 3.5 mm jack Requires the use of Ethernet 10/100 base T network cards on the peripherals for 10/100 Mbps data exchanges Composition: - 5 x 2P+E sockets - 1 10/100 base T non manageable switch with 6 ports - 1 HD 15 socket + 3.5 mm jack - 1 female VGA cord, length 1 m. To be used with a VGA extension - 1 female jack 3.5 mm cord, length 1 m



MOSAIC

WIRING ACCESSORIES & HEALTHCARE BUILDINGS

Mosaic™ Programme



P. 784
Switches, pushbuttons, ventilation control



P. 791
Keyswitches, emergency pushbuttons, keycard switches



P. 798
TV sockets, audio/video sockets



P. 806
Plates and supports

Specific functions for healthcare buildings



P. 809
Antimicrobial call units and nurse call units for day hospitals...



P. 818
Antimicrobial bedhead strips

NEW PRODUCTS 2014



Colour lighting management

solutions to create lighting ambiances in up to 4 areas
(p. 787)



USB chargers

2 modules
Mosaic™ Programme
(p. 793)



P. 786
Sensitive switch, touch switches, automatic switch and switch sensors



NEW
P. 787
Dimming control and color lighting management



P. 789
Time switches, temperature regulation



P. 790
Roller blind controls



P. 792
International standards socket outlets



P. 793
USB chargers



P. 794
Protection mechanisms, buzzers and bells



P. 795
RJ 45, data and telephone sockets



P. 801
Wi-Fi access points, rear pluggable RJ 45 sockets



P. 802
Illuminated signs



P. 803
Surface-mounting boxes and adaptors



P. 805
Workstation kits



P. 810
Antimicrobial call units for rooms and bathrooms



P. 811
Antimicrobial control units for bedhead strips



P. 812
BUS/SCS antimicrobial nurse call units



P. 816
Antimicrobial snap-on trunking



P. 822
Lighting to assist with independent living



P. 823
Isolating transformers for hospitals


0 792 01


0 792 11


0 770 02


0 792 12


0 770 14


0 770 27

Selection chart for boxes, supports and plates **p. 804-805**

All two-way switches with indicator have a terminal for neutral connection and have to be equipped with an indicator

One-way switches 10 AX - 250 V~

Fast connection via automatic terminals, no tool required

1 module

Pack	Cat.Nos	
10	0 770 00	White

2 modules

Pack	Cat.Nos	
10	0 770 10	White

Two-way switches 10 AX - 250 V~

Fast connection via automatic terminals, no tool required

1 module

Pack	Cat.Nos	
10	0 770 01	White
10	0 792 01	Alu
10	0 787 10	White antimicrobial

2 modules

Pack	Cat.Nos	
10	0 770 11	White
10	0 792 11	Alu
10	0 787 11	White antimicrobial

1 module with LED indicator

Pack	Cat.Nos	
10	0 770 02	White
10	0 792 02	Alu

2 modules with LED indicator

Pack	Cat.Nos	
10	0 770 12	White
10	0 792 12	Alu
10	0 787 12	White antimicrobial

2 modules intermediate switch

Pack	Cat.Nos	
10	0 770 21	White
10	0 792 21	Alu

Two-way switches 20 AX - 250 V~

Screw terminals

1 module

Pack	Cat.Nos	
10	0 770 60	White

1 module with LED indicator

Pack	Cat.Nos	
10	0 770 62	White

2 modules

Pack	Cat.Nos	
10	0 770 92	White

2 modules with LED indicator

Pack	Cat.Nos	
10	0 770 94	White

2-pole one-way switches

2 modules

Pack	Cat.Nos	
10	0 770 50	White

2 modules with LED indicator

Pack	Cat.Nos	
10	0 770 52	White

2-pole two-way switches

2 modules

Pack	Cat.Nos	
10	0 770 63	White

2 modules with LED indicator

Pack	Cat.Nos	
10	0 770 64	White

Pull-cord switches

Fast connection via automatic terminals, no tool required

Two-way switch, 10 AX - 2 modules

For controlling 230 V~ incandescent and halogen lamps up to 2300 W

Pack	Cat.Nos	
1	0 770 14	White

Two-way pushbutton - 6 A, with pull cord

2 modules

Pack	Cat.Nos	
1	0 770 44	White

Cord for pull mechanism

Pack	Cat.Nos	
10	0 898 05	Length 1.5 m

Ventilation control

Fast connection via automatic terminals, no tool required

Two-way switch

For direct control of controlled mechanical ventilation 10 AX - 250 V~

Pack	Cat.Nos	
1	0 770 27	White antimicrobial

Lighting management solutions, **p. 590, 592**

Mosaic™ Programme mechanisms

pushbuttons and accessories


0 770 30


0 770 33


0 770 43

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos.	Pushbuttons 6 A - 250 V~
		Fast connection via automatic terminals, no tool required
		1 module
10	0 770 30	 White
10	0 792 30	Alu
10	0 787 14	White antimicrobial
		2 modules
10	0 770 40	 White
10	0 792 40	Alu
10	0 787 15	White antimicrobial
		1 module with neon for indicator function
10	0 770 33	 White

Pack	Cat.Nos.	Two-way pushbuttons 6 A - 250 V~
		1 module
10	0 770 31	 White
		2 modules
10	0 770 41	 White
		1 module with LED indicator
10	0 770 32	 White
10	0 792 32	Alu
		2 modules with LED indicator
10	0 770 42	 White
10	0 792 42	Alu
10	0 787 16	White antimicrobial
		2 modules with label-holder
10	0 770 43	 White antimicrobial

Pack	Cat.Nos	Accessories
		Indicator lights
		For illuminated function of Cat.Nos 0 770 02, 0 792 02 and 0 770 32/42. Connected by direct mounting
	 White	Maintenance-free lamp (LED)
10	0 676 66	 230 V. Consumption 0.15 mA
10	0 676 67	 12 V – 24 V – 48 V DC consumption: 12 V : 0.2 mA ; 24 V : 0.9 mA ; 48 V : 2.7 mA AC consumption: 12 V : 0.4 mA ; 24 V : 1.2 mA ; 48 V : 3.7 mA
		Monitor lights
		For indicator function of two-way switches Cat.Nos 0 770 02/12, 0 792 02/12 and 0 770 33
	 White	Connected by direct mounting Maintenance-free lamp (LED)
10	0 676 68	 Distributed phase wiring monitor light 230 V. Consumption 3 mA
10	0 676 65	 Existing wiring monitor light 230 V. Consumption 3 mA
		Indicator for socket outlets and 2-pole switch
		For indicator or illuminated function of Cat.Nos 0 770 12, 0 770 52, 0 770 62, 0 770 93/94, 0 792 12 and 0 792 32/42
10	0 676 64	 230 V. Consumption 2.4 mA To be wired

Lighting management solutions,
p. 590, 592



Nurse call units,
p. 809



Mosaic™ Programme mechanisms

sensitive switch, touch switches, automatic switch for time-lag switch and switch sensors


0 766 66


0 787 13


0 784 57


0 784 52 + 0 788 02 (plate)


0 784 54 + 0 788 02 (plate)

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos	Sensitive switch 10 AX
1	0 766 66	For controlling light sources by simply passing the hand close to the switch (maximum loads, see p. 788) Particularly suitable for applications in medical environments Up to 5 sensitive switches can be combined to control the same lighting circuit Supplied with LED indicator light ○ White - antimicrobial

Pack	Cat.Nos	Touch switches
		For controlling light sources and other functions by simply passing the hand close to the switch Particularly suitable for applications in medical environments Marking possible with label (supplied) to be put under the cover plate 2 modules
		Switch with neutral Equipped with indicator light (LED) For controlling lamps (maximum loads, see p. 788): - Up to 1000 W for 230 V~ incandescent or halogen - Up to 500 VA for ELV halogen with ferromagnetic or electronic transformer
1	0 787 09	○ White antimicrobial
		NO/NC contact pushbutton – not supplied Equipped with LED indicator light and feedback indicator to be wired. Particularly suitable for controlling door releases and locks 12/24 V Supply: 12 V⎓ Consumption: 0.2 W Contact: 12 or 24 V⎓, 5 A max.
1	0 787 13	○ White antimicrobial

Pack	Cat.Nos	Automatic switch for time-lag switch
		Without neutral, 2-wire To be associated with a time-lag switch (p. 77) Allows automatic turning on/off in a hall, staircase... Replaces a push-button The time delay setting must be the same as that of the time-lag switch
1	0 784 57	White

Pack	Cat.Nos	180° switch sensors - Detection field 15 m² - for small conference rooms and private offices
		Wall mounting Automatic lighting management for places benefiting from natural light (private offices/open space offices, meeting rooms,...) Functioning: - occupancy mode: automatic on/off switching upon detection - vacancy mode: manual switching on with pushbutton, automatic switching off Factory pre-set: time delay 15 minutes, light level threshold 500 lux for false ceiling sensors, 300 lux for flush-mounting sensors Precise adjustment through mobile configurators
		Vacancy mode with neutral
		Dual tech - Maximum range 10 m – IP 41
1	0 784 52	○ White
1	0 792 52	○ Grey
		Vacancy mode without neutral
		PIR - Maximum range 10 m – IP 41
1	0 784 53	○ White
1	0 792 53	○ Grey

Pack	Cat.Nos	180° switch sensors – Detection field 15 m² – movement detection
		Wall mounting Automatic lighting management for little frequented passageways (garage, stockroom, corridor,...) Functioning: automatic on/off switching upon detection Manual adjustment of light level threshold and time delay via thumbwheel/screwdriver Factory pre-set to occupancy mode
		PIR - Maximum range 10 m – IP 41 Screw terminal connection
1	0 784 54	○ White - With neutral
1	0 792 58	○ Grey - With neutral
1	0 784 55	○ White - Without neutral
1	0 792 59	○ Grey - Without neutral

Lighting management solutions, **p. 590-592**

Mosaic™ Programme mechanisms

dimming control



0 792 07



0 784 02

Selection chart for boxes, supports and plates **p. 804-805**

All dimmer switches have separate buttons on the front face for switching on/off and for +/- dimming
Can be remotely controlled via non-illuminated pushbuttons (p. 785), with each pushbutton able to perform the dimming function
When switched on, lighten at the level set before last switched off
For installation in flush-mounting box depth 40 mm min.

Pack	Cat.Nos	
		Dimmer switches 110-230 V∿ - 50 Hz
		All dimmer switches (except for Cat.No 0 784 05) can be used as two-way switches in combination with a switch (p. 784)
		Universal dimmers
		Without neutral, 2 wires Push-button dimmer for all types of lamps : - dimmable LEDs: 75 W (10 lamps max.) - dimmable compact fluorescent lamps: 75 W (10 lamps max.) - halogen with transformer: 400 VA - fluorescent tube: 200 VA - halogen 230 V and incandescent: 400 W Can be associated with one or several push-buttons without neon, for ON/OFF or dimming control Lights come on again at the same lighting level as before they were last switched off
	2 modules	
1	0 784 07	○ White
1	0 792 07	○ Alu
		Dimmer 600 W
		For controlling lamps: see opposite Status memory funcion. Can be controlled (on/off/dimming) via one or more pushbuttons
1	0 784 05	○ White
		With neutral, 3-wire, 1000 W
		For controlling lamps: see opposite 5 LEDs displaying the current level of the circuit
	5 modules	
1	0 784 02	○ White finish cover plate
		Dimmer switch 0-10 V
		For controlling lamps: see opposite
	2 modules	
1	0 784 04	○ White
		Auxiliary control unit for DIN dimmer
	2 modules	
1	0 784 10	Remote control dimming peripheral for local control of a remote control dimmer, with the same easy operation as a conventional dimmer A power supply Cat.No 0 036 80 is required for controlling DIN-rail modular remote control dimmers Cat.Nos 0 036 60/71 (p. 78)

Mosaic™ Programme

color-lighting management



0 784 03



0 488 60

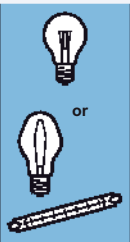
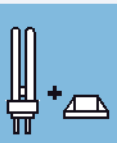
Pack	Cat.Nos	
		Color-lighting dimmers
		Allow the user to create lighting ambiances For (LEDs) DALI ballasts and drivers For controlling max. 21 RGB (Red/Green/Blue) luminaires Configuration via “learn” button Ideal for show-rooms, shops, restaurants, hotels, beauty salons... Work with power supply Cat.No 0 035 15 White
		Dimmer - 1 area
1	0 784 03	Allows manual change of colors
		Touch dimmer - 1 to 4 areas
1	0 488 60	Allows the creation of up to 4 lighting ambiances in up to 4 areas Multicolor dimming Light adjustments: - colors: via touch chromatic circle - intensity: via bargraph Supplied with support For installation in 2-module flush-mounting box depth 50 mm
		DALI power supply
1	0 035 15	For installation in false ceiling Works with color-lighting dimmers Cat.Nos 0 784 03 and 0 488 60 230 V - 250 mA – 16 V=

Lighting management solutions, **p. 590-592**

Mosaic™ Programme mechanisms

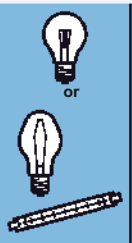
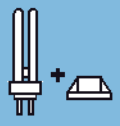
maximum loads

Switches and dimmers maximum loads at 230 V~

Cat.Nos	 Incandescent or halogen lamps	 ELV halogen with ferromagnetic transformer	 ELV halogen or compact fluorescent or LED with electronic transformer	 Fluorescent tube	 LED or fluorescent load with 1-10 V~ electronic ballast	 Compact fluorescent and dimmable compact fluorescent bulb	 LED bulb	 Motor	 Backup heating system	 Contactor
Sensitive switches										
0 766 66	1000 W	500 VA	500 VA	500 VA	-	500 VA	-	100 VA	1000 W	I max ≤ 2A
Dimmer switches										
0 784 02	100 W 1000 W	100 VA 1000 VA	100 VA 1000 VA	-	-	-	-	-	-	-
0 784 04	-	-	-	-	40 VA 600 VA	-	-	-	-	-
0 784 05	40 W 600 W	40 VA 600 VA	-	-	-	-	-	-	-	-
0 784 07 0 792 07	3 W 400 W	3 VA 400 VA	3 VA 400 VA	3 VA 200 VA	-	3 W 75 W (10 lamps maxi)	3 W 75 W (10 lamps maxi)	-	-	-
Switch sensors										
0 784 53 0 792 53 0 784 55 0 792 59	40 W 400 W	40 VA 400 VA	40 VA 400 VA	-	-	-	20 VA 400 VA(2)	-	-	-
0 784 52 0 792 52 0 784 54 0 792 58	2000 W	1000 VA	1000 VA	10 x (2 x 36 W)	-	250 VA	500 VA	-	2000 W	I max ≤ 2 A
Timer switch										
0 784 20	1000 W	400 VA	400 VA	-	-	-	-	250 VA	1840 W	-
Programmable time switch										
0 784 25	1200 W	1800 VA	2300 VA	-	-	100 VA(1)	-	1800 VA	-	-
Touch switch										
0 787 09	1000 W	500 VA	500 VA	500 VA	-	500 VA	500 VA	100 VA	1000 W	I max ≤ 2 A

1: Does not work with dimmable compact fluorescent bulb
2: Works with dimmable LED bulbs

Compatibility of switches with light indicator (without neutral)

Cat.Nos	 Incandescent or halogen lamps	 ELV halogen with ferromagnetic transformer	 ELV halogen with electronic transformer	 Fluorescent tube	 Compact fluorescent and dimmable compact fluorescent bulb	 Fluorescent load with 1-10 V~ electronic ballast	 LED bulb	 Motor	 Backup heating system	 Contactor
Indicator light										
0 676 66	YES	YES	YES	NO	NO	NO	NO	YES	YES	NO
Illuminated supports										
0 802 60 0 802 57 0 802 58	YES	YES	YES	NO	NO	NO	NO	YES	YES	NO

Mosaic™ Programme mechanisms

timer switch, programmable time switch



0 784 20



0 784 25

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos	Timer switch
1	0 784 20	Interference suppression conforming to standard EN 55022 For timer control of a circuit with the following loads: - 1000 W 230 V~ incandescent and halogen - 1840 W resistive (heating) - 400 VA fluorescent and ELV halogen It is possible to install a number of timer switches in parallel on the same circuit 2-wire installation in 40 mm min. box Has an integrated LED. 2 modules ○ White

Pack	Cat.Nos	Programmable time switch
1	0 784 25	20 hours working reserve Capacity: 8 weekly programmes Temporary or permanent override 1 output - 6 A - 250 V~ cos φ = 1 1 changeover contact Used to programme the control of a circuit with the following loads: - 1200 W 230 V~ incandescent and halogen - 1800 VA fluorescent Ø26 or 38 mm and ELV halogen with ferromagnetic or electronic transformer - 1800 W motors (ventilation only) - 3600 W resistive (heating only) ○ White

