INCLUDING :

HPM

legrand

2012

CATALOGUE

PRODUCTS AND SYSTEMS
FOR ELECTRICAL INSTALLATIONS
AND INFORMATION NETWORKS

legrand®

WE ARE ONE

Welcome to the first edition of the combined HPM and Legrand product catalogue. Uniting the HPM and Legrand catalogues in one book makes it easier for you to find all the products you need from energy distribution and emergency lighting, to cable management, switches and outlets.

HPM Legrand is growing. In 2012 the new HPM Legrand Head Office opens in Prestons, Sydney. This state-of-the-art purpose built facility houses manufacturing, R&D, warehousing and office facilities and demonstrates the commitment of Legrand to the Australian and New Zealand markets. We are dedicated to developing new technologies, driving innovation and lifting the profile of the electrical industry. Demonstrated by releasing hundreds of new products into the market in the past year including the next generation of the iconic Excel range: Excel Life. This rapid pace of new product development will continue with a further 3 Excel Life product launches planned for 2012, as well as a bolstered industrial offer, continued home automation innovations and more energy-saving LED lighting solutions.

Technology is moving and spreading rapidly; we are eager to capitalise on any new technology that can help simplify and expedite business for you. Look out for our free Arteor and Linea Colour Selector iPhone and iPad apps, the first of their kind in the industry, as well as a product selector. They provide easy-to-use solutions for selecting products when consulting with your customers.

I thank you sincerely for your support. Your feedback helps us to develop better products and services, so please continue to speak regularly with our team. I wish you great prosperity in your business.

Giuseppe Parola
CEO
HPM Legrand

OTHER HPM LEGRAND BRANDS AND CATALOGUES INCLUDE:

bticino CABLOFIL® NELSON

HOW TO USE THIS BOOK

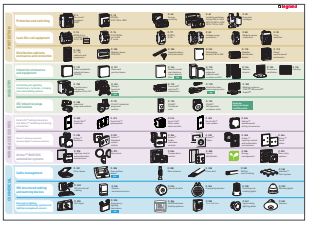
This catalogue is split into 2 distinct parts according to product brand.

All Legrand products can be found in the first section.

All HPM products are listed in the second section after the cardboard tab.

TABLE OF CONTENTS

The 'Table of Contents' for both Legrand and HPM outline the contents for each brand. The coloured bars correspond to the colour of the section catalogue for easier navigation.



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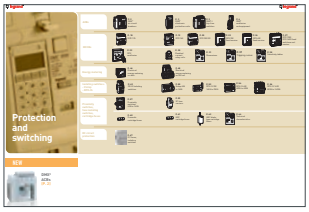
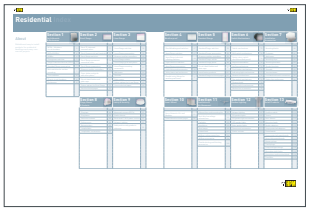
SECTION INDEXES

The Section Indexes are found at the beginning of each section, or chapter, and give an extra level of detail about what products are contained within the section.



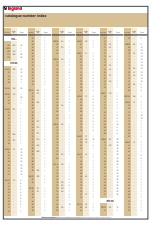
Legrand



HPM

CATALOGUE NUMBER INDEXES

These contain an alphanumeric listing of catalogue numbers, pack quantities and page numbers. These Indexes start with numeric catalogue numbers then proceed to those catalogue numbers beginning with letters.



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PACKAGING

Products with catalogue numbers prefixed with an 'R' or 'D' are display packaged products. 'D' prefixed products are supplied in blister or clamshell packaging. 'R' prefixed products are supplied in sleeves or bags. (E.g. D102 is a double adaptor in a blister pack and R2935 is a 35mm extra heavy duty lead in a sleeve).

VOLTAGE RATINGS

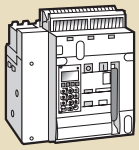
The nominal supply system in Australia and New Zealand is 230/400V but many supply authorities in Australia continue to supply 240/415V. Becase of this situation HPM test to ensure all single phase products are suitable for use at 240V. All electronic products are rated 230-240V. Switches marked 240V are also suitable for 230V; other accessories without switches are suitable for 230V or 240V.

Look for the energy efficient icon to help reduce energy consumption on your next project.

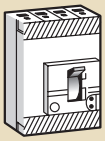
HPM Legrand Customer Service
☎ : 1300 369 777

PROTECTION

Protection and switching

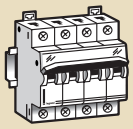


P. 2
Air circuit breakers: DMX³

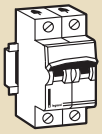


P. 18
MCCBs: DPX 125 to 1600

Lexic Din-rail equipment

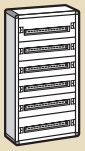


P. 74
MCBs from 1 to 63A, DX-H DX-E, DE 6000 10000

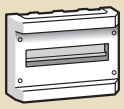


P. 76
DX-D MCBs up to 63A D curve

Distribution cabinets, enclosures and connection



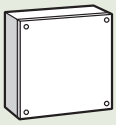
P. 104
XL³ 160 cabinets and equipment



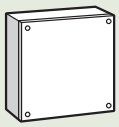
P. 108
Modular boxes IP30 IK10

INDUSTRY

Industrial enclosures and equipment

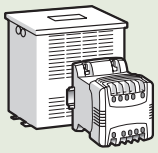


P. 119
Metal and plastic industrial boxes IP65/55

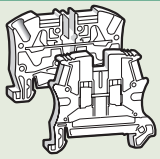


P. 121
Plexo and junction boxes

Controlling and signalling transformers, terminals , crimping tools and marking systems

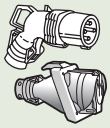


P. 150
Transformers and power supplies AC or DC

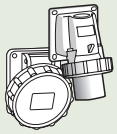


P. 162
Viking 3 terminal blocks
NEW

IEC Industrial plugs and sockets



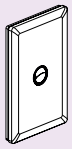
P. 188
Industrial plugs and sockets



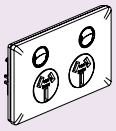
P. 191
IP 66/67 industrial plugs and sockets

WIRING ACCESSORIES

Excel Life™ wiring accessories and Soliroc™ weatherproof wiring accessories

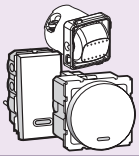


P. 202
Excel Life™ switches

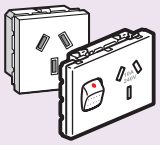


P. 212
Excel Life™ powerpoints

Arteor™ wiring accessories wireless Zigbee™ wireless switches

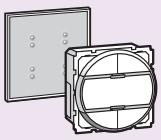


P. 238
Arteor™ Switches

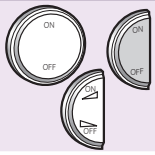


P. 251
Arteor™ Standard socket outlets

Arteor™ BUS/SCS automation systems



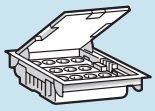
P. 278
Lighting control and automation mechanisms



P. 279
Key covers

COMMERCIAL

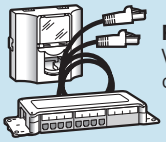
Cable management



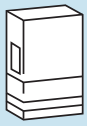
P. 301
Floor boxes

P. 308
Pop-up floor boxes
NEW

VDI structured cabling and warning devices

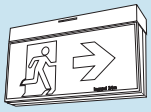


P. 322
VDI structured cabling

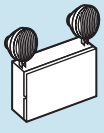


P. 324
Electro-mechanical sirens

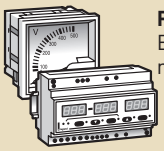
Emergency lighting, computerised testing systems and lighting management sensors

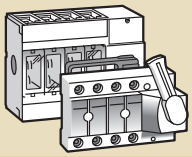


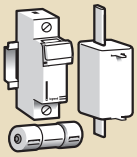
P. 330
Exit signs

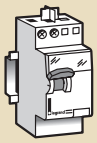


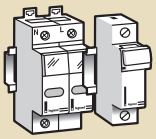
P. 338
Emergency lighting luminaires
NEW

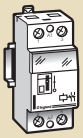

P. 48 Energy metering

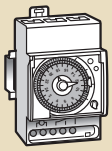

P. 49 Isolating switches: Vistop 63A to 160A DPX-IS 250 to 1600 DPX-I 125 to 1600

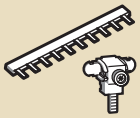

P. 59 Fuse and cartidges


P. 77 RCBOs, RCDs

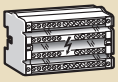

P. 82 Voltage surge protectors

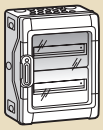

P. 88 Modular power contactors

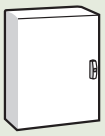

P. 90 Time switches

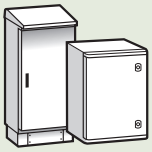

P. 108 Supply busbars, entry terminals

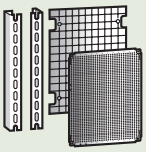
P. 109 Distribution boards 24P to 84P

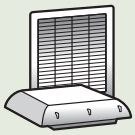

P. 110 Modular distribution blocks

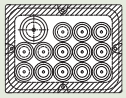

P. 112 Plexo³ weatherproof enclosures

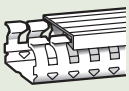

P. 124 Atlantic metal and stainless steel cabinets IP66 NEW

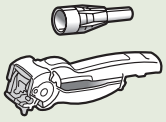

P. 130 Marina polyester cabinets and enclosures IP66

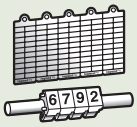

P. 134 Modular chassis


P. 135 Enclosure ventilation

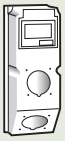

P. 136 Cabstop

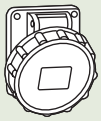

P. 176 Transcab™ and Lina™ slotted duct


P. 178 Starfix ferrules and crimping tools NEW

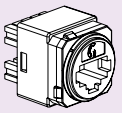


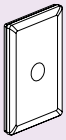
P. 180 Marking systems CAB 3™, Memocab™, Duplix™

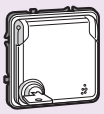

P. 192 IP66/67 Combined units


P. 192 IP66/67 Refrigerated container units

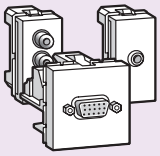
Quantum industrial plugs in HPM section

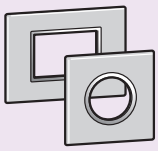

P. 216 Excel Life™ Data, audio, video sockets

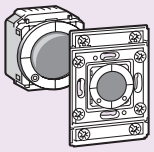

P. 220 Excel Life™ cover plates

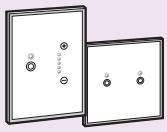

P. 224 Soliroc™ weatherproof wiring accessories

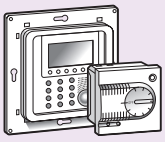
For HPM switches and sockets see HPM section

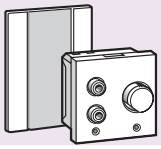

P. 256 Arteor™ Audio and video sockets


P. 259 Arteor™ Plates

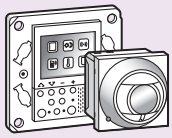

P. 268 Arteor™ Lighting control and automation mechanisms


P. 264 Arteor™ Touch plates

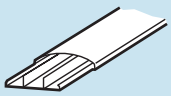

P. 284 Temperature control

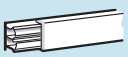

P. 288 Sound distribution

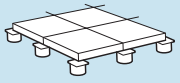
P. 286 Energy management


P. 292 Door entry systems

P. 308 Mini-columns

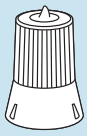

P. 308 Floor duct


P. 309 DLPlus mini trunking


P. 318 Soluflex™ floor system

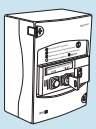
P. 324 Industrial bells

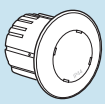
P. 324 Heavy duty buzzers

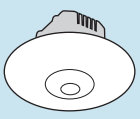

P. 325 Flashing and rotating lights

P. 325 Blinking lights

P. 356 AXIOM wireless testing systems


P. 358 Test switches


P. 361 Lipso safety lighting pilots


P. 363 Sensors

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20	-	10	65	-	3	04	-	1	54	-	1	257 02	27	1	26	-	1
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Cat. No.	Page No	Pack
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92	-	50

Cat. No.	Page No	Pack
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23	-	10
24	-	10
36	-	10
98	175	10

400 00

Cat. No.	Page No	Pack
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44	-	1
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99	-	5
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69	-	1
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71	-	1
72	-	1
73	-	1
74	-	1

450 00

Cat. No.	Page No	Pack
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29	-	1
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06	-	1
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11	-	1
13	-	1
14	276	1
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32	375	1
33	294	1
37	375	1
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74	363	1
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34	281	1
37	-	1
49	291	1
80	281	1
90	-	1
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60	-	1
83	78	1
86	-	1
497 50	97	1
52	-	1
54	-	1
56	-	1
498 32	97	1
499 26	99	1
83	98	1
86	-	1

500 00

Cat. No.	Page No	Pack
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30	-	1
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86	-	1
90	-	1
91	-	1
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38	-	5
39	-	5
90	-	5
517 72	322	5
73	-	5
74	-	5
75	-	5
520 02	153	1
22	-	1
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42	-	1
49	-	1
62	-	1
79	-	1
82	-	1
89	-	1
521 72	153	1
73	-	1
74	-	1
522 03	153	1
04	-	1
19	-	1
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62	-	1
79	-	1
82	-	1
528 72	153	1
73	-	1
74	-	1
529 03	153	1
04	-	1
19	-	1
20	-	1
26	155	1
36	-	1
40	-	1
43	153	1
44	-	1
46	155	1
49	153	1
63	-	1
64	-	1
79	-	1
83	-	1
84	-	1
86	155	1
90	153	1
530 06	154	1
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11	-	1
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60	-	1
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86	-	1
90	-	1
91	-	1
538 89	154	1

550 00

Cat. No.	Page No	Pack
555 53	188	10
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573 54	188	5
574 34	188	10
575 14	188	10
84	-	5
576 11	188	10
12	-	10
581 34	188	10
582 14	188	10
84	-	5
591 14	154	1
15	-	1
592 27	154	1
60	155	1

Cat. No.	Page No	Pack
61	-	1
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63	-	1
64	-	1
65	-	1
66	-	1
67	-	1
593 26	154	1
27	-	1
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46	-	1
47	-	1
76	-	1
86	-	1
87	-	1
594 27	154	1
28	-	1
37	-	1
38	-	1
47	-	1
48	-	1
77	-	1
78	-	1
87	-	1
88	-	1
595 02	154	1
03	-	1
12	-	1
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596 51	155	1
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95	-	1

600 00

Cat. No.	Page No	Pack
608 241	18	1
242	-	1
243	-	1
244	-	1
245	-	1
246	-	1
634 31	293	1
32	-	1
33	-	1
34	-	1
35	292	1
38	293	1
39	-	1
42	371	1

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Cat. No.	Page No	Pack
675 18	284	1

700 00

Cat. No.	Page No	Pack
741 66	241	

750 00

Cat. No.	Page No	Pack
750 07	243	10
767 10	250	5
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778 11	224	1
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13	-	1
14	-	1
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23	-	1
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81	-	1
83	226	1
84A	224	1
85	-	1
86	-	1
87	-	1
90	226	1
91	224	1
92	226	1
93	-	1

Cat. No.	Page No	Pack
94	-	1
95	-	1
96	-	1
788 03	309	1

800 00

Cat. No.	Page No	Pack
800 41	296	50
42	-	40
43	-	20
51	361	1
52	226	40
53	-	20
67	-	1
12	-	1
51	279	1
67	296	1
77	-	1
801 08	226	100
41	296	100
42	226	40
43	-	20
51	-	100
802 51	226	10
59	309	1
819 42	226	50
72	-	20

850 00

Cat. No.	Page No	Pack
882 30	372	1
31	376	1
32	-	1
35	372	1
883 01	286	1
892 43	227	10
79	288	2
86	227	10
893 12	232	
36	227	30
46	-	50
70	-	20
71	-	10
72	-	10
73	-	10
74	-	10
75	-	10
79	288	2
896 06	304	1
11	-	1
16	-	1
20	305	1
21	-	1
25	-	1

Cat. No.	Page No	Pack
26	-	1
30	-	1
31	-	1
32	-	1
34	302	1
39	-	1
83	-	1
84	-	1
85	-	1
86	-	1
87	-	1
88	-	1

900 00

Cat. No.	Page No	Pack
921 00	96	5
22	95	1
27	118	5
37	-	5

950 00

Cat. No.	Page No	Pack
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05	-	10
06	-	5
07	-	3
08	-	2
09	-	2
41	-	50
43	-	50
45	-	50
46	-	25
47	-	25

0000 00

Cat. No.	Page No	Pack
0002 80	228	1

0540 00

Cat. No.	Page No	Pack
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18	-	1
20	-	1
21	-	1
22	-	1
23	-	1
26	-	1
28	-	1
31	-	1

Cat. No.	Page No	Pack
33	-	1
88	-	1

0893 00

Cat. No.	Page No	Pack
0893 12	296	20

1000 00

Cat. No.	Page No	Pack
100 652	178	1000
653	-	1000

2000 00

Cat. No.	Page No	Pack
2000 57	349	1
74	-	1
2003 55	349	1
2004 50	343	1
72	-	1
73	-	1
76	-	1
2010 24	268	1/5
58	356	1
2013 20	352	1
22	-	1
87S	-	1
89S	-	1
2015 10	349	1
25	-	1
26	-	1
29	-	1
59	343	5
2018 48	349	1
2019 17	349	1
87	343	1
2027 26	348	1
53	339	1
2040 08	263	1
10	339	1
11	-	1
12	-	1
13	339	1
14	-	1
15	-	1
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17	-	1
18	-	1
19	-	1
20	-	1
22	-	1
23	-	1
41	337	1
42	-	1

Cat. No.	Page No	Pack
43	-	1
44	-	1
45	-	1
46	-	1
47	-	1

2043 06 338 -

1000 00

Cat. No.	Page No	Pack
2046 07	338	1
39	109	1

Cat. No.	Page No	Pack
2220 23	343	1
24	351	1
25	343	1
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27	-	1
28	-	1
29	-	1
30	-	1
75	339	1
76	-	1
77	-	1
83	259	1

Cat. No.	Page No	Pack
2223 22	338	1
43	356	1
2224 23	339	1
26	-	1
29	-	1
32	-	1
35	-	1
39	-	1
42	-	1
45	-	1
73	-	1
76	-	1
79	-	1
82	-	1
85	-	1
88	-	1
91	-	1
94	-	1
99	-	1

Cat. No.	Page No	Pack
2225 28	338	1
49	352	1
59	343	1
70	-	1
71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
80	339	1
81	-	1

Cat. No.	Page No	Pack
2226 94	349	1

Cat. No.	Page No	Pack
2230 09	339	1
10	-	1

Cat. No.	Page No	Pack
19	356	1
36	348	1
37	-	1
39	-	1
46	349	1
2231 21	258	1
33	339	1
35	-	1
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39	-	1
41	-	1
43	-	1
45	-	1
47	-	1
52	349	1/5
53	-	
85	356	1
2267 60	339	1
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4130 91	156	1
92	-	1
93	-	1
4131 05	155	1
07	-	1
08	-	1
4141 51	67	1
60	-	1
81	-	1
90	-	1
91	-	1
4142 21	67	1
23	-	1
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63	-	1
81	-	1
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27	-	10
28	-	10
29	-	10
30	-	10
81	-	1
82	-	1
4148 00	67	40
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02	-	20
03	-	20
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4447 00	67	10
4063 07	67	10
5000 00		
5719 07	252	10
10	267	10
17	238	10
19	-	10
20	258	1
27	238	10
29	-	10
36	-	10
37	-	10
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87		10
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97	-	10
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03	-	10|5
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15	241	5
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33	-	10
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ED770/6PLWE	-	
ED770/1PLUG	-	
ED770/2PLUG	-	
ED770/3PLUG	-	
ED770/4PLUG	-	
ED770/5PLUG	-	
ED770/6PLUG	-	
ED770/1PLMS	-	
ED770/2PLMS	-	
ED770/3PLMS	-	
ED770/4PLMS	-	
ED770/5PLMS	-	
ED770/6PLMS	-	
ED770/1PLIC	-	
ED770/2PLIC	-	
ED770/3PLIC	-	
ED770/4PLIC	-	
ED770/5PLIC	-	
ED770/6PLIC	-	
ED770/1PLMA	-	
ED770/2PLMA	-	
ED770/3PLMA	-	
ED770/4PLMA	-	
ED770/5PLMA	-	
ED770/6PLMA	-	
ED770/1PLDI	-	
ED770/2PLDI	-	
ED770/3PLDI	-	
ED770/4PLDI	-	
ED770/5PLDI	-	
ED770/6PLDI	-	

ED777

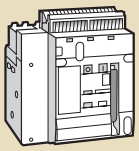
ED777WE	212	10
ED777UG	-	10
ED777XWE	-	10
ED777XUG	-	10
ED777/15WE	-	10
ED777/15UG	-	10
ED7774WE	-	10
ED7774UG	-	10
ED777RWE	-	10
ED777RUG	-	10
ED777PLMS	220	
ED777XPLMS	-	
ED777PLIC	-	

Cat. No.	Page No	Pack
ED777XPLIC	-	
ED777PLMA	-	
ED777XPLMA	-	
ED777PLDI	-	
ED777XPLDI	-	
ED787		
ED787WE	212	10
ED787UG	-	10
ED787XWE	-	10
ED787XUG	-	10
ED787/2XWE	-	10
ED787/2XUG	-	10
ED787/15WE	-	10
ED787/15UG	-	10
ED787/20WE	-	10
ED787/20UG	-	10
ED787/25WE	-	10
ED787/25UG	-	10
ED787/32WE	-	10
ED787/32UG	-	10
ED787DPWE	-	10
ED787DPUG	-	10
ED787RWE	-	10
ED787RUG	-	10
ED787PLMS	220	
ED787PLIC	-	
ED787PLMA	-	
ED787PLDI	-	
ED920		
ED920PLWE	220	
ED920PLUG	-	
ED920PLMS	-	
ED920PLIC	-	
ED920PLMA	-	
ED920PLDI	-	
EM250		
EM250TRWE	209	10
EM250TRUG	-	10
EM400		
EM400TRWE	209	10
EM400TRUG	-	10
EM450		
EM450UPWE	209	10
EM450UPUG	-	10
EM450A3PWE	-	10
EM450A3UP	-	10
EM770UG	-	10
EM770UG	-	10
EM770UG	-	10
EM700		
EM700TRWE	209	10
EM700TRUG	-	10
EM770		
EM770WE	203	10
EM770UG	-	10
EM770AIRCONWE	-	10
EM770AIRCONUG	-	10
EM770EXHWE	-	10
EM770EXHUG	-	10
EM770FANWE	-	10
EM770FANUG	-	10
EM770HEATWE	-	10
EM770HEATUG	-	10
EM770LIGHTWE	-	10
EM770LIGHTWE	-	10
EM770SENSORWE	204	10
EM770USENSORUG	-	10
EM770WASTEWE	-	10
EM770WASTEUG	-	10
EM770BPASSWE	-	10
EM770BPASSUG	-	10
EM770ZONE1WE	-	10
EM770ZONE1UG	-	10
EM770ZONE2WE	-	10
EM770ZONE2UG	-	10
EM770ZONE3WE	-	10
EM770ZONE3UG	-	10
EM770ZONE4WE	-	10
EM770ZONE4UG	-	10
EM770IMWE	-	10
EM770IMUG	-	10
EM770DPWE	-	10
EM770ZDPUG	-	10
EM770/20DPWE	-	10
EM770/20DPUG	-	10
EM770/20WE	-	10
EM770/20UG	-	10
EM770/-20RDWE	-	10
EM770/-20RDUG	-	10
EM770/20ACWE	-	10
EM770/20ACUG	-	10
EM770/25WE	-	10
EM770/25UG	-	10
EM770/32WE	-	10
EM770/32UG	-	10
EM770/32HOTPWE	-	10
EM770/32HOTPUG	-	10
EM770/320VENWE	-	10
EM770/320VENUG	-	10
EM770DUOWE	-	10
EM770DUOUG	-	10
EM770XWE	-	10
EM770XUG	-	10
EM770XDOORWE	-	10
EM770XDOORUG	-	10
EM770XPRESSWE	205	10
EM770XPRESSUG	-	10
EM770XRESETWE	-	10
EM770XRESETUG	-	10
EM770/20KT	-	10
EM770LEDWE	214	10
EM770LEDUG	-	10
EM787		
EM787WE	213	10
EM787AWE	-	10
EM787ARWE	-	10
EM787A/15WE	-	10
EM787U/20WE	-	10
EM787U/25WE	-	10
EM787U/32WE	-	10
EM800		
EM800SLAVEWE	203	10
EM800SLAVEUE	-	10
EM802		
EM802TDWE	211	10
EM802TDUG	-	10
EM803		
EM803PEWE	203	10
EM803PEUG	-	10
EM803SURGEWE	213	10
EM803SURGEUG	-	10
EM803LEDWE	214	10
EM803LEDUG	-	10
EM820		
EM820KLIOWE	205	10
EM820KLIOUG	-	10
EM820KLIWE	-	10
EM820KLIUG	-	10
EM820KLOWE	-	10
EM820KLOUG	-	10
EM910		
EM910RPWE	221	10
EM2000		
EM2000ERC	209	10
E		
EMIRWE	203	10
EMIRUG	-	10
EAIRREMOTE	-	10
EMRSWE	-	10
EMRSUG	-	10
ECUSBWE	217	10
EAKEYFOB	218	10
ECKFSWE	-	10
EDKFSWE	-	10
ECCWGPLWE	219	10
ECFRAME	221	10
EAP		
EAPP	221	50
EAPWDSCREW	-	1
EAPWD5GKIT	-	10
EAPWD6GKIT	-	10
ECC		
ECCWPLWE	220	
ECCW2WPLWE	-	
ECCW3WPLWE	-	
ECCW2HPLWE	-	
ECCW3HPLWE	-	
ECCW4HPLWE	-	
EDA		
EDA7701GPLWE	219	10
EDA7701GPLUG	-	10
EDA7702GPLWE	-	10
EDA7702GPLUG	-	10
EDA7703GPLWE	-	10
EDA7703GPLUG	-	10
EDA7704GPLWE	-	10
EDA7704GPLUG	-	10
EDC		
EDCWPLMS	220	
EDCWPLIC	-	
EDCWPLMA	-	
EDCWPLDI	-	
EMC		
EMCCWE	221	10
EMCCUG	-	10
EMCLIDWE	-	10
EMCLIDUG	-	10
EMF		
EMFFFOXWE	216	10
EMFFFOXUG	-	10
EMFFWE	-	10
EMFFUG	-	10
EMI		
EMIDWE	221	10
EMIDUG	-	10
EMP		
EMPAPS1WE	214	10
EMPAPS1UG	-	10
EMPAPS2WE	-	10
EMPAPS2UG	-	10
EMPAWE	-	10
EMPAUG	-	10
EMPS1WE	-	10
EMPS1UG	-	10
EMPS2WE	-	10
EMPS2UG	-	10
EMPFWE	216	10
EMPFUG	-	10
EMR		
EMRJ11C3WE	216	10
EMRJ11C3BL	-	10
EMRJ11C3BU	-	10
EMRJ11C3GR	-	10
EMRJ11C3RD	-	10
EMRJ45C5EWE	-	10
EMRJ45C5EBL	-	10
EMRJ45C5EBU	-	10
EMRJ45C5EGR	-	10
EMRJ45C5ERD	-	10
EMRJ45C5EYE	-	10
EMRJ45C6WE	-	10
EMRJ45C6BL	-	10
EMRJ45C6BU	-	10
EMRJ45C6GR	-	10
EMRJ45C6RD	-	10
EMRJ45C6YE	-	10
EMRCARDWE	217	10
EMRCARDUG	-	10
EMRCAWEWE	-	10
EMRCAWEUG	-	10
EMRCAYEWE	-	10
EMRCAYEUG	-	10
EMS		
EMSPWE	216	10
EMSPUG	-	10
ESC		
ESCWPLWE	220	
ES770		
ES770/0GPLWE	219	10
ES770/1GPLWE	-	10
ES770/2GPLWE	-	10
ES770/3GPLWE	-	10
ES770/4GPLWE	-	10
ES770/5GPLWE	-	10
ES770/6GPLWE	-	10
ES777		
AR777WE	213	10
ES787		
AR787WE	213	10
DPX		
DPX125LK	19	1
DPX250ERLK	-	1
HPM		
HPM0800L-24	85	1
HPM0800L-36	-	1
HPM0800L2425F	-	1
HPM0800L3625F	-	1
HPM1000L-48	-	1
HPM1000L-60	-	1
HPM1000L4825F	-	1
HPM1000L6025F	-	1
HPM1200L-72	-	1
HPM1200L-84	-	1
HPM1200L7225F	-	1
HPM1200L8425F	-	1

Notes

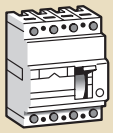
Protection and switching

ACBs

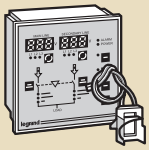


P. 2 DMX³ air circuit breakers

MCCBs



P. 18 DPX 125

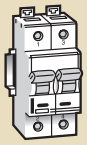


P. 29 DPX auxiliaries

Energy metering

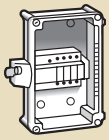
P. 46 Electrical energy metering on door

Isolating switches:
- Vistop
- DPX-IS



P. 49 DX-IS Isolating switches

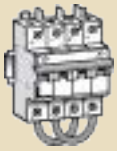
Proximity switches, fuse isolating switches, cartridge fuses



P. 57 Proximity switches 63A to 160A

P. 60 Domestic cartridge fuses

DC circuit protection



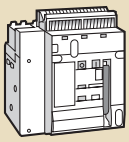
P. 67 DC fuses, isolating switches

NEW

DMX³ ACBs
(P. 2)

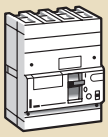
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

P. 3
DMX³
electronic
protection units

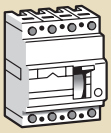


P. 3
DMX³-I
trip-free
switches

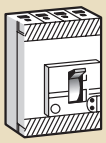
P. 4
DMX³
auxiliaries
and equipment



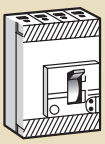
P. 19
DPX 160



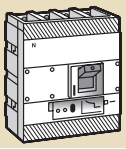
P. 20
DPX 250 ER



P. 22
DPX 250
fixed version



P. 24
DPX 630
fixed version



P. 27
DPX 1250
DPX 1600 fixed
and draw-out
version

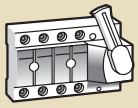
P. 30
Residual
current
relay coils

P. 31
Dimensions

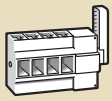
P. 37
Tripping curves

P. 38
Selectivity tables

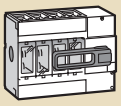
P. 48
Electrical
energy metering
on Din rail



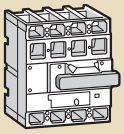
P. 50
Vistop 63A
to 160A



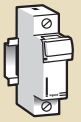
P. 52
DPX-IS 250
160A to 250A



P. 54
DPX-IS 630
400A to 630A



P. 56
DPX-IS 1600
800A to 1600A



P. 59
SP fuse
carriers

P. 61
HRC
cartridge fuses

P. 62
HRC blade
type cartridge
fuses

P. 64
Technical
characteristics

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DMX³ 2500 and 4000 NEW

Air circuit breakers from 800 to 4000 A

286 56 + 288 02

286 74 + 288 02

287 56 + 288 02

Dimensions (p. 6 to 9)
Electrical characteristics (p. 10 to 13)

Air circuit breakers equipped with:
- electronic protection unit (to be ordered together for factory assembly). Please ask for DMX³ order form (mandatory).
- auxiliary contacts

Pack	Cat.No.	Fixed version
		Supplied with rear terminals for horizontal connection
		DMX³ - N 2500
	Frame 1	Breaking capacity Icu 50 kA (415 V~)
	3P / 4P	In (A)
1	286 21 / 286 31	800
1	286 22 / 286 32	1000
1	286 23 / 286 33	1250
1	286 24 / 286 34	1600
1	286 25 / 286 35	2000
1	286 26 / 286 36	2500
		DMX³ - H 2500
	Frame 1	Breaking capacity Icu 65 kA (415 V~)
	3P / 4P	In (A)
1	286 41 / 286 51	800
1	286 42 / 286 52	1000
1	286 43 / 286 53	1250
1	286 44 / 286 54	1600
1	286 45 / 286 55	2000
1	286 46 / 286 56	2500
		DMX³ - L 2500
	Frame 2	Breaking capacity Icu 100 kA (415 V~)
	3P / 4P	In (A)
1	286 61 / 286 71	800
1	286 62 / 286 72	1000
1	286 63 / 286 73	1250
1	286 64 / 286 74	1600
1	286 65 / 286 75	2000
1	286 66 / 286 76	2500
		DMX³ - N 4000
	Frame 2	Breaking capacity Icu 50 kA (415 V~)
	3P / 4P	In (A)
1	286 27 / 286 37	3200
1	286 28 / 286 38	4000
		DMX³ - H 4000
	Frame 2	Breaking capacity Icu 65 kA (415 V~)
	3P / 4P	In (A)
1	286 47 / 286 57	3200
1	286 48 / 286 58	4000
		DMX³ - L 4000
	Frame 2	Breaking capacity Icu 100 kA (415 V~)
	3P / 4P	In (A)
1	286 67 / 286 77	3200
1	286 68 / 286 78	4000

Pack	Cat.No.	Draw-out version
		Supplied with a base equipped with flat rear terminals and lockable safety shutters
		DMX³ - N 2500
	Frame 1	Breaking capacity Icu 50 kA (415 V~)
	3P / 4P	In (A)
1	287 21 / 287 31	800
1	287 22 / 287 32	1000
1	287 23 / 287 33	1250
1	287 24 / 287 34	1600
1	287 25 / 287 35	2000
1	287 26 / 287 36	2500
		DMX³ - H 2500
	Frame 1	Breaking capacity Icu 65 kA (415 V~)
	3P / 4P	In (A)
1	287 41 / 287 51	800
1	287 42 / 287 52	1000
1	287 43 / 287 53	1250
1	287 44 / 287 54	1600
1	287 45 / 287 55	2000
1	287 46 / 287 56	2500
		DMX³ - L 2500
	Frame 2	Breaking capacity Icu 100 kA (415 V~)
	3P / 4P	In (A)
1	287 61 / 287 71	800
1	287 62 / 287 72	1000
1	287 63 / 287 73	1250
1	287 64 / 287 74	1600
1	287 65 / 287 75	2000
1	287 66 / 287 76	2500
		DMX³ - N 4000
	Frame 2	Breaking capacity Icu 50 kA (415 V~)
	3P / 4P	In (A)
1	287 27 / 287 37	3200
1	287 28 / 287 38	4000
		DMX³ - H 4000
	Frame 2	Breaking capacity Icu 65 kA (415 V~)
	3P / 4P	In (A)
1	287 47 / 287 57	3200
1	287 48 / 287 58	4000
		DMX³ - L 4000
	Frame 2	Breaking capacity Icu 100 kA (415 V~)
	3P / 4P	In (A)
1	287 67 / 287 77	3200
1	287 68 / 287 78	4000

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

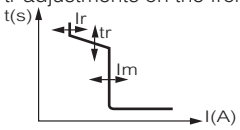
DMX³ 2500 and 4000 NEW
Electronic protection units

288 02

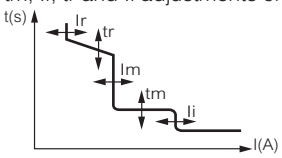
Settings and curves (p. 10 to 11)

DMX³ 2500 and 4000 circuit breakers can be equipped with MP4 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
Integrated LCD screen for displaying: current values, fault adjustment and log
MP4 protection units are equipped with batteries for powering in case of mains fault or when the breaker is open or not connected

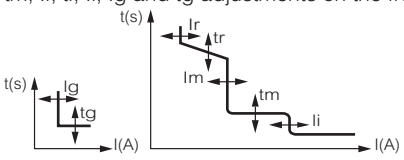
Pack	Cat.Nos	Electronic protection unit MP4 LI
1	288 00	Electronic protection unit with LCD screen with Im, Ir, tr adjustments on the front



		Electronic protection units MP4 LSI
1	288 01	Electronic protection unit with LCD screen with Im, tm, Ir, tr and Ii adjustments on the front



		Electronic protection unit MP4 LSIg
1	288 02	Electronic protection unit with LCD screen with Im, tm, Ir, tr, Ii, Ig and tg adjustments on the front



		Accessories for electronic protection units
1	288 05(1)	Communication option for DMX³ electronic protection units
1	288 06	12 V DC external power supply for DMX³ electronic protection units
1	288 07(1)	Earth leakage module for DMX³ electronic protection units (needs an external coil Cat.No 288 11)
1	288 11(1)	External coil for electronic earth leakage module Cat.No 288 07
1	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

DMX³-I NEW
Trip free switches from 1250 to 4000 A

286 96 287 96

Dimensions (p. 6 to 9)
Technical characteristics (p. 10 to 13)

Trip free switches equipped with:
- rear terminals
- auxiliary contacts

Pack	Cat.Nos	Fixed version
	Frame 1	**DMX³-I 2500**
	3P / 4P	In (A)
1	286 83 / 286 93	1250
1	286 84 / 286 94	1600
1	286 85 / 286 95	2000
1	286 86 / 286 96	2500
	Frame 2	**DMX³-I 4000**
	3P / 4P	In (A)
1	286 87 / 286 97	3200
1	286 88 / 286 98	4000

		Draw-out version
		Supplied with a base equipped with flat rear terminals and lockable safety shutters
	Frame 1	**DMX³-I 2500**
	3P / 4P	In (A)
1	287 83 / 287 93	1250
1	287 84 / 287 94	1600
1	287 85 / 287 95	2000
1	287 86 / 287 96	2500
	Frame 2	**DMX³-I 4000**
	3P / 4P	In (A)
1	287 87 / 287 97	3200
1	287 88 / 287 98	4000

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DMX³ 2500 and 4000

NEW

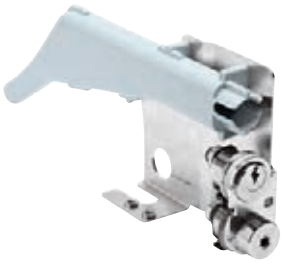
Auxiliaries and accessories

288 51

288 58

288 37

288 44



288 32 + 288 33

288 15

Pack	Cat. No.	Control and signalling auxiliaries
		Shunt trip
		When energised the circuit breaker will be tripped
1	288 48	24 V~/⎓
1	288 49	48 V~/⎓
1	288 50	110 V~/⎓
1	288 51	230 V~/⎓
1	288 52	415 V~
		Undervoltage releases
		When the coil is de-energised, the circuit breaker will be tripped
1	288 55	24 V~/⎓
1	288 56	48 V~/⎓
1	288 57	110 V~/⎓
1	288 58	230 V~/⎓
1	288 59	415 V~
		Delayed undervoltage releases
1	288 62	110 V~/⎓
1	288 63	230 V~/⎓
		Motor operators
		To motorise a DMX, it is necessary to attach, to the motor operators, a release coil (undervoltage or trip on energising) and a closing coil The motor operator is delivered with a spring charge contact
1	288 34	24 V~/⎓
1	288 35	48 V~/⎓
1	288 36	110 V~/⎓
1	288 37	230 V~/⎓
1	288 38	415 V~
		Closing coils
		Enables remote closing of the circuit breaker if the closing spring is charged
1	288 41	24 V~/⎓
1	288 42	48 V~/⎓
1	288 43	110 V~/⎓
1	288 44	230 V~/⎓
1	288 45	415 V~
		Signalling contact for auxiliaries
1	288 16	Signalling contact for shunt trips, undervoltage releases and closing coils

Pack	Cat. No.	Locking
		Key locking in "open" position
1	288 30	Profalux lock (key included) - to be fitted on the frame Cat.No 288 28
1	288 31	Ronis lock (key included) - to be fitted on the frame Cat.No 288 28
1	288 28	2 hole support frame for Ronis or Profalux locks Cat. No. 288 30/31
		Key locking in the draw-out position
		Mounting of the lock on the base 3 positions : inserted/test/draw-out
1	288 32	Profalux lock (key included)
1	288 33	Ronis lock (key included)
		Door locking
		Prevents opening of the door with the circuit breaker closed
1	288 20	Left-hand and right-hand side mounting
		Padlocks in "open" position
1	288 21	Padlocking system for ACB (padlock not supplied)
1	288 26	Padlocking system for shutters (padlock not supplied)

Equipment for conversion of a fixed device into draw-out device

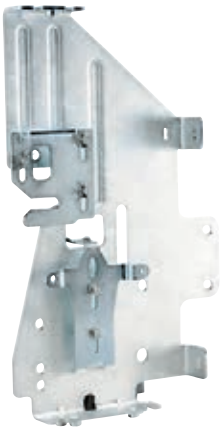
	3P	4P	
			Bases for draw-out device
1	289 02	289 03	For DMX³/DMX³-I frame 1
1	289 04	289 05	For DMX³/DMX³-I frame 2
			Transformation kit for draw-out version
1	289 09	289 10	For DMX³/DMX³-I frame 1
1	289 11	289 12	For DMX³/DMX³-I frame 2

Pack	Cat. No.	Accessories
1	288 25	Rating mis-insertion device Prevents the insertion of a draw-out circuit breaker in an incompatible base
1	288 23	Operations counter Counts total number of operation cycles of the device
1	288 14	Contact "ready to close" with charged springs
1	288 15	Set of additional signalling contacts
1	288 22	Door sealing IP 40
1	288 79	Lifting plate

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DMX³ 2500 and 4000 NEW
Equipment for ATS (Auto Transfer Switch)

261 93


288 64

Technical characteristics (p. 9)

Pack	Cat. No.	Automation control unit
		For setting the conditions for supply inversion, generator on/off, status acquisition for DMX and DPX circuit-breakers, open/closed Power supply: 230 V~ and 12-24-48 V⎓ Connection by plug-in terminals
1	261 93	Standard unit
1	261 94	Communicating unit, enabling data transmission (RS 485 port)

Pack	Cat. No.	Equipment for ATS
		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 Supplied complete with cable set (cable length to be specified according to every configuration)
1	288 64	Interlock for DMX³ frame 1
1	288 65	Interlock for DMX³ frame 2

Pack	Cat. No.	Cable interlock
1	289 20	Type 1 (2600 mm)
1	289 21	Type 2 (3000 mm)
1	289 22	Type 3 (3600 mm)
1	289 23	Type 4 (4000 mm)
1	289 24	Type 5 (4600 mm)
1	289 25	Type 6 (5600 mm)

DMX³ 2500 and 4000 NEW
Rear terminals

288 84

288 82

288 96

288 94

288 91

xxx xx

Dimensions (p. 6 - 9)

Pack	Cat. No. 3P	Cat. No. 4P	Rear terminals
			For DMX³ frame 1 fixed version
1	288 84	288 85	For flat connection with bars To be fixed onto horizontal rear terminals of the circuit breaker
1	288 82	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.No 288 84/85 according to the number of poles
			For DMX³ frame 1 draw-out version
1	288 96	288 97	For vertical or horizontal connection with bars To be fixed onto plate rear terminals of the circuit breaker
			For DMX³ frame 2 fixed version
1	288 92	288 93	For flat connection with bars To be fixed onto horizontal rear terminals of the circuit breaker
			For DMX³ frame 2 draw-out version
1	288 94	288 95	For vertical or horizontal connection with bars To be fixed onto plate rear terminals of the circuit breaker

Pack	Cat. No. 3P	Cat. No. 4P	Spreaders for DMX³ frame 1 fixed version
			To be fixed onto horizontal rear terminals of the circuit breaker
1	288 86	288 87	For flat connection with bars
1	288 88	288 89	For vertical connection with bars
1	288 90	288 91	For horizontal connection with bars

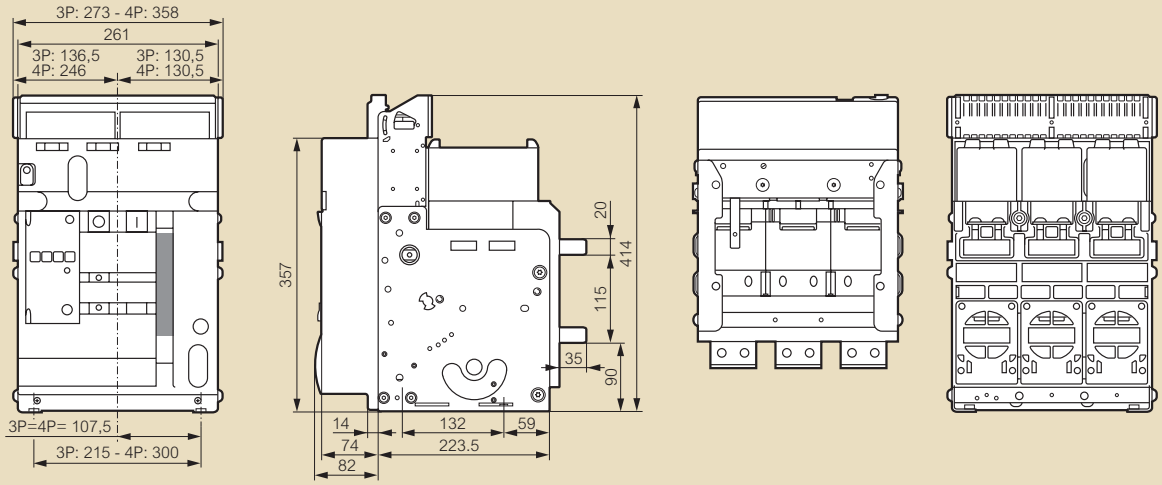
For details on cable interlock and ATS (Auto Transfer Switch), please consult us

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

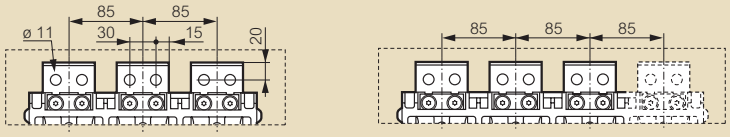
DMX³ 2500 and DMX³-I 2500 - frame 1

Dimensions

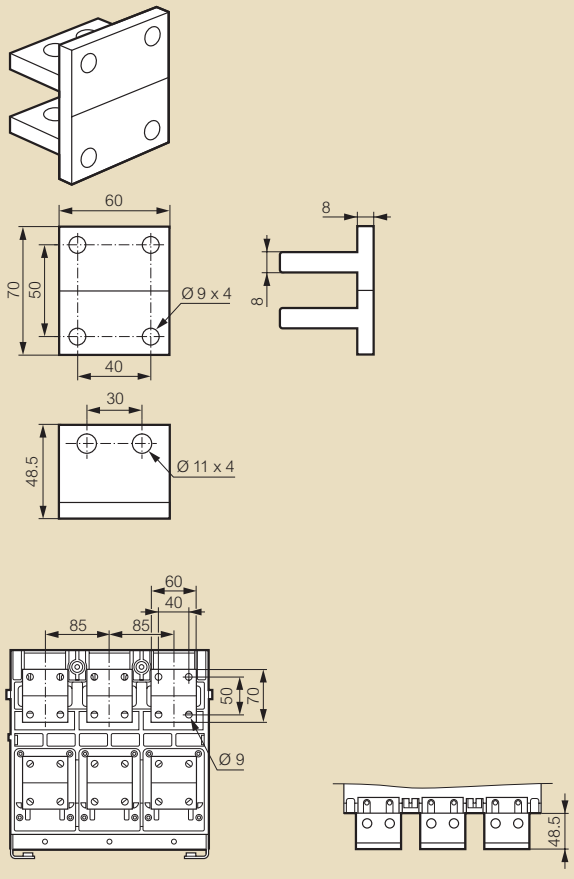
■ Fixed version - frame 1



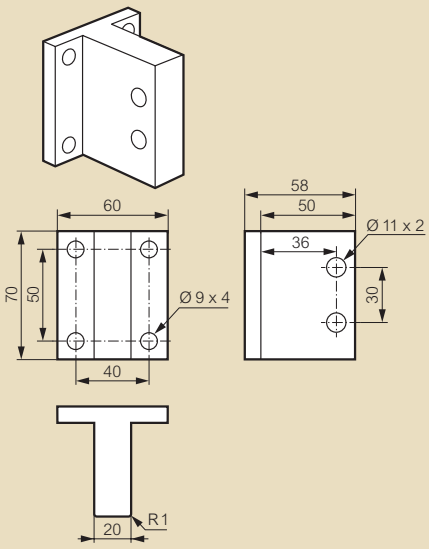
Rear terminals fixed version 800 - 2500 A



Rear terminals for flat connection with bars
Cat. Nos 288 84/85



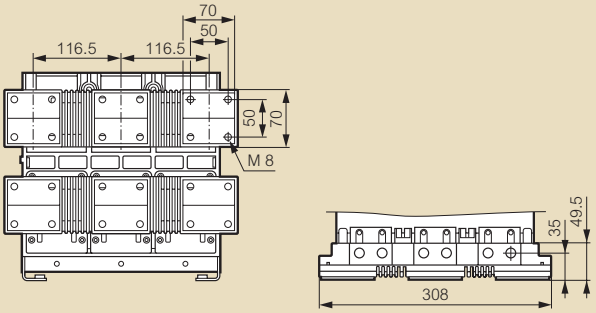
Rear terminals for vertical connection with bars
Cat. Nos 288 82/83



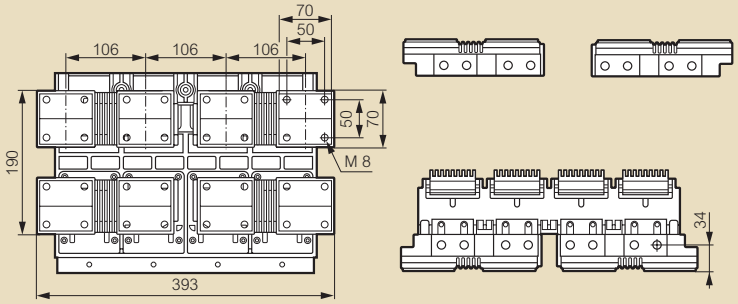
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

■ Fixed version - frame 1 (continued)

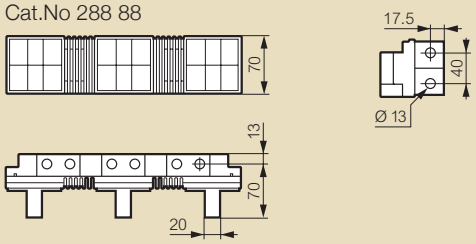
Spreaders for flat connection with bars
Cat.No 288 86



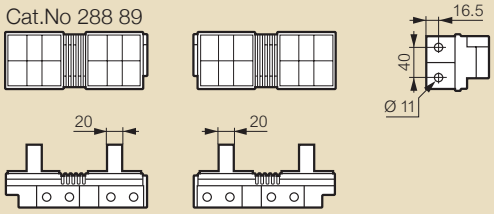
Cat.No 288 87



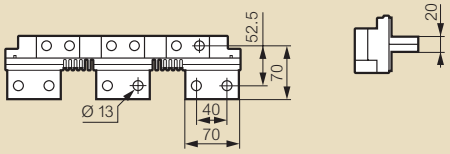
Spreaders for vertical connection with bars
Cat.No 288 88



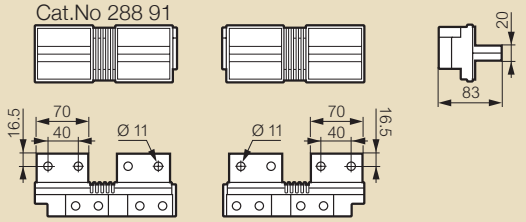
Cat.No 288 89



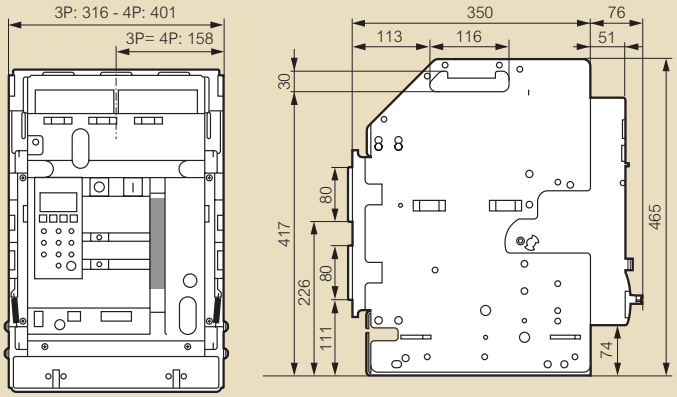
Spreaders for horizontal connection with bars
Cat.No 288 90



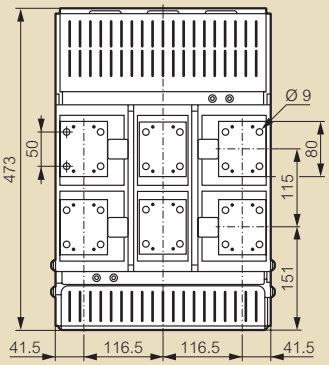
Cat.No 288 91



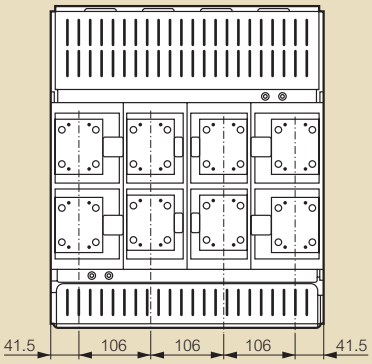
■ Draw-out version - frame 1

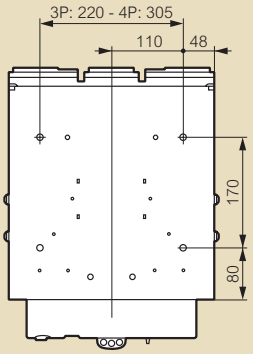


3 P rear view

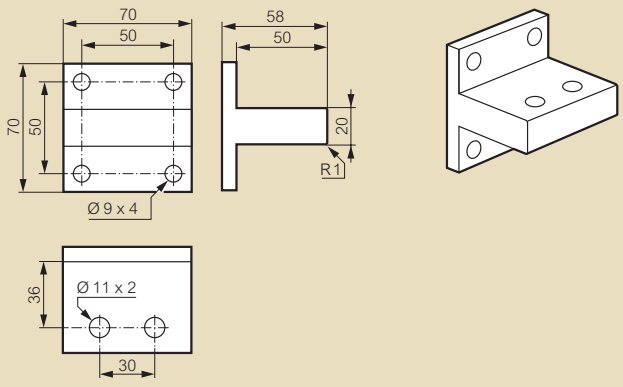


4 P rear view





Rear terminals for vertical or horizontal connection with bars
Cat. No. 288 96/97

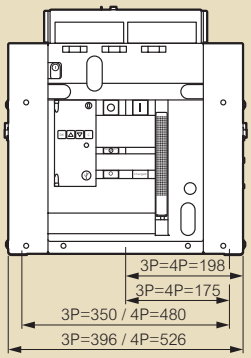


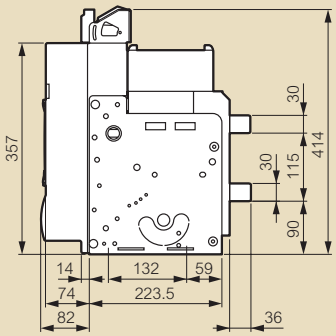
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

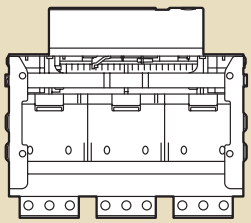
DMX³ 2500, DMX³-I 2500, DMX³ 4000 and DMX³-I 4000 - frame 2

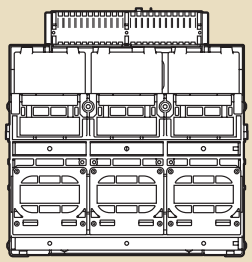
Dimensions

■ Fixed version - frame 2



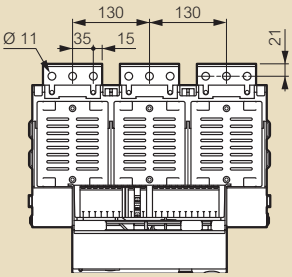




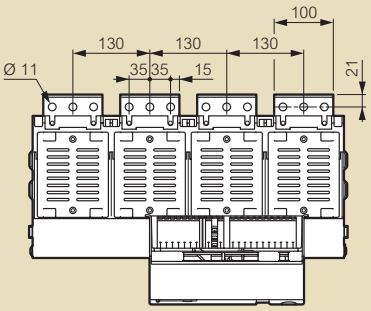


Rear terminals fixed version 3200 - 4000 A

3P version

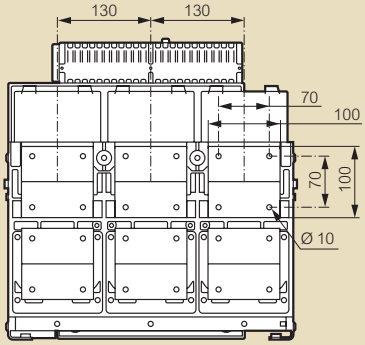


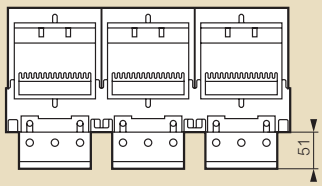
4P version



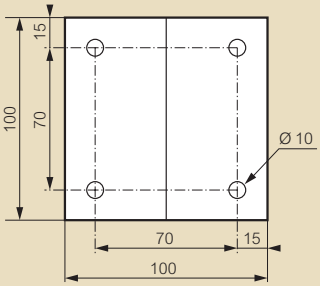
Rear terminals for flat connection with bars

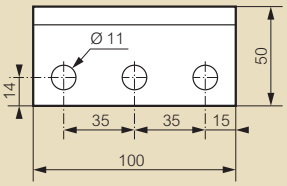
Cat. No 288 92

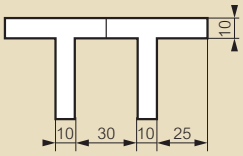




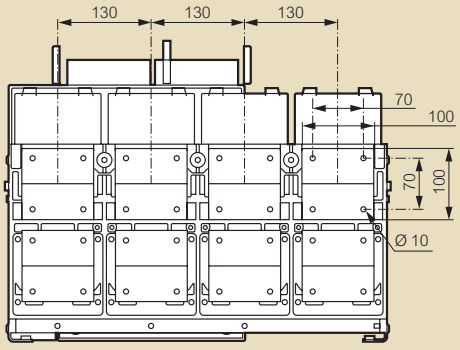
Cat. Nos 288 92/93

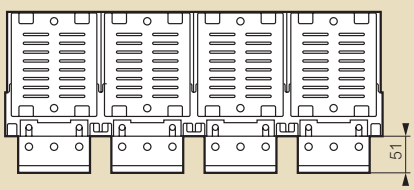






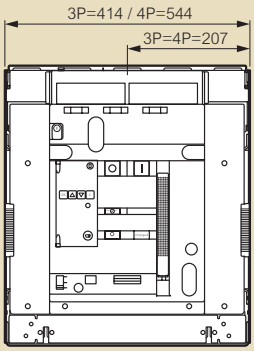
Cat. No 288 93

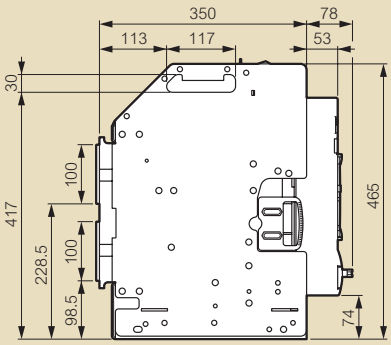




Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

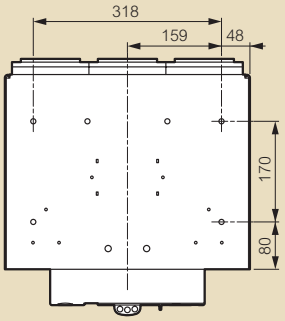
■ Draw-out version - frame 2

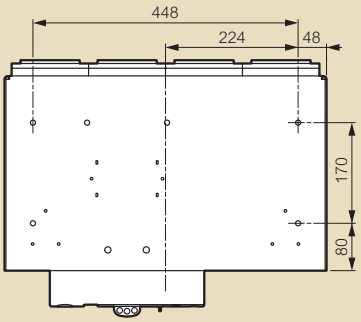




3 P top view

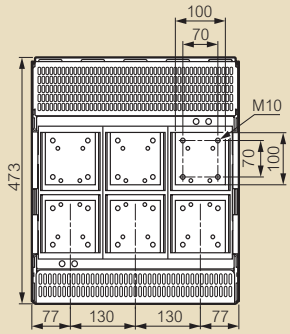
4 P top view

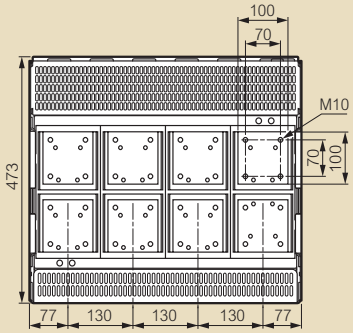




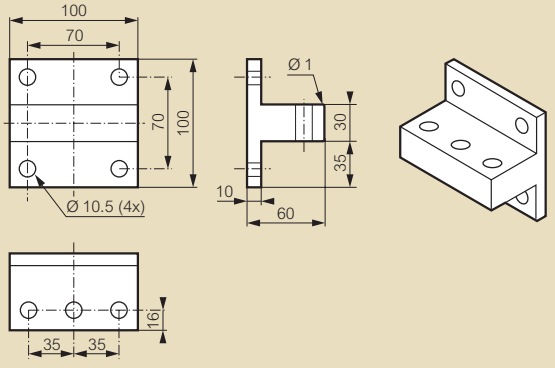
3 P rear view

4 P rear view





Rear terminals for vertical or horizontal connection with bars
Cat. No. 288 94/95



■ Functions

Standard unit Cat.No 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 261 94

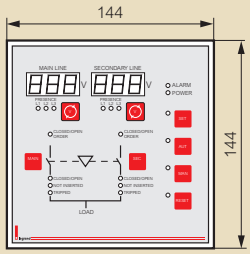
All the standard functions, plus:
- Maximum voltage reading
- Reading of phase rotation direction
- Frequency reading
- Communication: data transmission via the RS 485 port (Modbus protocol)

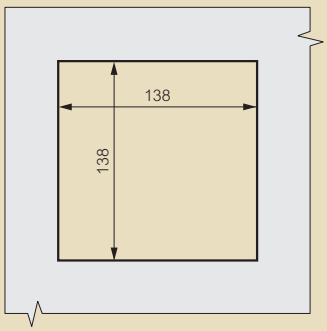
■ Technical characteristics

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

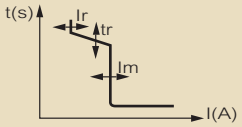




DMX³ 2500 and DMX³ 4000
Electronic protection units

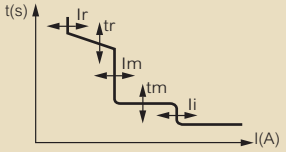
■ Settings of the electronic protection units

MP4 LI
Ir, Im, tr adjustment on front panel



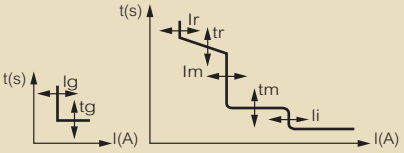
- **Long time delay protection against overloads**
Ir from 0.4 to 1 x In (6 + 6 steps) on two selectors
(0.4 ÷ 0.9, by steps of 0.1 and 0.0 ÷ 0.1, by steps of 0.02)
- **Long delay protection operation time**
tr - at 6 x Ir (4 + 4 steps)
tr = 5-10-20-30 s (MEM ON) 30-20-10-5 s (MEM OFF)
- **Short time delay protection against short circuits**
Im from 1.5 to 10 Ir (9 steps) Im = 1.5-2-2.5-3-4-5-6-8-10 x Ir
- **Neutral protection:** IN = I-II-III-IV x Ir (0-50-100-100 %)

MP4 LSI
Ir, tr, Im, tm, Ii adjustment on front panel



- **Long time delay protection against overloads**
Ir from 0.4 to 1 x In (6 + 6 steps) on two selectors (0.4 ÷ 0.9, by steps of 0.1 and 0.0 ÷ 0.1, by steps of 0.02)
- **Long delay protection operation time**
tr - at 6 x Ir (4 + 4 steps) tr = 5-10-20-30 s (MEM ON) 30-20-10-5 s (MEM OFF)
- **Short time delay protection against short circuits**
Im from 1.5 to 10 x Ir (9 steps) Im = 1.5-2-2.5-3-4-5-6-8-10 x Ir
- **Short time delay protection operation time**
tm from 0 to 0.3 s (4 + 4 steps) tm = 0-0.1-0.2-0.3 s (t=cost), 0.3-0.2-0.1-0.01 s (I2t=cost)
- **Instantaneous protection against very high short circuits**
Ii from 2 to Icw x In (9 steps) Ii=2-3-4-6-8-10-12-15-Icw x In
- **Neutral protection:** IN = I-II-III-IV x Ir (0-50-100-100 %)

MP4 LSIg
Ir, tr, Ii, Ig, tg, Im, tm, adjustment on front panel



- **Long time delay protection against overloads**
Ir from 0.4 to 1 x In (6 +6 steps) on two selectors
(0.4 ÷ 0.9, by steps of 0.1 and 0.0 ÷ 0.1, by steps of 0.02)
- **Long delay protection operation time**
tr - at 6 x Ir (4 + 4 steps) tr = 5-10-20-30 s (MEM ON)
30-20-10-5 s (MEM OFF)
- **Short time delay protection against short circuits**
Im from 1.5 to 10 x Ir (9 steps) Im = 1.5-2-2.5-3-4-5-6-8-10 x Ir
- **Short time delay protection operation time**
tm from 0 to 0.3 s (4 + 4 steps) tm = 0-0.1-0.2-0.3 s (t=constant), 0.3-0.2-0.t01 s (I2t=constant)
- **Instantaneous protection against very high short circuits**
Ii from 2 to Icw x In (9 steps) Ii = 2-3-4-6-8-10-12-15-Icw x In
- **Earth fault current**
Ig from 0.2 to 1 x In (9 steps)
- **Time delay on earth fault tripping**
tg from 0.1 to 1 x In (4 steps)
- **Neutral protection:** IN = I-II-III-IV x Ir (0-50-100-100 %)

■ Selectivity in three-phase network 400 V~

DMX³/DPX

Downstream \ Upstream		DMX³ 2500						DMX³ 4000	
		800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A	4000 A
DPX 125(1)		T	T	T	T	T	T	T	T
DPX 160(1)		T	T	T	T	T	T	T	T
DPX 250 ER(1)		T	T	T	T	T	T	T	T
DPX 250(1) TM and elec.		T	T	T	T	T	T	T	T
DPX 630(1) TM and elec.		T	T	T	T	T	T	T	T
DPX 1600(1) thermal magnetic	630 A	T	T	T	T	T	T	T	T
	800 A		T	T	T	T	T	T	T
	1000 A			T	T	T	T	T	T
	1250 A				T	T	T	T	T
DPX 1600(1) electronic	630 A			T	T	T	T	T	T
	800 A			T	T	T	T	T	T
	1000 A				T	T	T	T	T
	1250 A				T	T	T	T	T
	1600 A					T	T	T	T

(1) All breaking capacity
T: total selectivity, up to downstream circuit breaker breaking capacity according to IEC 60947-2

DMX³/DMX³

Downstream \ Upstream		DMX³							
		800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A	4000 A
DMX³	800 A		T	T	T	T	T	T	T
	1000 A			T	T	T	T	T	T
	1250 A				T	T	T	T	T
	1600 A					T	T	T	T
	2000 A						T	T	T
	2500 A							T	T
	3200 A								T
	4000 A								

T: total selectivity, up to downstream circuit breaker breaking capacity according to IEC 60947-2
Icu of downstream circuit breaker ≤ Icu of upstream circuit breaker

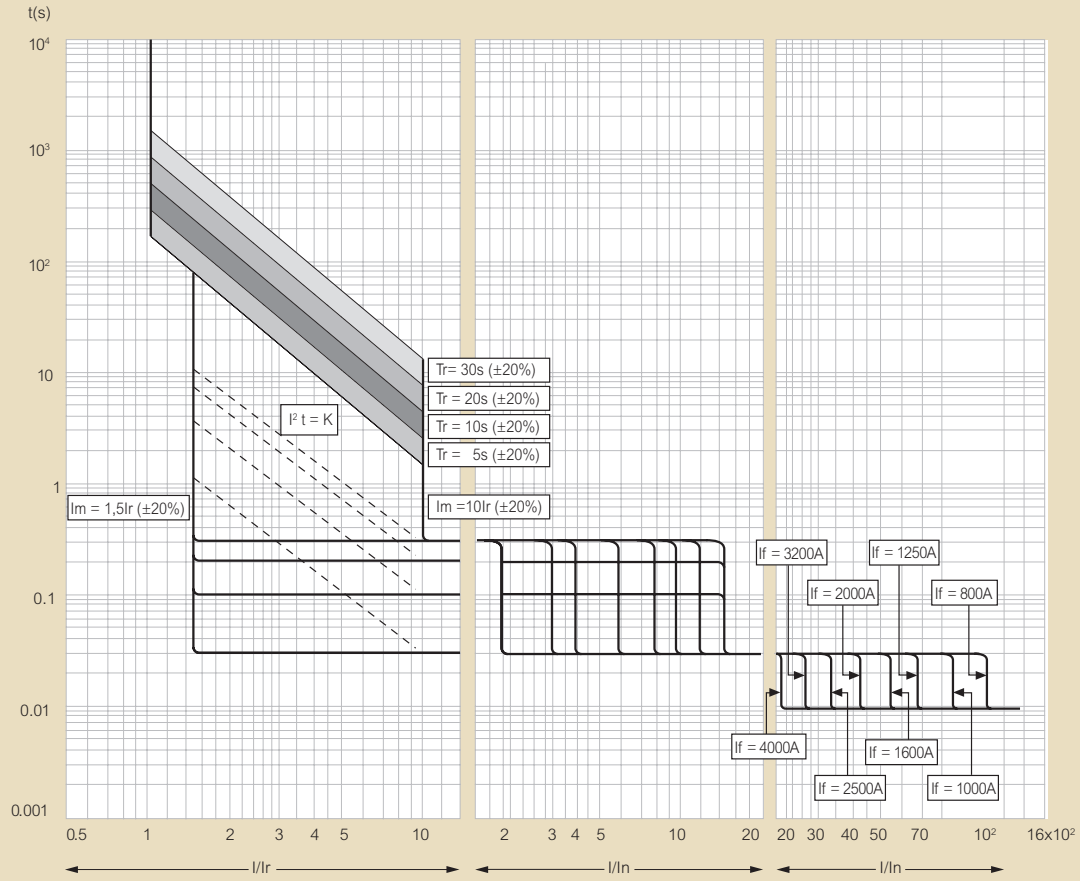
DMX³/DX

	DMX³							
	800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A	4000 A
DX	T	T	T	T	T	T	T	T
DX-H	T	T	T	T	T	T	T	T
DX-D	T	T	T	T	T	T	T	T
DX-L	T	T	T	T	T	T	T	T