Mosaic™ Programme mechanisms

heating, temperature regulation



0 767 20



0 767 21

Selection chart for boxes, supports and plates **p. 804-805**

Fast connection via automatic terminals, no tool required

Pack	Cat.Nos	Room thermostats
1	2 modules 0 767 20	Power supply 230 V~ - 50/60 Hz Suitable for regulation of ceiling panel heating and direct floor heating **Electronic** Adjustment range from 5 °C to 30 °C Adjustment accuracy +/- 0.5 °C (category B) One output by non-powered contact Pushbutton on front face for selecting the operating mode (off, switch off when temperature falls or rises) • LV use Breaking capacity: - 8 A / 230 V~ - resistive circuit - 2 A / 230 V~ - inductive circuit • ELV use Breaking capacity from 1 mA min. to 500 mA max. 12 to 48 V~ / 12 to 24 V⎓ ○ White
1	5 modules 0 767 21	**Electronic with weekly programming** Provides temperature regulation for oil, gas and electric heating installations in comfort, reduced and frost-free modes Permanent display of the current programme 4 preset programmes, 1 free programme, 4 time periods max. per day, 2 adjustable temperature levels Adjustment range: 7 °C to 30 °C Adjustment accuracy: ± 0.5 °C (category B) Permanent backup of programmes Working reserve 100 h 1 output by changeover contact Breaking capacity: - 8 A - 250 V~ - resistive circuit - 2 A - 250 V~ - inductive circuit - 1 to 500 mA max. - 12 to 48 V~ ○ White

Pack	Cat.Nos	Sensor for DIN-rail modular thermostat
1	2 modules 0 767 23	Measures the temperature for DIN-rail modular thermostat To be installed with a support (p. 808) ○ White

Mosaic™ Programme mechanisms

roller blind controls


0 787 05


0 792 28


0 784 27

Selection chart for boxes, supports and plates **p. 804-805**

Fast connection via automatic terminals, no tool required

Pack	Cat.Nos	
		Roller blind switches
		For direct raise/lower/stop control of 500 W max. blind, awning or canopy motor
10	0 770 26	○ White
1	0 792 26	Alu
1	0 787 05	○ White antimicrobial
		Roller blind pushbuttons
		For 1 roller blind
		For controlling 500 W max. blind, awning or canopy motor by electronic control box
10	0 770 25	○ White
1	0 792 25	Alu
		For 1 or several roller blinds
		For direct control of motors
		Can be associated with multiple control relay Cat.No 0 676 22 (2 positions: up/down)
10	0 770 28	○ White
1	0 792 28	Alu
		Radio/ZigBee® roller blind controls
		Individual or centralized controls, depending on setting
		Management of the electronic end stop included in the programmable opening setting
		Functioning via 2.4 GHz Radio waves
		2 modules
		230 V~ controls
		To be flush-mounted in boxes depth 50 mm recommended
1	0 784 27	○ White
1	0 791 27	Alu
		Wireless wall-mounted controls
		Equipped with Lithium 3 V CR 2032 batteries
		Mounting accessories supplied
		To be installed directly on the wall, without a flush-mounting box
1	0 784 28	○ White
1	0 791 28	Alu
		Single pole relay
1	0 766 90	Used to bring functions with low breaking capacity close to the application Resistive: 3000 W Incandescent: 1800 W LV halogen: 1800 W Fluorescent: 400 VA Motors (roller blind type): 530 W 2 modules
		Multiple control relay
1	0 676 22	For controlling several roller blinds simultaneously To be mounted in flush-mounting box depth 40 mm

MOSAIC™ PROGRAMME

Mosaic™ Programme ensures adaptability

Get power & data delivered just where users need it through innovative functions and ergonomic designs.

DISCOVER OUR SOLUTIONS

- Flexible and evolving installations : false floor, false ceiling, trunkings,... the MosaicTM Programme offers numerous different installation modes, adapted for high currents and data networks
- Ergonomic and aesthetic solutions elaborated for a perfect integration in your office environment



- Pop-up boxes

See p.777



- Meeting room multi-outlet extensions

See p.781

Discover the pop-up type flush-mounting boxes, **see e-catalogue**

Mosaic™ Programme mechanisms

keyswitches, emergency stop pushbuttons, keycard switches, hotel bedroom indicators, shaver socket


0 770 72


0 770 75


0 766 01


0 784 80


0 770 47

Selection chart for boxes, supports and plates **p. 804-805**

Keyswitches

Pack	Cat.Nos	
		2 modules
1	0 770 72	**2-position switch** By changeover contact 6 A - 250 V~ RONIS key no. 601 Key can be removed in both positions ○ White
1	0 770 73	**3-position switch** Changeover switch with OFF position 6 A - 250 V~ RONIS key no. 601 Key can be removed in all 3 positions ○ White
1	0 770 74	**2-position switch - European key barrel** 1 contact - 2 poles 6 A - 250 V~ Key can be removed in both positions Must be fitted with standard European key barrel or key barrel Cat.No 0 697 95 ○ White
1	0 770 75	**3-position pushbutton- European key barrel** Changeover switch with OFF position 6 A - 250 V~ Must be fitted with standard European key barrel or key barrel Cat.No 0 697 95 ○ White
1	0 697 95	**European key barrel** European key barrel supplied with one set of 3 keys

Emergency stop mushroom head pushbuttons

Pack	Cat.Nos	
		2 modules
1	0 766 01	**With key** NO + NC 3 A - 250 V~ Unlock with RONIS key no. 455 ◐ Red/yellow
1	0 766 02	**1/4 turn** NO + NC 3 A - 250 V~ 1/4 turn unlocking ◐ Red/yellow

Keycard switches

Pack	Cat.Nos	
		For energizing a circuit by inserting an ISO format card (e.g: Cat.No 0 767 11 or hotel room access card) Time-delay: 30 sec. after card removal Backlight insert badge area 2 modules
1	0 784 80	**Electronic keycard switches** Operates via contact with ISO card or key fob Cat.No 0 898 06 Communication: BUS/SCS
1	0 767 28	Only operates with MIFARE contactless ISO badge cards (e.g Cat.Nos 0 767 11/12/13) Contact capacity: - 110 V, power 15 VA - 230 V, power 30 VA
1	0 784 45	**Mechanical keycard switches** Operates via contact with ISO card or key fob Cat.No 089806 Contact capacity: - 110 V, power 15 VA - 230 V, power 30 VA
1	0 898 06	Key fob Supplied complete with a label holder for individual hotel identification

Hotel bedroom indicators

Pack	Cat.Nos	
		Indicator lamp and bell push Enables the resident to inform hotel staff of the room status Two settings are possible: - do not disturb - please clean the room
5	0 770 47	Installed in the corridor, displays calls Supplied with lamps
5	0 770 48	Allows the user to select the desired setting Supplied with lamp Cat.No 0 676 68 (p. 785)

Shaver socket IP 24 - IK 04

Pack	Cat.Nos	
		Conform to EN 60742 and EN 61558-2 Power supply 230 VA - 50/60 Hz and 1 output 120/220 V~ Connection via automatic terminals Equipped with a circuit separation transformer to isolate the user from the mains supply Protected against overloads and short circuits by built-in thermal relay limiting the available power to 20 VA Insertion of the plug activates the power supply to the transformer
1	0 775 86	With integrated support For flush mounting 2 gang boxes only, 40 mm deep 5 modules

Mosaic™ Programme mechanisms

multi-support single and multiple sockets: German standard


0 772 17


0 772 31


0 772 19


0 772 52


Automatic terminals

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos	Multi-support single sockets - German standard
		For installation in flush-mounting box, surface-mounting box, floor box, column module, desktop multi-outlet extension, office module and trunking 2 modules
		2P+E with shutters for child protection
10	0 772 11	○ White - automatic terminals
10	0 772 13	○ White - with special tap-off screw and 4 mm² screw terminals
10	0 772 18	● Red - automatic terminals
10	0 792 13	● Alu - screw terminals
10	0 787 02	○ White antimicrobial - screw terminals
10	0 772 16	● Green antimicrobial - automatic terminals
10	0 772 17	● Orange antimicrobial - automatic terminals
10	0 772 20	● Red antimicrobial - screw terminals
		2P+E without child protection
10	0 772 10	○ White - screw terminals
		2P+E angled 45°
10	0 772 45	○ White - automatic terminals
		2P+E tamperproof
10	0 772 14	● Red - screw terminals To be used with the tamperproof insert Cat.No 0 502 99
		2P+E "Access Design" Special for disabled persons Simple action on the lever allows easy plug-in or unplug
1	0 772 31	○ White antimicrobial
		2P+E with cover
10	0 772 19	○ White antimicrobial - automatic terminals
		2P+E with indicator
10	0 772 12	○ White antimicrobial - automatic terminals Indicator 230 V - 2.4 mA supplied

Pack	Cat.Nos	Multi-support multiple sockets - German standard
		For installation in flush-mounting box, surface-mounting box, floor box, column module, desktop multi-outlet extension and office module Inclined 45° Connection by automatic terminals
		2 x 2P+E
10	0 772 52	○ White
10	0 772 90	○ White - with indicator 230 V - 2.4 mA (supplied)
10	0 792 82	● Alu
10	0 772 72	● Red
10	0 772 91	● Red - with indicator 230 V - 2.4 mA (supplied)
10	0 772 81	● Red - tamperproof. To be used with tamperproof insert Cat.No 0 502 99
10	0 772 92	● Red - tamperproof, with indicator 230 V - 2.4 mA (supplied). To be used with tamperproof insert Cat.No 0 502 99
		3 x 2P+E
10	0 772 53	○ White
10	0 792 83	● Alu
10	0 772 82	● Red
10	0 772 73	● Red - tamperproof. To be used with tamperproof insert Cat.No 0 502 99
		4 x 2P+E
5	0 772 54	○ White
5	0 772 83	● Red
5	0 772 74	● Red - tamperproof. To be used with tamperproof insert Cat.No 0 502 99
		Tamperproof insert
10	0 502 99	Tamperproof insert for socket Fits directly into the plug

Sockets for snap-on trunking
p. 746



Sockets for DLP trunking
p. 758



Mosaic™ Programme mechanisms

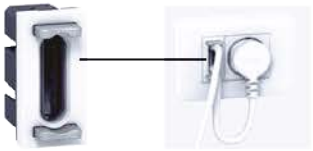
international standards socket outlets


0 775 02


0 775 04


0 775 05


0 775 06


0 770 80

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos	Other standard socket outlets
		Euro-US standard - white
10	0 775 01	1 module
10	0 775 02	2 modules
		US standard - white
10	0 775 03	1 module
10	0 775 04	2 modules - 15 A
		British standard - white
10	0 775 05	2 modules - 13 A
		Italian type - white
10	0 775 10	1 module - 10 A - screw terminals
10	0 775 11	1 module - 10/16 A - screw terminals
		German-Italian standard
10	0 775 12	2 modules - 16 A - screw terminals
		Swiss type - white
10	0 775 06	2 modules - type 13
		Danish standard - white
10	0 775 08	2 modules - with shutters for child protection
10	0 775 09	2 modules - for UPS - with shutters for child protection

2P ELV socket outlet

With shutters for child protection
For installation in flush-mounting box, surface-mounting box, floor box, column module, desktop multi-outlet extension, office module and trunking

Pack	Cat.Nos	
10	0 771 50	1 module - white antimicrobial

Anti-extraction module

When used with a socket, avoids accidental unplugging of sensitive electrical equipment, by gripping the cord (Ø4 to 8 mm cords)
Can withstand an extraction force of 350 N (35 kgs)

Pack	Cat.Nos	
1	0 770 80	1 module - white antimicrobial

Technical characteristics, **available in the e-catalogue**

Mosaic™ Programme mechanisms

USB chargers


0 775 94


0 775 91


0 793 93

Selection chart for supports and plates **p. 804-805**
Technical characteristics, **see e-catalogue**

Pack	Cat.Nos	USB power supplies
		For recharging portable devices Conform to IEC 62684-2011-01 Consumption in passive mode < 0.1 W 2P+E tap-off connection via 2.5 mm² screw terminals Supplied cordless
		Double USB sockets - 5V- 1500 mA For telephones, smartphones, MP3/MP4 players and fast-charging tablet PC 2 modules
5	0 775 94	○ White
1	0 793 94	○ Alu
		Single USB sockets - 5V - 750 mA For telephones and smartphones 1 module
10	0 775 91	○ White
1	0 793 91	○ Alu

USB power supplies with retractable cord

For recharging portable devices such as telephones and smartphones
Single socket 5 V - 1000 mA equipped with a retractable cord with micro USB connector
Conform to IEC 62684-2011-01
Consumption in passive mode < 0.2 W
2P+E tap-off connection via 2.5 mm² screw terminals
Cord length : 30 cm

Pack	Cat.Nos	
1	0 775 93	○ White
1	0 793 93	○ Alu

Support for portable device on charge

Pack	Cat.Nos	
10	0 803 99	For 1 portable device Prevents device from any fall risk and allows secure use of device while charging Wall-mounting Supplied with retractable cord: USB/Micro USB 60 cm, resistance > 7500 operations Charging and PC synchronisation possible Fixing tools supplied

Mosaic™ Programme mechanisms

voltage surge protector, replacement module, filter, buzzers, bells, blanking plates, cable outlets and proximity MCBs


0 775 40


0 775 41

0 770 71


0 775 51


0 775 21


0 775 31

Selection chart for supports and plates **p. 804-805**

Voltage surge protector

Pack	Cat.Nos	
1	0 775 40	16 A - 250 V~ - 50/60 Hz Protection against overvoltages of atmospheric or industrial origin, in an installation already protected by a voltage surge protector in the panel (p. 64) For installation downstream of an RCBO, protects all the sockets wired in cascade with the voltage surge protector. Operation displayed by indicator light Keeps the socket energised after an overvoltage (mains or lightning strike) until replacement of module Cat.No 0 775 41 Nominal discharge current (In): 1.5 kA Maximum permissible current (Imax): 6 kA Protection level (Up): L-N: 1 kV; N-PE: 1 kV Open circuit voltage (Uoc): 3 kV Conform to standards EN 61643-11 White 2 modules

Replacement module for voltage surge protector

Pack	Cat.Nos	
1	0 775 41	For Cat.No 0 775 40

Filter

Pack	Cat.Nos	
1	0 775 42	6 A - 250 V~ - 50/60 Hz Supplied with fuse 5 x 20 - 6.3 A Cat.No 0 102 63 Measurements conforming to standards CISPR 14 and 17 Interference capacitors Measured attenuation of filter conforming to standards CISPR 14 and 17 White

Buzzers and bells

Buzzers - 2 modules

Pack	Cat.Nos	
10	0 766 40	White - 8 V~ - 50/60 Hz Consumption 370 mA Sound level 70 dB at 1 m
10	0 766 41	White - 230 V~ - 50/60 Hz Consumption 25 mA Sound level 70 dB at 1 m

Electronic bell - 2 modules

Pack	Cat.Nos	
1	0 766 42	White 12-24-48 V⎓ Consumption 5-9-17 mA Depending on power supply Sound level 80 dB at 1 m

Blanking plates

For Mosaic mechanisms

Pack	Cat.Nos	
10	0 770 70	White - 1 module
10	0 792 70	Alu - 1 module
10	0 787 20	White antimicrobial - 1 module
10	0 770 71	White - 2 modules
10	0 792 80	Alu - 2 modules
10	0 787 21	White antimicrobial - 2 modules

Cable outlets

Pack	Cat.Nos	
10	0 775 51	**16 A with cable grip - 2 modules** Equipped with 4 automatic connection terminals on the front and rear faces for easy connection White
10	0 775 50	**20 A with cable grip - 2 modules** White
10	0 775 52	**Ø8 mm wire outlet - 1 module** White

Proximity MCBs

Used for local protection of part of a circuit against overloads and short circuits
Used in addition to the main protection device
Due to its proximity to the user and its discrimination with the main protection device, the restart can be immediate
2 modules
Technical characterictics : see e-catalogue

Single pole thermal magnetic MCB + Neutral 230 V~
Can also be used as a local consumption limiter (depending on its rating)
Breaking capacity: 3000 A - NF C 61-410 (10/16 A) 1500 A - NF C 61-410 (6 A)
White

Pack	Cat.Nos	
1	0 775 21	10 A
1	0 775 22	16 A

Single pole RCBOs + Neutral 230 V~
Provides additional protection of people (premises with conductive flooring, presence of water, etc.) against direct contact with live parts or earth leakages
White

Pack	Cat.Nos	
1	0 775 31	10 A - 30 mA with test button
1	0 775 32	16 A - 30 mA with test button
1	0 775 33	10 A - 10 mA with test button
1	0 775 34	16 A - 10 mA with test button

Din rail-mounting voltage surge protector, **p. 64**



Alarm, **p. 649**



Mosaic™ Programme mechanisms

RJ 45 sockets - cat. 6_A and 6


0 765 73


0 765 76


0 794 76


0 765 24


0 765 25


0 765 99

Can be integrated in all supports (p. 808)
Contacts marked with dual colour code and wiring schemes T 568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA C

Pack	Cat.Nos	Cat. 6_A RJ 45 sockets
		STP - 1 module
		360° metal shielding
10	0 765 73	○ White
10	0 794 73	○ Alu
		STP - 2 modules
		360° metal shielding
10	0 765 76	○ White
10	0 794 76	○ Alu
10	0 765 24	○ White with green shutter
10	0 765 25	○ White with orange shutter
10	0 765 08	○ White - angled 45°
		STP with controlled access - 2 modules
		360° metal shielding
		Supplied with 2 keys for 5 sockets
5	0 765 99	○ White with red shutter
		UTP - 1 module
10	0 765 71	○ White
10	0 794 71	○ Alu
10	0 765 26	○ White with green shutter
10	0 765 27	○ White with orange shutter
		UTP - 2 modules
10	0 765 74	○ White
10	0 794 74	○ Alu
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 90	○ White with red shutter
10	0 765 09	○ White