T: total selectivity, up to downstream circuit breaker breaking capacity according to IEC 60947-2

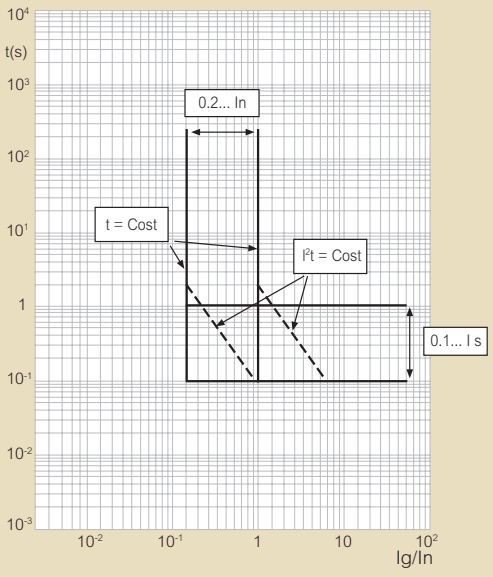
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

■ Tripping curves for MP4 protection units

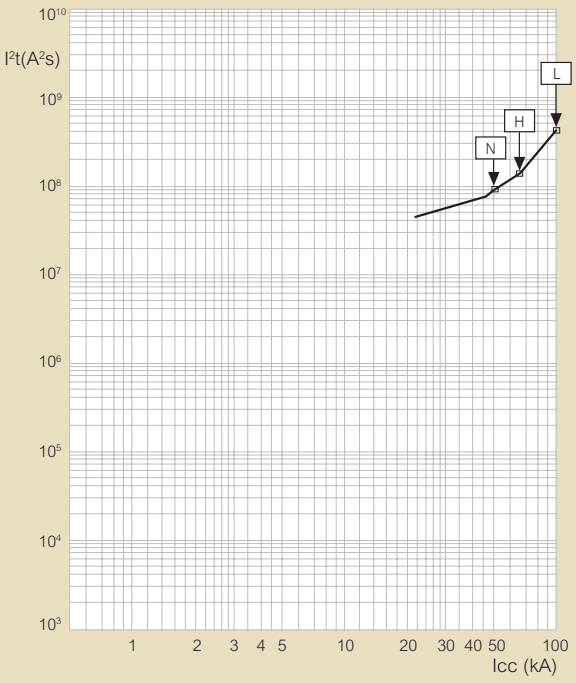


Ir = long time setting current
Tr = long time delay
Im = short time setting current
Tm = short time delay
If = instantaneous intervention current

■ Ground fault tripping curve for MP4 LSIg protection unit



■ Pass-through specific energy characteristic



DMX³ 2500 and 4000
Technical characteristics

■ Technical characteristics

DMX³ 2500

DMX³ acording to IEC 60947-2		DMX³ 2500																	
		800			1000			1250			1600			2000			2500		
		N	H	L	N	H	L	N	H	L	N	H	L	N	H	L	N	H	L
Number of poles		3P - 4P			3P - 4P			3P - 4P			3P - 4P			3P - 4P			3P - 4P		
Rating In (A)		800			1000			1250			1600			2000			2500		
Rated insulation voltage Ui (V)		1000			1000			1000			1000			1000			1000		
Rated impulse withstand voltage Uimp (kV)		12			12			12			12			12			12		
Rated operational voltage (50/60Hz) Ue (V)		690			690			690			690			690			690		
Frame		1		2	1		2	1		2	1		2	1		2	1		2
Ultimate breaking capacity Icu (kA)	230 V~	50	65	100	50	65	100	50	65	100	50	65	100	50	65	100	50	65	100
	415 V~	50	65	100	50	65	100	50	65	100	50	65	100	50	65	100	50	65	100
	500 V~	50	65	100	50	65	100	50	65	100	50	65	100	50	65	100	50	65	100
	600 V~	50	60	75	50	60	75	50	60	75	50	60	75	50	60	75	50	60	75
	690 V~	50	55	65	50	55	65	50	55	65	50	55	65	50	55	65	50	55	65
Service breaking capacity Ics (% Icu)		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Short-circuit making capacity Icm (kA)	230 V~	105	143	220	105	143	220	105	143	220	105	143	220	105	143	220	105	143	220
	415 V~	105	143	220	105	143	220	105	143	220	105	143	220	105	143	220	105	143	220
	500 V~	105	143	220	105	143	220	105	143	220	105	143	220	105	143	220	105	143	220
	600 V~	105	132	165	105	132	165	105	132	165	105	132	165	105	132	165	105	132	165
	690 V~	105	121	143	105	121	143	105	121	143	105	121	143	105	121	143	105	121	143
Short time withstand current Icw (kA) for t = 1s	230 V~	50	65	85	50	65	85	50	65	85	50	65	85	50	65	85	50	65	85
	415 V~	50	65	85	50	65	85	50	65	85	50	65	85	50	65	85	50	65	85
	500 V~	50	65	85	50	65	85	50	65	85	50	65	85	50	65	85	50	65	85
	600 V~	50	60	75	50	60	75	50	60	75	50	60	75	50	60	75	50	60	75
	690 V~	50	55	65	50	55	65	50	55	65	50	55	65	50	55	65	50	55	65
Category of use		B			B			B			B			B			B		
Isolation behavior		YES			YES			YES			YES			YES			YES		
Endurance (cycles)	mechanical	10000			10000			10000			10000			10000			10000		
	electrical	5000			5000			5000			5000			5000			5000		

DMX³ 4000

DMX³ acording to IEC 60947-2		DMX³ 4000					
		3200			4000		
		N	H	L	N	H	L
Number of poles		3P - 4P			3P - 4P		
Rating In (A)		3200			4000		
Rated insulation voltage Ui (V)		1000			1000		
Rated impulse withstand voltage Uimp (kV)		12			12		
Rated operational voltage (50/60Hz) Ue (V)		690			690		
Frame		2			2		
Ultimate breaking capacity Icu (kA)	230 V~	50	65	100	50	65	100
	415 V~	50	65	100	50	65	100
	500 V~	50	65	100	50	65	100
	600 V~	50	60	75	50	60	75
	690 V~	50	55	65	50	55	65
Service breaking capacity Ics (% Icu)		100	100	100	100	100	100
Short-circuit making capacity Icm (kA)	230 V~	105	143	220	105	143	220
	415 V~	105	143	220	105	143	220
	500 V~	105	143	220	105	143	220
	600 V~	105	132	165	105	132	165
	690 V~	105	121	143	105	121	143
Short time withstand current Icw (kA) for t = 1s	230 V~	50	65	85	50	65	85
	415 V~	50	65	85	50	65	85
	500 V~	50	65	85	50	65	85
	600 V~	50	60	75	50	60	75
	690 V~	50	55	65	50	55	65
Category of use		B			B		
Isolation behavior		YES			YES		
Endurance (cycles)	mechanical	10000			10000		
	electrical	5000			5000		

DMX³ - I 2500 and 4000

DMX³ - I acording to IEC 60947-3		DMX³-I 2500				DMX³-I 4000	
		1250	1600	2000	2500	3200	4000
Number of poles		3P - 4P	3P - 4P	3P - 4P	3P - 4P	3P - 4P	3P - 4P
Rating In (A)		1250	1600	2000	2500	3200	4000
Rated insulation voltage Ui (V)		1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage Uimp (kV)		12	12	12	12	12	12
Rated operational voltage (50/60Hz) Ue (V)		690	690	690	690	690	690
Frame		1	1	1	1	2	2
Short-circuit making capacity Icm (kA)	230 V~	105	105	105	105	105	105
	415 V~	105	105	105	105	105	105
	500 V~	105	105	105	105	105	105
	600 V~	88	88	88	88	88	88
	690 V~	63	63	63	63	63	63
Short time withstand current Icw (kA) for t = 1s	230 V~	50	50	50	50	50	50
	415 V~	50	50	50	50	50	50
	500 V~	50	50	50	50	50	50
	600 V~	42	42	42	42	42	42
	690 V~	36	36	36	36	36	36
Isolation behavior		YES	YES	YES	YES	YES	YES
Endurance (cycles)	mechanical	10000	10000	10000	10000	10000	10000
	electrical	5000	5000	5000	5000	5000	5000

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

■ 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 2500	800	1	800	1	800	1	800	1	800	1
	1000	1	1000	1	1000	1	1000	1	1000	1
	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 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

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 2500	800	1	800	1	800	1	800	1	800	1
	1000	1	1000	1	1000	1	1000	1	1000	1
	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 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

■ Derating at different altitudes

Air circuit breaker	DMX³ 2500 and DMX³ 4000			
Altitude H (m)	< 2000	3000	4000	5000
Rated current (at 40°C) In (A)	In	0.98 x In	0.94 x In	0.90 x In
Rated voltage Ue (V)	690	600	500	440
Rated insulation voltage Ui (V)	1000	900	750	600

■ Minimum recommended dimension of busbars per pole

In (A)	Vertical bars (mm)	Horizontal bars (mm)
630	50 x 10	60 x 10
800	60 x 10	60 x 10
1000	80 x 10	80 x 10
1250	80 x 10	2 x 60 x 10
1600	2 x 60 x 10	2 x 80 x 10
2000	2 x 80 x 10	3 x 80 x 10
2500	3 x 80 x 10	3 x 80 x 10
3200	3 x 100 x 10	3 x 100 x 10
4000	4 x 100 x 10	5 x 100 x 10

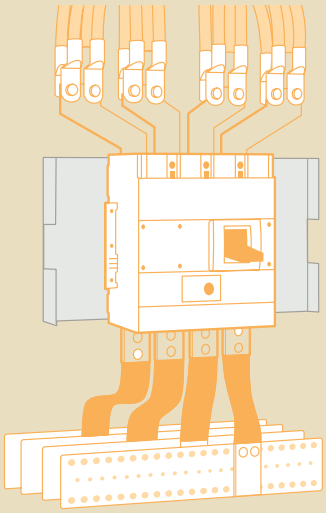
Note: The tables presenting the minimum recommended dimensions of connection plates and bars per pole should be used solely as a general guideline for selecting products. Due to extensive variety of switchgear constructions shapes and conditions that can affect the behavior of the apparatus, the solution used must always be verified

MCCBs: DPX Characteristics

Controlling and protecting circuits up to 1 600 A

The DPX system from 16 to 1 600 A

Simple, set criteria for selecting a DPX



- **Type of release**
  [thermal magnetic or electronic]
  and breaking capacity [16, 25, 36, 50, 70 and 100 kA]
- **Size of unit:**
  125, 160, 250 ER, 250, 630, 1 250, 1 600
- **Version:** fixed, plug-in or draw-out
  [from 250 A]
- **A perfect fit:** in the new XL3 cabinets and enclosures
- **Auxiliaries that are common to the whole range**

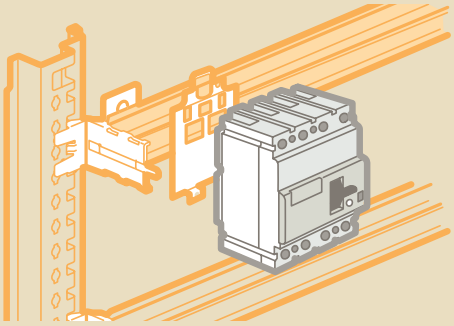
DPX can also be used with earth leakage modules

Legrand Advantages

1. device ⎓ 1 catalogue number
2. Single installation principle irrespective of the device rating or version
3. Mounted under faceplate in standard or optimised distribution solutions

Mounting

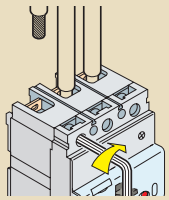
DPX 125, 160 and 250 ER are mounted on 2 rail.
They can also be installed on special plates



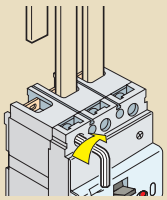
Connection (2 options)

- **Via front terminals**

Connect directly on plate (bar or cable with lug) or via cage terminal (cables) or on a base (for plug-in or draw-out versions)



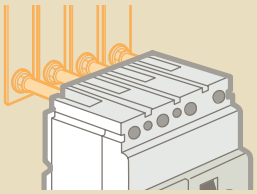
Connection via cables



Connection via bars

- **Via rear terminals**

Connect bars or cables with lugs to the rear terminals mounted directly on the devices (fixed version) or on bases (for plug-in or draw-out versions)



Connection via bars

For products above 2500A please consult us.

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Notes

DPX™ MCCBs
Electrical characteristics

DEVICES		DPX 125				DPX 160			DPX 250 ER		
Type of MCCB		DPX-E 16 kA	DPX 25 kA	DPX 36 kA		DPX 25 kA	DPX 36 kA	DPX 50 kA	DPX 25 kA	DPX 36 kA	DPX 50 kA
	Number of poles	1P	3P - 3P + N/2 - 4P			3P - 3P + N/2 - 4P			3P - 3P + N/2 - 4P		
	Nominal rating (A)	16 - 125	16 - 125			63 - 160	63 - 160	40 - 160	100 - 250		
Breaking capacity (kA) (EN 60947-2 and IEC 60947-2)											
	400 V~	-	16	25	36	25	36	50	25	36	50
	230 V~	16	22	35	40	40	50	65	40	50	65
	Breaking capacity Ics (% Icu)	50	100	50	75	100	75	50	100	75	50
Characteristics of use											
	Nominal frequency	50/60 Hz									
	Maximum rated operating voltage Ue (V)	230 V~	500 V~ - 250 V⎓			500 V~ - 250 V⎓			500 VV~ - 250 V⎓		
	Category of use	A				A			A		
Thermal-magnetic adjustment											
	Thermal	0.7 to 1 In				0.64 to 1 In			0.64 to 1 In		
	Magnetic	fixed				fixed			fixed		
Electronic protection adjustment											
	S1	-				-			-		
		-				-			-		
	S2	-				-			-		
		-				-			-		
Maximum cable cross-section											
	Rigid cable	70 mm²				95 mm²			185 mm²		
	Flexible cable	50 mm²				70 mm²			150 mm²		
	Copper bar and lug width	12 mm(1)				18 mm(1)			22 mm(1)		
	Tightening torque	6 Nm				10 Nm			10 Nm		
Nominal current (In) at 40 °C (A)											
	In (A)	16	25	40	63	100	125	40	63	100	160	100	160	250
	Phase	16	25	40	63	100	125	40	63	100	160	100	160	250
	N	16	25	40	63	100	125	40	63	100	160	100	160	250
	N/2	-	-	-	-	-	63	-	-	-	100	-	-	160
Magnetic threshold (Im) (A)(2)		Fixed									
	In (A)	16	25	40	63	100	125	40	63	100	160	100	160	250
	Phase	480	625	800	950	1250	1250	400	630	1000	1600	1000	1600	2500
	N	480	625	800	950	1250	1250	400	630	1000	1600	1000	1600	2500
	N/2						950				1000			1600

(1) Copper bar only
(2) Trip current for 50/60 Hz. For direct current, multiply by 1.5

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

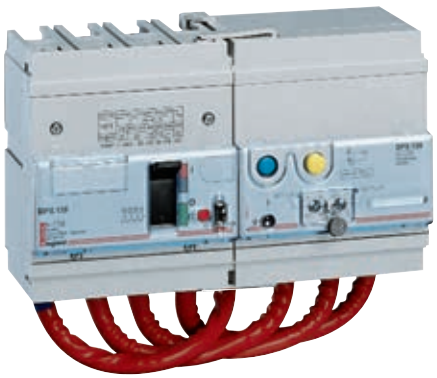
	DPX 250		DPX 250 Electronic trip		DPX 630		DPX 630 Electronic trip		DPX 1250		DPX 1600 Electronic trip	
	DPX 36 kA	DPX-H 70 kA	DPX 36 kA	DPX-H 70 kA	DPX 36 kA	DPX-H 70 kA	DPX 36 kA	DPX-H 70 kA	DPX 36 kA	DPX-H 70 kA	DPX 50 kA	DPX-H 70 kA
	3P - 3P + N/2 - 4P		3P - 4P		3P - 4P		3P - 3P + N/2 - 4P		3P - 4P		3P - 4P	
	40 - 250		40 - 250		250 - 630	320 - 630	250 - 630	400 - 630	800 - 1250		800 - 1600	
	36	70	36	70	36	70	36	70	50	70	50	70
	60	100	60	100	60	100	60	100	80	100	80	100
	100	75	100	75	100	75	100	75	100	75	100	75
	50/60 Hz											
	690 V~ - 250 V⎓		690 V~		690 VV~ - 250 V⎓		690 V~		690 V~ - 250 V⎓		690 V~	
	A		A		A		A: In 630 A B: In 200 to 400 A		A		B	
	0.64 to 1 In		-		0.8 to 1 In		-		0.8 to 1 In		-	
	3.5 to 10 In		-		5 to 10 In		-		5 to 10 In		-	
	-		Ir: 0.4 to 1 In		-		Ir: 0.4 to 1 In		-		Ir: 0.4 to 1 In	
	-		Im: 1.5 / 10 Ir		-		Im: 1.5 / 10 Ir		-		Im: 1.5 / 10 Ir	
	-		Ir: 0.4 to 1 In Tr: 5 to 30 s		-		Ir: 0.4 to 1 In Tr: 5 to 30 s		-		Ir: 0.4 to 1 In Tr: 5 to 30 s	
	-		Im: 1.5 / 10 Ir Tm: 0.01 to 0.3 s		-		Im: 1.5 / 10 Ir Tm: 0.01 to 0.3 s		-		Im: 1.5 / 10 In Tm: 0.01 to 0.3 s	
	185 mm²		185 mm²		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	
	150 mm²		150 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	
	25 mm		25 mm		32 mm		32 mm		50 mm		50 mm	
	15 Nm		15 Nm		15 Nm		15 Nm		20 Nm		20 Nm	
	40 63 100 160 250		40 100 160 250		250 320 400 500 630		250 400 630		800 1000 1250		800 1250 1600	
	40 63 100 160 250		40 100 160 250		250 320 400 500 630		250 400 630		800 1000 1250		800 1250 1600	
	40 63 100 160 250		0 - 50 - 100 % of phase value		320 400 500 630		0 - 50 - 100 % of phase value		800 1000 1250		0 - 50 - 100 % of phase value	
	40 63 63 100 160				250 250 250 320				500 500 630			
	Adjustable											
	63 100 160 250				250 400 630				800 1000 1250			
	220 - 630 350 - 1000 560 - 1600 900 - 2500				1250 - 2500 2000 - 4000 3150 - 6300				4000 - 8000 5000 - 10000 6250 - 12500			
	220 - 630 350 - 1000 560 - 1600 900 - 2500				1250 - 2500 2000 - 4000 3150 - 6300				4000 - 8000 5000 - 10000 6250 - 12500			
	220 - 630 220 - 630 350 - 1000 560 - 1600				800 - 1600 1250 - 2500 2000 - 4000							

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DPX™ 125
Thermal magnetic MCCBs from 16 to 125 A

250 38

250 59



250 45 + 260 13

262 01

Dimensions (p. 31)
Electrical characteristics (p. 16 - 17 and 37 - 45)

MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 29)
Can be used with earth leakage modules or with residual current relays (p. 30)
Supplied complete with:
- cage terminals 70 mm² max.
- terminal shields
Conform to IEC 60947-2
Can be mounted on rail ⎵

DPX-E 125 - fixed version

Thermal release adjustable from 0.7 to 1 In and sealable
Fixed magnetic at 10 In in factory

Breaking capacity Icu 16 kA (230 V~)

Pack	Cat. No. 1P	In
1	250 00	16 A
1	250 01	20 A
1	250 02	25 A
1	250 03	32 A
1	250 04	40 A
1	250 05	50 A
1	250 06	63 A
1	250 07	80 A
1	250 08	100 A
1	250 09	125 A

DPX 125 - fixed version

Breaking capacity Icu 25 kA (400 V~)

Pack	Cat. No. 3P	4P	In
1	250 36	250 44	16 A
1	250 37	250 45	25 A
1	250 38	250 46	40 A
1	250 39	250 47	63 A
1	250 40	250 48	100 A
1	250 41	250 49	125 A

Breaking capacity Icu 36 kA (400 V~)

Pack	Cat. No. 3P	4P	In
1	250 50	250 58	16 A
1	250 51	250 59	25 A
1	250 52	250 60	40 A
1	250 53	250 61	63 A
1	250 54	250 62	100 A
1	250 55	250 63	125 A

Electronic earth leakage modules

Can be fitted onto DPX/DPX-I 125
Adjustable, sealable sensitivity:
0.03 - 0.3 - 1 - 3 A
Adjustable, tripping: 0 - 0.3 - 1 - 3 s
Test push-button
Reset push-button
Remote earth fault signalling contact
Switch for mechanical tests (installation insulation test)
230-500 V~

Mounted side by side (at right-hand side)

Pack	Cat. No. 3P	4P	In
1	260 02	260 03	63 A
1	260 12	260 13	125 A

Rotary handles

Direct on DPX

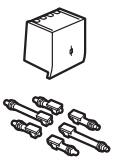
Pack	Cat. No.	
1	262 01	Standard (grey)

Vari-depth handle IP 55

Comprising: connection rod, bracket, drilling template, fixing accessories, door lock mechanism

Pack	Cat. No.	
1	262 75	Standard (grey)
1	262 76	For emergency use (red/yellow)

Accessories



Sealable terminal shields

Pack	Cat. No. 3P	
1	262 05	Set of 2

Rear terminals

Used to connect fixed version with front terminals into fixed version with rear terminal

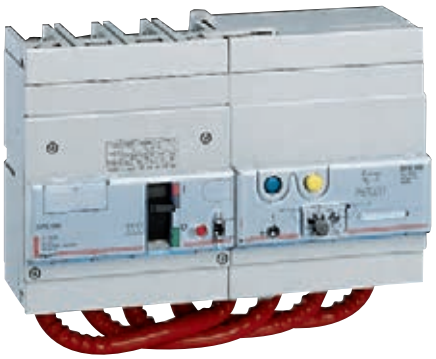
Pack	Cat. No.	
1	263 00	Set of upstream or downstream rear terminals

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DPX™ 160
Thermal magnetic MCCBs from 40 to 160 A

251 25

251 72


251 33 + 260 21

262 11

Dimensions (p. 32)
Electrical characteristics (p. 16 - 17 and 37 - 45)

MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 29)
Can be used with earth leakage modules or with residual current relays (p. 30)
Supplied complete with:
- connection plates for bars
- upstream and downstream connection devices for lugs
- terminal shields

Conform to IEC 60947-2
Can be mounted on rail ⎵

Fixed version

Thermal adjustable from 0.64 to 1 In and sealable
Fixed magnetic at 10 In in factory

Breaking capacity Icu 25 kA (400 V~)

Pack	Cat. No. 3P	In
1	251 23	63 A
1	251 24	100 A
1	251 25	160 A

Pack	Cat. No. 3P + N/2	In
1	251 27	160 A

Breaking capacity Icu 36 kA (400 V~)

Pack	Cat. No. 3P	Cat. No. 4P	In
1	251 49	251 57	63 A
1	251 50	251 58	100 A
1	251 51	251 59	160 A

Breaking capacity Icu 50 kA (400 V~)

Pack	Cat. No. 3P	Cat. No. 4P	In
1	251 62	251 70	40 A
1	251 63	251 71	63 A
1	251 64	251 72	100 A
1	251 65	251 73	160 A

ATS

Mounting plate
For mechanical interlocking of 2 DPX of the same size for use in normal or automatic modes

Pack	Cat. No.
1	264 01

Electronic earth leakage modules

Can be fitted onto DPX/DPX-I 160

Adjustable, sealable sensitivity:
0.03 - 0.3 - 1 - 3 A
Adjustable, tripping: 0 - 0.3 - 1 - 3 s
Test push-button
Reset push-button
Remote earth fault signalling contact
Switch for mechanical tests (installation insulation test)
230-500 V~

Mounted side by side (at right-hand side)

Pack	Cat. No. 3P	Cat. No. 4P	In
1	260 20	260 21	160 A

Rotary handles

Direct on DPX

Pack	Cat. No.	
1	262 11	Standard (grey)

Vari-depth handle IP 55
Comprising: connecting rod, bracket, drilling template, fixing accessories, door lock mechanism

Pack	Cat. No.	
1	262 77	Standard (grey)

Accessories

Sealable terminal shields

Pack	Cat. No. 3P	Cat. No. 4P	
1	262 15	262 16	Set of 2

Cage terminals

Pack	Cat. No.	
		Set of 4
1	262 18	For cable without lug 95 mm² (rigid) or 70 mm² (flexible)
1	262 19	For cable without lug 120 mm² (rigid) or 95 mm² (flexible)

Adaptator for lug

Pack	Cat. No.	
1	262 17	Set of 4 (upstream or downstream) Supplied with insulated shield

Rear terminals
Used to connect a fixed version with front terminals into fixed version with rear terminals

Pack	Cat. No. 3P	
1	263 10	Set of upstream and downstream rear terminals

Mounting accessories and common accessories (p. 21)

DPX™ 250 ER
Thermal magnetic MCCBs from 100 to 250 A

252 55

262 11

Dimensions (p. 33)
Electrical characteristics (p. 16 - 17 and p. 37 - 45)

MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 29)
Can be used with earth leakage modules or with residual current relays (p. 30)
Supplied complete with:
- connection plates for bars
- upstream and downstream connection devices for lugs (max. width 20 mm)
- terminal shields
Can be mounted on rail ⎵
Conform to IEC 60947-2

Pack	Cat. No.		
			Fixed version Thermal adjustable from 0.64 to 1 In and sealable Fixed magnetic at 10 In in factory
			Breaking capacity Icu 36 kA (400 V~)
	3P	**4P**	**In**
1	252 24	252 34	100 A
1	252 25	252 35	160 A
1	252 26	252 36	250 A
			Breaking capacity Icu 50 kA (400 V~)
	3P	**4P**	**In**
1	252 44	252 54	100 A
1	252 45	252 55	160 A
1	252 46	252 56	250 A

Pack	Cat. No.	
		Supply invertor type
		Mounting plate
1	264 02	For mechanical interlocking of 2 DPX of the same size for use in normal or automatic modes

Pack	Cat. No.	
		Rotary handles
		Direct on DPX
1	262 11	Standard (grey)
		Vari-depth handle IP 55 Comprising: connecting rod, bracket, drilling template, fixing accessories, door lock mechanism
1	262 77	Standard (grey)

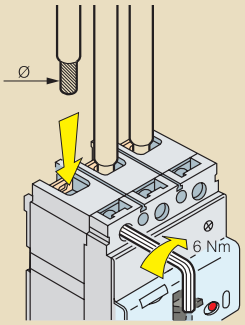
Pack	Cat. No.	
		Accessories
	3P	**Sealable terminal shields**
1	262 85	Set of 2
		Cage terminals
1	262 88 (1)	Set of 4 For cable without lug 185 mm² (rigid) or 150 mm² (flexible) for DPX 250 ER and DPX-IS 250
	3P	**Spreaders**
1	262 90	Set of incoming or outgoing spreaders
		Rear terminals Used to convert the fixed version with front terminals to the fixed version with rear terminals
1	265 10	Set of upstream and downstream rear terminals

(1) Can not be mounted on side by side mounted earth leakage modules 160 A

DPX™ 125, 160 and 250 ER
Connection

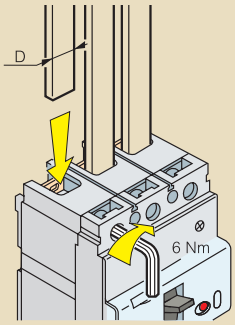
■ Connection

DPX front terminals
Connection with cables



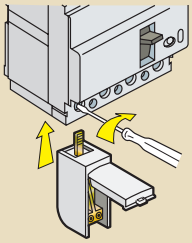
DPX	125	160	250 ER
max. Ø	12	18	18

Connection with bars



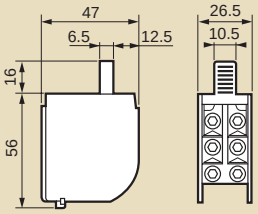
DPX	125	160	250 ER
D	12	18	18

■ Mounting of distribution terminal



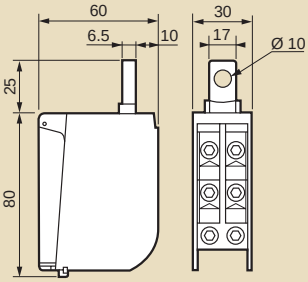
■ Distribution terminal

160 A



Cat. No. 048 67

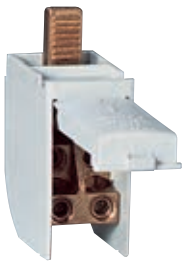
250 A



Cat. No. 048 68

DPX™ 125, 160 and 250 ER
Mounting accessories

262 08



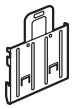
048 67

048 68

252 25 +
DPX250ERLK

262 00

Pack	Cat. No.	Fixing plates
		For fixing devices on Din rail
1	262 08	For DPX 125
1	262 09	For DPX 160/250 ER

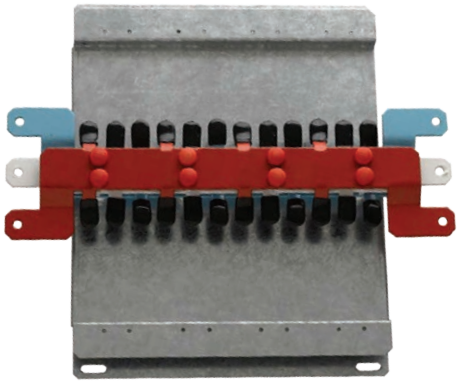


Pack	Cat. No.	Insulated shields
		Insulated shields
		Used to isolated the connection between each pole
1	262 07	Set of 3

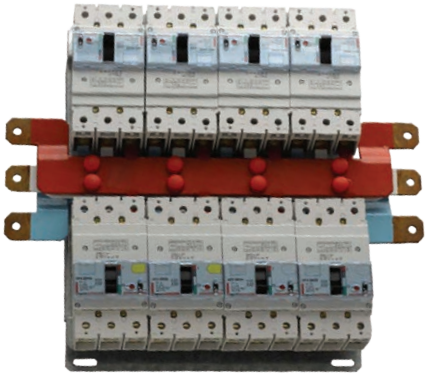
Pack	Cat. No.	Distribution terminals
1	048 67	160 A - 6 outputs 25 mm² flexible - Isc peak 30 kÂ Can be fitted directly onto downstream terminal of DPX 165/160, Vistop 100/160 A and DX H 125 A
1	048 68	250 A - 4 outputs 35 mm² flexible and 2 outputs 25 mm² flexible- Isc peak 36 kÂ Can be fitted directly onto downstream terminal of DPX 250/250 ER and DX-IS 250

Pack	Cat. No.	Padlocks
		For locking in "off" position
1	262 00	For DPX 125
1	262 10	For DPX 160 and DPX 250 ER
1	DPX125LK	For locking MCCB in “on” or “off” position
1	DPX250ERLK	For locking MCCB in “on” or “off” position

High current chassis
For DPX 125 & DPX 250 ER, 630A, 415V, 50Hz rated chassis tested at 36KA for 1s (76.6KA peak) in accordance with AS 3439-1:2002 clause 8.2.3



630A, 24-way high current chassis



630A, 24-way high current chassis fitted with DPX 250 ER MCCB’s

Pack	Cat. No.	High Current Chassis
1	608 241	12 way 630A DPX125 320 x 370 x 54mm
1	608 242	18 way 630A DPX125 396 x 370 x 54mm
1	608 243	24 way 630A DPX125 473 x 370 x 54mm
1	608 244	12 way 630A DPX250ER 345 x 470 x 54mm
1	608 245	18 way 630A DPX250ER 435 x 470 x 54mm
1	608 246	24 way 630A DPX250ER 526 x 470 x 54mm

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DPX™ 250

Thermal magnetic and electronic release MCCBs from 40 to 250 A

253 49

253 52

260 53

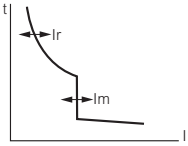
Dimensions (p. 34)
Electrical characteristics (p. 16 - 17 and 37 - 45)

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 29)
Can be used with earth leakage modules or with residual current relays (p. 30)
Supplied complete with:
- connection plates for bars
- upstream and downstream connection devices for lugs (width max. 20 mm)
- terminal shields

Conform to IEC 60947-2
Sealable adjustment

DPX 250 thermal magnetic

Thermal adjustable from 0.64 to 1 In
Magnetic adjustable from 3.5 to 10 In



DPX 250 36 kA
Breaking capacity Icu 36 kA (400 V~)

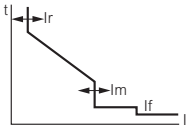
Pack	Cat. No. 3P	Cat. No. 4P	In
1	253 28	253 45	40 A
1	253 29	253 46	63 A
1	253 30	253 47	100 A
1	253 31	253 48	160 A
1	253 32	253 49	250 A

DPX-H 250 70 kA
Breaking capacity Icu 70 kA (400 V~)

Pack	Cat. No. 3P	In
1	253 52	40 A
1	253 53	63 A
1	253 54	100 A
1	253 55	160 A
1	253 56	250 A

DPX 250 electronic release S1

Adjustment of Ir and Im (p. 37)
Instantaneous protection If = 4 kA
Indicator lamp
Minimum current for indicator lamp operation (30 % of In) - green: normal - fixed red: I ≥ 0.9 Ir - flushing red: I ≥ 1.05 Ir
Connector for test unit
Dynamic selectivity
4P version: adjustment of neutral on front panel



DPX 250 36 kA
Breaking capacity Icu 36 kA (400 V~)

Pack	Cat. No. 3P	Cat. No. 4P	In
1	254 01	254 07	40 A
1	254 03	254 09	100 A
1	254 04	254 10	160 A
1	254 05	254 11	250 A

DPX-H 250 70 kA
Breaking capacity Icu 70 kA (400 V~)

Pack	Cat. No. 3P
1	254 13
1	254 15
1	254 16
1	254 17

Electronic earth leakage modules

Can be fitted onto DPX 250
Adjustable, sealable sensitivity:
0.03 - 0.3 - 1 - 3 A
Adjustable, time delay: 0 - 0.3 - 1 - 3 s
Test push-buttons
Reset push-button
Remote earth fault signalling contact
Switch for mechanical tests (installation insulation test)
Mounted underneath

LED version

Monitors the isolation state of the installation via a series of LEDs

Pack	Cat. No. 4P	In
1	260 53	160 A
1	260 57	250 A

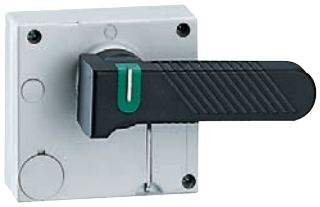
ATS (Auto Transfer Switch)

An ATS is composed of one plate with interlock for 2 devices

Pack	Cat. No.	
1	264 08	Plate for MCCB or trip-free switch fixed version

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DPX™ 250
Equipment and accessories



262 22

262 79

261 30

Pack	Cat. No.	Rotary handles
		Direct on DPX
1	262 22	Standard (grey)
		Vari-depth handle IP 55
		Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism
1	262 79	Standard (black)
		Motor-driven handles
		Front operated
1	261 30	24 V~/⎓
1	261 34	230 V~

Pack	Cat. No.	Accessories
		Insulated shields
1	262 30	Set of 3
	3P	**Sealable terminal shields**
1	262 26	Set of 2 long terminal shields
1	262 28	Set of 2 short terminal shields
		Padlock
1	262 21	For locking in "open" position
		Cage terminals
1	262 35	Set of 4 terminals for cable 185 mm² max. or 150 mm² max. (flexible)
	3P	**Spreaders**
1	262 33	Set of spreaders incoming or outgoing
		Distribution terminal 250 A
1	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 250/250 ER and DPX-IS 250
1	265 27	Rear orientated terminals
1	264 08	Metal plate for mechanical interlock

DPX™ 630

Thermal magnetic and electronic release MCCBs from 250 to 630 A

255 40

255 38

256 07

Green indicator lamp (only S1): normal operation minimum current for indicator lamp operation (30 % of In)

Fixed red indicator lamp: ≥ 0.9 Ir

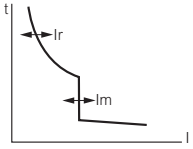
Flushing red indicator lamp: I ≥ 1.05 Ir connector for test unit

Dimensions (p. 35)
Electrical characteristics (p. 16 - 17 and 37 - 45)

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (p. 29)
Can be used with earth leakage modules or with residual current relays (p. 30)
Supplied complete with:
- connection plates for bars
- terminal shields
Conform to IEC 60947-2 - Sealable adjustment

DPX 630 thermal magnetic

Thermal adjustable from 0.8 to 1 In
Magnetic adjustable from 5 to 10 In



DPX 630 36 kA
Breaking capacity Icu 36 kA (400 V~)

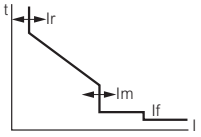
Pack	Cat. No. 3P	Cat. No. 4P	In
1	255 21	255 36	250 A
1	255 22	255 37	320 A
1	255 23	255 38	400 A
1	255 25	255 39	500 A
1	255 24	255 40	630 A

DPX-H 630 70 kA
Breaking capacity Icu 70 kA (400 V~)

Pack	Cat. No. 3P	Cat. No. 4P	In
1	255 43	255 58	400 A
1	255 45	255 59	500 A
1	255 44	255 60	630 A

DPX 630 electronic release S1

Adjustment of Ir, Im, (p. 37)
Instantaneous protection If = 5 kA
Green indicator lamp
Connector for test unit
Dynamic selectivity
4P version: ajustement of neutral on front panel



DPX 630 36 kA
Breaking capacity Icu 36 kA (400 V~)

Pack	Cat. No. 3P	Cat. No. 4P	In
1	256 02	256 06	400 A
1	256 03	256 07	630 A

DPX-H 630 70 kA
Breaking capacity Icu 70 kA (400 V~)

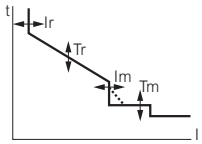
Pack	Cat. No. 3P	Cat. No. 4P	In
1	256 10	256 14	400 A
1	256 11	256 15	630 A

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DPX™ 630
Thermal magnetic and electronic release MCCBs from 250 to 630 A (continued)

256 35

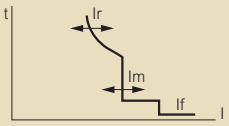
260 63

Pack	Cat.No.		
			DPX 630 electronic release S2
			Adjustment of Ir, Im, Tr, Tm (opposite) Instantaneous protection If = 5 kA Green indicator lamp Connector for test unit Logic and dynamic selectivity 4P version: adjustement of neutral on front panel
			
			DPX 630 36 kA
			Breaking capacity Icu 36 kA (400 V~)
	3P	4P	In
1	256 26	256 30	250 A
1	256 27	256 31	400 A
1	256 28	256 32	630 A
			DPX-H 630 70 kA
			Breaking capacity Icu 70 kA (400 V~)
			In
1	256 35	256 39	400 A
1	256 36	256 40	630 A
			DPX-L 630 100 kA
			Breaking capacity Icu 100 kA (400 V~)
			In
1	256 43	256 47	400 A
1	256 44	256 48	630 A

			Earth leakage modules
			Can be fitted onto DPX/DPX-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
1	260 60	260 61	400 A
1	260 64	260 65	630 A
			LED version
			Monitors the isolation state of the installation via a series of LEDs
		4P	In
1		260 63	400 A
1		260 67	630 A

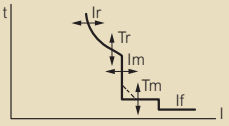
■ Performance data

S1 - Adjustment of Ir, Im



• Long delay protection against overloads with an adjustable threshold based on the rms value of the current:
Ir = 0.4 - 0.5 - 0.7 - 0.8 - 0.95 - 1 x In (8 steps)
Tr = 5 s (fixed at 6 tr)
• Short delay protection against short-circuits with an adjustable Im threshold:
Im = 1.5 - 2 - 3 - 4 - 5 - 6 - 8 - 10 x Ir (8 steps)
Tm = 0.05 s (fixed)
• Instantaneous protection
if with fixed threshold: If = 5 kA

S2 - Adjustment of Ir, Tr, Im, Tm



• Long delay protection against overloads with an adjustable threshold based on the rms value of the current:
Ir = 0.4 - 0.5 - 0.7 - 0.8 - 0.9 - 0.95 - 1 x In (8 steps)
Tr = 5 - 10 - 20 - 30 s (at 6 Ir) (4 steps)
• Short delay protection against short-circuits with an adjustable Im threshold:
Im = 1.5 - 2 - 3 - 4 - 5 - 6 - 8 - 10 x Ir (8 steps)
Tm = 0 - 0.1 - 0.2 - 0.3 s (4 steps)
Tm = 0.01 - 0.1 - 0.2 - 0.3 s at 12 x Ir (I2 t constant) (4 steps)
• Instantaneous protection against short-circuits
with fixed threshold: If = 5 kA

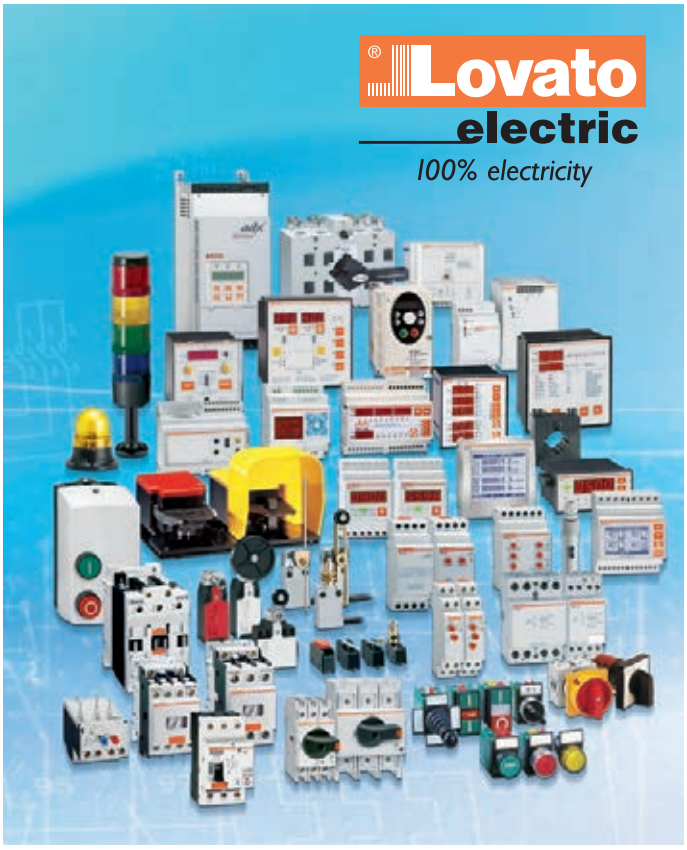
DPX™ 630
Equipment and accessories

262 50

262 51

262 48

Pack	Cat. No.	
		Supply invertor type
		Factory assembled
		A supply invertor type is composed of one plate with interlock for 2 devices
1	264 09	Plate for MCCB or trip-free switch fixed version
		Rotary handles
		Direct on DPX
1	262 41	Standard (grey)
		Rotary handles
		Vari-depth handle IP 55
		Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism
1	262 81	Standard (grey)
		Motor-driven handles
		Front operated
1	261 40	24 V~/⎓
1	261 44	230 V~
		Accessories
		Insulated shields
1	262 30	Set of 3
	3P | 4P	**Sealable terminal shields**
1	262 44 | 262 45	Set of 2
		Padlock
1	262 40	For locking in "OPEN" position
1	DPX630LK	For locking MCCB in “on” or “off” position
1	DPX630LK	For locking in “on” or “off” position
		Cage terminals
1	262 50	Set of 4 terminals for cable 300 mm² max. (rigid) or 240 mm² max. (flexible)
1	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	262 48 | 262 49	Set of incoming or outgoing spreaders



Control solutions for industry

- Motor protection circuit breakers
- Switch disconnectors
- Contactors
- Motor Protection relays
- Electromechanical starters
- Control and signalling units
- Limit, micro and foot switches
- Rotary cam switches
- Rotary cam switches
- Motor contractors
- Time Relays
- Protection relays
- Level control relays
- Earth leakage relays
- Metering instruments and current transformers
- Soft starters
- AC motor drives
- Automatic power factor controllers
- Automatic battery chargers
- Automatic transfer switch controllers
- Programmable logic relays
- Switching power supplies

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DPX™ 1250 - 1600

Thermal magnetic and electronic release MCCBs from 800 to 1600 A

258 04

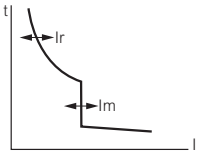
257 08

Dimensions (p. 36)
Electrical characteristics (p. 16 - 17 and 37 - 45)

Moulded case MCBs for switching, control isolation and protection of low voltage electrical lines
Can be fitted with auxiliaries (integrated terminal blocks)
Can be used with earth leakage modules or with residual current relays (p. 30)
Supplied complete with:
- connection plates for bars
- terminal shields
Conform to IEC 60947-2
Fixed version - Sealable adjustment

DPX 1250 thermal magnetic

Thermal adjustable from 0.8 to 1 In
Magnetic adjustable from:
5 to 10 In



DPX 1250 50 kA
Breaking capacity Icu 50 kA (400 V~)

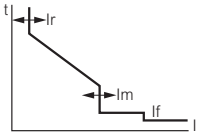
Pack	Cat.No. 3P	Cat.No. 4P	In
1	258 02	258 09(1)	800 A
1	258 03	258 10(1)	1000 A
1	258 04	258 11(1)	1250 A

DPX-H 1250 70 kA
Breaking capacity Icu 70 kA (400 V~)

Pack	Cat.No. 3P	Cat.No. 4P	In
1	258 16	258 23(1)	800 A
1	258 17	258 24(1)	1000 A
1	258 18	258 25(1)	1250 A

DPX 1600 electronic release S1

Adjustment of Ir, Im
Instantaneous protection If = 20 kA
Indicator lamp
Minimum current for indicator lamp operation (30 % In): green:
normal;
fixed red: I ≥ 0.9 Ir;
flashing red: I ≥ 1.05 Ir
Connector for test unit
Dynamic selectivity



DPX 1600 50 kA
Breaking capacity Icu 50 kA (400 V~)

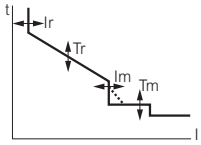
Pack	Cat.No. 3P	Cat.No. 4P	In
1	257 02	257 06(2)	800 A
1	257 03	257 07(2)	1250 A
1	257 04	257 08(2)	1600 A

DPX-H 1600 70 kA
Breaking capacity Icu 70 kA (400 V~)

Pack	Cat.No. 3P	Cat.No. 4P	In
1	257 10	257 14(2)	800 A
1	257 11	257 15(2)	1250 A
1	257 12	257 16(2)	1600 A

DPX 1600 electronic release S2

Adjustment of Ir, Im, Tr, Tm
Instantaneous protection If = 20 kA
Indicator lamp
Minimum current for indicator lamp operation (30 % In): green:
normal;
fixed red: I ≥ 0.9 Ir;
flashing red: I ≥ 1.05 Ir
Connector for test unit
Logic and dynamic selectivity



DPX 1600 50 kA
Breaking capacity Icu 50 kA (400 V~)

Pack	Cat.No. 3P	Cat.No. 4P	In
1	257 26	257 30(2)	800 A
1	257 27	257 31(2)	1250 A
1	257 28	257 32(2)	1600 A

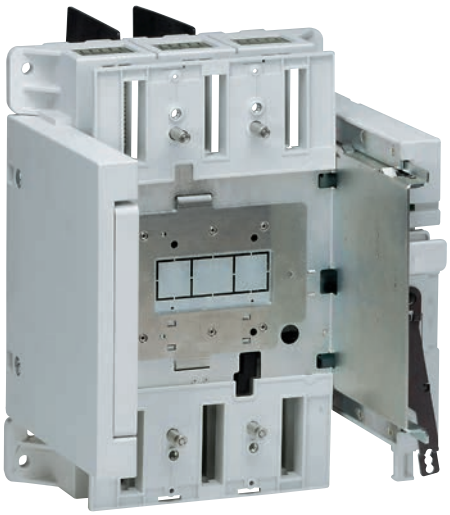
DPX-H 1600 70 kA
Breaking capacity Icu 70 kA (400 V~)

Pack	Cat.No. 3P	Cat.No. 4P	In
1	257 34	257 38(2)	800 A
1	257 35	257 39(2)	1250 A
1	257 36	257 40(2)	1600 A

For DPX-L 1250 100 kA and Sg electronic release version, please consult us

(1) Neutral without protection
(2) Neutral settings 0 - 0.5 - 1 N (0 - 50% - 100% Neutral)

DPX™ 1250 - 1600
Equipment and accessories


265 84 (supplied assembled)

262 60

262 70

262 67 + 262 68

Pack	Cat.No.	Draw-out version
		A DPX draw-out version is a plug-in DPX fitted with a "Debro-lift" mechanism which can be used to withdraw the DPX while keeping it on its base
		Draw-out base
		Base for DPX 1600 supplied with "Debro-lift" assembled a rigid slide and handle for drawing-out
	3P / 4P	
1	265 82 / 265 83	Front terminals
1	265 84 / 265 85	Rear terminals
		Key lock for "Debro-lift" mechanism
		Enable locking of DPX in drawn-out position
1	265 76	One key Ronis for DPX only
1	265 80	Two key Ronis (one key supplied) for motorised DPX or with rotary handle
		Accessories for "Debro-lift" mechanism
1	265 75	Isolated handle for drawing-out
1	265 74	Signalling contact (plugged-in/drawn-out)

		ATS (Auto Transfer Switch)
		Auto Transfer Switch is composed of one plate with interlock for 2 devices
1	264 10	Plate for MCCBs or trip-free switch fixed version
1	264 05	Plate for MCCBs or trip-free switch plug-in and draw-out version

		Rotary handles
		Direct on DPX
1	262 61	Standard (black)
		Vari-depth handle IP 55
		Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism
1	262 83	Standard (black)
1	262 84	For emergency use (red/yellow)
		Locking accessories
1	262 92	Eurolocks for vari-depth handle
1	262 93	Profalux for vari-depth handle
1	262 94	Ronis for vari-depth handle
1	262 25	Eurolocks for direct handle

Pack	Cat.No.	Motor-driven handles
		Factory assembled
		Front operated
1	261 54	230 V~
		Customer assembled
		Front operated
1	261 24	24 V~/⎓
1	261 25	48 V~/⎓
1	261 26	110 V~/⎓
1	261 23	230 V~/⎓ for ratings up to 1250 A (In ≤ 1250 A)
1	261 27	230 V~/⎓ for 1600 A (In ≤ 1600 A)
		Locking accessory
1	261 59	Ronis locking accessory

		Accessories
		Insulated shields
		Used to isolate the connections between each pole
1	262 66	Set of 3
	3P / 4P	**Sealable terminal shields**
1	262 64 / 262 65	Set of 2
		Padlock
1	262 60	For locking in "open" position
		Cage terminals
1	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	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	262 67	Short terminals for 630 - 1250 A (2 bars max. per pole)
1	262 68	Long terminals for 1600 A (3 bars max. per pole)
	3P / 4P	**Spreaders**
1	262 73 / 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	263 80 / 263 82	Short terminals
1	263 81 / 263 83	Long terminals

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

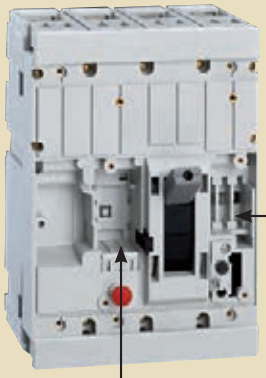
261 85

261 94

Pack	Cat. No.		Auxiliary contact or fault signal
1	261 60		For signalling the state of the contacts or opening of the MCCB on a fault For DPX/DPX-I/DPX-IS Changeover switch 3 A - 240 V~
			Releases
			Allow remote tripping of a DPX
			Shunt releases
			For DPX-IS and DPX
			Shunt inrush power 300 VA
1	261 64		Coil voltage 24 V~/⎓
1	261 67		Coil voltage 230 V~/⎓
	For DPX 125 DPX-IS 250, 630	For DPX 160, 250ER DPX-IS 800, 1000, 1250, 1600	**Undervoltage releases**
			For DPX-IS/DPX-I and DPX
			Undervoltage power consumption 5 VA
1	261 70	261 80	Coil voltage 24 V⎓
1	261 71	261 81	Coil voltage 24 V~
1	261 73	261 83	Coil voltage 230 V~
			Time-lag (ms) undervoltage releases
			Allow remote tripping of a DPX Prevent false tripping in the event of AC supply microbreaks Require a time-lag module connected to the undervoltage releases below
1	261 90		Time-lag modules 230 V~ (Number of modules: 3)
1	261 75		Undervoltage releases For DPX/DPX-I 125, DPX -IS 250,630
1	261 85		Undervoltage releases For DPX/DPX-I 160, 250ER, and DPX -IS 1600

1	261 94	**Automatic transfer switch controller** Automatic transfer switch controller, with RS485 ports and real time clock Size: 144 x 144 mm Weight: 0.900 kg

DPX™ auxiliaries



Auxiliary contact or fault signal

A single Cat. No. 261 60 auxiliary contact or fault signal

Under-voltage releases

Shunt releases

Time-lag under-voltage releases

Max. number of contacts per DPX-IS device

	Device	Auxiliary contact AC	EBAC	FS	Shunt release or undervoltage release
Without release	DPX-IS 250	1	2	–	–
Without release	DPX-IS 630	2	2	–	–
With release	DPX-IS 1600	3	–	1	1

AC = auxiliary contact
EBAC = "early" auxiliary contact
FS = break on trip contact

Max. number of contacts per DPX device

Device	Auxiliary contact AC	FS	Shunt release or undervoltage release
DPX 125	1	1	1
DPX 160	1	1	1
DPX 250 ER	1	1	1

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Residual current relay and coils

260 88

260 93 coil for use with relay

260 98

Add residual current protection to DPX trip-free switches and DPX MCCBs equipped with release

Pack	Cat. No.	Residual current relay	Number of modules
		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	
1	260 88	Residual current relay to clip on rail 2	2

		Coils
		For use with residual current relay Cat. No. 260 88 1 coil per DPX
1	260 92	Coil Ø35 mm
1	260 93	Coil Ø80 mm
1	260 94	Coil Ø110 mm
1	260 95	Coil Ø140 mm
1	260 96	Coil Ø210 mm
1	260 97	Coil Ø150 mm - open
1	260 98	Coil Ø300 mm - open

Viking 3 disconnector block for measurement 1 connection

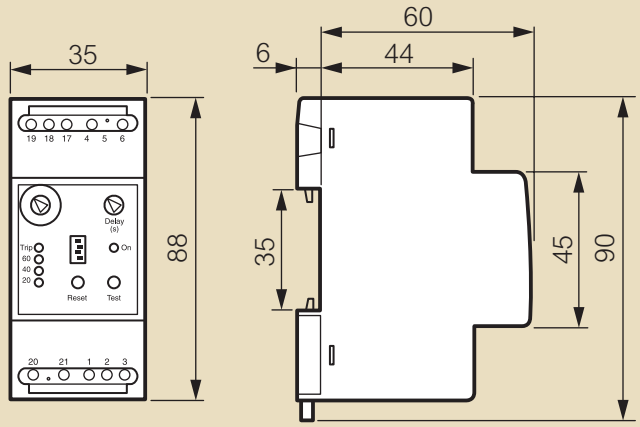
With its accessories, allows intervention (measurement, maintenance, etc.) on a current, voltage and power measuring circuit by keeping the current transformer secondary circuit closed

		Colour	Nominal cross section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Pitch (mm)
25	371 92	Grey	4	0.25 to 4	0.25 to 4	8

Residual current relay and coils

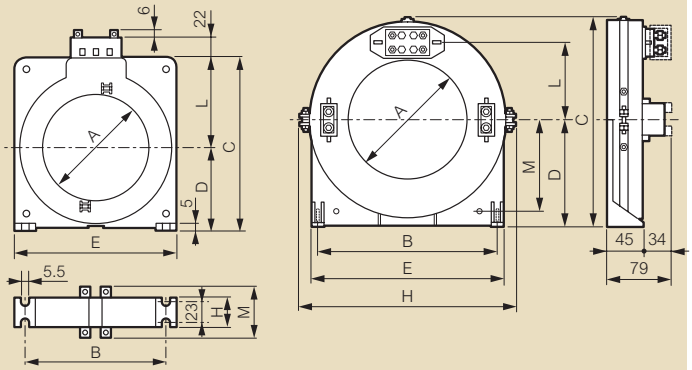
■ Residual current relay

Cat. No. 260 88



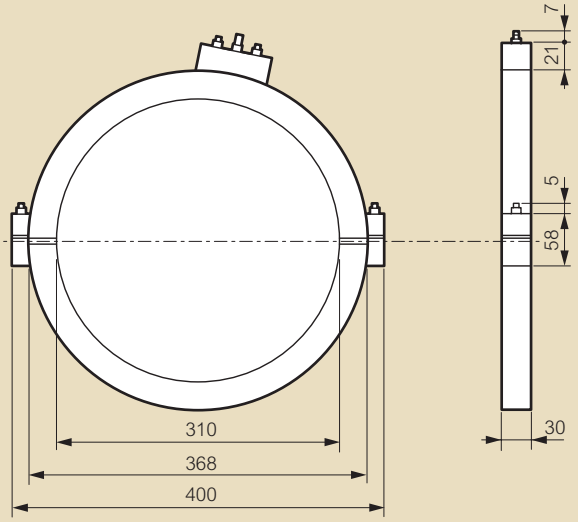
■ Coils

Cat. No. 260 92/93/94/95/96 Cat. No. 260 97



Cat. No.	A	B	C	D	E	H	L	M
260 92	35	75	85	42	92	36	43	56
260 93	80	108	132	67	125	36	65	56
260 94	110	148	170	86	165	36	84	56
260 95	140	177	206	104	200	36	102	56
260 96	210	270	295	150	290	44	145	64
260 97	150	225	259	133	245	275	95	113

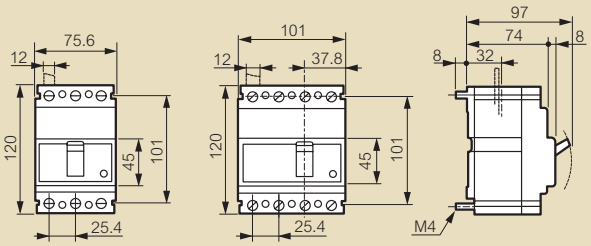
Cat. No. 260 98



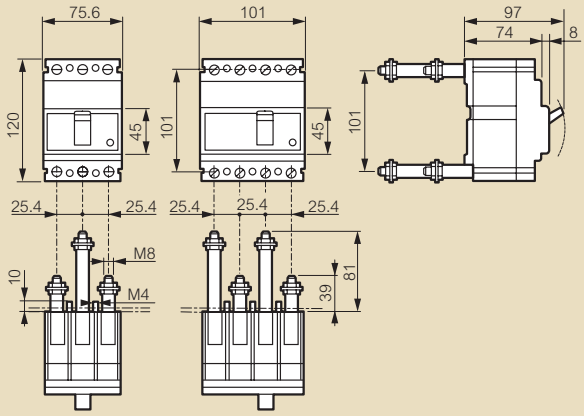
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

■ Dimensions

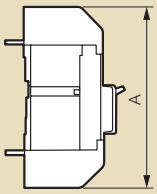
Fixed version, front terminals



Fixed version, rear terminals

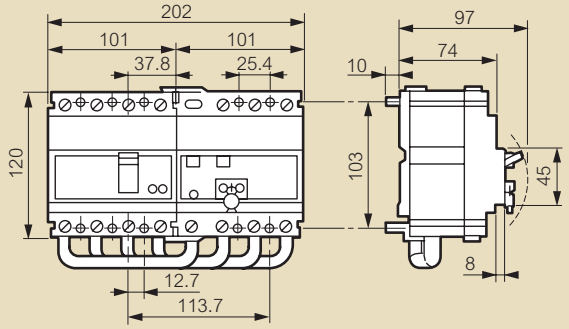


Terminal shields

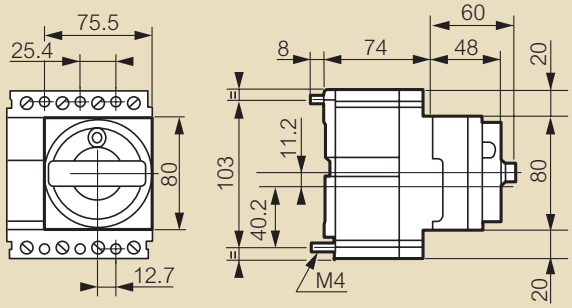


	A
DPX 125	170
DPX 125 + earth leakage module mounted underneath	260

Fixed version, front terminals with earth leakage module mounted side by side (1)

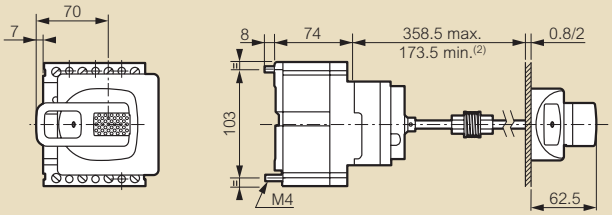


Rotary handle-direct on DPX



Rotary handle-vari-depth on door

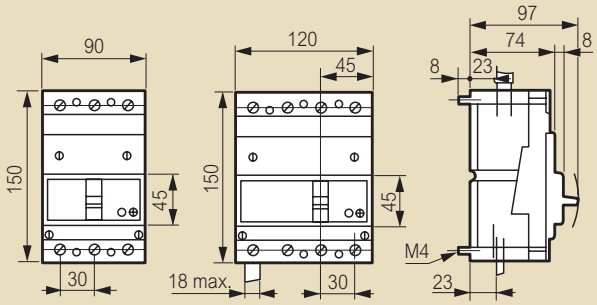
Mounting with flexible seal



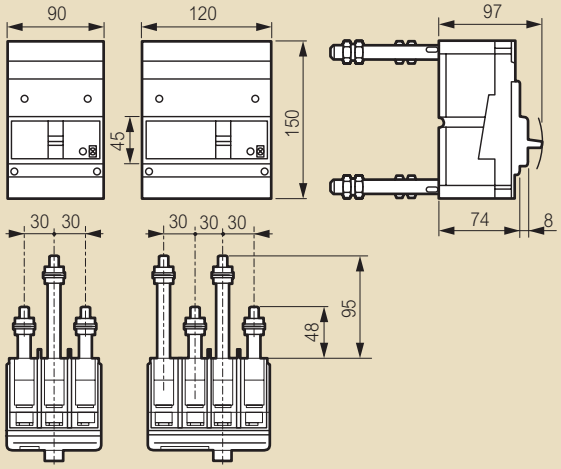
(1) Dimensions of 3-pole earth leakage modules are the same as 4-pole earth leakage modules
(2) 70 mm without mechanical system

■ Dimensions

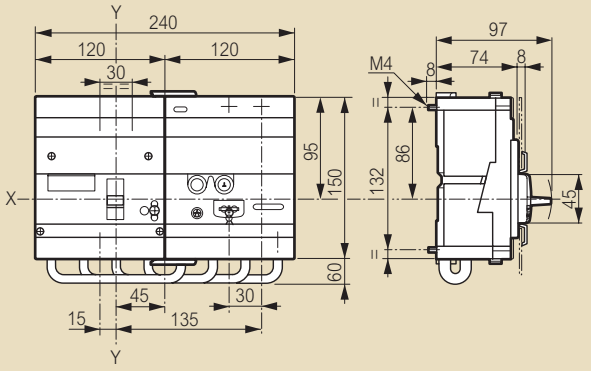
Fixed version, front terminals



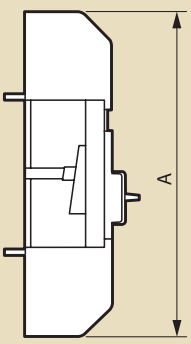
Fixed version, rear terminals



Fixed version, front terminals with earth leakage module mounted side by side (1)

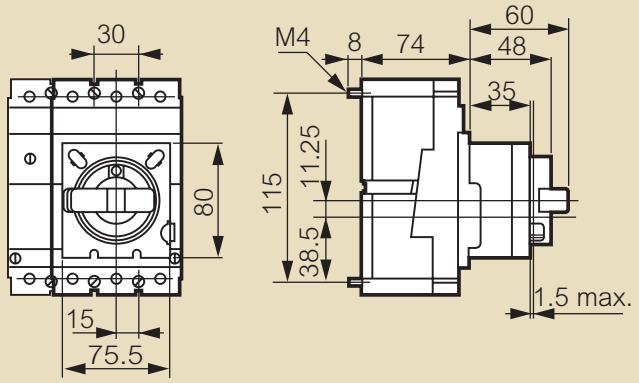


Terminal shields



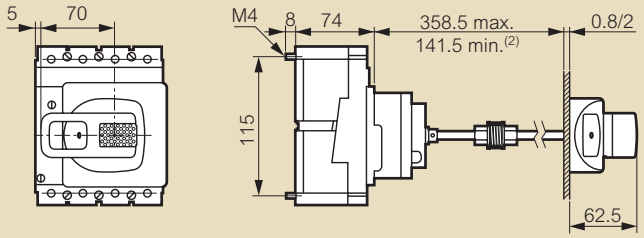
	A
DPX 160	278
DPX 160 + earth leakage module mounted underneath	393

Rotary handle direct on DPX



Rotary handle-vari-depth on door

Mounting with flexible seal

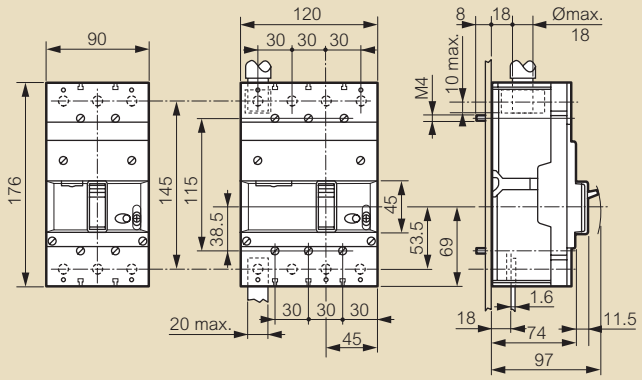


(1) Dimensions of 3-pole earth leakage modules are the same as 4-pole earth leakage modules
(2) 70 mm without mechanical system

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

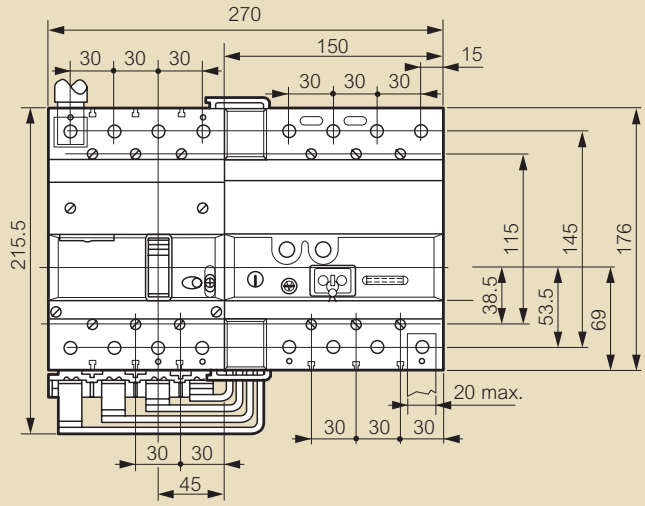
■ Dimensions

Fixed version, front terminals

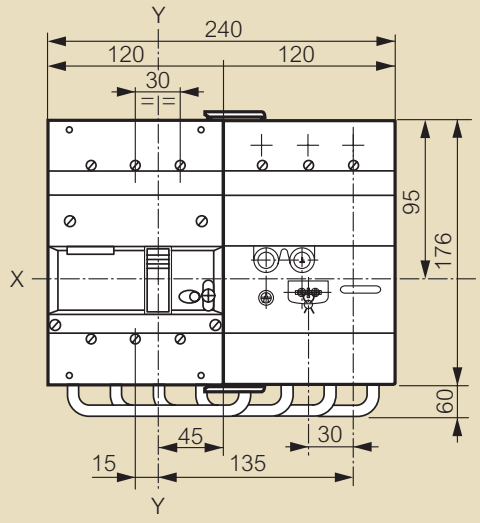


Fixed version, front terminals with earth leakage module mounted side by side (1)