Pack	Cat.Nos	Cat. 6 RJ 45 sockets
		UTP - 1 module
10	0 765 61	○ White
10	0 794 61	○ Alu
10	0 765 81	○ White antimicrobial
		UTP - 2 modules
10	0 765 64	○ White
10	0 794 64	○ Alu
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 94	○ White with red shutter
		UTP 90° - 2 modules
		Vertical snap-on socket for column module
10	0 765 91	○ White
		UTP 45° - 2 modules
1	0 765 03	○ White
1	0 765 14	○ White, connection with 110 tool
		UTP 45° - 2 x RJ 45 - 2 modules
1	0 765 04	○ White
		UTP retractable RJ 45 socket - 4 modules
		With integrated retractable cord (0.9 m)
		Winds up automatically with a pushbutton
5	0 765 32	○ White
		FTP - 1 module
10	0 765 62	○ White
10	0 794 62	○ Alu
10	0 765 82	○ White antimicrobial
		FTP - 2 modules
10	0 765 65	○ White
10	0 794 65	○ Alu
10	0 765 22	○ White with green shutter
10	0 765 23	○ White with orange shutter

RJ 45 sockets for snap-on trunking
p. 746



Mosaic™ Programme mechanisms

RJ 45 sockets - cat. 6


0 794 33


0 765 63


0 765 96

Can be integrated in all supports (p. 808)
Contacts marked with dual colour code and wiring schemes T 568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	Cat. 6 RJ 45 sockets (continued)
		FTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 95	○ White with red shutter
		FTP 45° - 2 modules
10	0 765 05	○ White
		FTP 2 x RJ 45 45° - 2 modules
5	0 765 06	○ White
		FTP retractable RJ 45 sockets - 4 modules
		With integrated retractable cord (0.9 m)
		Winds up automatically with a pushbutton
1	0 765 33	○ White
1	0 794 33	○ Alu
		FTP 90° - 2 modules
		Vertical snap-on socket for column module
10	0 765 92	○ White
10	0 794 92	○ Alu
		Shielded STP - 1 module
10	0 765 63	○ White
10	0 765 83	○ White antimicrobial
		Shielded STP - 2 modules
10	0 765 66	○ White
		Shielded STP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 96	○ White with red shutter
		STP 45° - 2 modules
		Vertical snap-on socket for column module
10	0 765 07	○ White
		Shielded STP 90° - 2 modules
		Vertical snap-on socket for column module
10	0 765 93	○ White

Mosaic™ Programme mechanisms

RJ 45 sockets - cat. 5e


0 765 54


0 765 52


0 794 55

Can be integrated in all supports (p. 808)
Contacts marked with dual colour code and wiring schemes T 568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	Cat. 5e RJ 45 sockets
		UTP - 1 module
10	0 765 51	○ White
10	0 794 51	○ Alu
		UTP - 2 modules
10	0 765 54	○ White
10	0 794 54	○ Alu
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 97	○ White with red shutter
		UTP retractable RJ 45 socket - 4 modules
		With integrated retractable cord (0.9m)
		Winds up automatically with a pushbutton
1	0 765 30	○ White
		UTP 45° - 2 modules
10	0 765 01	○ White
		2 x RJ 45 UTP 45° - 2 modules
5	0 765 02	○ White
		FTP - 1 module
10	0 765 52	○ White
10	0 794 52	○ Alu
		FTP - 2 modules
10	0 765 55	○ White
10	0 794 55	○ Alu
		FTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 98	○ White with red shutter

Mosaic™ Programme mechanisms

data and telephone sockets


0 765 35


0 786 17


0 787 66


0 787 61


0 787 32

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos	RJ 45 doubler sockets
		1 module
		Ethernet/Ethernet
10	0 765 39	FTP - 9 contacts
10	0 765 38	UTP - 8 contacts
		Telephone/Ethernet
10	0 765 37	FTP - 9 contacts
10	0 765 36	UTP - 8 contacts
		Telephone/telephone
10	0 765 35	45 contacts

Pack	Cat.Nos	Adaptors for RJ 45 connector
		Equipped with transparent marker holder White - 2 modules
10	0 786 04	For single Keystone connector
10	0 786 10	For 2 Keystone connectors
10	0 786 02	For single Systimax connector
10	0 786 03	For double Systimax connector
10	0 786 09	For single Infra+ connector
10	0 786 11	For single Ortronics connector
10	0 786 12	For double Ortronics connector

Pack	Cat.Nos	Optical sockets - 2 modules
		For connecting 2 fibres to the workstation Equipped with 1 duplex adaptor Supplied with protective caps
1	0 786 14	SC/APC single mode fiber optic socket
1	0 786 16	Socket with 2 ST optical adaptors bayonet connection
1	0 786 17	Socket with 2 SC optical adaptors push-pull connection
1	0 786 18	Socket with 2 LC optical adaptors push-pull connection

Pack	Cat.Nos	SUB D sockets - 2 modules
1	0 787 65	9 contacts - Screw terminals connection to link type RS 232 series
1	0 787 67	9 contacts - Soldering connection to link type RS 232 series
1	0 787 66	15 contacts - Soldering connection For example used for specialized line type X21 between 2 distant devices

Pack	Cat.Nos	Female USB data sockets - for data transfer
		Used to bring connections closer to the user For connecting USB devices (scanner-printer, external hard disk) Max. cable length: 5 m. Recommended cable: USB A 1 module
		Preterminated
		USB 3.0. Equipped with a 15 cm cord
1	0 787 46	○ White
		Connection via screw terminals
		USB 2.0. Cross-section: 1 mm²
1	0 787 61	○ White
1	0 792 84	○ Alu

Pack	Cat.Nos	Female USB amplifier - for data transfer
		Used to bring connections closer to the user in case of large distances For connecting USB devices (digital school board / interactive whiteboard…) located more than 5 m away from a source (computer…) The kit includes a transmitter (1 module) and a receiver (1 module). The link between the transmitter and the receiver is made via a RJ 45 / RJ 45 cord
1	0 787 48	○ White

Pack	Cat.Nos	Telephone sockets
		RJ 11 and RJ 12 sockets
		Equipped with a modular Jack connector with 1/4 turn terminal for fast connection. Tap-off possible
10	0 787 30	○ White - RJ 11, 4 contacts - 1 module
10	0 792 31	○ Alu - RJ 11, 4 contacts - 1 module
10	0 787 31	○ White - RJ 11, 4 contacts - 2 modules
10	0 787 32	○ White - RJ 12, 6 contacts - 2 modules
		ISDN socket
		Self-stripping 1/4 turn terminals for fast connection Tap-off possible
10	0 787 34	○ White - 8 contacts, 2.5 mm² earth terminal

Pack	Cat.Nos	Flush-mounting telephone/Ethernet double connectors
		Provide increased security against theft and damage to double connectors Provide a rate of 10/100 Mbps Multidirectional cable entry Can be installed in all supports min. 35 mm deep Telephone and Ethernet applications marked on the protective flap 9 contacts - 1 module - White
10	0 765 37	FTP
10	0 765 36	UTP

Mosaic™ Programme mechanisms

TV/R/SAT sockets


0 787 86


0 787 84

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos	Television sockets
		For hertzian and satellite installation (with individual demodulator) DTT and HDTV compatible. Shielded sockets TV: male connector (Ø9.5 mm) R: female connector (Ø9.5 mm) SAT: "F" type connector Recommended coaxial cable: 17/19 VATC
		TV-R-SAT sockets TV: 5-68 / 120-862 Mhz R: 87.5-108 Mhz SAT: 950-2400 Mhz Star -1.5 dB. 2 modules
10	0 787 86	○ White
10	0 792 96	○ Alu
		TV-R sockets TV: 5-68 / 120-862 Mhz R: 87.5-108 Mhz 2 modules
10	0 787 83	○ White. Star -1.5 dB
10	0 787 87	○ White. Pass-through -14 dB
10	0 787 88	○ White. Terminal -10 dB
		TV-R socket (cable operator design)
10	0 787 84	○ White - 2 modules. Star -1.5 dB
		Single male TV sockets - Ø9.52 mm TV: 0-2400 Mhz
5	0 787 93	○ White - 1 module. Star -1.5 dB
10	0 787 82	○ White - 2 modules. Star -1.5 dB
10	0 792 92	○ Alu - 2 modules. Star -1.5 dB
10	6 771 37	○ White - 2 modules. Pass-through -14 dB
10	6 771 38	○ White - 2 modules. Terminal -10 dB
		"F" type TV socket – with screws SAT: 0-2400 Mhz
10	0 787 80	○ White - 2 modules. Star - 1.5 dB

Mosaic™ Programme mechanisms

audio sockets


0 787 55


0 787 60


0 787 50


0 787 76

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos	Audio sockets
		XLR 3-pin - 2 modules Provide the stereo link for microphone, amplifier, mixing console, etc. Recommended cable: 1 audio pair 0.14 mm² to 0.5 mm² shielded Max. cable length: 50 m (without amplifier)
1	0 787 55	○ White - fast screw connection female
1	0 792 55	○ Alu - fast screw connection female
1	0 787 56	○ White - fast screw connection male
		4-pole Speakon – 2 modules Used to connect power enclosures Recommended cable: 2 audio pairs 4 mm² Max. cable length: 50 m (without amplifier)
1	0 787 60	○ White - fast screw connection female
		Loudspeakers sockets Terminal 4 mm²
10	0 787 51	○ White - 2 modules
10	0 787 50	○ White - 1 module
10	0 792 50	○ Alu - 1 module
		100 V Line Volume Attenuator – 2 modules Allows to adjust power and volume of a 100 V loudspeaker line
1	0 787 76	○ White – 100 V – 25 W

Mosaic™ Programme mechanisms

audio and video sockets


0 787 77


0 787 57


0 787 74


0 787 68


0 787 79


0 787 70

Selection chart for boxes, supports and plates **p. 804-805**

Female HD15 sockets

Used to transmit analog video streams (VGA, XGA, UXGA depending on graphic card) between a source (computer) and a compatible receiver (video projector, TV...)

Preterminated sockets - 1 module
Equipped with cord, length 15 cm

Pack	Cat.Nos	
1	0 787 77	○ White
1	0 793 77	○ Alu

Screw-type sockets - 2 modules

Pack	Cat.Nos	
1	0 787 57	○ White
1	0 792 57	○ Alu

Screw-type socket + 3.5 mm jack - 2 modules

Pack	Cat.Nos	
1	0 787 74	○ White

Solder-type socket - 1 module
15 pin

Pack	Cat.Nos	
1	0 787 72	○ White

HDMI type A sockets

Used to transmit high-definition digital audio/video streams between a source (computer, HD-DVD drive…) and a compatible receiver (TV, videoprojector…)
Can be associated with HDMI cord and cable (see p. 696)

Preterminated HDMI 1.4 - 1 module
Equipped with cord, length 15 cm

Pack	Cat.Nos	
1	0 787 78	○ White
1	0 793 78	○ Alu

Screw-type sockets HDMI 1.3 - 2 modules

Pack	Cat.Nos	
1	0 787 68	○ White
1	0 792 75	○ Alu

Jack sockets 3.5 mm

3.5 mm jack connectors can be used to create audio/video links

Preterminated sockets - 1 module
Equipped with cord, length 15 cm

Pack	Cat.Nos	
1	0 787 79	○ White
1	0 793 79	○ Alu

4 screw-type female 3.5 mm jack socket - 1 module

Pack	Cat.Nos	
1	0 787 64	○ White
1	0 792 64	○ Alu

Solder-type female 3.5 mm jack socket - 1 module

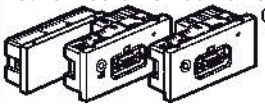
Pack	Cat.Nos	
1	0 787 73	○ White

HD15 + 3.5 mm Jack amplifier

Used to connect audio/video terminals more than 20 m apart up to 100 m
The video link is via an HD15 connector (resolution up to UXGA)
The stereo audio link is via a 3.5 mm jack
The kit includes:
- one 4-module Mosaic transmitter equipped with an HD15 connector and a 3.5 mm jack
- one 4-module Mosaic receiver equipped with an HD15 connector and a 3.5 mm jack
- one 4-module Mosaic power supply to be connected on the mains then linked to the receiver or transmitter

The link between the transmitter and receiver is via a network cord RJ 45 / RJ 45

Pack	Cat.Nos	
1	0 787 70	○ White



Patch panels, cables and cords, **p. 696**





0 787 52



0 787 71

Pack	Cat.Nos	Videoprojector switch
1	0 787 99	Universal remote switch allowing to turn ON or place in STANDBY mode a video projector Works with all videoprojectors or TV through IR learning process Installed close to the room's lighting switches, it replaces the constructors remote and fosters the ignition and extinction of the video projector therefore reducing energy consumption and extending the bulb's lifetime ○ White

Pack	Cat.Nos	Display port sockets
1	0 787 91	Used to transmit high-definition digital audio/video streams between a source (laptop, computer, etc) and a compatible receiver (videoprojector, TV…) **Preterminated socket - 1 module** Equipped with cord, length 15 cm ○ White

Pack	Cat.Nos	Female 1 RCA socket
1	0 787 52	Provides the composite video link for any peripheral device such as a DVD drive, camera, video recorder, etc 1 module ○ White

Pack	Cat.Nos	Female 2 RCA sockets
		Provide the stereo audio link for any peripheral device such as a DVD drive, camera, video recorder 1 module
1	N 0 787 47	**Preterminated** Equipped with a 15 cm cord ○ White
1	0 787 53	**Connection via screw terminals** ○ White

Pack	Cat.Nos	Female 3 RCA sockets
		Provide the composite video and stereo audio links for any peripheral device such as a DVD drive, camera, video recorder, videoconferencing, etc Connection via screw terminals 1 module
1	0 787 54	○ White
1	0 792 54	○ Alu

Pack	Cat.Nos	Other audio and video sockets
1	0 787 71	**DVI-I socket - 2 modules** Used to transmit high-definition digital video streams between a source (computer) and a compatible receiver (TV, video projector, etc) ○ White
1	0 787 58	**Female BNC 75 socket - 1 module** Provides the composite video link for any peripheral device such as a DVD drive, camera, video recorder, etc ○ White

Mosaic™ Programme mechanisms

Wi-Fi access points, LCS² rear pluggable RJ 45 sockets and switches


0 779 14

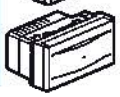

0 779 00


0 786 22


0 786 26

Selection chart for boxes, supports and plates **p. 804-805**
Technical characteristics **p. 715**

Wi-Fi access points

Pack	Cat.Nos	
		Standards 802.11a and 802.11b/g dual-band dual radio Data rate: 54 Mbps max. on each frequency (802.11a and 802.11g) Come in addition to a new or existing LCS² structured cabling, to meet the requirements for mobility in the building (meeting rooms for example) Identical connection to the LCS² RJ45 socket Remote management via a web interface Allow the configuration and the exploitation of the Wi-Fi access point by the network administrator Security via WPA2 encryption (802.11i) and/or authentication (802.11x) New: guest access to offer a free access to guests and keep independent and secure the main Wi-Fi network Supply via Power over Ethernet (standard 802.3 af) 4 modules 22.5 x 45 mm
1	0 779 14	 Equipped with an RJ 45 socket on the front panel White
1	0 779 13	 Without RJ 45 socklet outlet White

Rear pluggable RJ 45 sockets - LCS²

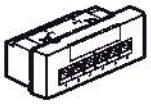
For use with area distribution boxes system
Connection to boxes via RJ 45-RJ 45 cords
Used to create Cat. 6_A, 6 and 5e links in accordance with standards ISO 11801 ed.2.0, EN 50173-1 and EIA/TIA 568 B2
Multi-directional cable entry
Can be installed in all supports minimum depth 40 mm. 2 modules

Pack	Cat.Nos	
		Cat. 6_A STP
10	0 786 28	 ○ White
10	0 786 29	● Alu
		Cat. 6 FTP 9 contacts
10	0 786 23	 ○ White
10	0 786 27	● Alu
		Cat. 6 UTP 8 contacts
10	0 786 22	 ○ White
10	0 786 26	● Alu
		Cat. 5e FTP 9 contacts
10	0 786 21	 ○ White
10	0 786 25	● Alu
		Cat. 5e UTP 8 contacts
10	0 786 20	 ○ White
10	0 786 24	● Alu

Flush-mounting switches - LCS²

Non manageable switches
For networking computer peripherals without a patch panel: computers, printers, servers, etc.
Possibility of extending an existing network by simply replacing an RJ 45 socket
Tool-free connection
Conform with standards IEEE 802.3 (Ethernet) and EN 500 81/82-2 (EMC requirements)
Installation in all supports with minimum 40 mm depth
6 ports at the front + 1 side RJ 45 connector for cabling and carrying out link tests
Port status display integrated into the RJ 45 connectors
Labelling of each port from 1 to 6 and marker holder for switch identification
6 modules

Pack	Cat.Nos	
1	0 779 00	230 V supply
1	0 779 01	PoE supply (802.3 ag)