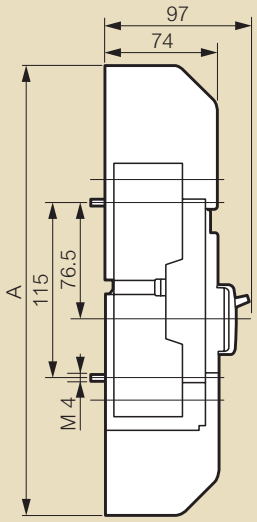
250 A



160 A

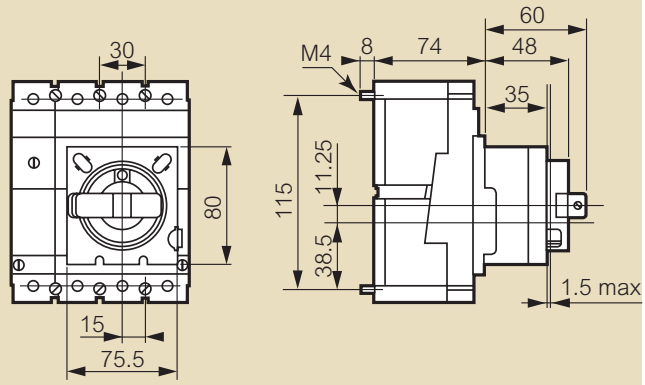


Terminal shields



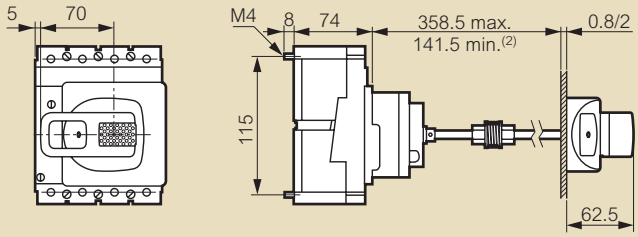
	A
DPX 250 ER	296

Rotary handle-direct on DPX



Rotary handle-vari-depth on door

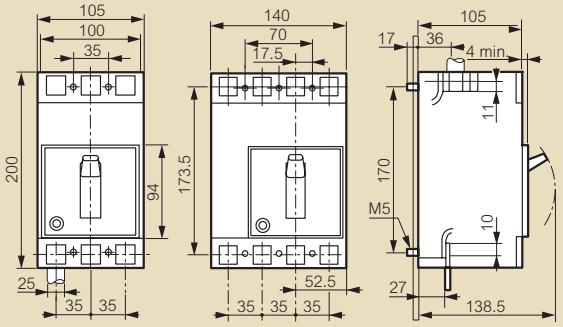
Mounting flexible seal



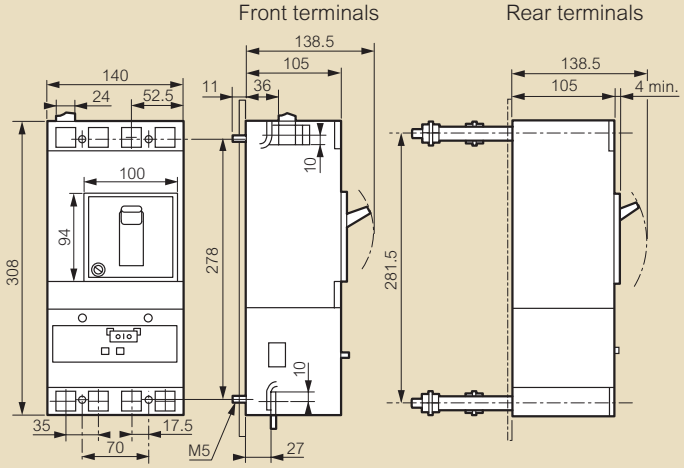
(1) Dimensions of 3-pole earth leakage modules are the same as 4-pole earth leakage modules
(2) 70 mm without mechanical system

■ Dimensions

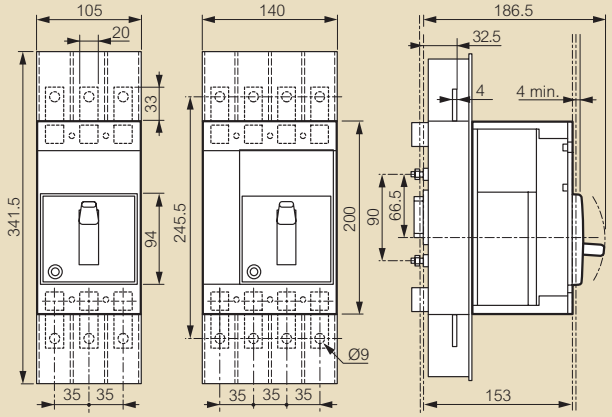
Fixed version, front terminals



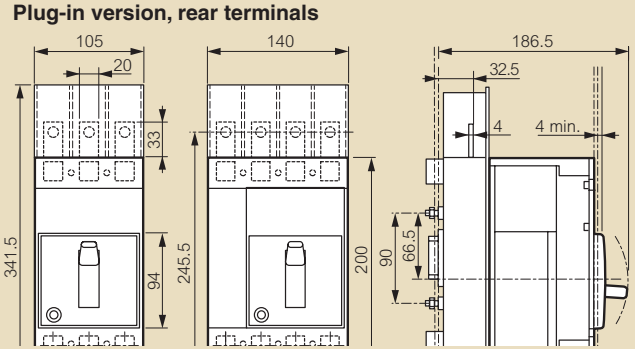
Fixed version with earth leakage module mounted underneath(1)



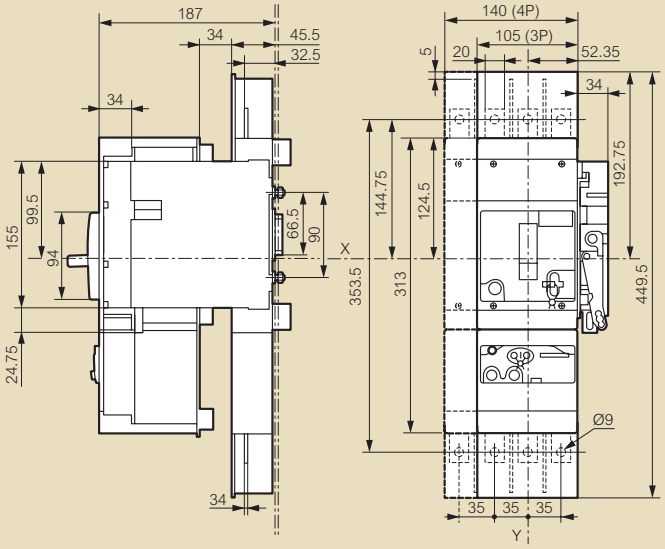
Plug-in version, front terminals



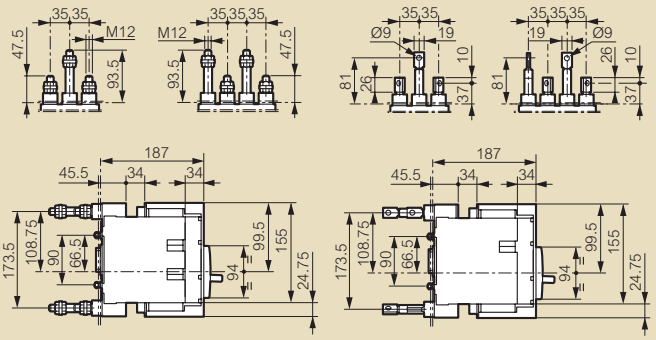
Plug-in version, rear terminals



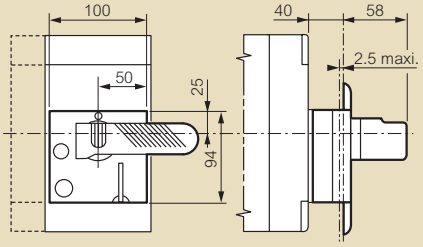
Draw-out version, front terminals



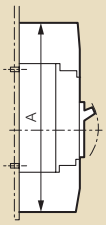
Draw-out version, rear terminals



Rotary handle-direct on DPX



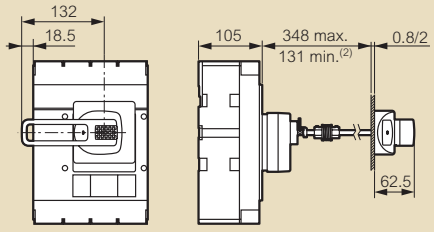
Terminal shields



	A
DPX 250	330
DPX 250 + earth leakage module	438

Rotary handle-vari-depth on door

Mounting with flexible seal

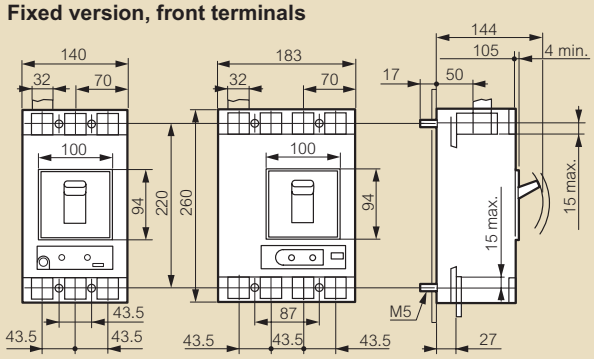


(1) Dimensions of 3-pole earth leakage modules are the same as 4-pole earth leakage modules
(2) 75 mm without mechanical system

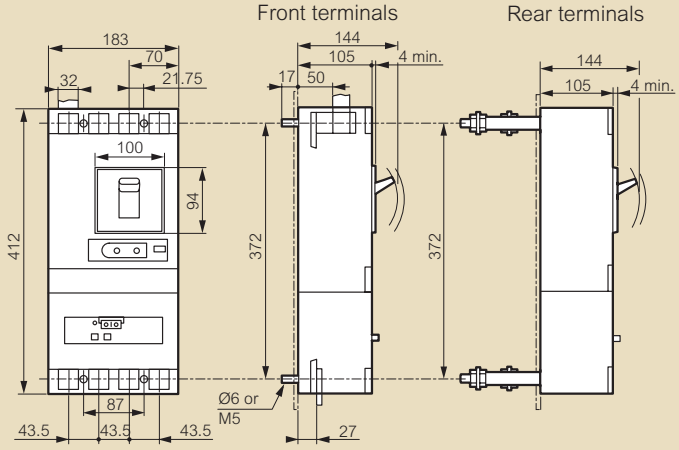
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

■ Dimensions

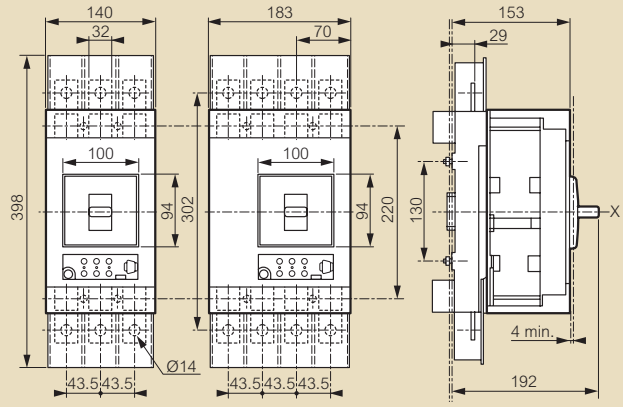
Fixed version, front terminals



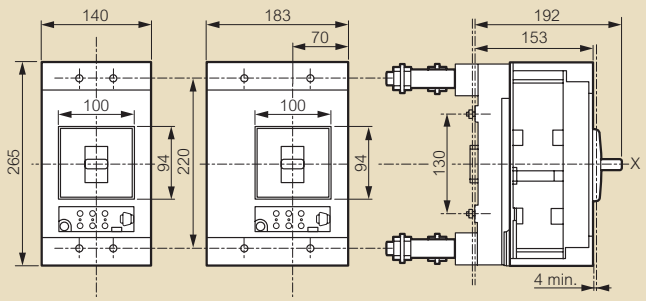
Fixed version with earth leakage module mounted underneath



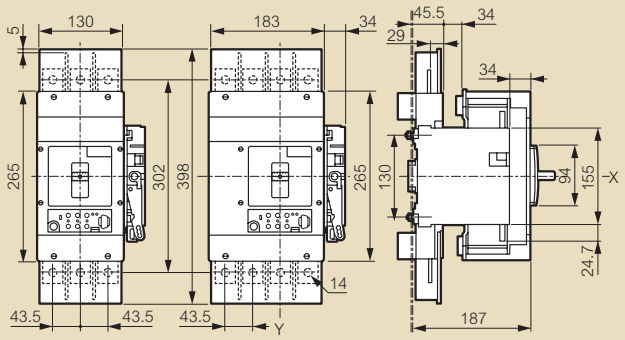
Plug-in version, front terminals



Plug-in version, rear terminals

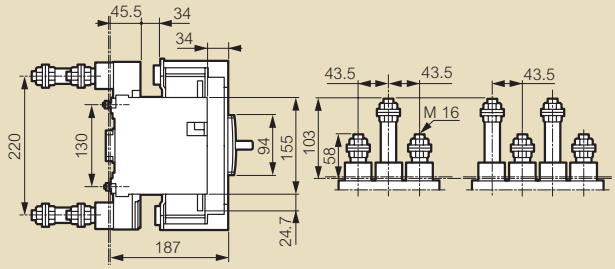


Draw-out version, front terminals

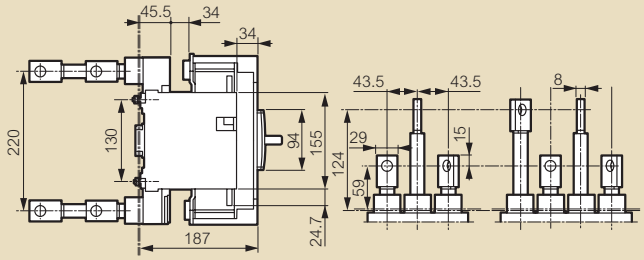


Draw-out version, rear terminals

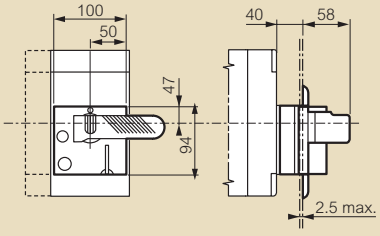
Rear terminal with threaded rod



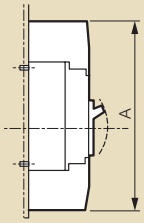
Flat rear terminal



Rotary handle-direct on DPX



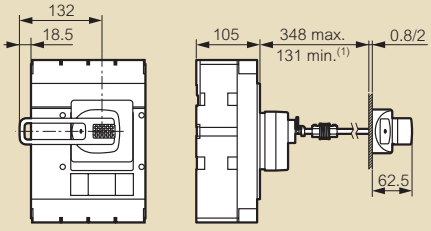
Terminal shields



	A
DPX 630	390
DPX 630 + earth leakage module	542

Rotary handle-vari-depth handle on door

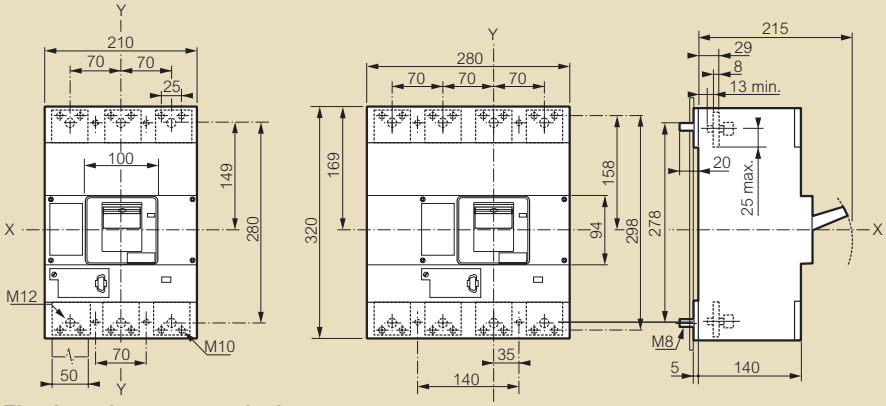
Mounting with flexible seal



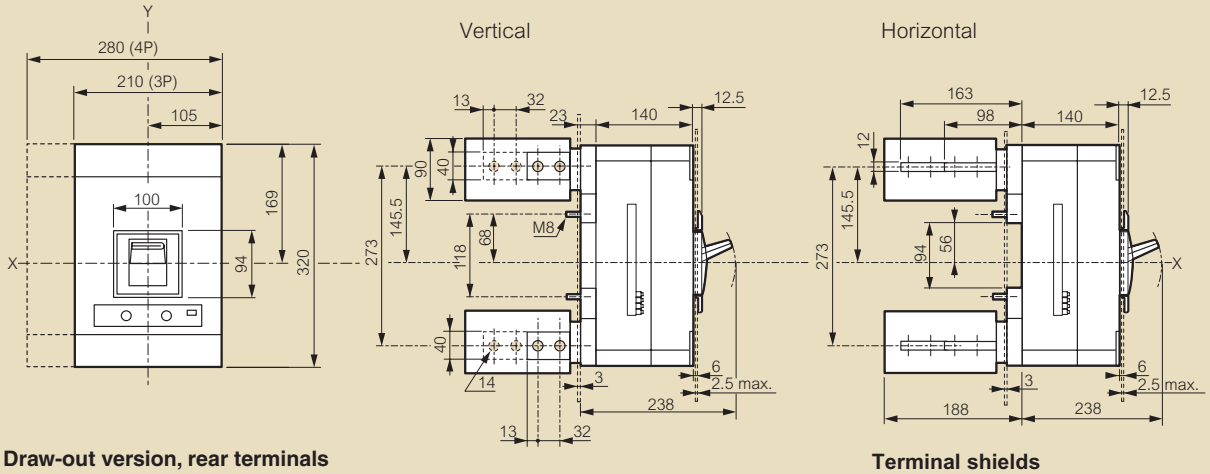
(1) 75 mm without mechanical system

■ Dimensions

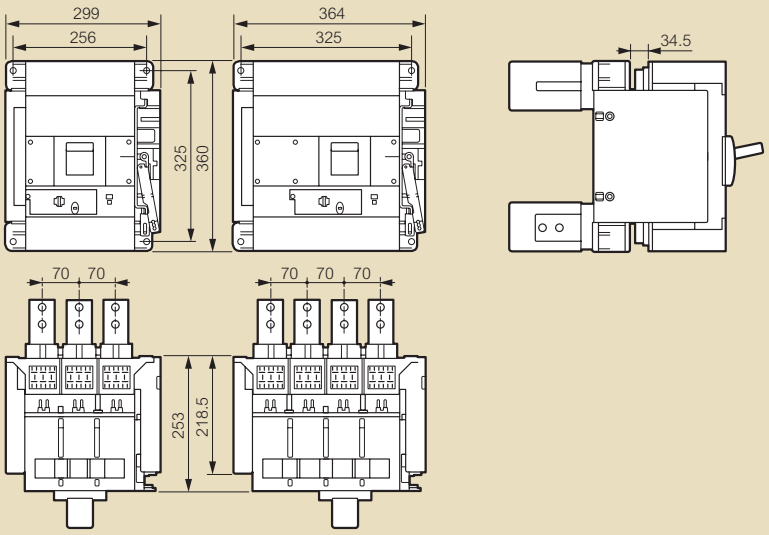
Fixed version, front terminals



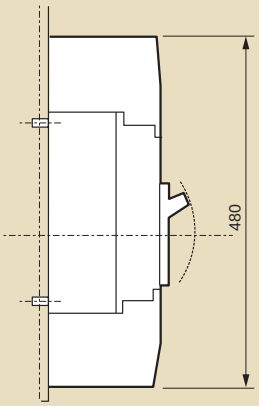
Fixed version, rear terminals



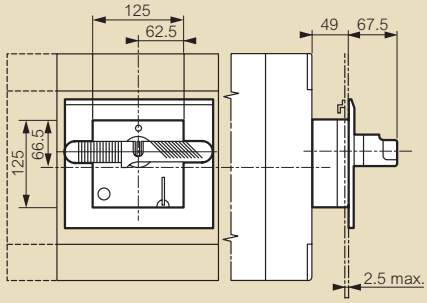
Draw-out version, rear terminals



Terminal shields

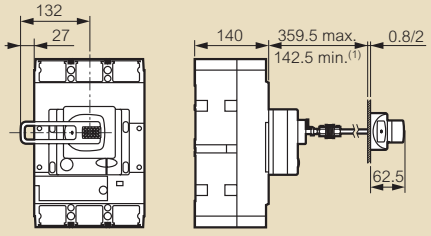


Rotary handle-direct on DPX



Rotary handle-vari-depth handle on door

Mounting with flexible seal



(1) 75 mm without mechanical system

Some items sold separately
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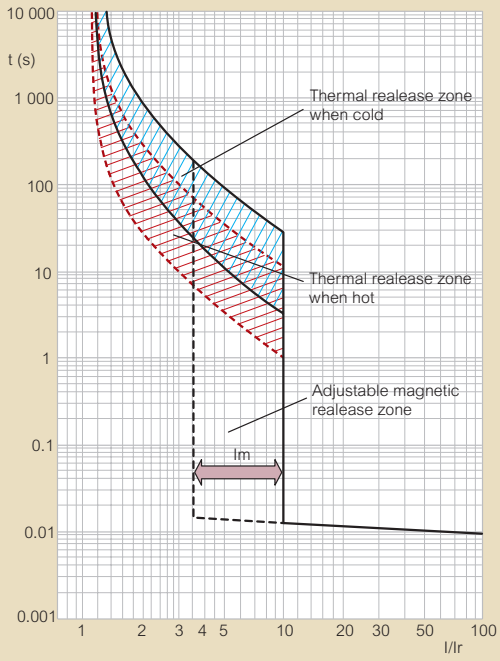
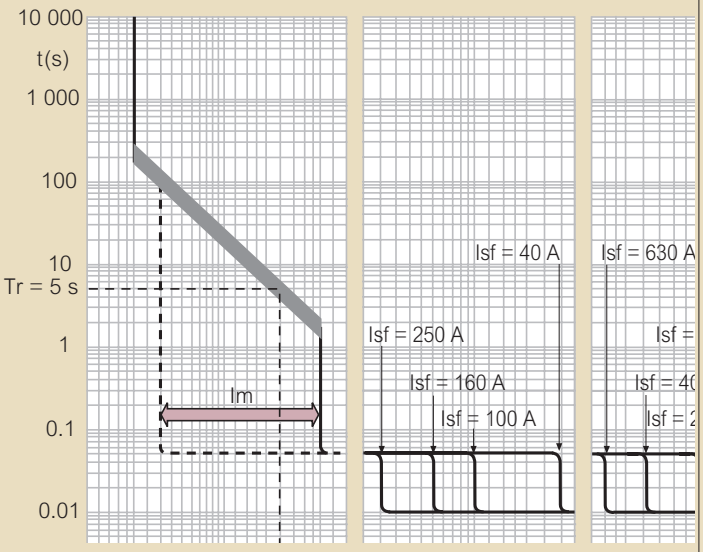
DPX™
Reading DPX characteristic curves and adjustment ranges

Tripping curve for a DPX thermal-magnetic trip



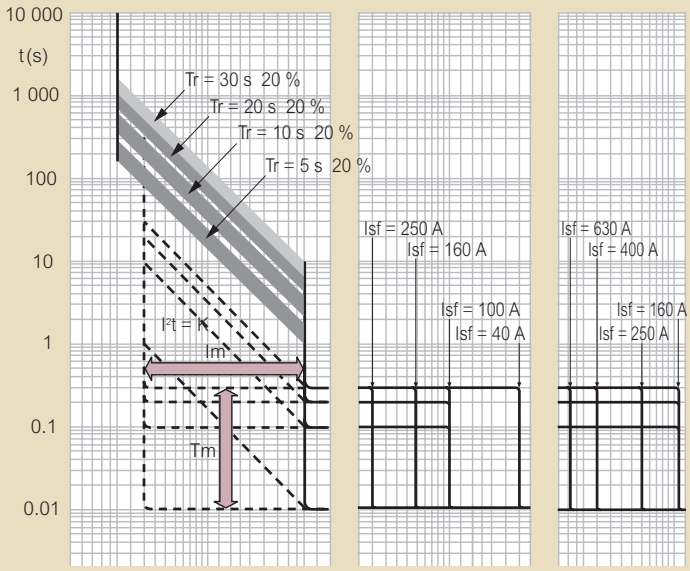
I: actual current
Ir: thermal protection against overloads (setting: Ir = x In)
Im: magnetic protection against short-circuits (setting: Im = x In or Im = x Ir)
As the abscissa of the curves represents the ratio I/Ir, modifying the setting of Ir will not change the graphical representation of the thermal trip. However, the magnetic setting can be read directly (between 3.5 and 10 in the example).

Tripping curve for a DPX electronic release S1, adjustable Ir and Im



I: actual current
Ir: long delay protection against overloads (setting: Ir = x In)
Tr: long delay protection operation time (fixed value: 5 s at 6 Ir)
Im: short delay protection against short-circuits (setting: Im = x Ir, between 1.5 and 10 Ir in the example)
Tm: short delay protection operation time (fixed value: 0.1 s)
If: fixed threshold instantaneous protection (4 to 20 kA depending on model)

Tripping curve for a DPX electronic release S2, adjustable Ir, Im, Tr and Tm



I: actual current
Ir: long delay protection against overloads (setting: Ir = x In)
Tr: long delay protection operation time (fixed value: 5 to 30 s)
Im: short delay protection against short-circuits (setting: Im = x Ir, between 1.5 and 10 Ir in the example)
Tm: short delay protection operation time (setting: 0 to 0.3 s)
t constant (adjustable via Tm)
If: fixed threshold instantaneous protection (4 to 20 kA depending on model)

Adjustment for thermal-magnetic DPX

Setting	DPX 125	DPX 160 DPX 250 ER	DPX 250	DPX 630	DPX 1250
Ir overload trip threshold (thermal)	0.7 to 1 In	0.64 to 1 In	0.64 to 1 In	0.8 to 1 In	0.8 to 1 In
Im short-circuit trip threshold (magnetic)	fixed: 10 In (100 and 125 rating)	fixed: 10 In	3.5 to 10 In	5 to 10 In	5 to 10 In

Adjustment for DPX electronic release

Setting	DPX 250 / 630 / 1600 S1	DPX 250 / 630 / 1600 S2
Ir overload trip threshold (long delay)	0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 0.9 - 0.95 - 1) x In	
Tr long delay trip time	fixed: 5 s (to 6 Ir)	5 - 10 - 20 - 30 s (to 6 Ir)
Im short-circuit trip threshold (short delay)	(1.5 - 2 - 3 - 4 - 5 - 6 - 8 - 10) x Ir(1)	
Tm Short delay trip time	fixed: 0.05 s	0 - 0.1 - 0.2 - 0.3 s

(1) 7.9 Ir for DPX 630 In 630 A

Selectivity table DPX™ / DPX™ thermal-magnetic

■ Limits of selectivity (three phase circuit at 400 V)

Downstream MCCB	DPX	Upstream MCCB																			
		DPX 125 (16 kA) DPX 125 (25 kA) DPX 125 (36 kA)				DPX 160 (25 kA) DPX 250ER (25 kA) DPX 160 (36 kA) DPX 250ER (36 kA) DPX 160 (50 kA) DPX 250ER (50 kA)				DPX 250 DPX-H 250				DPX 630 DPX-H 630					DPX 1250 DPX-H 1250		
	In (A)	40	63	100	125	63	100	160	250	63	100	160	250	250	320	400	500	630	800	1000	1250
DPX	Ist. (kA)	0.8	0.95	1.25	1.25	0.63	1	1.6	2.5	0.63	1	1.6	2.5	2.5	3.2	4	5	6.3	8	6	7.5
DPX 125 (16 kA)	16	0.8	1	1.2	1.2	0.63	1	1.6	2.5	0.63	1	1.6	2.5	6	6	6	6	8	T	T	T
	25	0.8	1	1.2	1.2		1	1.6	2.5		1	1.6	2.5	6	6	6	6	8	T	T	T
	40		1	1.2	1.2		1	1.6	2.5		1	1.6	2.5	6	6	6	6	8	T	T	T
	63			1.2	1.2			1.6	2.5			1.6	2.5	6	6	6	6	8	T	T	T
	100							1.6	2.5			1.6	2.5	4	4	4	6	8	T	T	T
	125							1.6	2.5			1.6	2.5	4	4	4	6	8	T	T	T
DPX 125 (25 kA)	16	0.8	1	1.2	1.2	0.63	1	1.6	2.5	0.63	1	1.6	2.5	6	6	6	6	8	16	16	16
	25	0.8	1	1.2	1.2		1	1.6	2.5		1	1.6	2.5	6	6	6	6	8	16	16	16
	40		1	1.2	1.2		1	1.6	2.5		1	1.6	2.5	6	6	6	6	8	16	16	16
	63			1.2	1.2			1.6	2.5			1.6	2.5	6	6	6	6	8	16	16	16
	100							1.6	2.5			1.6	2.5	4	4	4	6	8	16	16	16
	125							1.6	2.5			1.6	2.5	4	4	4	6	8	16	16	16
DPX 125 (36 kA)	16	0.8	1	1.2	1.2	0.63	1	1.6	2.5	0.63	1	1.6	2.5	6	6	6	6	8	16	16	16
	25	0.8	1	1.2	1.2		1	1.6	2.5		1	1.6	2.5	6	6	6	6	8	16	16	16
	40		1	1.2	1.2		1	1.6	2.5		1	1.6	2.5	6	6	6	6	8	16	16	16
	63			1.2	1.2			1.6	2.5			1.6	2.5	6	6	6	6	8	16	16	16
	100							1.6	2.5			1.6	2.5	4	4	4	6	8	16	16	16
	125							1.6	2.5			1.6	2.5	4	4	4	6	8	16	16	16
DPX 160 DPX 250ER (25 kA)	63						1	1.6	2.5		1	1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	100							1.6	2.5			1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	160								2.5				2.5	2.5	3.2	4	5	6.3	16	16	16
	250														3.2	4	5	6.3	16	16	16
DPX 160 DPX 250ER (36 kA)	63						1	1.6	2.5		1	1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	100							1.6	2.5			1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	160								2.5				2.5	2.5	3.2	4	5	6.3	16	16	16
	250														3.2	4	5	6.3	16	16	16
DPX 160 DPX 250ER (50 kA)	40					0.63	1	1.6	2.5	0,63	1	1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	63						1	1.6	2.5		1	1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	100							1.6	2.5			1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	160								2.5				2.5	2.5	3.2	4	5	6.3	16	16	16
	250														3.2	4	5	6.3	16	16	16
DPX 250 (36 kA)	40													2.5	3.2	4	5	6.3	16	16	16
	63										1	1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	100											1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	160												2.5	2.5	3.2	4	5	6.3	16	16	16
	250														3.2	4	5	6.3	16	16	16
DPX 250 S1/S2 (36 kA)	40														3.2	4	5	6.3	16	16	16
	100														3.2	4	5	6.3	16	16	16
	160														3.2	4	5	6.3	16	16	16
	250														3.2	4	5	6.3	16	16	16
DPX-H/L 250 (70/100 kA)	40									0,63	1	1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	63										1	1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	100											1.6	2.5	2.5	3.2	4	5	6.3	16	16	16
	160												2.5	2.5	3.2	4	5	6.3	16	16	16
	250														3.2	4	5	6.3	16	16	16
DPX-H/L 250 S1/S2 (70/100 kA)	40														3.2	4	5	6.3	16	16	16
	100														3.2	4	5	6.3	16	16	16
	160														3.2	4	5	6.3	16	16	16
	250														3.2	4	5	6.3	16	16	16
DPX 630 (36 kA)	250														3.2	4	5	6.3	10	10	10
	320															4	5	6.3	10	10	10
	400																5	6.3	10	6	7.5
	500																	6.3	10	6	7.5
	630																		10	6	7.5
DPX-H/L 630 (70/100 kA)	250														3.2	4	5	6.3	10	10	10
	320															4	5	6.3	10	10	10
	400																5	6.3	10	6	7.5
	500																	6.3	10	6	7.5
	630																		10	6	7.5
DPX 630 S1/S2 (36 kA)(1)	250																	6.3	8	6	8
	400																	6.3	8	6	8
	630																		8	6	8
DPX-H/L 630 S1/S2 (70/100 kA)(1)	400																	6.3	8	6	8
	630																		8	6	8
DPX 1250 (50 kA)	800																			7.5	7.5
	1000																				7.5
	1250																				
DPX-H 1250 (70 kA)	800																			7.5	7.5
	1000																				7.5
	1250																				

(1) Selectivity low

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Notes

DPX™ / DPX™ electronic S1/S2 selectivity table

■ Limits of selectivity low (three-phase circuit at 400 V)

Downstream MCCB	DPX	Upstream MCCB electronic SEL: LOW										
		DPX 250 S1/S2 (36 kA) DPX-H 250 S1/S2 (70 kA)				DPX 600 S1/S2 (36 kA) DPX-H 630 S1/S2 (70 kA)			DPX/DPX-H 1600 S1 (50/70 kA)	DPX/DPX-H 1600 S2 (50/70 kA)	DPX/DPX-H 1600 S1,S2 (50/70 kA)	
DPX	In (A)	40	100	160	250	250	400	630	800	800	1250	1600
	Ist. (kA)	3.5	3.5	3.5	3.5	5	5	5	10	10	15	20
DPX 125 (16 kA)	16	3.5	3.5	3.5	3.5	8	8	8	T	T	T	T
	25	3.5	3.5	3.5	3.5	8	8	8	T	T	T	T
	40		3.5	3.5	3.5	6	6	6	T	T	T	T
	63		3.5	3.5	3.5	6	6	6	T	T	T	T
	100			3.5	3.5	6	6	6	T	T	T	T
	125			3.5	3.5	6	6	6	T	T	T	T
DPX 125 (25 kA)	16	3.5	3.5	3.5	3.5	8	8	8	T	T	T	T
	25	3.5	3.5	3.5	3.5	8	8	8	T	T	T	T
	40		3.5	3.5	3.5	6	6	6	T	T	T	T
	63		3.5	3.5	3.5	6	6	6	T	T	T	T
	100			3.5	3.5	6	6	6	T	T	T	T
	125			3.5	3.5	6	6	6	T	T	T	T
DPX 125 (36 kA)	16	3.5	3.5	3.5	3.5	8	8	8	25	T	T	T
	25	3.5	3.5	3.5	3.5	8	8	8	25	T	T	T
	40		3.5	3.5	3.5	6	6	6	25	T	T	T
	63		3.5	3.5	3.5	6	6	6	25	T	T	T
	100			3.5	3.5	6	6	6	25	T	T	T
	125			3.5	3.5	6	6	6	25	T	T	T
DPX 160 DPX 250ER (25 kA)	63		3.5	3.5	3.5	6	6	6	20	T	T	T
	100			3.5	3.5	6	6	6	20	T	T	T
	160				3.5	6	6	6	20	T	T	T
	250						6	6	20	T	T	T
DPX 160 DPX 250ER (36 kA)	63		3.5	3.5	3.5	6	6	6	20	T	T	T
	100			3.5	3.5	6	6	6	20	T	T	T
	160				3.5	6	6	6	20	T	T	T
	250			3.5	3.5		6	6	20	T	T	T
DPX 160 DPX 250ER (50 kA)	40		3.5	3.5	3.5	8	8	8	20	T	T	T
	63		3.5	3.5	3.5	6	6	6	20	T	T	T
	100			3.5	3.5	6	6	6	20	T	T	T
	160				3.5	6	6	6	20	T	T	T
	250						6	6	20	T	T	T
DPX 250 (36 kA)	40		3.5	3.5	3.5	8	8	8	20	T	T	T
	63		3.5	3.5	3.5	8	8	8	20	T	T	T
	100			3.5	3.5	8	8	8	20	T	T	T
	160				3.5	8	8	8	20	T	T	T
	250						6	6	20	T	T	T
DPX 250 S1/S2 (36 kA)	40		1	1.6	2.5	8	8	8	20	T	T	T
	100			1.6	2.5	6	8	8	20	T	T	T
	160				2.5	6	8	8	20	T	T	T
	250						6	6	20	T	T	T
DPX-H 250 (70 kA)	40		3.5	3.5	3.5	8	8	8	20	30	30	36
	63		3.5	3.5	3.5	8	8	8	20	30	30	36
	100			3.5	3.5	8	8	8	20	30	30	36
	160				3.5	8	8	8	20	30	30	36
	250						6	6	20	30	30	36
DPX-H 250 S1/S2 (70 kA)	40		1	1.6	2.5	8	8	8	20	30	30	36
	100			1.6	2.5	6	6	6	20	30	30	36
	160				2.5	6	6	6	20	30	30	36
	250						6	6	20	30	30	36
DPX 630 (36 kA)	250						6	6	15	20	20	T
	400							6	15	20	20	T
	500								10	20	20	T
	630								10	20	20	T
DPX-H 630 (70 kA)	250						6	6	15	20	20	36
	320						6	6	15	20	20	36
	400							6	15	20	20	36
	500								10	20	20	36
	630								10	20	20	36
DPX 630 S1/S2 (36 kA)(1)	250						5	5	15	20	20	T
	400							5	15	20	20	T
	630								15	20	20	T
DPX-H 630 S1/S2 (70 kA)(1)	400							5	15	20	20	36
	630								15	20	20	36
DPX 1250 (50 kA)	800										20	20
	1000										20	20
	1250											20
DPX-H 1250 (70 kA)	500								15	20	20	20
	630								15	20	20	20
	800										20	20
	1000										20	20
	1250											20
DPX/DPX-H 1600 S1 (50/70 kA)(1)	800										15	20
DPX/DPX-H 1600 S2 (50/70 kA)(1)	800										15	20
DPX/DPX-H 1600 S1/S2 (50/70 kA)(1)	1250											20
	1600											