RJ 45 for trunking, **p. 746**



Mosaic™ Programme mechanisms

illuminated signage functions, bulkhead lights, indicator lights and downlighter


0 785 20

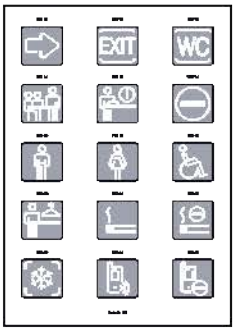

0 785 22


0 785 11


0 785 10


0 785 60


0 785 01



Preprinted labels available in e-catalogue

Selection chart for boxes, supports and plates **p. 804-805**

All the illuminated functions are equipped with very low consumption LEDs with an estimated service life of 100,000 hours

Illuminated signs 230 V~

Mechanisms integrating LEDs and a pivoting window that can take preprinted labels (available in the e-catalogue)
Customised labels can be printed using a simple text editor
Supplied with transparent paper to personalize labels

Pack	Cat.Nos	
5	0 785 20	Signs with white LEDs - 2 modules A choice of 2 power levels (0.2 W or 1 W)
5	0 785 21	Signs with blue LEDs - 2 modules A choice of 2 power levels (0.2 W or 1 W)
5	0 785 24	Signs with 2-state LEDs with choice of green or red configurable on the mechanism (1 W) - 2 modules
1	0 785 22	Signs with white LEDs (1 W) 5 modules
1	0 785 23	Signs with blue LEDs (1 W) 5 modules

Self-contained pilot light

Pack	Cat.Nos	
1	0 785 12	During a power failure, automatically gives light using a high power white LED (stand-alone operation: 1 hour) Circular lighting by blue LED in standby mode - 2 modules Supplements the regulatory safety lighting system to meet high requirements (for child care centres, health, accessibility, retirement homes, etc.) Option of switching off by remote control

Illuminated obstacle indicator

Pack	Cat.Nos	
1	0 785 11	Mechanism equipped with an infrared detection cell and a LED beam For installation near an obstacle such as a step or a change of level 2 modules When a person passes, the mechanism detects his/her presence and lightens the obstacle The function is equipped with an audible signal that can be disengaged

Bulkhead pilot light

Pack	Cat.Nos	
1	0 785 10	To be installed in skirting trunking or bedhead strip 230 V - 2 modules White antimicrobial

Bulkheads

2 modules

12-24 V~ / ⎓ - 0.6 W

Pack	Cat.Nos	
10	0 785 60	Red
10	0 785 61	White
10	0 785 62	Green
10	0 785 63	Blue

230 V~ (0.2 or 1 W)

Pack	Cat.Nos	
10	0 785 70	Red
10	0 785 71	White
10	0 785 72	Green
10	0 785 73	Blue

Indicator lights

1 module
For indicator or illuminated functions. Supplied with 4 coloured labels (red, orange, green and blue)

Pack	Cat.Nos	
10	0 785 01	Single indicator 230 V (1 W) - Antimicrobial
10	0 785 02	Double indicator 230 V (1 W) Antimicrobial
10	0 785 51	Single indicator 12-24 V (0.2 W) Antimicrobial
10	0 785 52	Double indicator 12-24 V (0.2 W) Antimicrobial

Downlighter

Pack	Cat.Nos	
1	0 785 13	Skirting Light – Centralized supply White

Mosaic™ Programme surface-mounting boxes and adaptors


0 802 80


0 802 85


6 806 33


0 791 54

Selection chart for boxes, supports and plates **p. 804-805**

Surface-mounting boxes

Pack	Cat.Nos	
		For 2 modules (support Cat.No 0 802 51) Equipped with a 20 x 12.5 mm removable entry
5	0 802 80	Depth 30 mm
5	0 802 81	Depth 40 mm
		For 3 modules (support Cat.No 0 802 59)
2	0 802 89	Equipped with a 20 x 12.5 mm removable entry Depth 40 mm
		For 4, 5 or 2 x 2 horizontal modules (support Cat.No 0 802 52)
5	0 802 85	Equipped with a 32 x 12.5 mm removable entry Depth 40 mm
		For 6, 8 or 3 x 2 horizontal modules (support Cat.No 0 802 53)
5	0 802 86	Equipped with a 32 x 12.5 mm removable entry Depth 40 mm
		For 10 or 4 x 2 horizontal modules (support Cat.No 0 802 54)
2	0 802 84	Equipped with a 40 x 20 mm removable entry Depth 40 mm
		For 5 or 2 x 2 vertical modules (support Cat.No 0 802 52)
5	0 802 82	Equipped with a 20 x 12.5 mm removable entry Depth 40 mm
		For 3 x 2 vertical modules (support Cat.No 0 802 53)
5	0 802 83	Equipped with a 20 x 12.5 mm removable entry Depth 40 mm
		For 2 x 5, 2 x 2 x 2 modules (support Cat.No 0 802 64) or lighting environment controller
1	0 802 74	Equipped with a 40 x 20 mm removable entry Depth 46 mm
		For 2 x 6, 2 x 8 or 2 x 3 x 2 modules (support Cat.No 0 802 66)
1	0 802 76	Equipped with a 40 x 20 mm removable entry Depth 46 mm
		For 2 x 10 modules (support Cat.No 0 802 68)
1	0 802 78	Equipped with a 40 x 20 mm removable entry Depth 46 mm

Modular support - 2.5 modules

Pack	Cat.Nos	
10	0 802 99	For fixing Mosaic mechanisms on rail ⊥ Width. 46.3 mm

Plexo 55 modular support frames IP 55 - IK 07

For 2-module Mosaic mechanisms

Can be equipped with any Mosaic function in order to obtain an IP 55 wiring accessory

10	0 695 80	Adaptor with smoked polycarbonate flap
1	0 695 79	Adaptor with smoked polycarbonate flap lockable with special tool below (not supplied)
1	0 919 45	Security tool

For 3-module Mosaic mechanisms

Weatherproof IP 55 plate frames with membrane
Allow operations of switches without opening cover maintaining IP 55 rating

1	6 806 32	White
1	6 806 33	Grey

Adaptors for mounting on Mosaic 50 mm supports

For replacing Mosaic mechanisms (50 x 50 mm) without having to change the plate or the support frame
Enable a Mosaic mechanism to be mounted on Mosaic (50 x 50 mm) screw mounting support frames

10	0 791 54	Adaptor for 1-module mechanism (width 22.5 x 45 mm)
10	0 791 53	Adaptor for 2-module mechanisms (width 45 x 45 mm)

Mosaic™ Programme plates, **p. 806-807**



Supports, plates and boxes for Mosaic™

	UNIVERSAL SUPPORTS		OTHER SUPPORTS ITALIAN STANDARD	MOSAIC PLATES (IP 44, see p. 806)	SURFACE MOUNTING BOXES		DRY PARTITIONS Batibox	
				Standard	Depth (mm)	Cat. Nos	Depth (mm)	Cat. Nos
1 module	0 802 50			0 788 01 0 790 01			40	0 800 40
2 modules	0 802 51 0 802 60 (illuminated) 0 802 62 (indicator) 0 802 61/69 (clip-mounting)			0 788 02 0 790 02	30 40	0 802 80 0 802 81	40 50 60	0 800 41 0 800 51 0 800 61
3 modules	0 802 59 (with claws)		0 802 13	0 788 03 0 790 03	40	0 802 89	40	0 800 49
4 modules	0 802 52	0 802 58 (illuminated)	0 802 14	0 788 14 0 790 14	40	0 802 85	40 50	0 800 42 0 800 52
5 modules				0 788 15 0 790 15				
2 x 2 modules				0 788 04 0 790 04				
5 modules		0 802 57 (illuminated)		0 788 25 0 790 25	40	0 802 82		
2 x 2 modules				0 788 22 0 790 22				
6 modules	0 802 53		0 802 16	0 788 16 0 790 16	40	0 802 86	40 50	0 800 43 0 800 53
8 modules				0 788 18 0 790 18				
3 x 2 modules				0 788 06 0 790 06				
3 x 2 modules				0 788 23 0 790 23	40	0 802 83		
10 modules	0 802 54			0 788 10 0 790 10	40	0 802 84	40 50	0 800 44 0 800 54
4 x 2 modules				0 788 08 0 790 08				
2 x 5 modules	0 802 64			0 788 30 0 790 30	50	0 802 74		
2 x 2 x 2 modules				0 788 38 0 790 38				
2 x 6 modules	0 802 66			0 788 36 0 790 36	50	0 802 76		
2 x 8 modules				0 788 37 0 790 37				
3 x 2 x 2 modules				0 788 32 0 790 32				
2 x 10 modules	0 802 68			0 788 28 0 790 28	46	0 802 78		

Mosaic™ Programme workstation kits

flush-mounting or surface-mounting

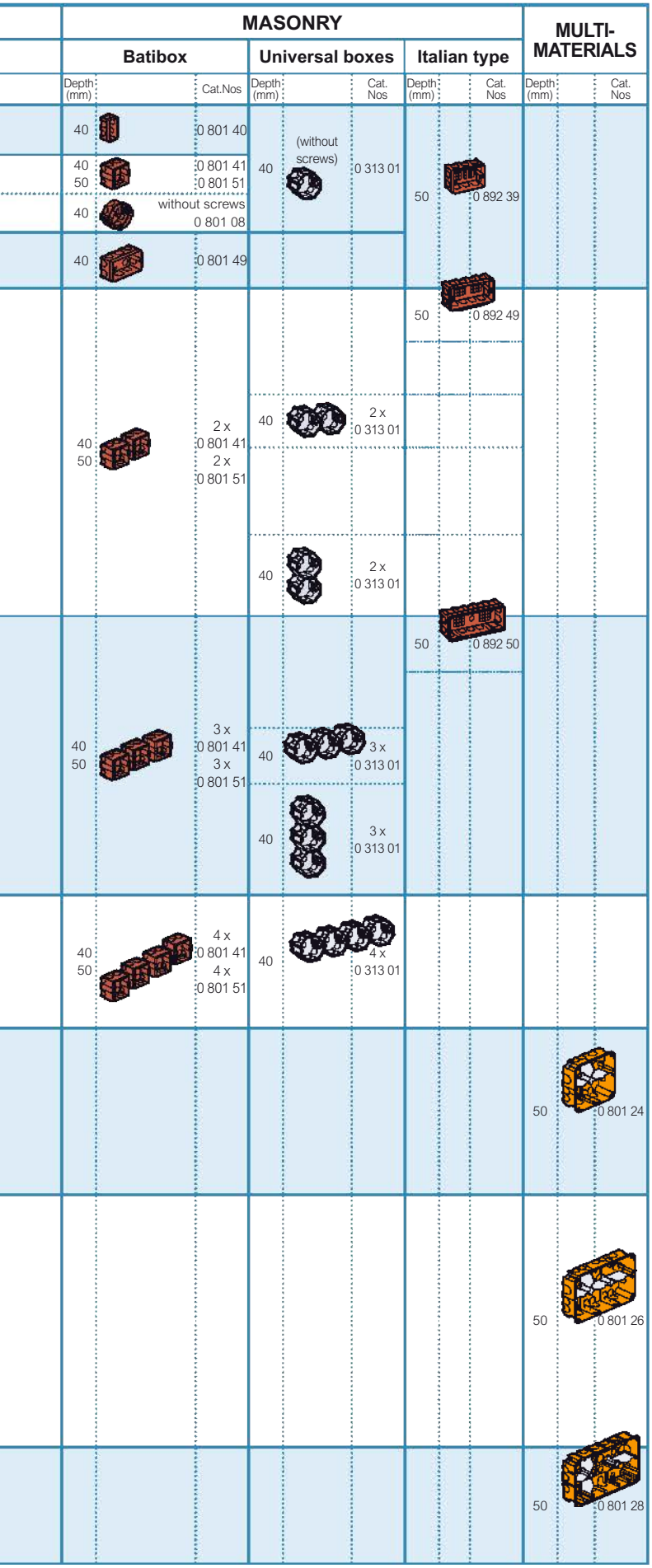


0 788 73



0 790 83

Ready-to-use kits to be equipped with low current and high current Mosaic™ Programme sockets (p. 792 to 800)
Halogen free



Pack	Cat.Nos	
		Flush-mounting workstation kits
		To be installed with flush-mounting conduits Equipped with: - multi-materials flush-mounting box, depth 50 mm, with adjustable cable entries Ø 20 and 25 mm - 4-module independent supports for tool-less installation of Mosaic Programme mechanisms (2 optional screws supplied) - removable spacer for integration of 1-module mechanisms - separation partition for high currents and low currents
		For 2 x 4 modules
1	0 788 72	White
1	0 790 72	Alu
		For 3 x 4 modules
1	0 788 73	White
1	0 790 73	Alu
		For 4 x 4 modules
1	0 788 74	White
1	0 790 74	Alu
		Surface-mounting workstation kits
		To be installed with flush or surface-mounting conduits (mini-trunking or trunking) Equipped with: - surface-mounting frames with removable entries (top/bottom and sides), pre-cut for 40 x 20 mini-trunking - 4-module individual supports for tool-less installation of Mosaic Programme mechanisms (2 optional screws supplied) - removable spacer for integration of 1-gang mechanisms - separation partition for high currents and low currents
		For 2 x 4 modules
1	0 788 82	White
1	0 790 82	Alu
		For 3 x 4 modules
1	0 788 83	White
1	0 790 83	Alu
		For 4 x 4 modules
1	0 788 84	White
1	0 790 84	Alu
		Accessories for installation of modular devices
5	0 801 29	Din-rail type for 2-module modular device 17.5 mm
1	0 788 40	Cover plate for 2-module modular device 17.5 mm With removable transparent protection cap, 4 modules

Mosaic™ Programme plates

0 788 01


0 790 02


0 787 22


0 788 80


0 788 03

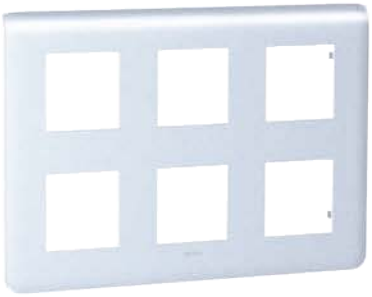
0 788 25

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos	Plates
		For 1 module
10	0 788 01	○ White - Clips onto support Cat.No 0 802 50
5	0 790 01	Alu - Clips onto support Cat.No 0 802 50
10	0 788 11	○ White - 80 x 80 mm. Clips onto supports Cat.Nos 0 802 51/60/61/62/69
5	0 790 11	Alu - 80 x 80 mm. Clips onto supports Cat.Nos 0 802 51/60/61/62/69
		For 2 modules
		Clips onto supports Cat.Nos 0 802 51/60/61/62/69
10	0 788 02	○ White
10	0 790 02	Alu
10	0 787 22	○ White antimicrobial
5	0 788 80	○ White antibacterial. IP44 weatherproof Equipped with a membrane which can receive Mosaic™ Programme control and connection functions (cannot be mounted on surface-mounting boxes)
		For 3 modules
		Clips onto support Cat.No 0 802 59
10	0 788 03	○ White
5	0 790 03	Alu
		For 4 horizontal modules
		Clips onto supports Cat.Nos 0 802 52/58
10	0 788 14	○ White
5	0 790 14	Alu
10	0 787 24	○ White antimicrobial
		For 5 horizontal modules
		Clips onto supports Cat.Nos 0 802 52/58
10	0 788 15	○ White
5	0 790 15	Alu
		For 5 vertical modules
		Clips onto supports Cat.Nos 0 802 52/57
10	0 788 25	○ White
5	0 790 25	Alu
		For 2 x 2 horizontal modules
		Clips onto supports Cat.Nos 0 802 52/57 or 2 x 802 51
10	0 788 04	○ White
5	0 790 04	Alu
10	0 787 25	○ White antimicrobial

Pack	Cat.Nos	Plates (continued)
		For 2 x 2 vertical modules
		Clips onto supports Cat.Nos 0 802 52/57 or 2 x 0 802 51
10	0 788 22	○ White
5	0 790 22	Alu
10	0 787 23	○ White antimicrobial
		For 6 horizontal modules
		Clips onto supports Cat.No 0 802 53
10	0 788 16	○ White
5	0 790 16	Alu
10	0 787 26	○ White antimicrobial
		For 8 horizontal modules
		Clips onto support Cat.Nos 0 802 53 or 3 x 0 802 51
10	0 788 18	○ White
5	0 790 18	Alu
		For 3 x 2 horizontal modules
		Clips onto support Cat.Nos 0 802 53 or 3 x 0 802 51
10	0 788 06	○ White
5	0 790 06	Alu
		For 3 x 2 vertical modules
		Clips onto support Cat.Nos 0 802 53 or 3 x 0 802 51
10	0 788 23	○ White
5	0 790 23	Alu
		For 10 vertical modules
		Clips onto supports Cat.No 0 802 54
2	0 788 10	○ White
1	0 790 10	Alu

Mosaic™ Programme plates (continued)


0 790 32


0 788 64

0 788 56

Selection chart for boxes, supports and plates **p. 804-805**

Pack	Cat.Nos	Plates (continued)
		For 4 x 2 horizontal modules Clips onto supports Cat.Nos 0 802 54 or 3 x 0 802 51
2	0 788 08	○ White
1	0 790 08	● Alu
		For 2 x 5 modules Clips onto support Cat.No 0 802 64
5	0 788 30	○ White
1	0 790 30	● Alu
		For 2 x 2 x 2 modules Clips onto support Cat.No 0 802 64
5	0 788 38	○ White
1	0 790 38	● Alu
		For 2 x 6 modules Clips onto support Cat.No 0 802 66
5	0 788 36	○ White
1	0 790 36	● Alu
		For 2 x 8 modules Clips onto support Cat.No 0 802 64
5	0 788 37	○ White
1	0 790 37	● Alu

Pack	Cat.Nos	Plates (continued)
		For 2 x 3 x 2 modules Clips onto support Cat.No 0 802 66
5	0 788 32	○ White
1	0 790 32	● Alu
		For 2 x 10 modules Clips onto support Cat.No 0 802 66
1	0 788 28	○ White
1	0 790 28	● Alu

Special plates for installations with special flush-mounting boxes

For installing Mosaic functions in old flush-mounting boxes with 57 mm spacing
White

10	0 788 64	For 2 x 2 horizontal modules
10	0 788 66	For 3 x 2 horizontal modules
10	0 788 54	For 2 x 2 vertical modules
10	0 788 56	For 3 x 2 vertical modules

Label holders

Holders for self-adhesive labels for Mosaic finishing plates or any other Mosaic installation support

10	0 791 51	Curved transparent label holder
10	0 791 52	Flat transparent label holder

Workstation kits, **p. 805**



Mosaic™ Programme supports


0 802 50


0 802 51


0 802 59


0 802 52


0 802 54


0 802 64


0 802 62


0 802 57


Supports supplied with site protection

Selection chart for boxes, supports and plates **p. 804-805**

Supports with site protection

Pack	Cat.Nos	
10	0 802 50	For 1 module
10	0 802 51	For 2 modules
10	0 802 61	For 2 modules with clips or claws (length 27 mm)
10	0 802 69	For 2 modules with long clips (length 37 mm)
5	0 802 59	For 3 modules
10	0 802 52	For 4, 5 or 2 x 2 modules, horizontal or vertical
5	0 802 53	For 6, 8 or 3 x 2 modules horizontal or vertical
5	0 802 54	For 10 or 4 x 2 modules
5	0 802 64	For 2 x 4 or 2 x 2 x 2 modules Without site protection
5	0 802 66	For 2 x 6, 2 x 8 or 2 x 3 x 2 modules Without site protection
5	0 802 68	For 2 x 10 modules Without site protection

Blanking plates for Batibox supports

Pack	Cat.Nos	
10	0 791 04	For supports Cat.Nos 0 802 52/58/64 4 modules
10	0 791 06	For supports Cat.Nos 0 802 53/66 6 modules
10	0 791 10	For supports Cat.Nos 0 802 54 10 modules

Other supports for Italian type boxes supplied with screws

Pack	Cat.Nos	
10	0 802 13	3 modules
5	0 802 14	4 modules
5	0 802 16	6 modules

Illuminated supports

Equipped with a ring of low consumption LEDs (0.3 kWh per year in continuous use) to create an illuminated halo effect through the finishing plate

Pack	Cat.Nos	
1	0 802 60	For 2 modules Power: 0.03 W Ideal for illumination function
1	0 802 62	For 2 modules Power: 1.4 W Ideal for indicator function
1	0 802 57	For 5 or 2 x 2 vertical modules Power: 0.03 W Illumination function
1	0 802 58	For 4, 5 or 2 x 2 horizontal modules Power: 0.03 W Illumination function

Thin wall supports

Narrow 1 module

For mounting on box Cat.No 0 800 10

10	0 802 90	○ White
10	0 802 94	● Alu

Narrow 2 modules

For mounting on 1 box Cat.No 0 800 11

10	0 802 91	○ White
10	0 802 95	● Alu

Narrow 2 x 1 module, vertical

10	0 802 92	○ White For mounting on 2 boxes Cat.No 0 800 10

Mosaic™ Programme call units

for day hospitals, dialysis centres...


0 766 63


0 766 64


0 766 55

Selection chart for plates **p. 806**
Supports **see opposite**

Suitable for hotels, schools, non-medical residential homes
For centralisation of 1 to 6 calls via indicator lights
Call control via pushbutton
2 wires per direction
Registration of calls via numbered indicator lights and brief audible signal
Several calls can be registered simultaneously
Individual cancelling for each direction
Supplied with numbers
Possibility of using a 12 V protected supply for 12 V SELV units

Pack	Cat.Nos	Equipped call units
		Supplied with support frame and white finish plate Surface or flush-mounting 2 modules
1	0 766 63	Call unit equipped with : - a 12 mm spacing socket for plugging component or biomedical alarm - a 2-module plate with a blanking plate
1	0 766 64	Bathroom call unit equipped with pull-cord pushbutton and LED indicator
		Call units to be equipped
		6-direction modules Used to create call panels according to requirements 6 modules
1	0 766 55	With integrated power supply 127/230 V∿ - 50/60 Hz
1	0 766 57	For external 12 V SELV power supply (not provided)
		6-direction transfer unit
1	0 766 56	6 directions For remote transfer of calls 6 modules
		Component for call unit
10	0 783 62	 NO/NC contact - 2 A Equipped with cord, length 2 m With 12 mm fixed-pitch for 2P socket Cat.No 0 771 50
		Socket outlet
10	0 771 50	 2P ELV screw terminals Automatic terminals - Antimicrobial 1 module

Selection guide,
see e-catalogue

Wiring diagram,
see e-catalogue

Mosaic™ Programme nurse call units

for day hospitals, dialysis centres...


0 782 14 + 0 766 60


0 782 04

Designed for nurse call equipment in day hospitals, dialysis and transfusion centres, scanners, etc.
Functions:
• from the room: calls, emergency calls, nurse present indicator and call cancelling
• from the nurses' station: patient reassurance
Possibility of adding a paging system

Pack	Cat.Nos	Display units and management
1	0 766 60	**6-direction call display unit**  Registration of calls via numbered indicator lights and audible signal Several calls can be registered simultaneously Display of reassurance indicator and nurse present Possibility of transferring calls to 4 other display units (e.g.: treatment room, rest area, etc.) Installed: - in surface mounting box Cat.No 0 802 86 - on table control unit Cat.No 0 782 14 6 modules
1	0 782 14	**Table control unit**  Takes up to 6 display units Cat.No 0 766 60 Horizontal or vertical mounting Dim.: 310 x 295 x 75 mm 36 modules
1	0 782 89	**24 V - 2 A - 48 W power supply**  Powers the system If necessary, a 24 V protected power supply can be used 8 modules
1	0 782 12	**3-direction management module**  Manages 3 rooms (or directions) Possibility of forwarding via NO volt-free contact for indicator, audible signal, paging, master indicator 4 modules
		Corridor and room equipment
		Supplied with metal support for screw mounting and white finishing plate 2 modules Can be flush or surface mounting Fitted with long life LEDs
1	0 766 72	**Double display corridor overdoor light unit**  Double indicator (red/white) Displays calls and nurse present in the corridor
1	0 782 04	**Door unit**  Includes 1 red indicator, 1 white indicator and 1 call and nurse presence cancel pushbutton. Antimicrobial

Selection guide for drawing up a list of equipment,
see e-catalogue

Nurse call units

call devices for rooms and bathrooms

Compatible with all Legrand nurse call systems


0 782 40


0 782 42



0 782 43


0 782 48


0 782 44


0 782 46
non indexed


0 782 47

Technical characteristics **see e-catalogue**

Parts used for calling a nurse
Information report on door unit and control unit for nurses' station
Compatible with all Legrand nurse call systems

Call units for rooms

Antimicrobial: hand-held remote control unit and cord

Pack	Cat.Nos	
		White antimicrobial Magnetic connection between hand-held remote control unit and socket Can be ejected in all directions with pull-out torque designed to avoid any damage to the equipment
1	0 782 40	**Hand-held remote control unit for call only** IP 67 waterproof hand-held remote control unit: - designed ergonomically for ease of handling - 1 call button and red indicator for call confirmation - visible at night via 2 illuminated LEDs Fitted with a 2.5 m cord For use in conjunction with socket Cat.No 0 782 41
6	0 782 42	**Call and lighting control hand-held remote control unit** IP 67 waterproof hand-held remote control unit: - designed ergonomically for ease of handling - 1 call button and red indicator for call confirmation - visible at night via 2 illuminated LEDs - 1 button for reading light control - 1 button for room light control Fitted with a 2.5 m cord For use in conjunction with socket Cat.No 0 782 45
6	0 782 44	**Hand-held control unit for calls and controlling lighting and roller shutters** IP 67 waterproof hand-held remote control unit: - designed ergonomically for ease of handling - 1 call button and red indicator for call confirmation - visible at night via 2 illuminated LEDs - 1 button for reading light control - 1 button for room light control - 2 buttons for controlling roller shutters - 1 free function button (example: switched socket) Fitted with a 2.5 m cord For use in conjunction with socket Cat.No 0 782 45
		Sockets for hand-held remote control units Supplied pre-assembled with finishing plate in white, antimicrobial and 2-module support
4	0 782 46	Non-indexed magnetic connection socket for hand-held remote control unit Cat.No 782 40
4	0 782 47	Magnetic connection socket for hand-held remote control units Cat.Nos 0 782 42/44

Accessory for hand-held remote control units

5	0 782 43	Clamp for holding the hand-held remote control unit within reach: on beds, clothes, armchairs, edge of beds, etc.

Call units for bathrooms

Pack	Cat.Nos	
		White antimicrobial Mechanisms supplied with support and finishing plate
1	0 782 48	**Ejectable call pull cord** Bathroom call pull cord, IP 55 waterproof, ejectable With red indicator for call confirmation Fitted with height-adjustable handle Red antimicrobial cord Can be installed in a shower at a height of 2.20 m
1	0 766 85	**Call unit** Antimicrobial bathroom call pushbutton With red indicator for call confirmation IP 20 IP 44 with plate Cat.No 0 788 80 (p. 806)

Call units for specific environments

1	0 782 49	**Waterproof call unit - Plexo 55 finish** IP 55 Mechanism supplied with support and finishing plate in white With red indicator for call confirmation Suitable for damp environments (e.g.: rehabilitation and recovery centres with swimming pool, steam room, sauna, etc.)
1	0 782 51	**High-resistance call unit - Soliroc finish** Call unit with high resistance to impacts IK 10 and to humidity IP X5 Grey metallic alloy With red indicator for call confirmation Suitable for psychiatric and penal institutions, etc. Supplied pre-assembled with plate and support

Biomedical call units for bedrooms or special rooms

1 module

		Socket mechanism for biomedical calls Signals the end of a cycle via an alarm on the nurse call unit system For connecting portable electrical medical appliances such as syringe pumps, respirators, etc.
1	0 771 50	12 mm fixing centres White antimicrobial
1	0 782 07	**Shunt plug** Shunt plug for biomedical alarm standby 12 mm fixing centre Used with socket Cat.No 0 771 50

Control units for bedhead strips



0 783 75 / 0 766 77



0 783 78



Magnetic connection between 0 782 40 and 0 782 41



0 782 41



0 782 45

Pack	Cat.Nos	Lighting control units
		1 module 230 V - 2 A White antimicrobial Grey antimicrobial cord
1	0 783 75	Two-way switch with ejectable pull cord
1	0 766 77	Pull-cord switch with ejectable pull cord
1	0 783 76	Pushbutton with ejectable pull cord
		230 V∿ remote control modules
		Boxes for controlling lighting or other SELV functions via hand-held remote control units For mounting in the bedhead strips Connected via screw terminals
1	0 783 77	Used to control 4 lighting circuits (for example: room, reading, nursing, standby, etc.) Compatible with hand-held remote control unit Cat.No 0 782 42 (p. 810) Dimensions: 230 x 71 x 44 mm
1	0 783 78	Used for controlling 2 lighting outputs (room and reading) as well as the roller shutters (up, down) and 1 x 16 A all-function outlet Compatible with hand-held remote control unit Cat.No 0 782 44 (p. 810) Dimensions: 230 x 71 x 44 mm
1	0 783 79	Used for controlling 2 lighting outputs (room with dimming light and reading) with level storage, roller shutters (up, down) and 1 x 16 A all-function outlet Compatible with hand-held remote control unit Cat.No 0 782 44 (p. 810) Dimensions: 230 x 71 x 44 mm
		2-module socket mechanisms for hand-held remote control unit
1	0 782 41	Socket for hand-held remote control unit for call only Magnetic connection without locating device for hand-held remote control unit Cat.No 0 782 40 (p. 810) White antimicrobial
1	0 782 45	Socket for hand-held remote control units Magnetic connection for hand-held remote control units Cat.Nos 0 782 42/44 (p. 810) White antimicrobial

Comfort, safety and energy performance

The Legrand ecocomfort room fulfils three important criteria for retirement homes and healthcare buildings: resident/patient safety, healthcare staff efficiency and energy performance.



LED bedhead strips
Antimicrobial treatment.
Room and reading lighting, dynamic lighting.

Easy to use, innovative controls
Antimicrobial magnetic hand-held remote control unit: ejectable without extraction.
Lighting for assistance with independent living.
Nurse call device.

Actimetry devices
Wristband, software, etc. for residents' safety and efficiency of the healthcare staff.

BUS/SCS nurse call unit

signalling and acknowledgement units for rooms

Antimicrobial



0 766 06



0 766 07



0 766 08



0 782 00

Technical characteristics **see e-catalogue**

BUS/SCS system with star wiring around the door unit:
- call centralisation
- acknowledgement
- communication with nursing control unit and all elements of the system via BUS/SCS
- signalling forwarded to all indicators (e.g.: corridor overhead light unit, door unit, hand-held remote control unit)

Pack	Cat.Nos	Antimicrobial door units for rooms
		For installation at the entrance to the room, can be seen from the bed Connect directly to the BUS/SCS cable Cat.Nos 0 492 32/33 With indicator and pushbutton for calls, nurse presence and 2nd nurse presence Comply with standards VDE 0834-1 and 0834-2 Fault display 4-module wiring mechanisms supplied complete Flush mounting in 50 mm deep box or surface mounting with frame Cat.No 0 766 14 (p. 813)
		Door unit with indicators
1	0 766 06	Door unit with illuminated call indicators Nurse presence and acknowledgement via pushbutton. Audible and illuminated signal of a call coming from another room. Suitable for shared bathrooms and for secure wandering
		Door unit with display
1	0 766 07	Door unit with alphanumerical display. Nurse presence and acknowledgement via pushbutton. Call display from another room. Used in conjunction with the interphone unit Cat.No 0 766 09 for communicating with rooms issuing calls and with a nurse present. User is able to acknowledge at the end of the communication
	N	**Bed extension**
1	0 782 19	To be associated with Cat.No 0 766 06 or 0 766 07 Allows the connection of 4 components to 1 call unit DIN, 6 modules. Programmation via virtual configuration

Pack	Cat.Nos	Antimicrobial interphone unit for room and nurses' station
		Interphone door unit
1	0 766 08	For installation: - at the entrance to the room connected to the door unit with display Cat.No 0 766 07 - in the nurses' room linked to the control unit Cat.No 0 766 11 (p. 813) Allows the user to: - communicate from one room to another room issuing a call or with a nurse present - broadcast a general call Must be connected to a microphone Cat.No 0 782 00 for communication between the patient and the nursing staff 4-module wiring mechanism supplied complete Flush mounting for Mosaic in 50 mm deep box or surface mounting with frame Cat.No 0 766 14 (p. 813)
		Room microphone
1	0 782 00	Remote microphone for connection to the interphone unit Cat.No 0 766 08 For installation next to the bed. For communication between the patient and the nursing staff. 2-module mechanism. Supplied pre-assembled with finishing plate in white and 2-module support

BUS/SCS nurse call unit

corridor signalling units

0 766 70



0 766 04

Technical characteristics **p. 818**

Ensures that information is transferred into the corridor

Pack	Cat.Nos	Corridor signalling devices
		For installation in the corridor above the doors Supplied with support and white finishing plate Flush-mounting or surface-mounting.
		Call only overdoor light unit for corridors
1	0 766 71	LED triangular overdoor light unit for call signalling 1 red indicator For call signalling 2 modules
		Call and nurse presence overdoor light units for corridors
1	0 766 70	LED triangular overdoor light units for call signalling, bathroom calls and nurse presence Monobloc indicator in red, white, green 2 modules Recommended for compliance with standards VDE 0834-1 and 0834-2
		Corridor display unit
		For installation in the corridor 10-character alphanumeric display
1	0 766 04	Indication of calls and nurse presence by level of priority For fixing in false ceiling or on the wall Supplied with connection interface to the BUS/SCS
1	0 766 05	Double sided display unit

Pack	Cat.Nos	Fixing accessory for corridor display unit
1	0 766 03	For fixing a corridor display unit projecting

Wiring diagram example, **see e-catalogue**

BUS/SCS nurse call unit

signalling units for nurses' station

Antimicrobial



0 766 11



Wall fixing...