(1) Selectivity low

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

■ Limits of selectivity high (three phase circuit at 400 V)

Downstream MCCB	DPX	Upstream MCCB electronic SEL: HIGH										
		DPX 250 S1/S2 (36 kA) DPX-H 250 S1/S2 (70 kA)				DPX 630 S1/S2 (36 kA) DPX-H 630 S1/S2 (70 kA)			DPX/DPX-H 1600 S1 (50/70 kA)	DPX/DPX-H 1600 S2 (50/70 kA)	DPX/DPX-H 1600 S1,S2 (50/70 kA)	
DPX	In (A)	40	100	160	250	250	400	630	800	800	1250	1600
	Ist. (kA)	3.5	3.5	3.5	3.5	5	5	5	10	10	15	20
DPX 125 (16 kA)	16	T	T	T	T	T	T	T	T	T	T	T
	25	T	T	T	T	T	T	T	T	T	T	T
	40		T	T	T	T	T	T	T	T	T	T
	63		T	T	T	T	T	T	T	T	T	T
	100			T	T	T	T	T	T	T	T	T
	125			T	T	T	T	T	T	T	T	T
DPX 125 (25 kA)	16	T	T	T	T	T	T	T	T	T	T	T
	25	T	T	T	T	T	T	T	T	T	T	T
	40		T	T	T	T	T	T	T	T	T	T
	63		T	T	T	T	T	T	T	T	T	T
	100			T	T	T	T	T	T	T	T	T
	125			T	T	T	T	T	T	T	T	T
DPX 125 (36 kA)	16	25	25	25	25	T	T	T	T	T	T	T
	25	25	25	25	25	T	T	T	T	T	T	T
	40		25	25	25	T	T	T	T	T	T	T
	63		25	25	25	T	T	T	T	T	T	T
	100			25	25	T	T	T	T	T	T	T
	125			25	25	T	T	T	T	T	T	T
DPX 160 DPX 250ER (25 kA)	63		25	25	25	T	T	T	T	T	T	T
	100			25	25	T	T	T	T	T	T	T
	160				25	T	T	T	T	T	T	T
	250						T	T	T	T	T	T
DPX 160 DPX 250ER (36 kA)	63		25	25	25	T	T	T	T	T	T	T
	100			25	25	T	T	T	T	T	T	T
	160				25	T	T	T	T	T	T	T
	250						T	T	T	T	T	T
DPX 160 DPX 250ER (50 kA)	40		25	25	25	36	36	36	36	36	36	36
	63		25	25	25	36	36	36	36	36	36	36
	100			25	25	36	36	36	36	36	36	36
	160				25	36	36	36	36	36	36	36
	250						36	36	36	36	36	36
DPX 250 (36 kA)	40		36	36	36	T	T	T	T	T	T	T
	63		36	36	36	T	T	T	T	T	T	T
	100			36	36	T	T	T	T	T	T	T
	160				36	T	T	T	T	T	T	T
	250						T	T	T	T	T	T
DPX 250 S1/S2 (36 kA)	40		T	T	T	T	T	T	T	T	T	T
	100			T	T	T	T	T	T	T	T	T
	160				T	T	T	T	T	T	T	T
	250						T	T	T	T	T	T
DPX-H 250 (70 kA)	40		36	36	36	36	36	36	36	36	36	36
	63		36	36	36	36	36	36	36	36	36	36
	100			36	36	36	36	36	36	36	36	36
	160				36	36	36	36	36	36	36	36
	250						36	36	36	36	36	36
DPX-H 250 S1/S2 (70 kA)	40					36	36	36	36	36	36	36
	100					36	36	36	36	36	36	36
	160					36	36	36	36	36	36	36
	250						36	36	36	36	36	36
DPX 630 (36 kA)	250								T	T	T	T
	400								T	T	T	T
	500								T	T	T	T
	630								T	T	T	T
DPX-H 630 (70 kA)	250						25	25	36	36	36	36
	320						25	25	36	36	36	36
	400							25	36	36	36	36
	500							25	36	36	36	36
	630								36	36	36	36
DPX-H 630 S1/S2 (36 kA)(1)	250								T	T(1)	T(1)	T(1)
	400								T	T(1)	T(1)	T(1)
	630								T	T(1)	T(1)	T(1)
DPX 630 S1/S2 (70 kA)(1)	400							25	36	36(1)	36(1)	36(1)
	630								36	36(1)	36(1)	36(1)
DPX 1250 (50 kA)	800										36	36
	1000										36	36
	1250											36
DPX-H 1250 (70 kA)	500								36	36	36	36
	630								36	36	36	36
	800										36	36
	1000										36	36
	1250											36
DPX/DPX-H 1600 S1 (50/70 kA)(1)	800										36	36
DPX/DPX-H 1600 S2 (50/70 kA)(1)	800										36(1)	36(1)
DPX/DPX-H 1600 S1/S2 (50/70 kA)(1)	1250											36(1)
	1600											

(1) Selectivity low
For S2 tripping unit possibility of logic selectivity (total selectivity)

MCCBs/MCBs selectivity tables

Downstream MCBs	Upstream MCBs												
		DPX 125 (16 kA) DPX 125 (25 kA) DPX 125 (36 kA)						DPX 160 (25 kA) DPX 160 (36 kA) DPX 160 (50 kA)			DPX 250 ER (25 kA) DPX 250 ER (36 kA) DPX 250 ER (50 kA)		
	In	16 A	25 A	40 A	63 A	100 A	125 A	63 A	100 A	160 A	100 A	160 A	250 A
LR 6000 DX 6000 6 kA DX 6000 10 kA DX-H 10000 25 kA(1) B and C curves	1 A	T	T	T	T	T	T	T	T	T	T	T	T
	2 A	T	T	T	T	T	T	T	T	T	T	T	T
	3 A	T	T	T	T	T	T	T	T	T	T	T	T
	4 A	T	T	T	T	T	T	T	T	T	T	T	T
	6 A	6000	6000	6000	6000	T	T	T	T	T	T	T	T
	10 A	5000	5000	5000	5000	7500	7500	7500	7000	T	T	T	T
	16 A		4000	4000	4000	6000	6000	6000	6000	T	T	T	T
	20 A		3000	3000	3000	5000	5000	5000	5000	T	8000	T	T
	25 A			3000	3000	4500	4000	4500	4500	8500	6000	8500	T
	32 A				2000	4000	4000	4000	4000	7000	5000	7000	T
	40 A				2000	3000	3000	3000	3000	6000	4000	6000	T
	50 A					3000	3000	3000	3000	5500	4000	5500	7000
	63 A					3000	3000	3000	3000	5000	3000	5000	6000
	80 A						2000	2000	2000	5000	2500	5000	6000
	100 A									4000		4000	5000
	125 A									2000		2000	3000
DX-D 6000	1 A			T	T	T	T	T	T	T	T	T	T
	2 A			T	T	T	T	T	T	T	T	T	T
	3 A			T	T	T	T	T	T	T	T	T	T
	6 A			6000	6000	T	T	T	T	T	T	T	T
	10 A			5000	5000	7500	7500	7500	7500	T	T	T	T
	16 A			4000	4000	6000	6000	6000	6000	T	6000	T	T
	20 A			3000	3000	5000	5000	5000	5000	T	6000	T	T
	25 A			3000	3000	4500	4500	4500	4500	8500	5500	8500	T
	32 A				2000	4000	4000	4000	4000	7000	4500	7000	T
	40 A				2000	3000	3000	3000	3000	6000	4500	6000	T
	50 A					3000	3000	3000	3000	5500	3500	5500	T
	63 A					3000	3000	3000	3000	5000	3500	5000	6000
	80 A						1500			4000		4000	5000
	100 A									3000		3000	4000
	125 A									1500		1500	2000
DX-L 50 kA C curve	10 A							T	T	T	T	T	T
	16 A							T	T	T	T	T	T
	20 A							20000	20000	T	22000	T	T
	25 A							15000	15000	T	18000	T	T
	32 A							10000	10000	20000	13000	T	T
	40 A							7000	7000	17000	8000	20000	20000
	50 A							3000	3000	8000	4000	10000	20000
	63 A							3000	3000	8000	4000	10000	15000

T: total selectivity, up to downstream circuit breaker breaking capacity according to IEC 60947-2
(1) For breaking capacity of DX-H MCBs, according to IEC 60947-2 (see p. 75)

■ Upstream fuse

MCCBs downstream	gG type		
	250 A	400 A	1000 A
DPX 125	7500		
DPX 160		10000	
DPX 250 ER		10000	
DPX 250		10000	
DPX 630			50000

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

	DPX 250 (36 kA) DPX-H 250 (70 kA)					DPX 630 (36 kA) DPX-H 630 (70 kA)			DPX 1250/1600 (50 kA) DPX-H 1250/1600 (70 kA)		
	40 A	63 A	100 A	160 A	250 A	250 A	400 A	630 A	800 A	1000 A	1250 A
	T	T	T	T	T	T	T	T	T	T	T
	T	T	T	T	T	T	T	T	T	T	T
	T	T	T	T	T	T	T	T	T	T	T
	T	T	T	T	T	T	T	T	T	T	T
	6000	6000	T	T	T	T	T	T	T	T	T
	5000	5000	T	T	T	T	T	T	T	T	T
	4000	4000	T	T	T	T	T	T	T	T	T
	4000	4000	8000	T	T	T	T	T	T	T	T
	3000	3000	6000	T	T	T	T	T	T	T	T
		2000	5000	T	T	T	T	T	T	T	T
			5000	T	T	T	T	T	T	T	T
			4000	8000	T	T	T	T	T	T	T
			4000	8000	T	T	T	T	T	T	T
				8000	T	T	T	T	T	T	T
				7500	T	T	T	T	T	T	T
				3000	8000	T	T	T	T	T	T
		T	T	T	T	T	T	T	T	T	T
		T	T	T	T	T	T	T	T	T	T
		T	T	T	T	T	T	T	T	T	T
		6000	T	T	T	T	T	T	T	T	T
		5000	T	T	T	T	T	T	T	T	T
		4000	T	T	T	T	T	T	T	T	T
		4000	8000	T	T	T	T	T	T	T	T
		3000	6000	T	T	T	T	T	T	T	T
		2000	5000	T	T	T	T	T	T	T	T
		2000	5000	T	T	T	T	T	T	T	T
			4000	8000	T	T	T	T	T	T	T
			4000	8000	T	T	T	T	T	T	T
				7000	T	T	T	T	T	T	T
				6500	T	T	T	T	T	T	T
				2000	7000	T	T	T	T	T	T
		T	T	T	T	T	T	T	T	T	T
			40000	T	T	T	T	T	T	T	T
			33000	T	T	T	T	T	T	T	T
			28000	T	T	T	T	T	T	T	T
			20000	T	T	T	T	T	T	T	T
			13000	T	T	T	T	T	T	T	T
			8000	20000	T	T	T	T	T	T	T
			8000	20000	T	T	T	T	T	T	T

Back up between MCCBs and MCBs (in kA)

■ In 3 phases networks + N 400/415 V according to IEC 60947-2

		MCBs/MCCBs upstream										
		DX-H 10000 - 25 kA B and C curves		DX-L		DPX-E 125	DPX 125	DPX/ DPX-H 160	DPX 250 ER			
MCBs downstream		2 to 32 A	40 to 125 A	10 to 32 A	40 to 63 A	16 to 125 A	16 to 125 A	25 to 160 A	63 A	100 A	160 A	250 A
DX 6000 - 10 kA B and C curves	1 to 20 A	25(1)	12.5	50	25	16	25	25	25	25	25	25
	25 A	25(1)	12.5	50	25	16	25	25	25	25	25	25
	32 A		12.5		25	16	25	25	25	25	25	25
	40 A		12.5		25	16	25	25	25	25	25	25
	50 A				25	16	25	20	25	25	20	20
	63 A					16	25	15		20	15	15
	80 A						20	25			20	20
	100 A						20	25			20	20
	125 A							25			15	15
DX-H 10000 - 25 kA B and C curves DX 6000 - 15 kA D curve	1 to 16 A			50	25	16	25	25	25	25	25	25
	20 A			50	25	16	25	20	25	25	25	25
	25 A				25	16	25	15	25	25	25	25
	32 A				25	16	25	20	25	25	25	25
	40 A				25	16	25	20	25	25	25	25
	50 A				25	16	25	15	25	25	20	20
	63 A					16	25	25	25	20	15	15
DX-L - 50 kA C curve	10 to 63 A			50	50			50	50	50	50	50

(1) The breaking capacity value of DX-H 25 A and 32 A is 25 kA, only when DX-H MCB is backed-up by an upstream DX-L or DPX MCCB (3 back-up levels)
In any other situation the breaking capacity values of DX-H are 20 kA for DX-H 25 A and 15 kA for DX-H 32 A (see p. 75)

■ In 3 phases networks + N 230/240 V according to IEC 60947-2

		MCBs/MCCBs upstream											
		DX-H 10000 - 25 kA B and C curves			DX-L		DPX-E 125	DPX 125	DPX/ DPX-H 160	DPX 250 ER			
MCBs downstream		2 to 32 A	40 to 63 A	80 to 125 A	10 to 32 A	40 to 63 A	16 to 125 A	16 to 125 A	25 to 160 A	63 A	100 A	160 A	250 A
DX 6000 - 10 kA B and C curves	1 to 20 A	50	25	20	50	25	22	35	35	50	50	50	50
	32 & 40 A		25	20		25	22	35	35	50	50	50	50
	50 A					25	16	25	25	36	36	36	36
	63 A						16	25	15		30	30	30
	80 A						16	25	25		25	25	25
	100 A						16	25	25			25	25
	125 A								25			25	25
DX-H 10000 - 25 kA B and C curves DX 6000 - 15 kA D curve	1 to 40 A				50	25	22	35	35	50	50	50	50
	50 A					25	16	25	25	36	36	36	36
	63 A						16	25	25		30	30	30
DX-L - 50 kA C curve	10 to 63 A				70	70			70	70	70	70	70

TT or TN neutral earthing systems:
For a 230/400 V supply in order to determine the breaking capacity of a 2 P MCB used as L + N (230 V) downstream a 2 P or 4 P circuit breaker use values indicated in the table for 230/240 V

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

	DPX/H/L 250		DPX/H/L 630	DPX/H/L 630 electronic		DPX/H/L 1250	DPX/H/L 1600
	160 A	250 A	250 to 400 A	160 & 400 A	630 A	500 to 1250 A	800 to 1600 A
	25	25	25	25	25	25	25
	25	25	25	25	25	20	20
	25	25	25	25	25	15	15
	25	20	20	20	20	15	15
	20	15	15	15	15	12.5	12.5
	15	15	15	15	15	12.5	12.5
	20	20	20	20	15		
	20	20	20	20	15		
	15	15	15	15	10		
	25	25	25	25	25	25	25
	25	25	25	25	25	25	25
	25	25	25	25	25	20	20
	25	25	25	25	25	15	15
	25	20	20	20	20	15	15
	20	15	15	15	15	12.5	12.5
	15	15	15	15	15	12.5	12.5
	50	50	50	50	50	50	50

	DPX/H/L 250			DPX/H/L 630 electronic		DPX/H/L 1250	DPX/H/L 1600
	160 A	250 A	250 to 400 A	160 & 400 A	630 A	500 to 1250 A	800 to 1600 A
	50	50	50	50	50	50	50
	50	50	50	50	50	50	50
	36	30	30	30	25	25	25
	30	30	30	30	25	25	25
	25	25	25	25	20		
	25	25	25	25	20		
	25	25	25	25	20		
	50	50	50	50	50	50	50
	36	30	30	30	25	25	25
	30	30	30	30	25	25	25
	70	70	70	70		70	70

■ In 3 phases networks (+ N) 400/415 V according to IEC 60947-2

MCBs downstream		Fuses upstream gG type	
		20 to 32 A	63 to 160 A
DX 6000 - 10 kA	1 A to 40 A	100	100
C and D curves	50 A to 125 A		100
DX-H 10000 - 25 kA	2 A to 40 A	100	100
B and C curves	50 A to 63 A		100
DX-L - 50 kA	10 A to 40 A	100	100
C curve	50 A to 63 A		100

■ In 3 phases networks (+ N) 230/240 V according to IEC 60947-2

MCBs downstream		Fuses upstream gG type	
		20 to 50 A	63 to 160 A
DX 6000 - 10 kA	1 A to 40 A	100	100
C and D curves	50 A to 125 A		100
DX-H 10000 - 25 kA	2 A to 40 A	100	100
B and C curves	50 A to 63 A		100
DX-L - 50 kA	10 A to 40 A	100	100
C curve	50 A to 63 A		100

Electrical energy metering on door

146 61

146 65

047 79

Analogue metering devices - panel mounting

Pack	Cat. No.	
		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	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	146 10	0 - 50 A
1	146 13	0 - 100 A
1	146 15	0 - 200 A
1	146 16	0 - 250 A
1	146 17	0 - 300 A
1	146 18	0 - 400 A
1	146 20	0 - 600 A
1	146 21	0 - 800 A
1	146 22	0 - 1000 A
1	146 66	0 - 1250 A
1	146 24	0 - 1500 A
1	146 25	0 - 2000 A
1	146 26	0 - 2500 A
1	146 28	0 - 4000 A
		Voltmeters
		Measure the voltage in volts (V) AC ou DC Scale: 0 - 500 V
1	146 61	Square barrel 68 x 68 mm

Digital central measuring units

Enables via a 0 - 5 A output current transformer (CT), measuring electrical values for low voltage applications

Multi-function centrals

For measuring: current and voltage per phase, frequency, power factor, active and reactive energy…
Adapts to 3-phase balanced or unbalanced supplies with or without neutral
Max. measurement: 8000 A
220 V

1	146 65	Standard
1	146 67	Communicating Modbus/JBUS Data speed transmission: 1200 to 9600 Bauds

Current transformers (CT)

Used with ammeters, electricity meters and central measuring units
Supply a current of 0 to 5 A to the secondary which is proportional to the primary current
Can be fixed on plate, on rail 4
EN 60715, on bars
Secondary joining with terminals for lugs, cage terminals
Precision class: 1 %

Pack	Cat. No.	Transformation ratio	Power (VA)
		Single phase CT for bar 16 x 12.5 mm and cable Ø21 mm	
1	046 31	50/5	1.25
1	046 34	100/5	2.5
1	046 36	200/5	5.5
		Single phase CT for bar 20.5 x 12.5 and 30 x 10.5 mm and cable Ø23 mm	
1	047 75	300/5	11
		Single phase CT for bar 40.5 x 10.5 mm and cable Ø35 mm	
1	046 38	400/5	12
		Single phase CT for bar 65 x 32 mm	
1	047 76	600/5	12
1	047 77	800/5	15
1	047 78	1000/5	20
		Single phase CT for bar 84 x 34 mm	
1	047 79	1250/5	15
		Single phase CT for bar 127 x 38 mm	
1	046 45	1500/5	15
1	046 46	2000/5	20
		Single phase CT for bar 127 x 54 mm	
1	047 80	2500/5	50
1	046 48	4000/5	50

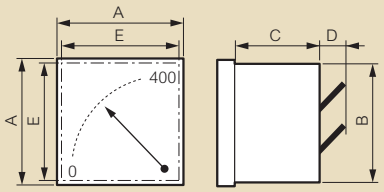
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Electrical energy metering on door

■ Analogue metering devices

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

Cat. No. 146 01/61



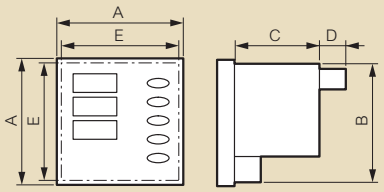
Dimensions (mm)				
A	B	C	D	E
72	66.5	44	12	68~0,7

■ Digital central measuring units

- Precision class:
voltage: ∿ 0.5 %
current: ∿ 0.5 %
power: ∿ 1.5 %
power factor: ∿ 2 %
frequency: ∿ 0.15 Hz
Active energy: class 2
Reactive energy: class 3

- Consumption:
voltage: 0.5 VA / phase
current: 0.75 VA / phase

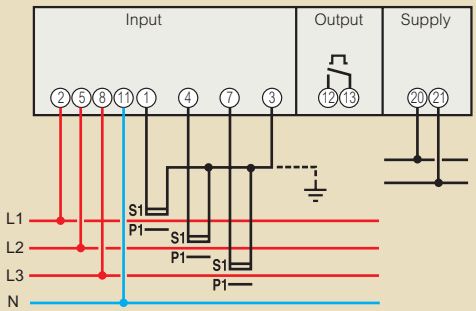
- Auxiliary power supply:
single-phase voltage 230 V (196 to 253 V)
frequency 50 Hz (47 to 63 Hz)
self consumption 6 VA - 3.5 W



Dimensions (mm)				
A	B	C	D	E
96x96	90x90	64.5	20	92x92

Output:
Energy pulse duration = 100 ms via volt free contact:
- for 5 A, 1 pulse/Wh
- from 20 to 150 A, 1 pulse/10 Wh
- from 200 to 1600 A, 1 pulse/100 Wh
- from 2000 to 8000 A, 1 pulse/kWh
Breaking capacity 110 V ∿/⎓ - 50 mA

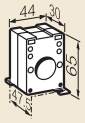
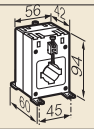
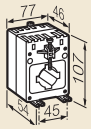
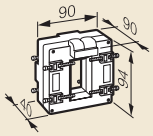
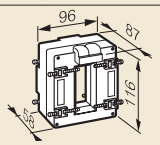
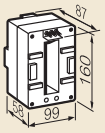
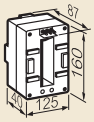
4-wire connection - 3 CT:



■ Current transformer

Degree of protection: IP 20
Frequency: 50/60 Hz

Dimensions

		Opening for cable Ø max. (mm)	Opening for bar width x th. (mm)	Fixing center for fixing on plate (mm)
Single phase CT				
CT 50/5 100/5 200/5		Ø21	16 x 12.5	on rail EN 50022
CT 300/5		Ø23	20.5 x 12.5 25.5 x 11.5 30.5 x 10.5	50 x 45
CT 400/5		Ø35	40.5 x 10.5	54 x 45
CT 600/5 800/5 1000/5		-	65 x 32	fix on bar
CT 1250/5		-	84 x 34	fix on bar
CT 1500/5 CT 2000/5		-	127 x 38	fix on bar
CT 2500/5 4000/5		-	127 x 54	fix on bar

Electrical energy metering on rail

046 81

046 72

046 74

046 65

Dimensions (p. 100)

Measure the electrical energy consumed by a single phase or 3-phase circuit downstream of the metering of energy distributor
Provide a clear display of the consumption in kWh
Class I precision for energy active for Cat. No. 046 73 and 046 74 in accordance with IEC 62053-21/23
Class II precision for energy active for Cat. No. 046 81 and 046 72 in accordance with IEC 62053-21/23 (with a sealable box)

Single phase meters

Pack	Cat. No.		Number of modules
		Direct connection Power supply: 230 V~ - 50/60 Hz	
		Without pulse transmitter	
1	046 81	Up to 32 A Display: LCD screens 6 digits including 1 decimal place 1 unit = 0.1 kWh Partial counting with reset	2
		With pulse transmitter	
1	046 72	Up to 63 A Display: LCD screen 6 digits including 1 decimal place 1 unit: 0.1 kWh Partial counting with reset With pulse transmitter to feed back remote electronical energy consumption pulse output: 1 imp/10 Wh	2

3-phase meters

Pack	Cat. No.		Number of modules
		Display: LCD screen 8 digits, 1 unit: 0.01 kWh With pulse transmitter to feed back remote electrical energy consumption measurements via volt-free contact Partial counting with reset	
		Direct connection	
1	046 73	Up to 63 A per phase Power supply: - 230 V~ - 50/60 Hz (3 phase) - 400 V~ - 50/60 Hz (3 phase + N) Programmable pulse output: 1 x 200 ms pulse every 1 kWh (default value)	4
		Connection via a 0 - 5 A current transformer (CT)	
1	046 74	Power supply: - 230 V~ - 50/60 Hz (3 phase + N) - 400 V~ - 50/60 Hz (3 phase + N) Programmable pulse output: 1 x 200 ms pulse every 1 kWh (default value) Current transformation ratio: 50/5 to 8000/5	4

Central measuring units

Pack	Cat. No.	
		Multi-function centrals Measure via a 0 - 5 A output current transformer (CT), electrical values for low voltage applications: For measuring current per phase, phase-to-phase voltage, frequency, power factor, instantaneous power (active, reactive, apparent), active and reactive energy Adapt to 3-phase balanced or unbalanced supplies with or without neutral 220 V - max. measurement: 8000 A
1	046 65	Standard
1	046 67	Communicating Modbus/JBUS Data speed transmission: 1200 to 9600 Bauds

■ Multi-function central unit

Technical characteristics

Display:
3 green LED displays with manual selection:
- Current per phase
- Phase-to-phase voltage
- Phase voltage
- Instantaneous power: active, reactive and apparent
- Frequency and power factor (inductive/capacitive indication)
- Active energy

Unit of measurement: display according to the CT ratios
Automatic change of rating
Energy metering: totalising 9 digits in kWh, resolution 10 Wh

Input:
Voltage measurement consumption < 1 VA per phase
Current measurement consumption < 0.5 VA per phase

Auxiliary power supply:
Voltage 230 V single phase (+/- 10%)
Frequency 50 Hz (47 to 63 Hz)
Consumption < 6 VA - 3.5 W

Output:
Energy pulse: duration > 100 ms
Via volt free contact

Connection
3 or 4-wire connection - 3 CT

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Isolating switches
Selection chart

VISTOP VISIBLE LOAD BREAK SWITCHES

Rating (A)	Black handle			
	Front handle		Side handle	
	3 P	4 P	3 P	4 P
63	225 12	225 15	225 16	225 18
100	225 20	225 22	225 25	225 27
125	225 34	225 39	225 44	225 46
160	225 51	225 53	225 54	225 56

DPX-IS VISIBLE LOAD BREAK SWITCHES

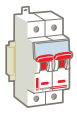
Rating (A)	Without release					
	Front handle		Right-hand side handle		Left-hand side handle	
	3 P	4 P	3 P	4 P	3 P	4 P
160	266 02		266 12		266 22	
250	266 03	266 07	266 13	266 17	266 23	266 27
400	266 60	266 62	266 64	266 66	266 68	266 70
630	266 61	266 63	266 65	266 67	266 69	266 71
800	265 91	265 95	with release			
1 000	265 92	265 96	with release			
1 250	265 93	265 97	with release			
1 600	265 94	265 98	with release			

DPX-I TRIP-FREE SWITCHES

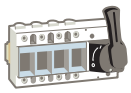
Rating (A)	Devices	3 P
125	DPX-I 125	250 98
160	DPX-I 160	251 98
250	DPX-I 250 ER	252 98
250	DPX-I 250	253 98
400	DPX-I 630	255 86
630	DPX-I 630	255 88
800	DPX-I 1 600	257 94
1 250	DPX-I 1 600	257 96
1 600	DPX-I 1 600	257 98

DX-IS ISOLATING SWITCHES

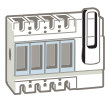
Rating (A)	Without release			
	1 P	2 P	3 P	4 P
16	043 01	043 21		
20	043 02	043 22	043 42	043 62
32	043 05	043 25	043 45	043 65
40	043 07	043 27	043 47	043 67
63	043 10	043 30	043 50	043 70
100	043 14	043 34	043 54	043 74
125		043 38	043 58	043 78



DX-IS
- Isolation with positive contact indication from 16 to 125 A
- Tripping version (common DX auxiliaries)
- Red handle: main device
- Faulty contact indicator
- Fixing on rail ⊓



VISTOP
- Isolation with visible contact indication from 63 to 160 A
- Fixing on ⊓ rail or on plate
- External reversible side handle or front handle



DPX-IS
- Isolation with visible contact indication from 160 to 1 600 A
- Fixing on ⊔ rail or on plate up to 250 A. Above 250 A, fix on plate
- Tripping version (common DPX auxiliaries)

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DPX-I 125 to 1 600 A
Trip-free switches

250 98

255 88

Conform to IEC 60947-3
Category of use AC 23 A
Can be associated to earth leakage modules or to corresponding DPX residual current relays
Mount on rail 2 up to DPX 250 ER
Connection identical to corresponding DPX

Pack	Cat.No	DPX-I 125
	3P	In
1	250 98	125 A

		DPX-I 250 ER
	3P	In
1	251 98	160 A

		DPX-I 250 ER
	3P	In
1	252 96	160 A
1	252 98	250 A

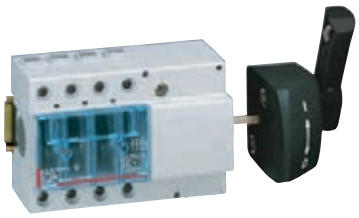
		DPX-I 250
	3P	In
1	253 98	250 A

		DPX-I 630
	3P	In
1	255 86	400 A
1	255 88	630 A

		DPX-I 1 600
	3P	In
1	257 96	1 250 A
1	257 98	1 600 A

Vistop™ isolating switches
63 to 160A

225 15



225 18

Safety isolating switches with visible breaking of load and positive action of the contacts
Double breaking of the phases by self-cleaning snap open/close action contacts
Label holders for identification of the circuits
Connection via cage terminals tightened by Allen key (except 63 A ; by PZ 2 screws)
Screw-fixing or fixing on EN 50022 rail ⎵ (only on rail for 63 A Vistop)

Two versions for mounting on faceplate:

- With left or right external side handle with seal to maintain the IP protection (up to IP 55), mounting accessories, self-adhesive drilling template, adjustable extension rod (30 to 170 mm)
- With direct or external front handle with Cat. No. 227 32 to be ordered separately

Possibility of attaching a 2-pole - 16 A auxiliary isolating switch Cat. No. 227 22, or one or two N/C + N/O auxiliary Cat. No. 227 04/07

Pack	Cat. No.		63 to 160A	
	Front handle	Side handle	63 A	No of 17.5 mm modules
1	225 12	225 16	3-pole	7
1	225 15	225 18	4-pole	7
			100 A	
1	225 20	225 25	3-pole	7.5
1	225 22	225 27	4-pole	9
			125 A	
1	225 34	225 44	3-pole	7.5
1	225 39	225 46	4-pole	9
			160 A	
1	225 51	225 54	3-pole	7.5
1	225 53	225 56	4-pole	9

Vistop™ accessories
for load break isolating switches Up to 160A

Pack	Cat. No.	Auxiliary contacts
		Set of 2 auxiliary switches for on/off signalling 5A/250V
1	227 04	Single pole auxiliary from 63A to 160A (1NO + 1NC)
1	227 07	Additional contact from 63A to 160A (2NO + 2NC)

		Door interlock facilities
		Extension shaft door interlock
1	227 32	For 63/100/125A /160 Vistop

		Sealable terminal shields
1	227 98	Set of 2 separate, sealable terminal shields Clip on upstream and/or downstream of Vistop 100 to 160 A
1	227 22	2P 16A Contact (Switch module) for Vistop 100/125/160A

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Vistop™ 63 to 160 A

Isolating switch ⌙⌜ rail mounting

Conform to standards NF C 63-130, NF EN 60947-3, IEC 60947-3, BS EN 60947-3, VDE 0660, NBN EN 60947-3,

CNOMO E03 - 15-611 R, Veritas approved

Version with red handle/yellow front plate conforms to standards NF C 79-130, VDE 0113, IEC 60204-I, EN 60204

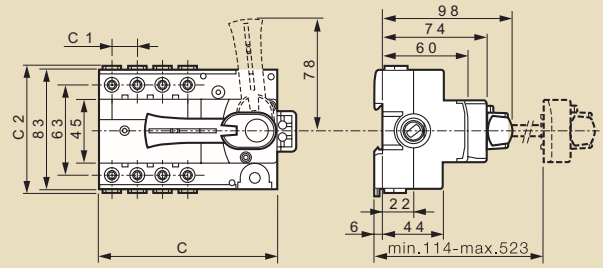
Glass fibre reinforced insulating casing, self-extinguishing at 960° C (IEC NF EN 60695-2-1)

Handle can be padlocked in open position using 1-3 padlocks Ø 6 mm

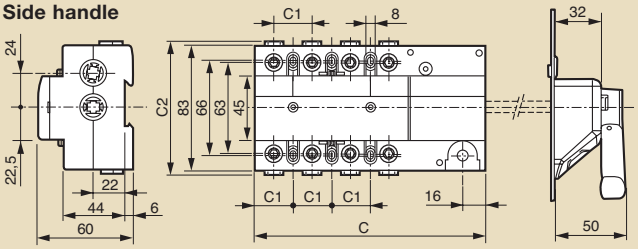
Vistop™ 63 to 160 A - visible contact indication

Accept auxiliary contacts N/C + N/O (cat. No 227 04/07) 1 or 2 (side handle)

Front handle

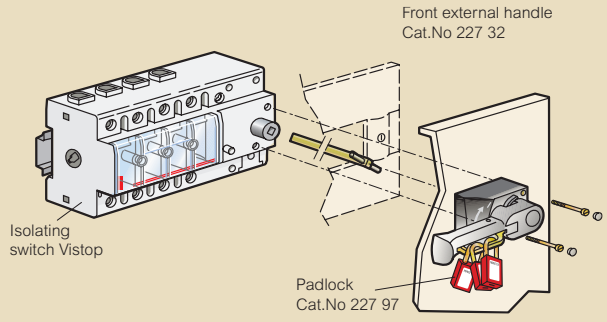


Side handle



	Front handle			External side handle		
	63 A	100 A, 125 A, 160 A		63 A	100 A, 125 A, 160 A	
	3 and 4-pole	3P	4 P	3 and 4-pole	3 P	4 P
C	125	133	160	125	133	160
C_1	17.7	26.7		17.7	26.7	
C_2	90	91		90	91	