...or on inclined plane 0 766 12



0 766 18 Traceability software



0 035 44

Technical characteristics **see e-catalogue**

Pack	Cat.Nos	Antimicrobial control units
		Call and presence display for all bedrooms and rooms in order of priority (max. 150) 4-module wiring mechanism supplied with support Installation in 50 mm deep flush-mounting box or on inclined plane Cat.No 0 766 12/13 with alphanumeric display and adjustable audible signal Scrolled display of the calls and nurse visits in progress Fitted with a malfunction indicator Used in conjunction with the interphone unit Cat.No 0 766 08 allows: - communication with the bedrooms issuing calls and with a nurse present - call acknowledgement at communication end - calls to be made to all rooms with a nurse present Connects directly to the BUS/SCS cable Cat. Nos 0 492 32/33
		Main control unit
1	0 766 11	For installation in the nurses' station
		Secondary control unit
1	0 766 09	Can be used in addition to the main control unit in another room (break room, dining room, etc.) or in a corridor
		Main control unit IP/SCS
1	0 766 29	Installation in flush-mounting box (17.5 mm) or on inclined plane Dimensions : - when flush-mounted: 217 x 138 x 46 mm - on inclined plane: 217 x 125 x 90 mm To be used as main control unit, secondary control unit or centralised control unit, depending on setting Possibility to centralise all traceability and DECT events for a whole building on one control unit To be connected to Ethernet network or 27 V external power supply. Connection to BUS SCS cable for communication with door units Cat.Nos 0 766 06 and 0 766 07

		BUS/SCS cables
		Supplied on a reel
1	0 492 32	Length 500 m
1	0 492 33	Length 200 m Non-halogen cable

		Fixing accessories
		For control units
1	0 766 12	Inclined plane for fixing control unit only onto table
1	0 766 13	Inclined plane for fixing control unit + interphone unit onto table
		For control units, door units and interphone units
1	0 766 14	Surface mounting frame for refurbishment

		Call transfer interface to DECT
1	0 766 19	Interface for forwarding information as ESPA 444 protocol to the DECT system (text messages only) 2 x 17.5 mm DIN modules

Pack	Cat.Nos	Traceability on PC
		Traceability software
1	0 766 18	Memorises and categorises events by information type (calls, nurse presence, acknowledgement, etc.) Time stamping of events Export of the elements as .csv files which can be used on a PC Works with traceability interface Cat.No 0 766 17 to be ordered separately
		Traceability interface
1	0 766 17	Works with call traceability software Cat.No 0 766 18 2 x 17.5 mm DIN modules
		Building manager
1	0 035 44	Ensures communication of the Modbus-Bacnet protocols, storing and information history Can be used to centralise the following software packages: - lighting actimetry Cat.No 0 783 80 - traceability Cat.No 0 766 18

Wiring diagram example, **see e-catalogue**

More information in our "Solutions for retirement homes & healthcare establishments" brochure available on www.docexport.legrand.com



BUS/SCS nurse call unit

system products



0 035 60



0 782 90



0 766 10



0 261 45

Pack	Cat.Nos	SELV power supplies
1	0 035 60	**For BUS/SCS** Secure power supply 230 V~ - 27 V⎓ - 1.2 A 17.5 mm 8 modules DIN
1	0 634 35	**For sound system** Power supply unit Input voltage: 230 V~ Output voltage: 27 V⎓ Maximum consumption: 1 A 8 DIN modules
1	0 782 90	**For indicators** For overdoor light units with bulb or LED 230 V/24 V - 2.5 A power supply For mounting in modular cabinets 6 modules
		BUS/SCS extension
1	0 766 10	For communicating information between 2 BUS/SCS nurse call systems Used where departments are grouped together or for departments with more than 80 rooms (e.g.: nursing homes, residential homes for the elderly, etc.)

Pack	Cat.Nos	Physical configuration of the installation
		Suitable for establishments with fewer than 80 rooms
		Configuration using a configurator Used to associate an address with the different system components Kit with configurators
1	0 261 45	0 to 9 (10 configurators for each digit)
5	0 492 20	↑↓ - symbol
		Virtual configuration of the installation
		Recommended for installations above 80 rooms
		Configuration via PC
1	0 766 15	Virtual configuration software For installations of 0 to 150 departments For use with interface Cat.No 0 766 16 (to be ordered separately) for connecting a PC
		Configuration kit
1	0 766 16	Interface for connecting a PC and the installation Works with software Cat.No 0 766 15

Wiring diagram example,
see e-catalogue

BUS/SCS nurse call unit

secure wandering device



0 766 20



0 766 22



0 431 00



0 408 96



0 767 09



0 767 08

Pack	Cat.Nos	Secure wandering device
		Indicates that a door has been crossed by the resident wearing the device Works with door unit Cat.No 0 766 06 configured for secure wandering and allowing acknowledgement Simultaneous alarm transmission over DECT
		Ring
1	0 766 20	Fitted with 869 MHz radio transmitter Anti-allergy White Permanent fixing
		Aerial
1	0 766 21	Receives the ring signal and transmits it to the controller
		Door controller
1	0 766 22	Coded keypad for capturing the ring's signal when a certain door has been crossed Works with aerial Cat.No 0 766 21
		Door unit
1	0 766 06	With illuminated escape indicator Acknowledgement via pushbutton
		Magnetic opening detector
10	0 431 00	Surface-mounted magnetic detector 1 spring blade switch to be fixed on the door frame 1 moving magnet to be fixed on the door leaf
		Electric door release
1	0 408 98	Shunt trip door release 12 V~/ ⎓ 6 W - 158 x 26 x 32 mm - 500 mA
1	0 408 96	Very short shunt trip door release (2-stage) 12 V⎓ - 200 mA For operation in double-entrance security doors Dimensions: 158 x 26 x 32 mm
1	0 408 95	Undervoltage door release 12 V⎓ - 600 mA For operation in emergency exits Dimensions: 158 x 26 x 32 mm
		Motorised bolt
1	0 767 09	Motorised bolt with manual internal unlocking Built-in position contact 12 V⎓ - 410 mA For surface-mounting installation

Pack	Cat.Nos	Electromagnetic locks
		Electromagnetic lock 300 kg
1	0 767 07	Signalling of the leaf position via 2-colour LED and forwarding possible by changeover switch Control of the door position by Hall effect (not compatible with operation of the local emergency exit management unit Cat.No 0 380 57) Consumption: 24 V 300 mA 7.2 W, 12 V 600 mA 7.2 W
		Electromagnetic lock 500 kg
1	0 767 08	Signalling of the leaf position via 2-colour LED and forwarding possible by changeover switch Control of the door position by Hall effect (not compatible with operation of the local emergency exit management unit Cat.No 0 380 57) Consumption: 24 V 250 mA 7.2 W, 12 V 500 mA 7.2 W
		Protected power supply
1	0 767 18	12 V power supply ⎓ - 4 A. Backed up by 12 V - 7 Ah battery Cat.No 0 407 49 (not supplied)
		Filtered rectified power supply
		Comprising: - a safety transformer with interference filtering - a filter capacitor - protection by PTC integrated in the primary - double operating terminals PTC: Positive temperature coefficient. In the event of an automatic cut-off due to an overload or short circuit, switches off the power supply and allows it to cool down before switching on again.

12 V⎓

Pack	Cat.Nos	Power (W)	Current (A)	Terminal capacity flexible cables (mm²) input	Terminal capacity flexible cables (mm²) output	No. of modules
1	4 131 05	15	1.3	6	6	5

Mosaic™ Programme
antimicrobial snap-on trunking 50 x 80 and 50 x 130

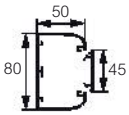
Cat.Nos for trunking 50 x 80

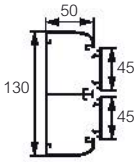


Cat.Nos for trunking 50 x 130



Conform to ISO 22196

Pack	Cat.Nos	50 x 80 snap-on trunking	
20[1]	50 x 80 0 757 00	**1-compartment trunking** Can take any Mosaic or Arteor wiring accessory Includes: - 1 body - 1 cover, width 45 mm Length: 2 m	
		Angles for 50 x 80 trunking	
10	0 757 10	Internal angle, varies from 80° to 100°	
10	0 757 15	External angle, varies from 85° to 120°	
10	0 757 20	Flat angle at 90°	
		End cap for 50 x 80 trunking	
10	0 757 05	Left or right end cap	

Pack	Cat.Nos	50 x 130 snap-on trunking	
12[1]	50 x 130 0 757 02	**2-compartment trunking** Can take any Mosaic or Arteor wiring accessory Includes: - 1 body with 2 compartments - 2 covers, width 45 mm Length: 2 m	
		Angles for 50 x 130 trunking	
5	0 757 12	Internal angle, varies from 80° to 100°	
5	0 757 17	External angle, varies from 85° to 120°	
5	0 757 22	Flat angle at 90°	
		End cap for 50 x 130 trunking	
5	0 757 07	Left or right end cap	

1: Number of metres in pack

Mosaic™ Programme antimicrobial snap-on trunking 50 x 180

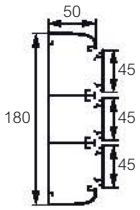
Cat.Nos for trunking 50 x 180





Conform to ISO 22196

Pack	Cat.Nos	50 x 180 snap-on trunking
8[1]	50 x 180 0 757 04	**3-compartment trunking** Can take any Mosaic or Arteor wiring accessory Includes: - 1 body with 3 compartments - 3 cover, width 45 mm Length: 2 m

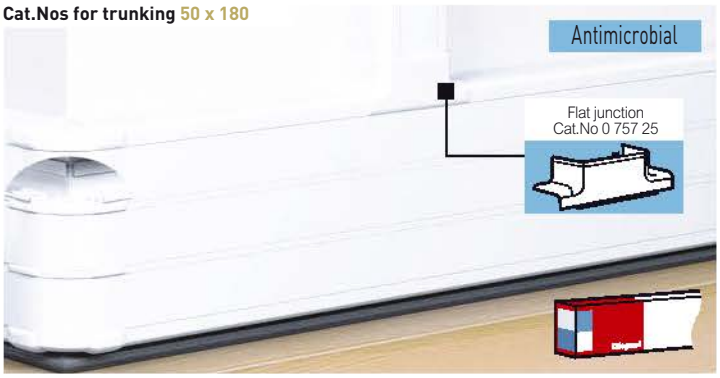


Pack	Cat.Nos	Angles for 50 x 180 trunking
5	0 757 14	Internal angle, varies from 80° to 100°
5	0 757 19	External angle, varies from 85° to 120°
5	0 757 24	Flat angle at 90°

Pack	Cat.Nos	End cap for 50 x 180 trunking
5	0 757 09	Left or right end cap

Mosaic™ Programme accessories for antimicrobial snap-on trunking

Cat.Nos for trunking 50 x 180



Pack	Cat.Nos	Flat junction
5	0 757 25	With 80, 130 and 180 mm wide sections Creates a junction with snap-on trunking 50 x 80 mm

Pack	Cat.Nos	Extra cover
20[1]	0 757 29	Width 45 mm Length 2 m

Pack	Cat.Nos	Extra partition
26[1]	0 756 09	Divider Length 2 m

Pack	Cat.Nos	Joint
20	0 757 30	Stick-on body joint

Pack	Cat.Nos	Cover joint
10	0 757 35	Width 45 m

Pack	Cat.Nos	Soluclip accessory
10	0 757 36	For installation of maximum two 45 x 45 mm Mosaic antimicrobial mechanisms

1: Number of metres in pack

Antimicrobial Mosaic™ Programme mechanisms, **p. 784 to 811**

Reminder of current standards

Bedhead strips:

Self-extinguishing test

The test report related to compliance with the fire safety regulations is completed by an independent organisation
It involves a self-extinguishing test following application of an incandescent wire to the luminaire
The luminaire is qualified in accordance with the temperature of the wire applied and the time taken for the flame to extinguish: 850° and 30 seconds maximum are the qualification criteria for public buildings

CE marking

CE marking is a mandatory marking for luminaires
It is a declaration from the manufacturer itself which commits its signatory alone. There is no verification by external organisations
It is based on specific directives and standards which govern the manufacture of luminaires from the point of view of safety and electromagnetic compatibility
For electrical safety it involves standard EN 60 598 known as the Luminaire Standard
It ensures that the assemblies are electrically compliant and in a broader sense ensures all electrical safety aspects for the user
Standard EN 60 598-2-25 is specific to luminaires in hospitals and health establishments
In terms of electromagnetic compatibility several standards provide a reference for luminaires
The aim is to ensure that the luminaire in operation is not going to disrupt other electrical and/or electronic devices such as televisions, alarms and indeed pacemakers
Conversely it must be ensured that these electrical or electronic devices do not disrupt the operation of the luminaires (for example their switching on):
- EN 12464-1 and NFX 90-003-1 standards on luminaires and the lighting of indoor workplaces
- EN 61547 CE standard on luminaire immunity
- EN 55015 CE standard on luminaire radiation
- EN 61000-3-2 CE standard on luminaire harmonics

Trunking for medical gases

Extract of standard FD S 90_155 on distribution systems for medical gases: where so-called "bedhead" medical gases are installed (see EN ISO 11197 on service ducts) or fixed mast arms (or ceiling columns) fitted in particular with sockets for medical gases, it is recommended that the same manufacturer is used for the distribution system and for the busbar systems inside the trunking, including the medical gas sockets integrated into the supplies provided

BUS/SCS nurse call unit

Complies with the VDE standard on call systems for hospitals, nursing homes and similar establishments:
- DIN VDE 0834-1 instructions for equipment, its installation and operation
- DIN VDE 0834-2 environmental conditions and electromagnetic compatibility

The indicators associated with the hospital signalling conform with the general standard EN 60 073 which provides the colour coding principles

Bedhead strips

for non-medical establishments

Antimicrobial



Perfectly suitable for retirement homes, establishments providing a low level of medical care and homes

Pack	Cat.Nos	LED bedhead strips
		Very low consumption LED lighting with an estimated lifetime of 100,000 hours IP 20 - IK 04 Alu material, grey, antimicrobial Resistance to incandescent wire: 850 °C Class I Ra or TCI: 80 Colour T°: 6,500 °K Comply with standards EN 60598-1, EN 60598-2-25, EN 12464-1
		LED reading lighting
1	0 783 30	Bedhead strip with remote control for reading Strip length: 0.97m
1	0 783 31	Bedhead strip fitted with an antimicrobial pull cord switch Modular: 3 modules on one side and 4 antimicrobial Mosaic modules on the other side of the strip Compatible with BUS/SCS nurse call unit (p. 812): Can be fitted with a remote control socket Strip length: 1.40 m
		Reading and room lighting
	N	Compatible with BUS/SCS nurse call unit (p. 812): Can be fitted with a socket for hand-held remote control unit
1	0 783 29	Bedhead strip with remote control for reading and room lighting Strip length: 0.97m
1	0 783 32	Extendable bedhead strip: 4 antimicrobial Mosaic modules on each side of the strip Strip length: 1.40 m
1	0 783 87	Bedhead strip fitted with antimicrobial Mosaic mechanisms: - 1 blanking plate 2 modules - 1 two-way switch for room lighting - 1 pull cord switch for reading - 2 x 2P+E sockets - German standard Strip length: 1.40 m

Bedhead strips

for non-medical establishments (continued)

Antimicrobial



0 783 36



0 783 42
Room lighting with dimming

Technical characteristics **see opposite**

Perfectly suitable for retirement homes, establishments providing a low level of medical care and homes

Pack	Cat.Nos	LED bedhead strip with dynamic lighting
1	0 783 36	Very low consumption LED lighting with an estimated lifetime of 100,000 hours IP 20 - IK 04 Aluminium material, grey, antimicrobial Resistance to incandescent wire: 850 °C Class I Ra or CTI: 80 Colour T° = 2,500 to 6,500 °K Complies with standards EN 60598-1, EN 60598-2-25, EN 12464-1 **LED dynamic reading and room lighting** For automatic management of the lighting colour depending on the time of day so as to reduce cognitive deficiencies White to amber lighting Fitted with light level cell for automatic adjustment of the light intensity in accordance with the natural light level Bedhead strip fitted with antimicrobial Mosaic mechanisms: - 1 blanking plate 2 modules and 1 blanking plate 1 module - 1 pull cord switch for reading - 2 x 2P+E sockets - German standard Compatible with BUS/SCS nurse call unit (p. 812) Can be fitted with a socket for hand-held remote control units Strip length: 1.40m

Pack	Cat.Nos	LED fluorescent bedhead strips
1	0 783 42	IP 20 - IK 04 Alu material, grey, antimicrobial Resistance to incandescent wire: 850 °C Class I Complies with standards EN 60598-1, EN 60598-2-25, EN 12464-1 LED reading lighting Fluorescent T5 tube room lighting with electronic ballast Can be fitted with a socket for hand-held remote control units **Reading and room lighting with dimming** Bedhead strip fitted with antimicrobial Mosaic mechanisms: - 1 blanking plate 2 modules and 1 blanking plate 1 module - 1 pull cord switch for reading - 2 x 2P+E sockets - German standard Room lighting dimming possible via pushbutton, pull cord pushbutton and/or hand-held remote control unit Strip length: 1.47 m

Bedhead strips

for medical establishments, clinics, hospitals, etc.