■ 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

Electrical characteristics

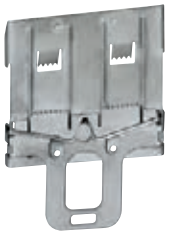
Thermal rating (Ith)		63 A	100 A	125 A	160 A
Terminals		cage	cage	cage	cage
Connec- tion	Cu(flexible)	4 to 35²		4 to 50 mm²	
	Cu (rigid)	4 to 50²		4 to 70 mm²	
Insulating voltage (Ui)		690 V~	800 V~	800 V~	800 V~
Impulse resistant voltage (U imp)		8 kV	8 kV	8 kV	8 kV
AC 22 A AC 23 A (1)	400 V	63 A (35 kW)	100 A (55 kW)	125 A (70 kW)	160 A (88 kW)
	500 V	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) (2)*		63	125	125	16 A
DC 23 A/250 V (1) (2)*		63	125	125	10 A
Breaking capacity (Icu) (kA peak)		15	15	15	15
1 s resistant current (kA rms) (Icw)		2,5	3,5	3,5	3,5
Icc with fuses (kA rms)		100	100	100	80
Fuse rupture capacity		63 A	100 A (gG) 63 A (aM) (3)	125 A (gG) 125 A (aM) (3)	160 A (gG) 125 A (aM)
Short circuit capacity (kA prospective peak) (Icm)		7	12	12	12
Mechanical endurance (No of operations)		> 30 000	> 30 000	> 30 000	> 30 000
Index of Protection		IP 2x B (IP 3x C under frontplates)	IP 2x B (IP 3x C under frontplate) from 10 mm²		

(1) Test conditions accordance with IEC 60947-3
AC = alternating current. DC = direct current. A = for frequent switching
AC 22 A/DC 22 A : resistive motor breaking
AC 23 A/DC 23 A : inductive motor breaking
(2) N° of breaking contacts: 2
(3) 100 A (aM) with blade type cartridge fuses
(4) Values correspond to the device mounted on Vistop 100 - 125 - 160 A
(5) Early break type of "AC"

DPX™-IS 250 isolating switches
160 to 250 A

266 07

266 17



262 39

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 the same electrical auxiliaries as the DPX (p. 29)

DPX-IS without release

Pack	Cat. No. 3P	Cat. No. 4P	
			Front handle
1	266 02		160 A
1	266 03	266 07	250 A
			Right-hand side handle
1	266 12		160 A
1	266 13	266 17	250 A
			Left-hand side handle
1	266 22		160 A
1	266 23	266 27	250 A

Mounting on rail

Pack	Cat. No.	
		Rail 4 fixing plate
1	262 39	For mounting DPX-IS 250

Rotary handles

Pack	Cat. No.	
		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	266 86	For front and side handle device

Accessories

Pack	Cat. No.	
		Cage terminals
1	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	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	265 10	Set of upstream and downstream terminals
		Terminal shields
1	262 87	Set of 2
1	262 99	Rail height spacer fits on Din Rail used to mount on the same row DX and DPX/DPX-IS

(1) Can not be mounted on side by side mounted earth leakage modules 160 A

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

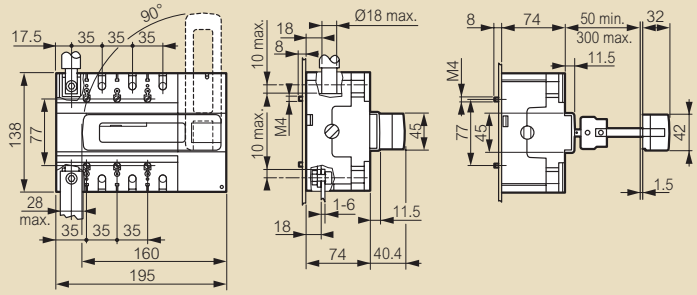
DPX™-IS 250 isolating switches

■ Electrical characteristics

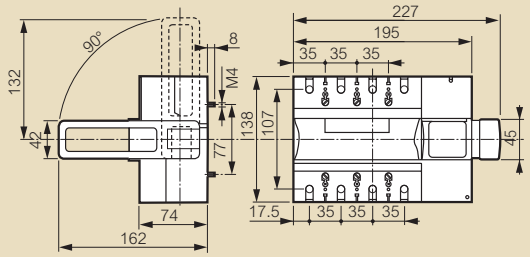
Rating		160 A	250 A
Connection	Cu flexible	150 mm²	
	Cu rigid / Alu	185 mm²	
Copper bar		Width max. 28 mm	
Nominal rating (Ue)		690 V~ - 250 V⎓	
Rated insulation voltage (Ui)		800 V~	
Rated impulse withstand voltage (Uimp)		8 kV~	
AC 23 A	400 V~	160 A	250 A
	690 V~	160 A	160 A
AC 22 A	690 V~	160 A	250 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	160 A	250 A
	aM	160 A	160 A
Rated closing capacity on short circuit (kA peak) (Icm)		40 kA	
Endurance	mechanical	25000 operations	
	electrical (AC 23 - 400 V~)	2500 operations	
Index of protection		IP 20 front panel	

■ Dimensions

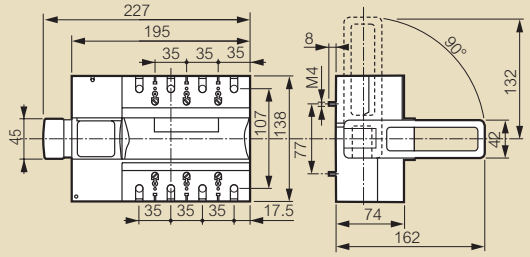
Front handle



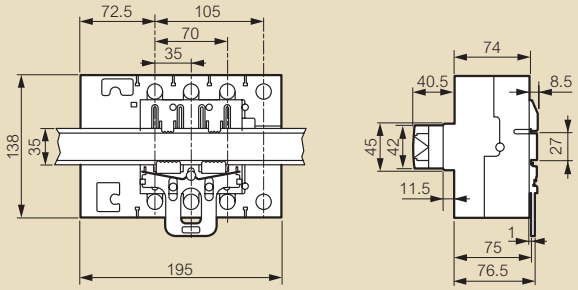
Right lateral handle



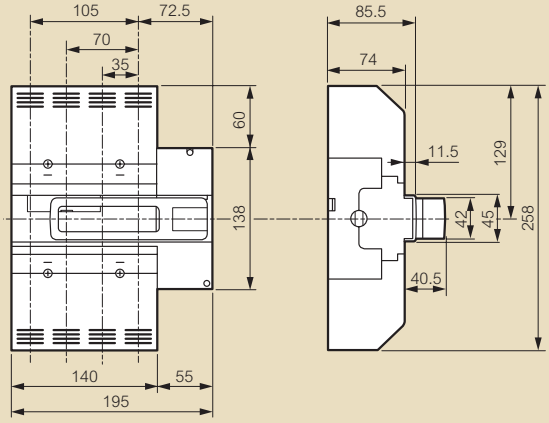
Left lateral handle



Mounted on rail Din

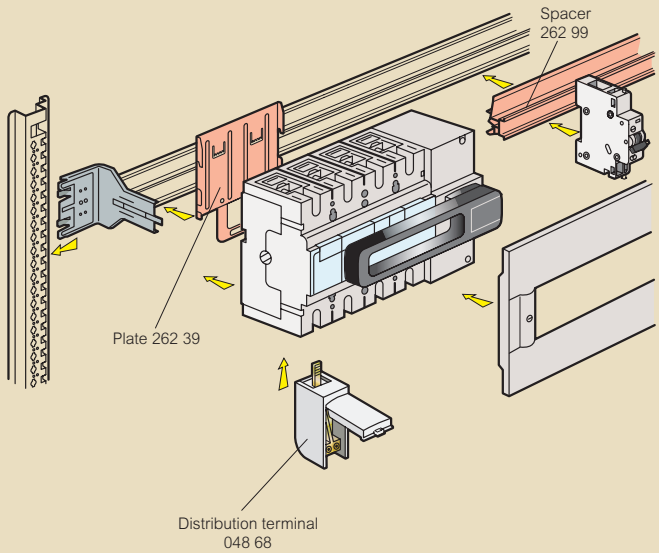


With terminal shields

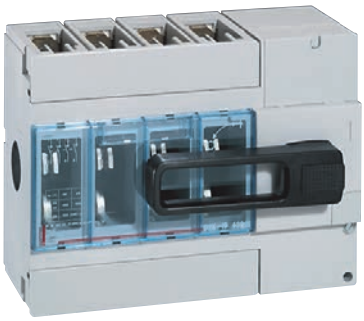


■ Mounting

Mounted on rail with plate



DPX™-IS 630 isolating switches
400 to 630 A



266 62

266 70

262 50

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 the same electrical auxiliaries as the DPX (p. 29)

DPX-IS without release

Pack	Cat. No. 3P	Cat. No. 4P	
			Front handle
1	266 60	266 62	400 A
1	266 61	266 63	630 A
			Right-hand side handle
1	266 64	266 66	400 A
1	266 65	266 67	630 A
			Left-hand side handle
1	266 68	266 70	400 A
1	266 69	266 71	630 A

Rotary handles

Pack	Cat. No.	
		Comprising: connecting rod, bracket, self-adhesive drilling template, fixing accessories (seal to maintain the IP protection up to IP 55, door lock mechanism)
1	266 86	For front and side handle device

Accessories

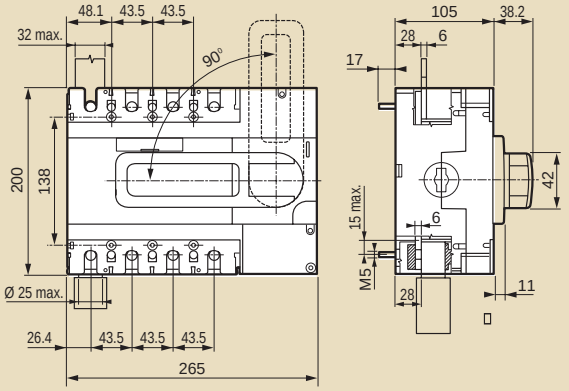
Pack	Cat. No. 3P	Cat. No. 4P	
			Cage terminals
1	262 50		Set of 4 terminals for cable 300 mm² max.(rigid) or 240 mm² max.(flexible)
			Spreaders
1	262 48	262 49	Set of incoming or outgoing spreaders
			Rear terminals
			Used to convert the fixed version with front terminals to the fixed version with rear
1	263 50	263 51	Set of incoming and outgoing swivel rear terminals
1	263 52	263 53	Set of incoming and outgoing flat rear terminals
			Sealable terminal shields
1	262 45		Set of 2
			Padlock
			For locking mechanism in open position
1	266 97		Ronis

Technical characteristics

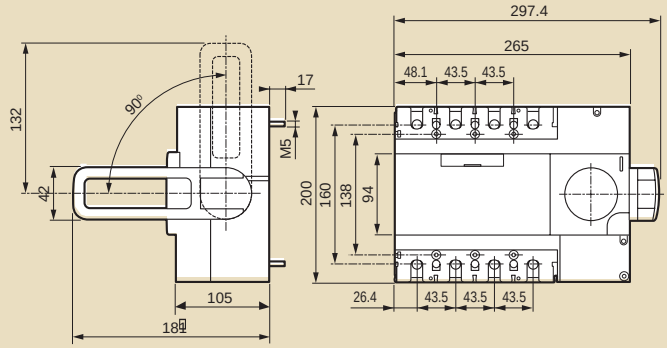
Rating		400 A	630 A
Terminals		cage	
Connection	Cu flexible	1 x 240 or 2 x 185 mm²	
	Cu rigid	1 x 240 or 2 x 185 mm²	
Copper bar		Width max 32 mm	
Nominal Rating (Ue)		690 V ac	
Rated insulation voltage (Ui)		800 V ac	
Rated impulse withstand voltage (Uimp)		8 kV ac	
AC 23 A	400 V ac	400 A	630 A
	500 V ac	400 A	630 A
	690 V ac	400 A	630 A
AC 22 A	690 V ac	400 A	630 A
I admissible Is (Icw)		20 kA RMS	
I admissible with fuse (kA efficient) (Icc)		100 kA	
Max. rating of fuse gG		400 A	630 A
Max. rating of fuse aM		400 A	630 A
Short-circuit making capacity (kA efficient) (Icm)		40 kA	
Mechanical endurance		15 000 operations	
Electrical endurance (AC 23 400 V ac)		1 500 operations	
Index of protection		IP 20 front panel	

Dimensions

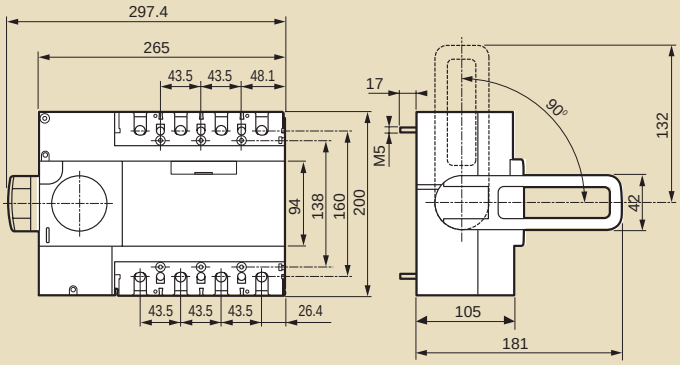
Front handle



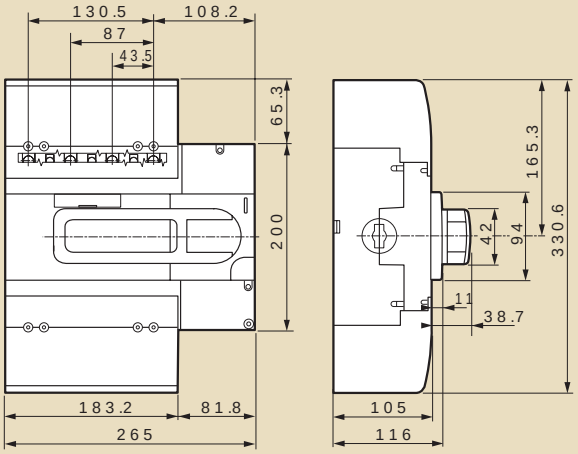
Right lateral handle



Left lateral handle



Front handle with terminal shields



DPX-IS 1 600 isolating switches
800 to 1 600 A

DPX-IS 1 600 isolating switches

265 98

262 65

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

Pack	Cat. No. 3 P	Cat. No. 4 P	DPX-IS with release
			Supplied without shunt release Can be associated with a residual current relay with separate coil
			Front handle
1	265 91		800 A
1	265 92		1 000 A
1	265 93	265 97	1 250 A
1	265 94	265 98	1 600 A

Pack	Cat. No. 3 P	Cat. No. 4 P	Mounting accessories
			Sealable terminal shields
1	262 64	262 65	Set of 2 short terminal shields
			Insulation shields
			Used to isolate the connections between each pole
1	262 66		Set of 3 insulation shields

Pack	Cat. No.	Connection accessories
		Cage terminals
1	262 69	Set of 1 terminal for cables 2 x 240 mm² max. (rigid) or 2 x 185 mm² max. (flexible)
1	262 70	Set of terminal for cables 4 x 240 mm² max. (rigid) or 4 x 185 mm² max. (flexible)
		Spreaders
		For increasing the distance between each pole to be connected
	3 P / 4 P	
1	262 73 / 262 74	Set of upstream or downstream spreaders
		Rear terminals
		Set of 6 (or 8) rear terminals, upstream or downstream
1	263 80 / 263 82	Short terminals
1	263 81	Long terminals
		Extended front terminals
1	262 67	Short terminals
1	262 68	Long terminals

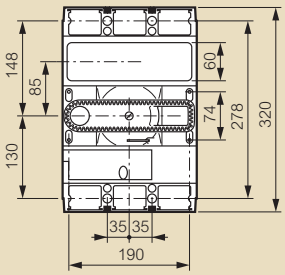
Common auxiliaries to DPX (p. 29)

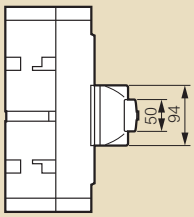
■ Electrical characteristics

Rating		800 A	1 000 A	1 250 A	1 600 A
Connection	Cu flexible	2 x 185 mm² or 4 x 185 mm²			
	Cu rigide	2 x 240 mm² or 4 x 240 mm²			
	Alu	2 x 240 mm² or 4 x 240 mm²			
Copper bar		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	1 000 A	1 250 A	1 600 A
	500 V±	800 A	1 000 A	1 250 A	1 600 A
	690 V±	800 A	1 000 A	1 250 A	1 600 A
DC 23 A	250 V±	800 A	1 000 A	1 250 A	1 600 A
I admissible is for 1s (Icw)		20 kA RMS			
I admissible with fuse (Icc)		100 kA RMS			
Max. rating of fuse		800 A	1 000 A	1 250 A	1 600 A
Short-circuit making capacity (kA peak) (Icm)		40 kA			
Mechanical endurance		10 000			
Electrical endurance (AC 23 A - 400 V~)		3 000	3 000	2 000	2 000
Index of protection		IP 20 front panel			

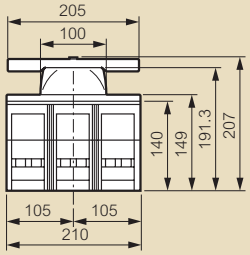
■ Dimensions

3P

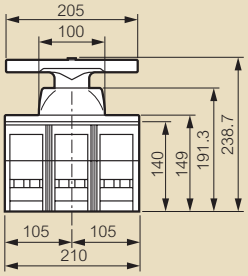




Without handle extension



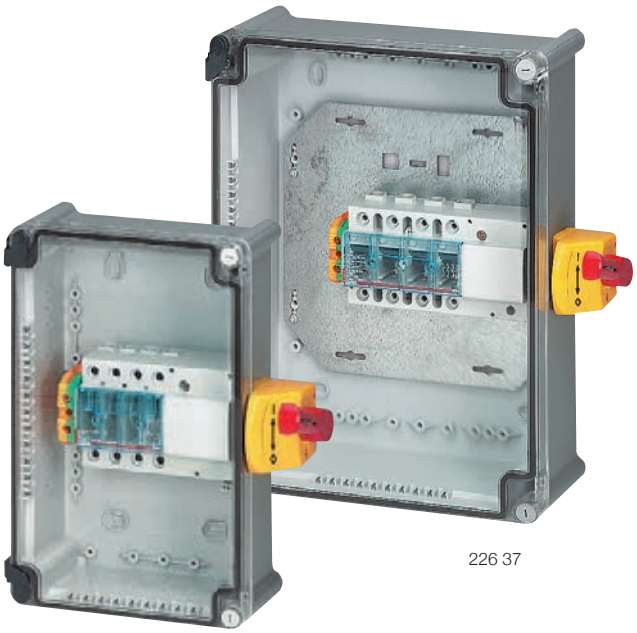
With handle extension



Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Proximity switching 63 to 160 A
IP65

Proximity switching 63 to 160 A



226 37

226 17

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

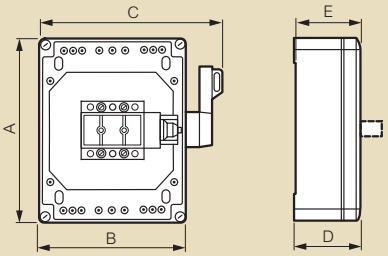
■ Full load switch units 63 to 160 A

Electrical characteristics

Identical to corresponding Vistop isolating switch

Switch units	Cat. No.	Characteristics
63 A	226 15/17	Vistop 63 A
100 A	226 25/27	Vistop 100 A
125 A	226 33/34	Vistop 125 A
160 A	226 35/37	Vistop 160 A

Dimensions



Cat. No.		A	B	C	D	E
226 15/17	**63 A**	290	190	263	95	102
226 25/27/33/34	**100/125 A**	332	262	316	132	132
226 35/37	**160 A**	382	292	346	132	132

Pack	Cat. No.	**Full load switch units 63 to 160 A**		
		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)		
		63 A - IK 07		
		Supplied with 2 cable glands 29P - ISO 32		
1	226 15	**3P**	cage terminals	50 mm²
1	226 17	**4P**	50 mm² flexible 70 mm² rigid	50 mm²
		100 A - IK 07		
		Supplied with 2 cable glands 36P - ISO 50		
1	226 25	**3P**	cage terminals	50 mm²
1	226 27	**4P**	50 mm² flexible 70 mm² rigid	50 mm²
		125 A - IK 07		
		Supplied with 2 cable glands 36P - ISO 50		
1	226 33	**3P**	cage terminals	50 mm²
1	226 34	**4P**	50 mm² flexible 70 mm² rigid	50 mm²
		160 A - IK 07		
		Supplied with 2 cable glands 36P - ISO 50		
1	226 35	**3P**	cage terminals	50 mm²
1	226 37	**4P**	50 mm² flexible 70 mm² rigid	50 mm²

Practical and completely safe

Isolating fuse carriers

058 06

058 28

Dimensions (p. 100)

Conform to standard IEC 60269-2/2.1 and to NF C 63-210. 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

Modular fuse carriers

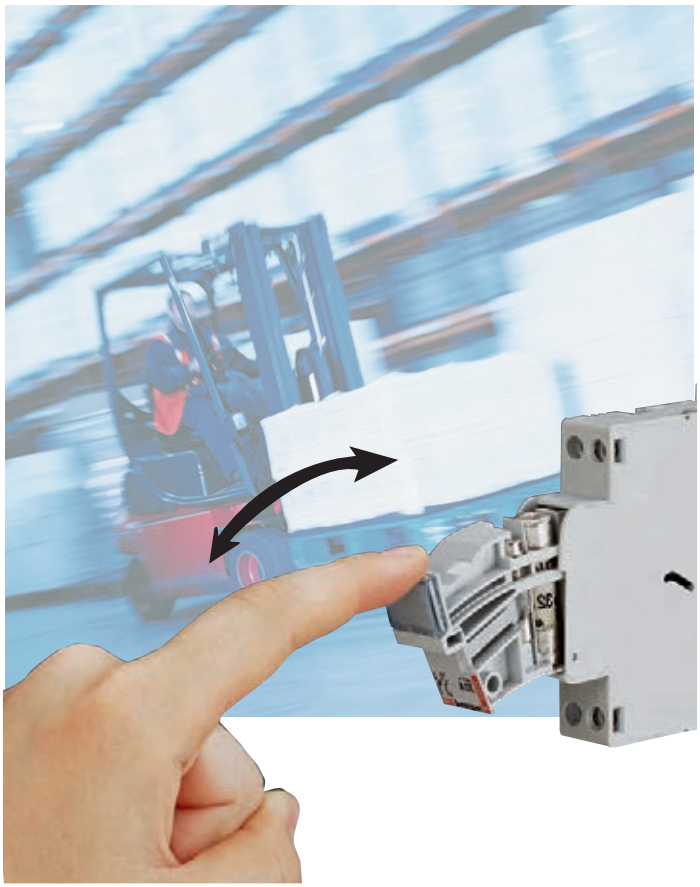
Pack	Cat. No.	Cartridge dimensions (mm)	Voltage	Number of 17.5 mm modules
		Single pole		
10	058 06 (1)	8.5 x 32	400 V~	1
10	058 08	10 x 38	500 V~	1
		Single pole + neutral		
10	058 18	10 x 38	500 V~	1
		Double pole		
5	058 28	10 x 38	500 V~	2
		3-pole		
3	058 38	10 x 38	500 V~	3
		3-pole + neutral		
2	058 48	10 x 38	500 V~	4

Blow-out indicator

Accessories

10	057 90	Blow-out indicator 250 V~
1	057 96	Early break N/O + N/C contact auxiliary 5 A - 250 V~ (0.5 mod.)
3	057 99	Padlock support suitable for ø4mm padlocks

(1) Previously 8.5 x 31.5



- **Each fuse carrier is designed to take:**
- a blow-out indicator
- a padlock
- **Cartridge totally visible**
- **Class II insulation along the entire length of the carrier**

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

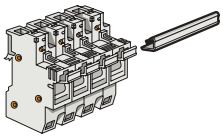
SP fuse carriers
With protected terminals

215 04

216 01

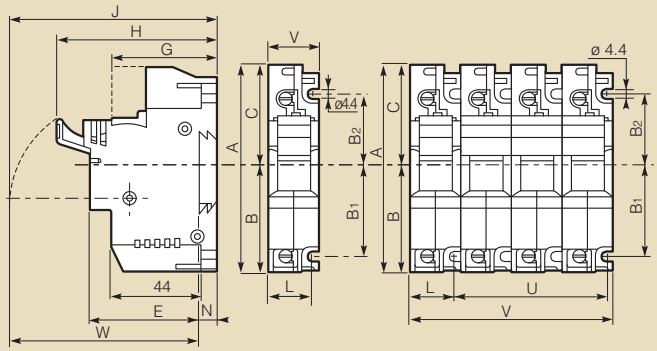
Conform to IEC 60269-2
Veritas approved
Height under front plate : 44 mm
3 rail mounting or panel mounting
IP2X - IP2XC under front plate

Pack	Cat. No.	SP 51 for HRC fuses 14 x 51	Connection	No of 17.5 mm modules
5	215 01	**Single pole**	1 x 35 mm² or	1.5
1	215 04	**Triple pole**	2 x 16 mm²	4.5
		SP 58 for HRC fuses 22 x 58		
3	216 01	Single pole1 x 50 mm²	2 or	
1	216 04	Triple pole	2 x 25 mm²	6
		With 5 A - 250 V~ changeover micro-switch		
		Signalling and cut-out functions Supplied with 3 x 2.8 mm clips		
1	216 36	Triple pole	1 x 50 mm² or 2 x 25 mm²	6

Pack	Cat. No.	Accessory	
5	216 96	**Link handle for association of single pole units** SP 51 or SP 58 Length 300 mm Can be cut to required length HRC cartridge fuses	

SP fuse carriers
With protected terminals

SP 51 and SP 58



In mm	A	B	B_1	B_2	C	E	G	H 1 P	H multi.	J 1 P
SP 51	106	54.5	45	35	51.5	55	53	81	84	96
SP 58	140	74	65	45	66	59	53	87	90	111

In mm	J multi.	L	N	U 2 P	U 3 P	U 4 P	V 1 P	V 2 P	V 3 P	V 4 P	W 1 P	W multi.
SP 51	99	20.7	9	26.5	53	79.5	26.5	53	79.5	106	87	90
SP 58	114	27	9	36	72	108	36	72	108	144	101	109

Choice of equipment

Type	Rated current	Maximum cartridge rating 400 V± gG	400 V± aM	500 V± gG	500 V± aM	690 V± gG	690 V± aM
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 standardised according to IEC 60269-2/2-1
They can be reduced under certain specific applications

Index of protection: IP 2X - IP 2XC - under casing

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 in 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

Domestic fuse carriers

058 11

058 14

058 21

058 24

Dimensions (p. 100)

With label-holders
With insulated carrier class II O, padlockable
Coupling via supply busbars
Shielded terminals capacity 2 x 10 mm²
Indicator to signal blown fuse with Cat. No. 057 90

For domestic cylindrical cartridge fuses

Conform to NF C 61-203 and IEC 60269-3/3.1
Fuse not supplied

Single pole

Pack	Cat. No.	For domestic cartridges	Cartridge dimensions (mm)	Number of 17.5 mm modules
10	058 10	10 A - 230 V~	8.5 x 23	1
10	058 11	16 A	10.3 x 25.8	1
10	058 12	20 A - 400 V~	8.5 x 31.5	1
10	058 13	25 A	10.3 x 31.5	1
10	058 14	32 A	10.3 x 38	1

Single pole + neutral

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

For miniature cylindrical cartridge fuses

To protect sensitive equipment:
transformers, electronic equipment, etc.
Conform to standard IEC 60127-6
Fuse not supplied (see opposite)

Single pole

Pack	Cat. No.	Cartridge dimensions (mm)	Voltage	Number of 17.5 mm modules
5	058 00	5 x 20	250 V~	1

Domestic cartridge fuses

102 63

103 06

Miniature type 5 x 20

Instant reaction fuse - Ceramic body
Conform to IEC 60127 - NF EN 60127 - VDE 0820-1
High rupture capacity (A)
For use with dimmers, Viking terminals and emergency lighting units

Pack	Cat. No.	Rating (Amps)	Voltage~ (Volts)	Rupture capacity (Amps)
10	102 02	0.2		
10	102 05	0.5		
10	102 06	0.63		
10	102 10	1.0		
10	102 12	1.25		
10	102 16	1.6		
10	102 20	2.0	250	1500
10	102 25	2.5		
10	102 30	3.15		
10	102 50	5.0		
10	102 63	6.3		
10	102 96 (1)	10.0	250	500

Cylindrical - without indicator

		Rating (Amps)	Voltage~ (Volts)	Rupture capacity (Amps)	Protected section (mm2) Copper
		6.3 x 23			
10	103 06 (1)	6	230	6 000	1.5
		8.5 x 23			
10	113 02	2			
10	113 04	4			
10	113 06	6	230	6 000	1.5
10	113 10	10			
		10.3 x 25.8			
10	116 06 (2)	6			
10	116 10 (2)	10	230	6 000	2.5
10	116 16 (2)	16			
		8.5 x 31.5			
10	123 01	1			
10	123 02	2			
10	123 04	4			
10	123 06	6			
10	123 08	8	400	20 000	2.5
10	123 10	10			
10	123 12	12			
10	123 16	16			
10	123 20	20			
		10.3 x 31.5			
10	126 16	16			
10	126 20	20	400	20 000	4
10	126 25	25			
		10.3 x 38			
10	133 32	32	400	20 000	6
		Neutral links			
10	123 00	8.5 x 31.5			
10	133 00	10 x 38			

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

HRC cartridge fuses

120 04

133 08

143 10

140 12

153 96

150 50

Technical data and dimensions (p. 64 - 65)

Cylindrical type gG

Conform to EN 60269-1, IEC 60269-1, and 2
Veritas approved

Pack	Cat. No.	Without indicator	Rating (Amps)	Voltage ~ (Volts)	Rupture capacity (Amps)
			8 x 32 (previously 8.5 x 31.5)		
10	123 01		1		
10	123 02		2		
10	123 04		4		
10	123 06		6	400	20000
10/**100**	123 10		10		
10			10		
10/**100**	123 16		16		
		Without indicator	**10 x 38 HRC**		
10	133 94		0.5		
10	133 01		1		
10	133 02		2		
10	133 04		4		
10	133 06		6	500	100000
10	133 08		8		
10	133 10		10		
10	133 16		16		
10	133 20		20		
10	133 25		25		
		Without striker	**14 x 51 HRC**		
10	143 02		2		
10	143 04		4		
10	143 06		6		
10	143 10		10		
10	143 16		16		
10	143 20		20	500	100000
10	143 25		2		
10	143 32		32		
10	143 40		40		
10	143 50(1)		50		
		Without striker	**22 x 58 HRC**		
10	153 16		16		
10	153 20		20		
10	153 25		25		
10	153 32		32		
10	153 40		40		100000
10	153 50		50	500	
10	153 63		63		
10	153 80		80		
10	153 96		100		
10	153 97(1)		125	400	

Cylindrical type aM (motor rated)

Conform to EN 60269-1, IEC 60269-1 and 2
Veritas approved

Pack	Cat. No.	Without indicator	Rating (Amps)	Voltage ~ (Volts)	Rupture capacity (Amps)
			10 x 38 HRC		
10	130 95		0.50		
10	130 01		1		
10	130 02		2		
10	130 04		4		
10	130 06		6		
10	130 08		8	500	100000
10	130 10		10		
10	130 12		12		
10	130 16		16		
10	130 20(2)		20	400	
10	130 25(2)		25	400	
		Without striker	**14 x 51 HRC**		
10	140 08		8		
10	140 10		10		
10	140 12		12	500	100000
10	140 16		16		
10	140 20		20		
10	140 25		25		
10	140 32		32		
10	140 40		40		
10	140 50(1)		50	400	
		Without striker	**22 x 58 HRC**		
10	150 25		25		
10	150 32		32		
10	150 40		40		
10	150 50		50	500	100000
10	150 63		63		
10	150 80		80		
10	150 96		100		
10	150 97		125		400

Neutral links

10	123 00	8 x 32 (previously 8.5 x 31.5)
10	133 00	10 x 38
10	143 00	14 x 51
10	153 00	22 x 58

Isolating fuse carriers 8.5 x 32 and 10 x 38 (p. 58)

(1) Overrating described by standards
(2) Overrating not described by standards

HRC blade type cartridge fuses
gG/aM type

168 35

178 65

171 60 (with striker)

Technical data and dimensions (p. 64)

Type gG (IEC) / gL (VDE)

Conform to EN 60269-1
IEC 60269-1, 2 and VDE 0636-1
Veritas approved

Fully insulated end plate and handle lugs

Pack	Cat. No.		Rating (Amps)	Voltage ∿ (Volts)	Rupture capacity (Amps)
	With indicator	With striker			
			Size 00		
10	163 18		25		
10	163 20		32		
10	163 22		35		
10	163 25		40		
10	163 30		50	500	120000
10	163 35		63		
10	163 40		80		
10	163 45		100		
10	163 50		125		
10	163 55		160		
			Size 0		
3	168 35		63		
3	168 40		80		
3	168 45		100	500	120000
3	168 50		125		
3	168 55		160		
3	168 60 (1)		200		
			Size 1		
3	173 50		125		
3	173 55		160	500	120000
3	173 60		200		
3	173 65		250		
			Size 2		
3	178 60		200		
3	178 65		250	500	120000
3	178 70		315		
3	178 75		400		
			Size 3		
3	181 25		500	500	120000
3	181 30		630		

(1) Overrating not described by standards

Type aM (motor rated)

Conform to EN 60269-1
IEC 60269-1, 2 and VDE 0636-1
Veritas approved

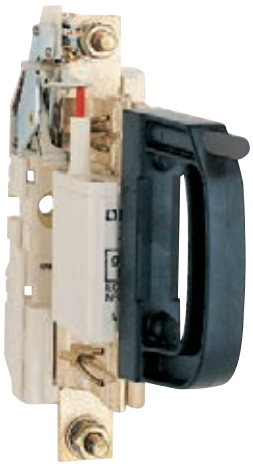
Fully insulated end plate and handle lugs

Pack	Cat. No.		Rating (Amps)	Voltage ∿ (Volts)	Rupture capacity (Amps)
	With indicator	With striker			
			Size 00		
3	160 25		40		
3	160 30		50		
3	160 35		63	500	120000
3	160 40		80		
3	160 45		100		
3	160 50		125	400	
			Size 0		
3		166 35	63		
3		166 40	80		
3		166 45	100	500	120000
3		166 50	125		
3		166 55	160		
			Size 1		
3	170 50	171 50	125		
3	170 55	171 55	160	500	120000
3	170 60	171 60	200		
3	170 65	171 65	250		
			Size 2		
3	175 60	176 60	200		
3	175 65	176 65	250	500	120000
3	175 70	176 70	315		
3	175 75	176 75	400		
			Size 3		
3	180 25	180 75	500	500	120000
3	180 30	180 80	630		
			Neutral blades		
10	163 04		Size 00		
1	168 04		Size 0		
1	173 04		Size 1		
1	178 04		Size 2		
1	181 04		Size 3		

Blade type cartridge fuses
Bases

160 00

160 05


175 02 base + cartridge size
2 Cat. No. 178 70 + handle 199 02

Terminal shield 199 22

199 16

Technical data and dimensions (p. 64)