Antimicrobial



0 783 45



0 783 85



Example of trunking 0 783 50 with supports for assembling 2 ALS sockets 0 783 51



Magnetic connection socket for hand-held remote control unit



Example of Cat.No 0 785 10 integrated into the bedhead strip

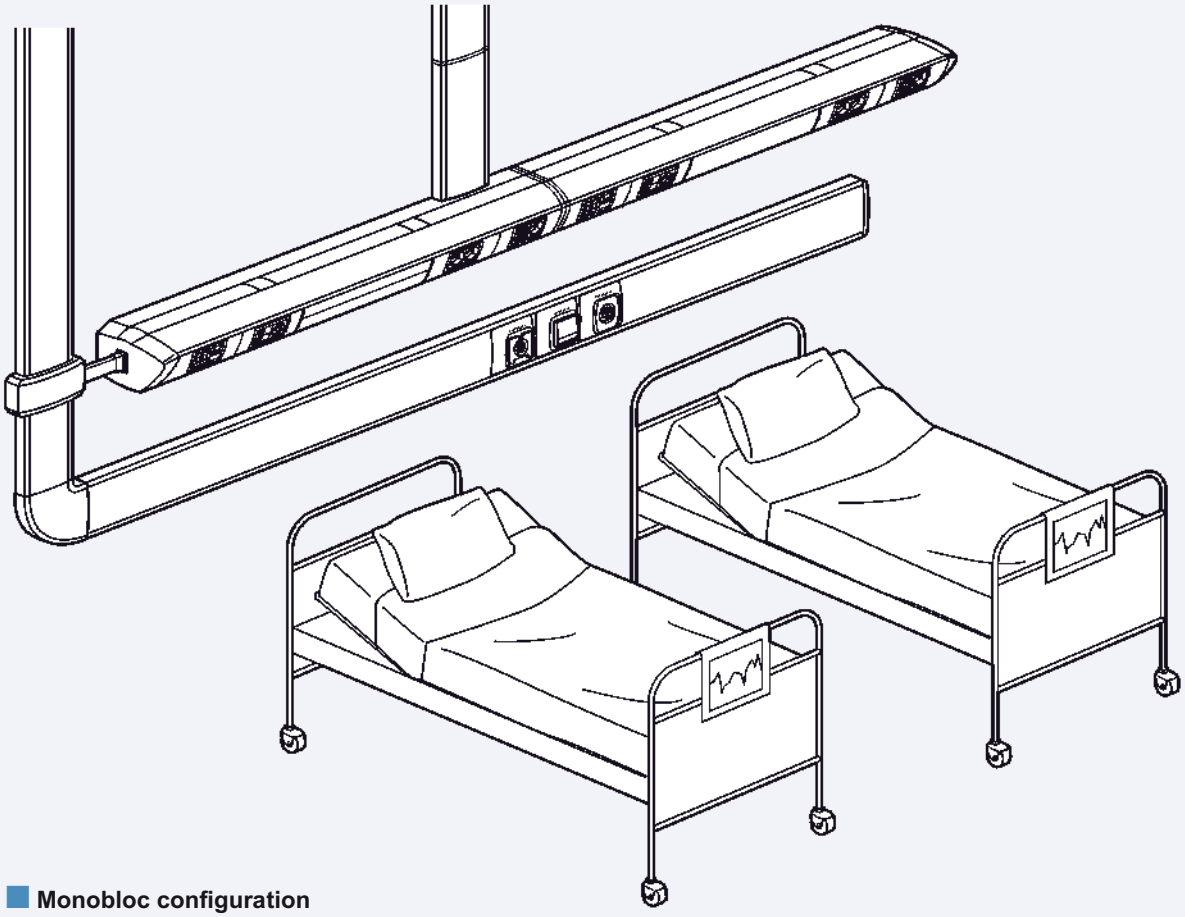
Technical characteristics **p. 818**

Perfectly suitable for medical environments. Comply with current lighting standards: EN 60598-1, EN 60598-2-25, EN 12464-1
Separate lighting and gas devices to allow electricians and gas engineers to carry out product maintenance in total safety

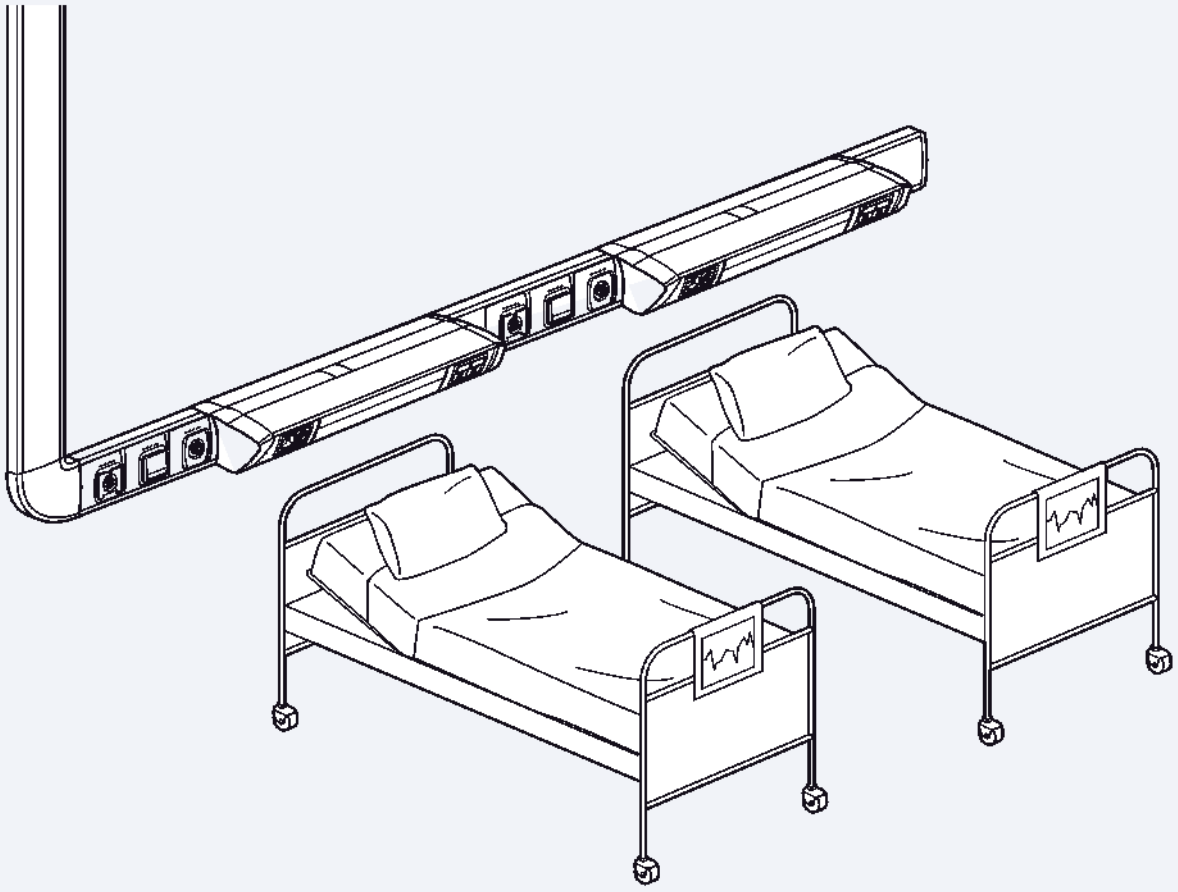
Pack	Cat.Nos	Fluorescent T5 bedhead strips
		IP 20 - IK 04 Alu material, grey, antimicrobial Lighting via T5 tube with electronic ballast: - 300 lux over the reading area - 100 lux for room lighting Option of adding the standby module Cat. No. 785 10 To be fitted with a remote control module for controlling lighting or roller shutters (p. 821) via hand-held remote control units (p. 810) Allow annual savings to be made for an installation of 80 bedhead strips (equivalent to 2 hospital wards for example), calculation in comparison with use of T8 tube ferromagnetic bedhead strips Resistance to incandescent wire: 850°C Class I Ra or TCI: 80 Colour T°: 4,000 °K Comply with standards EN 60598-1, EN 60598-2-25, EN 12464-1
		1.20 m bedhead strips
1	0 783 45	Non equipped - extendable Room lighting: 1 x 39 W Reading light: 1 x 24 W Extendable strip: 8 modules
1	0 783 86	Equipped - 2 x 2P+E German standard sockets Room lighting: 2 x 24 W Reading light: 1 x 24 W 8-module bedhead strip fitted with antimicrobial Mosaic mechanisms: - 1 blanking plate 2 modules - 1 two-way switch for room lighting - 1 ejectable pull cord switch for reading
		1.60 m bedhead strips
1	0 783 85	Non equipped - extendable Room lighting: 2 x 39 W Reading light: 1 x 24 W Examination lighting: room + reading + 1 x 24 W Conform to NFX 90-003-1 For examination lighting: 300 lux on the bed Extendable strip: 16 modules
1	0 783 97	Equipped - 2 x 2P+E German standard sockets Room lighting: 2 x 39 W Reading light: 1 x 24 W Examination lighting: room + reading + 1 x 24 W Complies with standard NFX 90-003-1 for examination lighting: 300 lux on the bed 16-module bedhead strip fitted with antimicrobial Mosaic mechanisms: - 2 blanking plates 2 modules - 1 switch for examination lighting - 1 RJ 45 socket, Cat. 6 FTP to be wired - 1 two-way switch for room lighting - 1 ejectable pull cord switch for reading - 2 blanking plates 2 modules

Pack	Cat.Nos	Fluorescent T5 bedhead strips (continued)
1	0 783 88	Equipped - 2 x 2P+E (x 2) German standard sockets Room lighting: 2 x 28 W Reading light: 1 x 24 W Examination lighting: room + reading + 1 x 24 W 16-module bedhead strip fitted with antimicrobial Mosaic mechanisms: - 1 magnetic socket Cat. No 0 782 45 for call and lighting control hand-held remote control units 2 modules - 1 blanking plate 1 module (x 2) - 1 switch for examination lighting - 1 RJ 45 socket, Cat. 6 FTP to be wired - 1 blanking plate 2 modules
		Standby module for bedhead strip
1	0 785 10	To be installed in skirting trunking or bedhead strip 230 V - 2 modules White antimicrobial
		Trunking for gas sockets
1	0 783 50	Supplied in 3m lengths, adjustable Takes medical gas sockets with supports Cat.Nos 0 783 51/52/53 IP 40 Alu material, grey, antimicrobial Complies with the standards on medical gases FDS-90-155
		Supports for gas sockets
		For assembling the gas sockets on trunking Cat.No 0 783 50 Alu material, grey, antimicrobial
1	0 783 51	For assembling ALS socket
1	0 783 52	For assembling DKD socket
1	0 783 53	For assembling Caouet socket

Separated fluids configuration



Monobloc configuration



Lighting to assist with independent living

stand-alone solutions



0 784 54



0 785 10



0 785 22
Personalised label



0 488 06



0 787 15 + plate 0 787 22

Stand-alone automatic lighting devices which allow the patient to get their bearings and make their way to the bathrooms

Pack	Cat.Nos	For installation in the room
		Combination of automatic switches and illuminated signalling
1	0 784 54	**Automatic switch with neutral, 3 wire** 2 modules - white For installation at a maximum of 30 cm from the ground in order to pick up the patient's movements once out of bed Allows triggering of the lighting and the illuminated signalling Installing 2 or 3 detectors per room is advisable for optimum movement detection Infrared detection Detection range adjustable from 3m to 10m Horizontal detection angle: 180° Light level threshold adjustable from 3 to 1,000 lux Time delay adjustable from 1s to 16 mins with repetition of cycle as long as movement is detected For installation in box depth 40 mm min. For flush-mounted installation use plate Cat.No 0 788 22 and support Cat.No 0 802 51
		Illuminated signalling For flush-mounted installation use plate Cat.No 0 788 22 and support Cat.No 0 802 51 2 choices of power rating (0.2 W or 1 W)
5	0 785 20	Signalling with white LEDs 2 modules
		For 230 V - 0.2 or 1 W illuminated standby
1	0 785 10	To be installed in skirting trunking or bedhead strip 230 V - 2 modules White antimicrobial
		Illuminated signalling for top of door
1	0 785 22	Signalling with white LEDs (1 W) Mechanism incorporating LEDs and a pivoting window which can take pre-printed labels Option of downloading labels from e-catalogue for printing 5 modules For flush-mounted installation use plate Cat.No 0 788 15 and support Cat.No 0 802 52

Pack	Cat.Nos	For installation in bathrooms
		False ceiling detector switch
1	0 488 06	Connection via automatic terminals • Operating mode: - Vacancy sensing: switched on manually via push-button, switched off automatically via detector or by pressing push-button - Occupancy sensing: switched on and off automatically - Factory pre-set to occupancy sensing mode. Vacancy sensing mode activated by mobile configurators • Light level threshold factory pre-set to 500 lux • Factory pre-set time delay 15 minutes. Walkthrough function activated (short time delay of 3 minutes for 1 walkthrough) • Site adjustment with mobile configurators Cat.Nos 0 882 30/35 • Serial wiring Phase + Neutral + Source With terminals to connect the push-button(s) including push-buttons with LED indicator Cat.Nos 0 770 40/33 • For controlling light sources: - 2,000 W max 230 V halogen - 1,000 VA max ELV halogen, fluorescent bulb with ballast - 500 W max with compact fluorescent light and LED Recommended fixing height: 2.50 m Fixed directly to a false ceiling with mounting claws (provided) or installed in Batibox flush-mounting box with depth of 50mm Surface mounted with accessory Cat.No 0 488 75 Infrared and ultrasonic detector 360° This dual technology allows presence to be detected precisely as soon as the wave issued by the detector is modified Consumption 0.8 W on standby
		Push-button
10	0 787 15	For controlling the false ceiling detector switch in vacancy sensing For installation next to the bathroom door Fast connection via automatic terminals, no tool required For flush-mounted installation use plate Cat.No 0 787 22 and support Cat.No 0 802 51 White antimicrobial

Isolating transformers for hospitals

protected



0 425 71



0 425 81

Conform to standard IEC EN 61558-2-15
IP 21
The main requirements of this standard, additionally to IEC 61558-2-4, concern:
- secondary/earth leakage current, limited to 0.5 mA off-load
- inrush current, limited to 12 times the peak value of primary current
Electrostatic shield linked to dedicated terminal
Equipped with a temperature monitoring system (bi-metal strips), and outputs on dedicated terminals, for connection to a control system (optical, acoustic, etc.)

Single-phase

Primary: 230 V
Secondary: 230 V with centre tap

Pack	Cat.Nos	Output (kVA)	Terminal primary flexible cable (mm²)	Terminal secondary flexible cable (mm²)
1	0 425 71	2.5	16	16
1	0 425 72	4	16	16
1	0 425 73	5	35	35
1	0 425 74	6.3	35	35
1	0 425 75	8	35	35
1	0 425 76	10	35	35

3-phase

Primary: 400 V ⅄ + N
Secondary: 230 V ⅄ + N

Pack	Cat.Nos	Output (kVA)	Terminal primary flexible cable (mm²)	Terminal secondary flexible cable (mm²)
1	0 425 81	4	10	10
1	0 425 83	6.3	10	16
1	0 425 84	8	16	35
1	0 425 85	10	16	35

IEC EN 61558-2-15 transformer with 400 V single-phase primary,
Please, consult us

Protection equipment for IEC EN 61558-2-15 power supply lines,
see e-catalogue

Isolating transformers for hospitals

protected

Characteristics

Single-phase

Insulation voltages:
- Between windings: 3550 V
- Between primary and earth: 1770 V
- Between secondary and earth: 1770 V

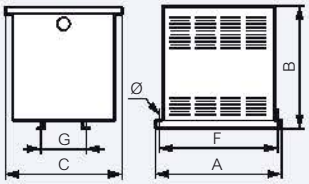
Class I
Insulation: class B for 2500 VA model, ambient temperature 25 °C
class H from 4 kVA upwards, ambient temperature 25 °C
IP 21 - IK 08 (enclosed)

3-phase

Insulation voltages:
- Between windings: 4450 V
- Between primary and earth: 2250 V
- Between secondary and earth: 1770 V

Class I
Insulation: class H from 4 kVA upwards, ambient temperature 25 °C
IP 21 - IK 08 (enclosed)

Cat.Nos 0 425 71 to 76 and 0 425 81 to 85



230 V/230 V with centre tap (single-phase)

Cat. Nos	No-load loss (W)	Drop voltage (%) cos φ 1	Drop voltage (%) cos φ 0.45	Terminals Prim. mm²	Terminals Sec. mm²	Efficiency cos φ 1	Efficiency cos φ 0.45	Usc (%)	Dimensions (mm) A	B	C	Fixing (mm) F	G	Ø	Weight (kg)
0 425 71	22.3	3.6	1.7	16	16	0.96	0.91	3.1	320	330	253	300	111	9	36
0 425 72	46	4.4	2	16	16	0.95	0.89	3.2	340	410	370	320	120	9	52
0 425 73	54.5	3.0	1.4	35	35	0.96	0.91	2.8	340	410	370	320	150	9	67
0 425 74	67.7	3.2	1.5	35	35	0.96	0.91	2.8	340	410	370	320	150	9	68
0 425 75	85.7	2.8	1.3	35	35	0.96	0.92	2.9	340	410	370	320	180	9	77
0 425 76	87	4.2	1.9	35	35	0.95	0.90	3.5	340	410	370	320	180	9	78

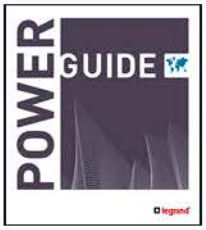
400 V ⅄ + N / 230 V ⅄ + N (3-phase)

Cat. Nos	No-load loss (W)	Drop voltage (%) cos φ 1	Drop voltage (%) cos φ 0.45	Terminals Prim. mm²	Terminals Sec. mm²	Efficiency cos φ 1	Efficiency cos φ 0.45	Usc (%)	Dimensions (mm) A	B	C	Fixing (mm) F	G	Ø	Weight (kg)
0 425 81	50.2	3.2	1.5	10	10	0.94	0.88	3.2	420	270	190	400	126	9	55
0 425 83	76.2	3.7	1.7	10	16	0.95	0.90	2.8	470	410	340	450	126	9	79
0 425 84	96.1	3.5	1.6	16	35	0.95	0.90	2.8	470	410	340	450	176	9	106
0 425 85	124	3.7	1.7	16	35	0.95	0.90	2.9	470	410	340	450	176	9	107

Discover & download our documents: www.docexport.legrand.com



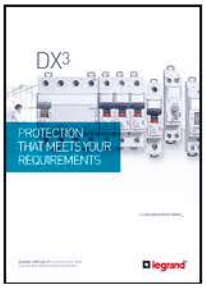
> Power, protection devices and energy quality



Power Guide



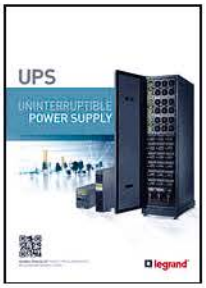
DPX³ brochure



DX³ Din-rail equipment



TX³ Din-rail equipment



UPS general catalogue

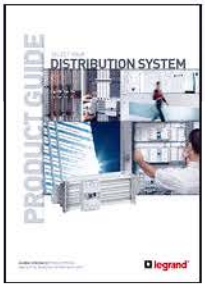


Green transformers



Energy compensation

> Energy distribution and enclosures



Distribution systems guide



XL³-N cabinets



Zucchini busbars



Tempra Pro industrial sockets



DCX-M

> Digital building infrastructures



Digital building infrastructures



CCTV brochure



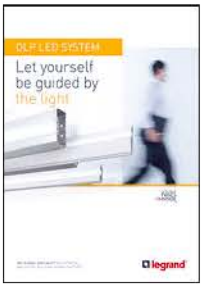
Switch sensors design and application guide



Integrated workstations solutions



Workstations solutions



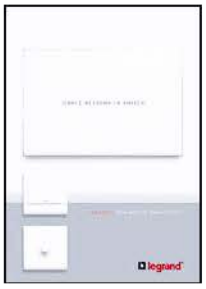
DLP LED system

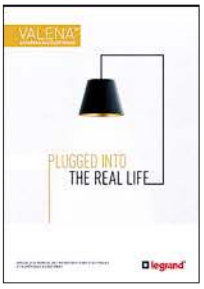
> International wiring devices and Home systems


Arteor



Mallia


Belanko



Valena



Forix



Kaptika



Sfera



D45 system

> Integrated solutions for global projects



Healthcare facilities



Hospitality buildings



Office buildings



Data Centers



Food industry

These products obtained on January 1st 2014, the following approvals

NF (France)

voltage surge protectors
0 039 40
41
43
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transformer DX
0 042 25

push-button DX
0 044 53
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fuse carriers
0 058 10
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cartridge fuses
0 103 06
0 113 10
0 114 10
0 116 16
0 117 16
0 123 20
0 124 20
0 126 25
0 127 25
0 133 32
0 134 32

DLP trunking
0 104 24
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0 105 80
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0 106 01
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0 107 00
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0 108 00
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0 109 10
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DL Plus mini-trunking
0 300 07
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0 300 27
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0 301 14
0 308 04

terminal strips
0 342 11
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connection terminals
0 343 22
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Lina 25 cable ducting
0 362 00
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terminal blocks Viking 3
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0 372 79
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power supplies
0 405 09
0 634 35

detector
0 405 27
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sounders
0 405 80
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0 415 07

latching relays
0 491 20
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16 A plugs and extensions
0 501 62
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0 502 52
0 504 09
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adaptors
0 503 82
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multi-outlets adaptors
0 506 50
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20 A socket outlets
0 557 03
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32 A socket outlets
0 558 72
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bulkhead lights
0 604 50
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0 624 00
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shaverlights
0 606 20
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Mosaic
0 676 64
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0 766 66
0 770 00
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0 770 50
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0 802 85
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0 892 46

surface-mounting wiring
0 860 01
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Plexo 66
0 904 71

Plexo 55
0 916 55
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switches DX³
4 064 00
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MCBs DX³
4 077 34
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RCBO DX³
4 104 01
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4 110 00
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4 110 48
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RCCB DX³
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4 118 00
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latching relays CX³
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contactors CX³
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transformers
4 130 91
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transcab cable ducting
6 360 95
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conduits
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6 512 16
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6 514 16
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6 516 01

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floor systems
6 896 30
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Kaptika
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Forix
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NF-A2P

detector
0 431 00
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emergency lighting
6 614 01
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6 617 01
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6 624 01
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6 625 21
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6 627 02
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6 627 07
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cord switches
0 401 87
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shaverlight
0 606 32
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bulkhead light
0 624 00
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shaver socket
0 775 86

bulkhead lights
0 604 05
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ATEX

terminal blocks Viking 3
0 371 00
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BUREAU VERITAS (France)

cartridge fuses + fuse carriers
0 130 01
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0 133 00
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0 155 50
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0 176 60
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0 178 60
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0 199 02
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0 214 04
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0 215 04
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0 224 98
0 225 00
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0 229 01
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cabinets Atlantic
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cabinets Marina
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terminal blocks Viking 3
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RCBOs DX³
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RCBOs DX
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plugs and extensions
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7 758 01
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7 759 20
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7 770 20
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power supply
0 634 35

Plexo
0 695 51
0 696 21
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0 707 21
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surface-mounting wiring
0 860 01

Niloé
6 643 01
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6 645 00
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6 646 00
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6 647 01
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6 648 01
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6 650 00
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6 651 14
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6 652 17
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CSA (Canada)

cam switches
0 275 34
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0 277 10
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cabinets Atlantic
0 355 00
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Lina 25 cable ducting
0 362 00
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6 360 95
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6 361 00
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6 362 00

6 362 01
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terminal blocks Viking 3
0 371 00
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0 372 00
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0 390 10
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Mosaic
0 775 08
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MCBs DX
0 032 66
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0 033 08
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0 034 29
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time switches DX
0 037 05
0 047 04
70
0 497 56
4 126 23
30
31
33
41
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57
4 127 80
90
94
4 128 58
6 499 14
6 998 11
12

socket outlet DX
0 042 85

switches DX
0 043 82
83
85
86

push buttons DX
0 044 53

These products obtained on January 1st 2014, the following approvals

0 044 54
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terminal strips
0 342 11
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terminal blocks Viking 3
0 372 10
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latching relays
0 491 20
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sockets
0 576 69
72
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bulkhead lights
0 604 05
14
15
19
92

power supply
0 634 35

Plexo
0 695 04
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0 696 51
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0 697 12
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Mosaic
0 772 10
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0 774 01
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0 776 01
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0 784 20

surface-mounting wiring
0 860 29
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cable glands
0 980 01
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RCDs RX³
4 020 24
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4 020 29
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RCCB TX³
4 030 00
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MCBs DX³
4 074 25
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4 075 02
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4 076 17
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4 077 92
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4 078 00
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4 079 20
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4 079 30
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4 080 23
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4 081 43
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4 088 65
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4 089 35
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4 090 58
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4 091 07
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4 092 00
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4 092 05
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4 093 29
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RCCB DX³
4 115 00
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4 117 02
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4 118 00
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latching relays CX³
4 124 00
01

bell transformer
4 130 91

Arteor
5 722 63
5 727 63

Niloé
6 643 01
6 645 03
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6 646 03
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6 647 01
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6 648 01
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6 648 25
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6 650 00
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6 651 95
6 652 95

Valena
7 701 20
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7 702 26
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7 741 20
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7 742 20
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7 743 20
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7 744 20
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Galea life
7 710 01
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7 712 01
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7 713 01
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7 714 01
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7 715 01
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7 719 01
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7 756 00
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7 756 95
7 758 01
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TÜV
(Germany)

cabinets Atlantic
0 355 00
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cabinets Altis
0 473 62
63
91
92

MEEI
(Hungary)

plugs and extensions
0 506 55
65

Mosaic
0 772 12
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0 774 01
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0 776 23
0 792 13
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Niloé
6 645 39
6 646 39

multi-outlet extensions
6 946 21
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6 946 24
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Galea Life
7 701 00
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7 710 30
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7 712 24
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7 713 24
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7 714 24
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7 715 24
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7 758 01
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7 770 24

Suno
7 742 02
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Valena
7 743 27
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7 744 00
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Forix
7 823 60
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IMQ
(Italy)

DLP trunking
0 105 82
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0 106 02
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0 107 02
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0 107 36
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85
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0 108 00
01
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0 109 10
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0 300 27
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0 301 14
0 308 04
0 313 50
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6 373 58

terminal strips
0 342 11
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connection terminals
0 343 22
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terminal blocks Viking 3
0 371 00
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0 372 00
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0 372 83
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power supply
0 634 35

Vela
0 728 42
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6 805 30
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6 826 01
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6 827 21
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74
6 828 75
6 829 13
6 830 11
6 831 54

Mosaic
0 775 21
22

surface-mounting wiring
0 860 01

cable glands
0 980 01
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CLASS NK
(Japan)

cartridge fuses
0 133 01
02
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0 134 02
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0 143 06
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0 145 16
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KEMA
(Netherlands)

socket outlet DX
0 042 85

terminal strips
0 342 11
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0 342 21
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connection terminals
0 343 22
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Valena
7 702 34
7 741 34
7 742 34
7 761 31
81

Forix
7 824 10
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NEMKO
(Norway)

power supply
0 634 35

Mosaic
0 772 13
0 776 01
02
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04

BBJ
(Poland)

terminal shield boxes
0 013 56

socket outlets DX
0 042 80

DLP trunking
0 105 80
82
83
0 106 01
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0 107 02
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0 108 00
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0 109 10
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Vistop
0 226 33
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0 227 04
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DLPlus mini-trunking
0 300 07
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0 301 14
0 302 16
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0 302 24
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0 303 00
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0 306 67
0 307 03
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0 312 02
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0 314 04
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0 316 94
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0 333 17
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over floor trunking
0 328 00
02
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plugs and extensions
0 501 72
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0 502 99
0 504 51
0 506 50
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Plexo
0 695 53
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0 696 51
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0 697 31
0 698 31
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0 707 21
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Batibox
0 802 51
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Plexo boxes
0 919 10
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0 921 00
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Niloé
6 645 38
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6 646 38
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6 646 42
6 647 34
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6 648 34
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6 650 01
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Valena
7 700 90
7 701 16
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7 741 21
7 742 21
7 743 16
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7 744 16

Galea Life
7 710 01
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7 712 01
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7 713 01
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7 714 01
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7 715 01
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7 719 01
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7 719 28
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7 759 16
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7 770 26
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Forix
7 823 75
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7 824 10
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AENOR
(Spain)

MCBs DX
0 033 82
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0 034 29
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socket outlet DX
0 042 85

terminal strips
0 342 11
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0 342 27

connections terminals
0 343 22
23
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plugs and extensions
0 506 55
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0 513 66
69

Plexo
0 695 11
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0 696 11
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0 697 11
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0 698 11
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0 707 11
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Mosaic
0 772 52
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0 776 02
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0 788 01
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0 790 01
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0 790 23
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0 792 82
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Batibox
0 802 50
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surface-mounting wiring
0 860 01
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MCBs TX³
4 035 74
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4 036 04
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MCBs DX³
4 076 62
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4 077 92
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4 078 00
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emergency lighting
6 614 01
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6 615 21
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6 617 01
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4 079 77
4 080 27
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4 081 43
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4 091 11
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4 092 00
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4 093 33
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RCCB DX³
4 111 85
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4 112 04
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emergency lighting
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multi-outlet extensions
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Galea Life
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SEMKO
(Sweden)

socket outlet DX
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Galea Life
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Valena
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TSE
(Turkey)

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Batibox
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multi-outlet extensions
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Galea life
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ASTA
(UK)

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Batibox
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These products obtained on January 1st 2014, the following approvals

KITEMARK (UK)

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LLYOD'S REGISTER OF SHIPPING (UK)

cartridge fuses + fuse carriers
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UNDER WRITERS LABORATORIES (United States)
Listed

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UNDER WRITERS LABORATORIES (United States)
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power supplies
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other agreements please consult us

These products benefit on January 1st 2014, from PEP (Product Environmental Profile)

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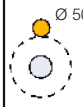
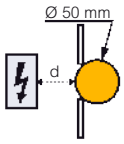
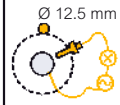
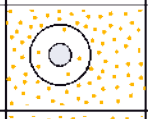
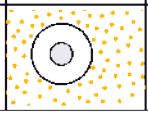
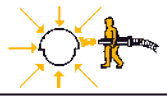
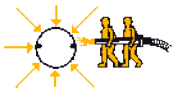
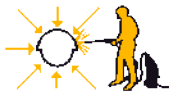
Index of protection

1. Protection against solid bodies and liquids: IP index of protection

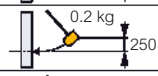
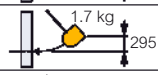
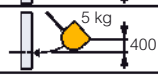
Degrees of protection for enclosures of electrical equipment according to standards: IEC 60529, BS EN 60529 and NF EN 60529

1st digit: protection against solid bodies			Additional letter IP XX (ABCD): protection against direct contact resulting from the access to hazardous current-carrying parts		
IP	tests		IP	tests	protection
0		No protection			
1		Protected against solid bodies larger than 50 mm	A		The back of the hand remains remote from dangerous parts
2		Protected against solid bodies larger than 12.5 mm	B		The dangerous parts can not be touched when introducing a finger
3		Protected against solid bodies larger than 2.5 mm	C		The dangerous parts can not be touched when introducing a tool (eg a screwdriver)
4		Protected against solid bodies larger than 1 mm	D		The dangerous parts can not be touched when introducing a wire
5		Protected against dust (no harmful deposit)			
6		Completely protected against dust			

2nd digit: protection against liquids		
IP	tests	
0		No protection
1		Protected against vertically-falling drops of water (condensation)
2		Protected against drops of water falling at up to 15° from the vertical
3		Protected against drops of rain water at up to 60° from the vertical
4		Protected against projections of water from all directions
5		Protected against jets of water from all directions
6		Protected against jets of water of similar force to heavy seas
7		Protected against the effects of immersion
8		Protected against prolonged effects of immersion under presure
9		Protected against high pressure and temperature water jets

2. Protection against mechanical impact: IK index of protection

According to standards: IEC 62262, BS EN 62262 and NF EN 62262

IK	Tests	Impact energy (in Joules)
IK 00		0
IK 01		0.15
IK 02		0.2
IK 03		0.35
IK 04		0.5
IK 05		0.7
IK 06		1
IK 07		2
IK 08		5
IK 09		10
IK 10		20

• This table can be used to ascertain the resistance of a product to an impact given in Joules from the IK code (graduated from 00 to 10)

Marking, Marks, Certificates, Declarations: what you need to know

• CE marking:

The CE marking appears on Legrand's electrical and/or electronic devices or on their packaging. It is made mandatory by Directives of the European Parliament and of the council of the European Union.

On no account may the CE marking replace a conformity mark. In the European Union, it allows customs officials and regulatory bodies to authorize the free circulation of any product marked CE.

The manufacturer shall affix the CE marking on his products or their packaging under his sole responsibility.

His manufacture is not submitted to any conformity check by an outside body (compliance with national and international standards of safety and performance).

• Conformity marks (NF, VDE, CEBEC, IMQ, …):

They guarantee that the products concerned comply with national standards. This conformity is guaranteed by the Certification Bodies.

Before their market release, the products are tested by an approved Laboratory, and the conformity of production is ensured by periodic factory testing. The standards are designed to guarantee both the products' safety and their performance.

The installers and builders are represented by their professional organizations in the national and international (IEC) standards drafting committees.

• Legrand Declaration of Conformity:

This is Legrand's commitment to certain specific requirements which are not covered by a Conformity mark.

This commitment is formalized by a Declaration of Conformity.

Requirements	CE marking	Conformity mark	legrand
Safety	At the manufacturer's discretion	Strict compliance with standards in the design of the product	Additional requirements according to modes of use (professionals, private individuals, types of premises, …)
Reliability	No requirement	Strict compliance with standards as regards performance	Specifications going far beyond the standard requirements
Ease of installation	No requirement	No requirement	Absolute simplicity required
User-friendliness	No requirement	No requirement	Optimal adaptation to the conditions of use
Factory testing	Requirement not defined	Periodic checking by outside bodies	Ongoing checks according to the ISO 9001/9002 procedures
Guarantees for the installer and the user	**Simple passport for circulation within the European Union**	**Guarantee of an essential minimum quality level**	**Guarantee of compliance with the quality requirements and commitments of a major brand**
Associated documents	CE Declaration of Conformity	Certificate of Conformity Mark	Declaration of Conformity

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