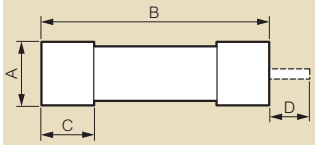
Bases for blade type DIN fuses

Pack	Cat. No.	Size	Number of pole	Amps
		Screw mounting		
3	160 00	00	1 P	100 A
1	160 04	00	3 P	100 A
3	162 00	00	1 P	125/160 A
1	162 04	00	3 P	125/160 A
		DIN rail mounting		
3	160 01	00	1 P	100 A
1	160 05	00	3 P	100 A
		DIN rail or screw mounting		
3	165 00	0	1 P	160 A
3	165 02	0	1 P	160 A
1	165 03	0	3 P	160 A
3	170 00	1	1 P	250 A
1	170 02	1	1 P	250 A
1	170 03	1	3 P	250 A
3	175 00	2	1 P	400 A
1	175 02	2	1 P	400 A
1	175 03	2	3 P	400 A

Accessories

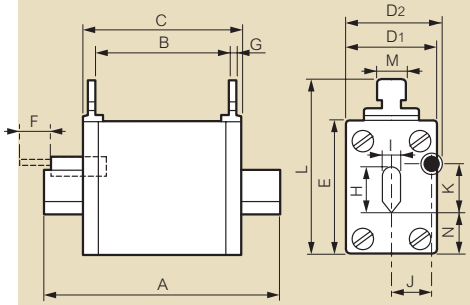
Pack	Cat No.	
5	199 02	**Handle for all sizes**
		Separation dividers
10	199 09	Size 00 (for cat. No 160 01 and cat. No 162 00)
10	199 15	Size 0
10	199 16	Size 1
10	199 17	Size 2
2	199 18	Size 3
		Terminal shields
		For fuse bases
10	199 20	Size 00
10	199 21	Size 0
10	199 22	Size 1
10	199 23	Size 2

■ HRC cylindrical



Size (mm)	A	B	C	D
8 x 32	8.5	31.5	6.3	-
10 x 38	10.3	38	10	-
14 x 51	14.3	51	13	7.5
22 x 58	22.2	58	16	7.5

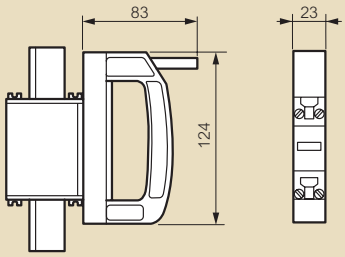
■ Blade type



Size (mm)	00	0	1	2	3
A	78	125	135	150	150
B	44	62	64	64	61
C	52	67	74	74	75
D1	30	36	47	50	70
D2	-	39	47	50	64
E	46	46	52	60	75
F	-	14	14	14	14
G	2.5	2.5	3	3	2.5
H	15	15	21	28	36
I	6	6	6	6	6
J	-	14.5	16	19	23
K	-	14.5	14.5	14.5	14.5
L	59	59	64	72	88
M	10	10	10	10	10
N	14.5	14.5	14.5	14.5	18

Note: Force of striker at the beginning of stroke 1.9 kg and 1 kg at the end according to NF C 63-213

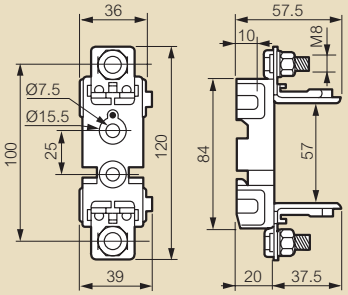
■ Removable handle



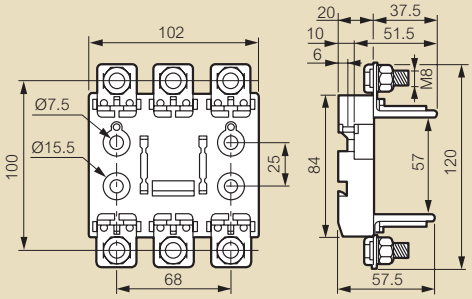
■ Bases for blade type

Size 0 to 3

Single pole Cat. No. 160 01 - 162 00

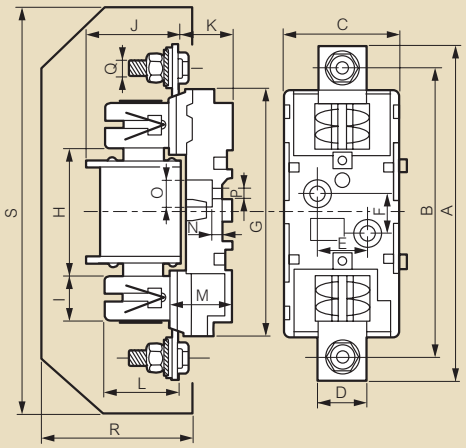


Triple pole Cat. No. 160 05 - 162 04



Sizes 0 to 3

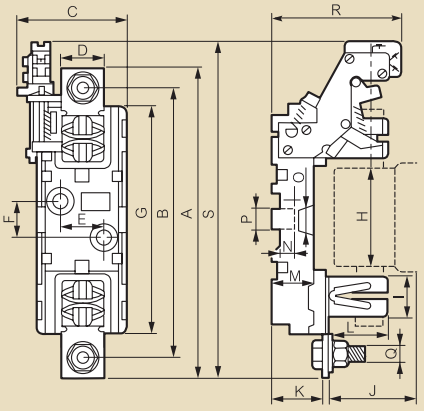
Single pole without micro-switch



Size (mm)	0	1	2	3
A	171	200	225	250
B	150	175	200	210
C	47	59	67	82
D	20	25	30	41
E	-	30	30	30
F	25	25	25	25
G	125	150	170	158
H	75	80	80	83
I	23	28	32	35
J	68	68	83	92
K	24	35	35	35
L	43	46	58	68
M	28	38	39	40
N	11.5	13.5	13.5	14
O	14	20	20	20
P	7.5	10.5	10.5	10.5
Q	8	10	10	12
R	96	107	121	110
S	180	224	240	266

Size 0 to 3 (continued)

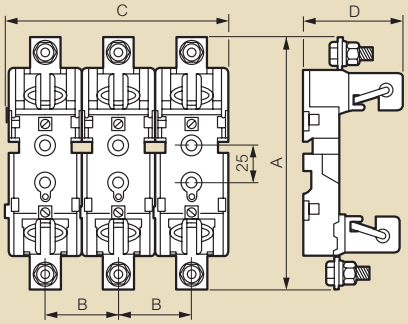
Single pole with micro-switch



Size (mm)	0	1	2	3
A	171	200	225	250
B	150	175	200	210
C	63	72	78	91
D	20	25	30	41
E	-	30	30	30
F	25	25	25	25
G	125	150	170	158
H	75	80	80	83
I	23	28	32	35
J	68	68	83	92
K	24	35	35	35
L	43	46	58	68
M	28	38	39	40
N	11.5	13.5	13.5	14
O	14	20	20	20
P	7.5	10.5	10.5	10.5
Q	8	10	10	12
R	75	85	90	94
S	198	215	229	242

Size 0 - 1 - 2

Triple pole



Size (mm)	0	1	2
A	171	200	225
B	48	62.5	68
C	144	180	204
D	67	81	93

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Selection charts

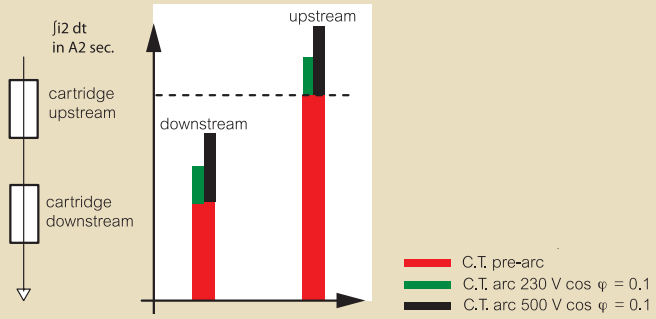
How to select a protection system ?

Depending on the type of failure, overload or short-circuit, use 2 series of data

1. Overloads: use the operating zone curves of the different protection devices. On the same row, the operating zones should not overlap

2. Short-circuits: use the $\int i^2t$ tables. The total $\int i^2t$ of the protection system the furthest downstream must be less than the upstream protection pre-arc $\int i^2t$

Example of good selection



Selection between cartridge fuses (according to IEC 60269-2-1)

Upstream rating gG cartridge fuse (A)	Downstream maximum rating determined according to class and voltage to obtain selection	
	aM	gG
2		
4	1	1
6	2	2
8	2	2
10	2	4
12	2	4
16	4	6
20	6	10
25	8	16
32	10	20
35	12	20
40	12	25
50	16	32
63	20	40
80	25	50
100	36	63
125	40	80
160	63	100
200	80	125
250	125	160
315	125	200
400	160	250
500	200	315
630	250	400

Upstream rating aM cartridge fuse (A)	Downstream maximum rating determined according to class and voltage to obtain selection	
	aM	gG
2	1	1
4	2	4
6	2	6
8	4	8
10	6	10
12	6	12
16	10	16
20	12	20
25	12	25
32	20	32
36	20	32
40	25	32
50	25	40
63	40	50
80	50	63
100	63	80
125	80	100
160	100	125
200	125	160
250	160	160
315	200	200
400	250	250
500	315	315
630	400	400

Motor protection

Motor three-phase									Cartridges													
230 V			400 V			500 V			10 x 38 ratings		14 x 51 ratings		22 x 58 ratings		S. 00 ratings		S. 0 ratings		S. 1 ratings		S. 2 ratings		S. 3 ratings	
kW	Hp	In A	kW	Hp	In A	kW	Hp	In A	gG	aM	gG	aM	gG	aM	gG	aM	gG	aM	gG	aM	gG	aM	gG	aM
			0.37	0.5	1.03	**0.75**	1	1.5	4	**2**	4	**2**												
0.37	0.5	1.8	**0.75**	1	2	**1.5**	2	2.6	6	**4**	6	**4**												
0.75	1	3.5	**1.5**	2	3.5	**2.2**	3	3.8	8	**4**	8	**4**												
1.1	1.5	4.4	**2.2**	3	5	**3.7**	5	5.9	12	**6**	12	**6**												
1.8	2.5	7	**3**	4	6.6	**4**	5.5	6.5	16	**8**	16	**8**	16											
2.2	3	8.7	**4**	5.5	8.5	**5.5**	7.5	9	20	**10**	20	**10**	20											
3	4	11.5	**5.5**	7.5	11.5	**7.5**	10	12	25	**12**	25	**12**	25		25									
4	5.5	14.3	**7.5**	10	15.5	**11**	15	18.4		**20** (1)	32	**20**	32	**20**	32	**20**								
5.5	7.5	20	**11**	15	22	**15**	20	23		**20** (1)	50	**25**	50	**25**	50	**25**								
7.5	10	27	**15**	20	30	**18.5**	25	28.5				**32**	50	**32**	50	**32**								
10	13.5	35	**18.5**	25	37	**25**	34	39.4				**40**	63	**40**	63	**40**	63							
11	15	39	**22**	30	44	**30**	40	45				**50** (1)	80	**50**	80	**50**	80							
15	20	52	**25**	34	51	**40**	54	60					100	**63**	100	**63**	100	**63**						
18.5	25	64	**30**	40	60	**45**	60	65						**80**	125	**80**	125	**80**	125					
22	30	75	**37**	50	72	**51**	70	75						**80**	125	**80**	125	**80**	125					
25	35	85	**45**	60	85	**63**	109	89						**100**	160	**100**	160	**100**	160					
30	40	103	**55**	75	105	**80**	110	112						**125** (1)		**125**	200	**125**	200	**125**	200			
45	60	147	**75**	100	138	**110**	150	156										**160**	250	**160**	250			
55	75	182	**90**	125	170	**132**	180	187												**200**	315	**200**		
75	100	239	**110**	150	205	**160**	220	220												**250**	400	**250**		
80	160	260	**132**	180	245	**220**	300	310														**315**		
90	125	295	**160**	218	300																	**315**		
110	150	356	**200**	270	370	**250**	340	360														**400**		
132	180	425	**250**	340	475	**335**	450	472																**500**
160	218	520	**315**	430	584	**450**	610	608																**630**

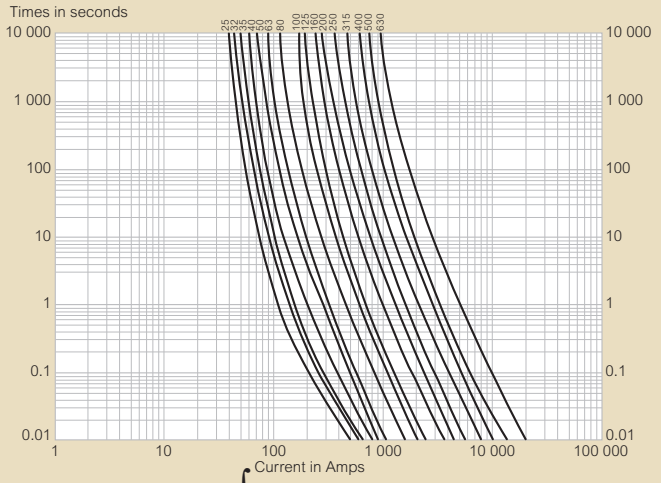
(1) 400 V max.

Blade cartridge fuses gG and aM types

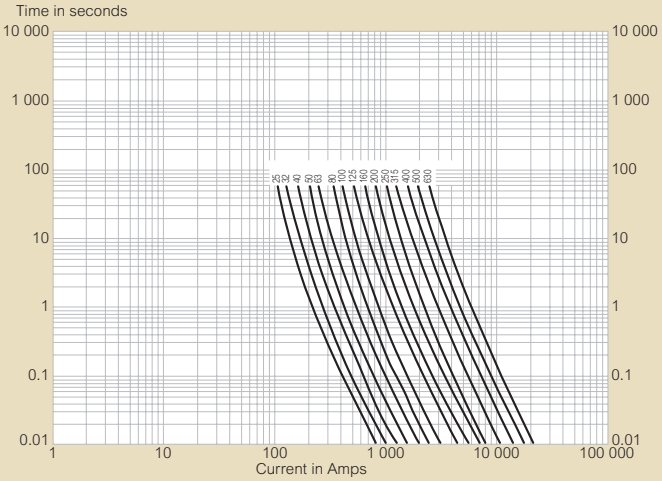
The gG or aM types protect the conductors of electrical circuits in the event of overbad or short-circuit
gG cartridge fuses:
The selectivity ratio is 1.6 instead of 2
The breaking capacity of 120000 A provides full protection in the most critical situations
aM cartridge fuses:
These cartridge fuses must be combined with a low-overload thermal protection device
The breaking capacity of 100000 A from size 10 x 38 upwards provides full protection in the most critical situations
Cylindrical industrial cartridge fuses can be used to protect DC circuits supplied at up to 48 V max.

■ Rupture capacity curves

gG type

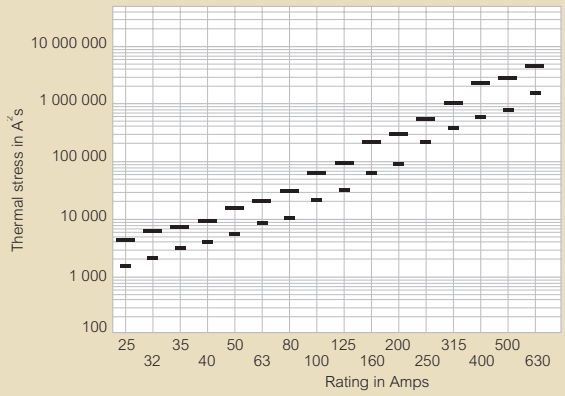


aM type



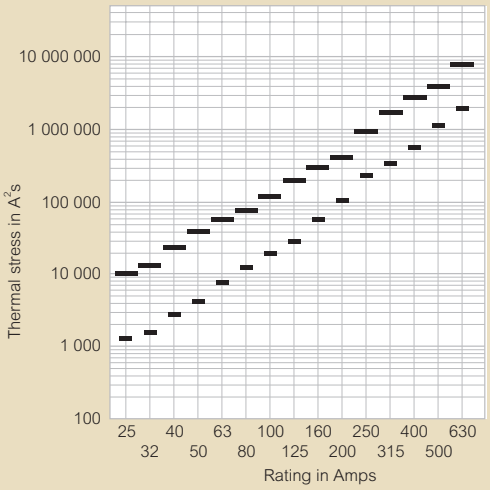
■ Thermal stresses ($\int I^2dt$)

gG type (for 500 V~)

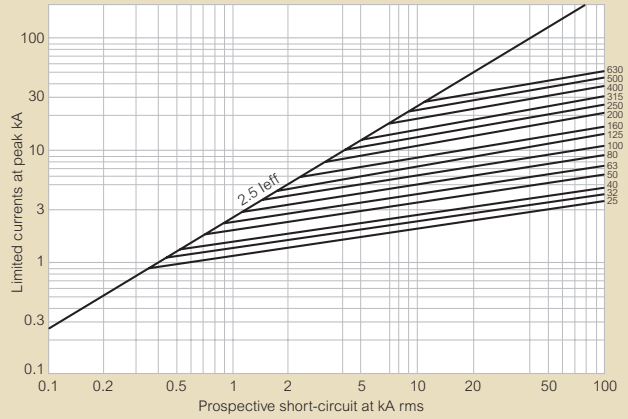


Total maximum thermal stress for critical current
Pre-arc thermal stress for critical current

aM type for 500 V~ - except 1250 A for 400 V



■ gG [1] type limitation curve



(1) For aM cartridge fuses, see technical data sheets in the Legrand e-catalogue

■ Consumption in watts when hot, at rated current

Fuse ratings (A)	Cartridge fuses			
	gG		aM	
	Size 00	Size 0 to 4	Size 00	Size 0 to 4
25	2.1		1.3	
32	3		1.8	
35	3			
40	3.3	4.2	2.5	
50	4.5	5.5	3	
63	6	6.5	3.6	3.9
80	7	8.5	5.2	5.5
100	7.5	9.5	6	6.5
125	13	12	7	8.5
160	15	15		11.5
200		19		13.5
250		23		17
315		24		24
400		33		28
500		36		34
630		45		41

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DC circuit protection
DC fuses and voltage surge protectors

4141 50

4146 82

Mounting on DIN rail

Pack	Cat. no.	
		Type 2 Voltage Surge Protectors DC protection for photovoltaic installations connected to low voltage network Conforming to UTE guide C 61-740-51 Protection in common mode and residual current mode (Y mode) Consist of a base and plug-in replacement modules with status indicator Red: plug-in modules needs replacing
		Surge Protectors

		Imax	($U_{=}$)	Protected poles
1	4141 60	25 kA	600	2
1	4141 51	40 kA	1000	2

Plug-in replacement modules

1	4141 90	for 25kA VSP cat no 414160
1	4141 91	Ground part for cat no 414160
1	4141 81	for 40kA VSP cat no 414151

DC Fuse Carriers
Category of use DC20B according to EN60947-3
Breaking capacity 50kA according to EN60269-1
1000$V_{=}$ fuse carriers for 10x38 cylindrical fuses

		Rating (A)	Protected poles	Modules
1	4146 81	20	1	1
1	4146 82	20	2	2

DC Fuses
Comform to IEC 60269-6 (gPV)
Isc max: 50kA L/R= 1ms
Cylindrical fuses 1000$V_{=}$ 10x38 mm

		Rating (A)
10	4146 25	5
10	4146 26	8
10	4146 27	10
10	4146 28	12
10	4146 29	15
10	4146 30	20

Viking 3 terminal blocks 1000 $V_{=}$
Screw junction Blocks for DC applications
To be mounted on symetric DIN rail, 15mm deep, according to the EN 60715
Ui ($V_{=}$) : 1000V, pollution 2 level according to the IEC 60664-1
Black colour
1 junction - 1 input / 1 output

		Nominal cross-section (mm^2)	Pitch (mm)
40	4148 00	4	8
30	4148 01	6	10
20	4148 02	10	12
20	4148 03	16	15
10	4148 04(1)	35	22

DC circuit protection
DC isolating switches

4142 21

Mounting on DIN rail

Pack	Cat. no.	
		DC Isolating Switches Category of use DC 21B according to EN 60947-3 Double break contacts Visible contact indication For auxiliaries please contact us Use spacing modules Cat.No 4 063 07 between 2 consecutive devices

800 $V_{=}$ isolating switches

		Rating (A)	Poles protected	Modules
1	4142 21	16	2	4
1	4142 23	25	2	4

DC rotary Isolating Switches
Category of use DC 21B according to EN 60947-3
Double break contacts
Visible contact indication

600$V_{=}$ Rotative Isolating Switches

		Rating (A)	Poles protected	Modules
1	4142 61	16	2	4
1	4142 62	25	2	4
1	4142 63	32	2	4

1000$V_{=}$ Rotative Isolating Switches

1	4142 81	32	2	7
1	4142 82	63	2	9
1	4142 83	125	2	9

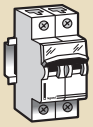
Accessories

1	4447	Insulated shield
10	4063 07	Spacing module

Plexo3 weatherproof enclosures (p. 112)

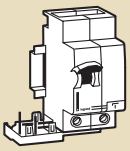
Lexic Din-rail equipment

Protection:
- DX
- DX-E
- DX-H
- DX-D
- RCD
- RCBO



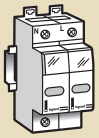
NEW

P. 74
DX-E; DX 6000
MCBs from
1 to 63A



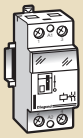
P. 77
DX RCBO
RCD

Voltage surge protectors, fuse carriers and fuses

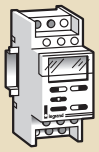


P. 82
Voltage surge
protection

Contactors and time switches



P. 88
Modular power
contactors



P. 95
AlphaRex Astro
digital
time switches

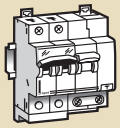
NEW

Single module RCBO
(P. 77)

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

P. 75
DX-H 10000
MCBs from 1 to 63A

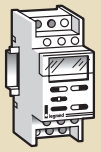
P. 76
DX-D
MCBs from 6 to 63A



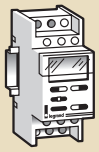
P. 78
Auxiliaries

P. 79
Technical characteristics

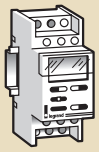
P. 86
Technical characteristics



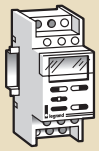
P. 90
AlphaRex digital time switches



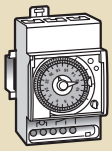
P. 91
MicroRex digital time switches



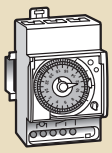
P. 92
EcoRex digital time switches



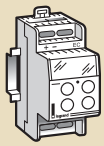
P. 93
AlphaRex 4 channel digital time switches



P. 95
Electro-mechanical Din time switches



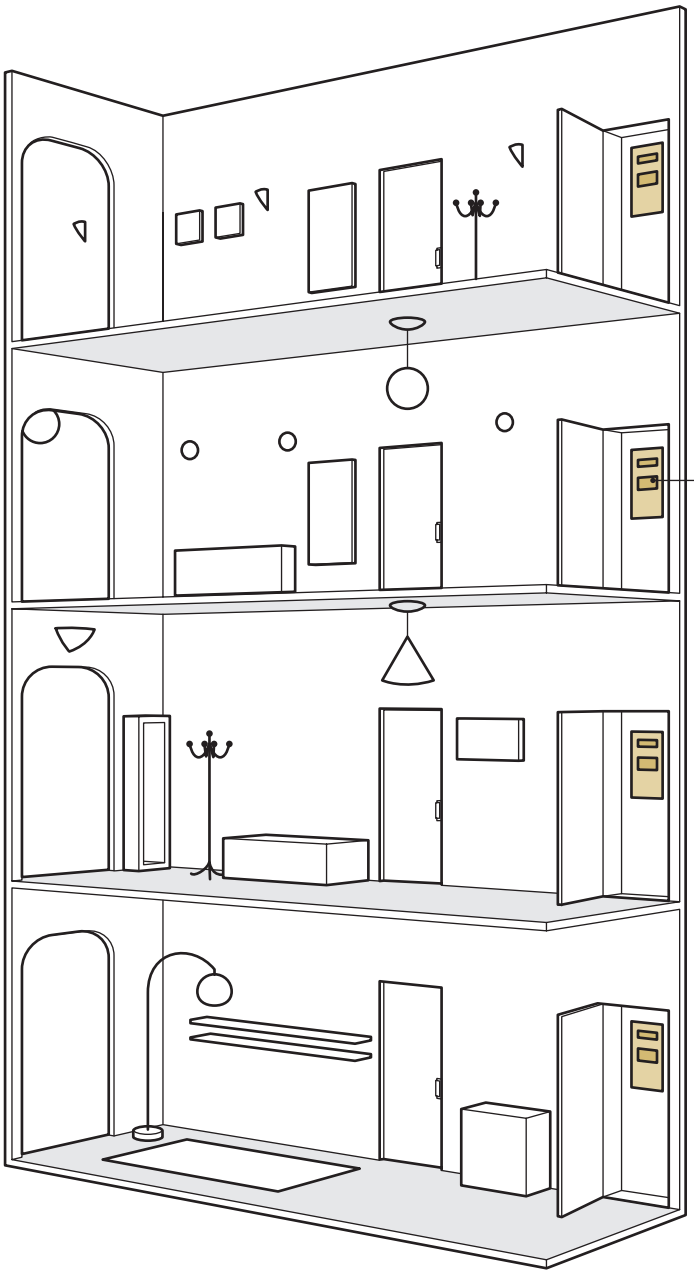
P. 96
Electro-mechanical surface mounting time switches



P. 99
Hour counter

Lexic DIN-Rail equipment: the distribution board the way you want it

Complete and innovative functions for commercial buildings with the freedom to organise the distribution board as you please.



RCDs

FOR PROTECTION OF PEOPLE
(See p. 77)
- AC type
- Ratings: 25A to 80A
- Sensitivity: 30, 100 and 300 mA
- 2P and 4P

MCBs

FOR PROTECTION OF THE INSTALLATION
(See p. 74)
- B and C curves
- Ratings: 1A to 125A
- 1P, 2P, 3P, 4P
- Breaking capacity: AS/NZS 60898-1
  10 000 A
  6 000 A

DISTRIBUTION

Supply busbars
(See p. 108)
Single and three-phase up to 63 A

Distribution terminal blocks
(See p. 110)

DISTRIBUTION CABINETS

flush-mounting distribution cabinets
(See p. 102 and HPM Section)
- From 12 to 48 modules
- Supplied complete
  (door + chassis + flush-mounting box)
- Reversible door
- Easy to install
- Large lateral and rear space for wiring
- Common accessories for all range

THEY HAVE SPECIFIED AND INSTALLED LEGRAND PRODUCTS:

UNSW Living Apartment Village: Kensington Sydney | NSW
Koniambo Mines: New Caledonia
STAHL Building DOF: Bandiana, Wodonga | NSW
Main Roads Dept (Traffic Signal): SE | QLD
Hogs Breath: Coolongatta | QLD
KFC Building: North Albury | VIC
Goodman Fielder Bakery: Wacol | QLD

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DISTRIBUTION BOARDS

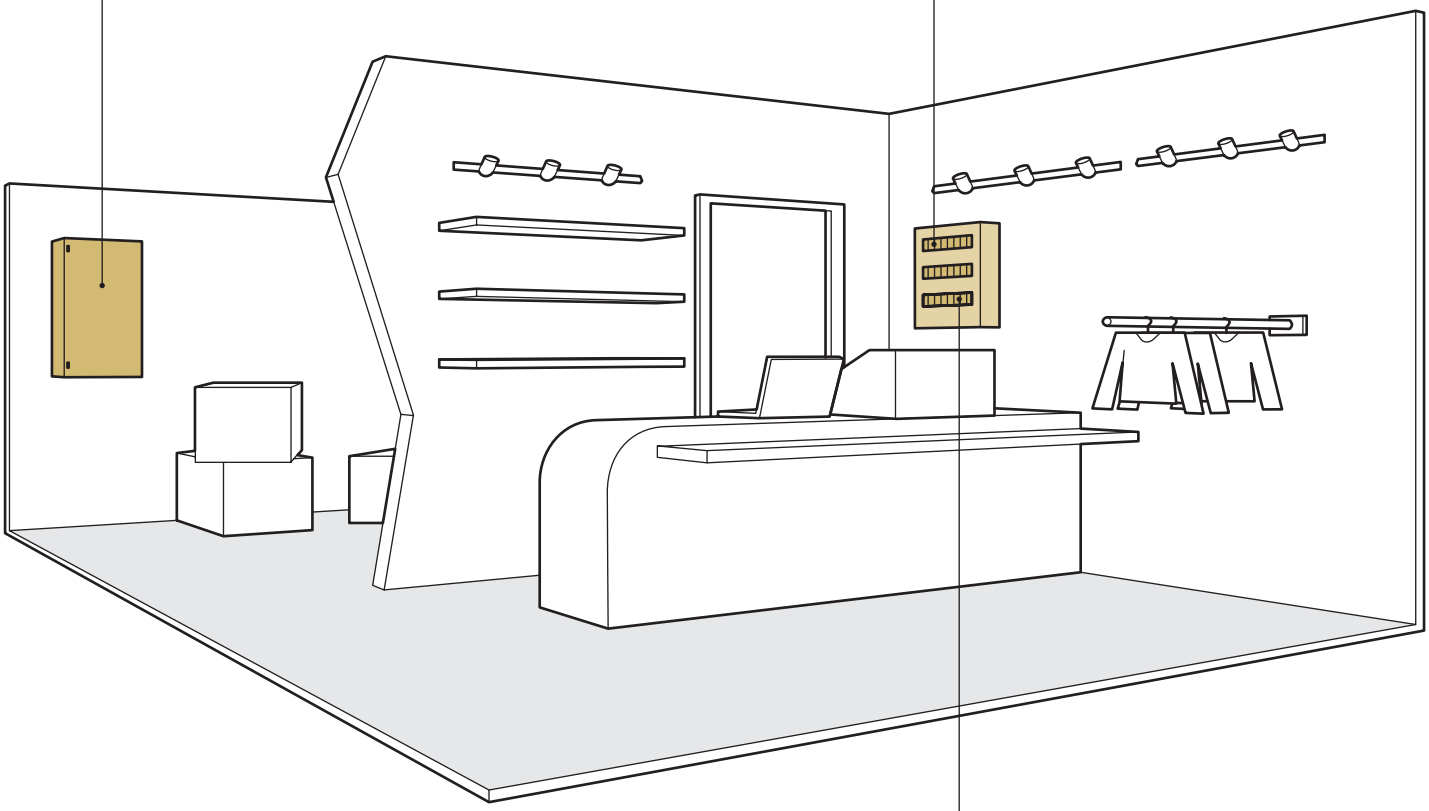
(See p. 109)

PROTECTION

MCBs AND RESIDUAL current PROTECTION DEVICES
(See p. 74)
DX-E, DX, DX-H, DX-D, different breaking capacities for maximum protection

ISOLATION SWITCHES Vistop™ 63 to 160 A
(See p. 49)

VOLTAGE SURGE PROTECTORS
(See p. 82)
Efficient protection against lightning effects



SWITCHES AND REMOTE CONTROL

POWER CONTACTORS
(See p. 88)
Can control loads up to 63 A

PROGRAMMABLE TIME SWITCHES
(See p. 90)
For switching ON and OFF an electric circuit for pre-programmed periods

LIGHT SENSITIVE SWITCHES
(See p. 95)
Automatic control of different loads, based on lighting conditions (nightfall/daybreak)

This symbol indicates energy saving product

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

DX-series miniature circuit breakers

Designation	DX-E 6000 /6kA				DX 6000 /6kA		
Number of poles	1P	2P	3P	4P	1P	2P	
Rated current in at 30° C (A) Ratings	1/2/3/6/10/13/ 16/20/25/32 40/50/63	1/2/3/6/10/13/ 16/20/25/32 40/50/63	1/2/3/6/10/13/ 16/20/25/32 40/50/63	1/2/3/6/10/13/ 16/20/25/32 40/50/63	1/2/3/6/10 16/20/25/32 40/50/63	1/2/3/6/10 16/20/25/32 40/50/63	
Type of curve	B or C	B or C	B or C	B or C	B or C	B or C	
Nominal voltage (with standard tolerance)	230/400 V	400 V	400 V	400 V	230/400 V	400 V	
Nominal frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	
Operating voltage (50/60 Hz) +/- 10%	240/415 V	415 V	415 V	415 V	240/415 V	415 V	
Breaking capacity with 127/230 V supply Icn 50/60 Hz	6000 A	6000 A	6000 A	6000 A	6 000 A	6 000 A	
acc. to AS/NZ560898.1 with 240/415 V supply	6000 A	6000 A	6000 A	6000 A	6 000 A	6 000 A	
Breaking capacity Icu 50/60 Hz with 127/230 V supply	6 kA	6 kA	6 kA	6 kA	10 kA	Curve B: 25 kA Curve C: In ≤ 32 A: 25 kA In > 32 A: 20 kA	
acc. to AS 60947-2 with 240/415 V supply	6 kA	6 kA	6 kA	6 kA	10 kA	10 kA	
Standard breaking capacity Ics acc. to AS 60947-2	100%	100%	100%	100%	100%	100%	
Rated insulation voltage Ui (degree of pollution 2)	500 V	500 V	500 V	500 V	500 V	500 V	
Rated impulse withstand current Uimp (kV)	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV	
Endurance (operating cycles) mechanical	20 000	20 000	20 000	20 000	20 000	20 000	
Endurance (operating cycles) electrical	10 000	10 000	10 000	10 000	10 000	10 000	
Dieletric strength between 0 and 2000 m	2 500 V	2 500 V	2 500 V	2 500 V	2 500 V	2 500 V	
Remote control	-	-	-	-	yes	yes	
Add-on module	-	-	-	-	-	yes	
Operating temperature	-25° C to + 70° C	-25° C to + 70° C	-25° C to + 70° C	-25° C to + 70° C	-25° C to + 70° C	-25° C to + 70° C	

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

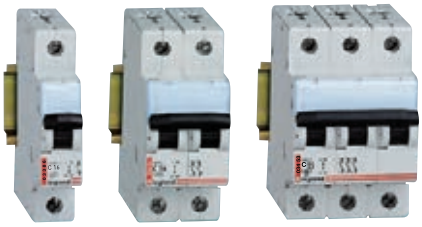
	DX 6000 /6kA	DX-H 10000 /10kA			DX-D 6000 - 10KA		
	3P and 4P	1P	2P	3P, 4P	1P	2P	3P and 4P
	1/2/3/6/10 16/20/25/32 40/50/63	1/2/3/6/10 13/16/20/25 32/40/50/63 80/100/125	1/2/3/6/10 13/16/20/25 32/40/50/63 80/100/125	1/2/3/6/10 13/16/20/25 32/40/50/63 80/100/125	1/2/3/6/10/ 13/16/20/25 32/40/50/63	1/2/3/6/10 16/20/25/32 40/50/63 80/100/125	1/2/3/6/10 16/20/25 32/40/50/63 80/100/125
	B or C	B or C	C	B or C	D	D	D
	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
	415 V	240/415 V	415 V	415 V	240/415 V	415 V	415 V
	6 000 A	10 000 A	10 000 A	10 000 A	6 000 A	6 000 A	6 000 A
	6 000 A	10 000 A	10 000 A	10 000 A	6 000 A	6 000 A	6 000 A
	Curve B: 25 kA Curve C: In ≤ 32 A: 25 kA In > 32 A: 20 kA	25 kA	In ≤ 40 A: 50 kA In > 40 A: 25 kA	In ≤ 40 A: 50 kA In 50/63 A: 25 kA In > 63 A: 16 kA	In ≤ 32 A: 25 kA In ≤ 63 A: 20 kA In > 63 A: 16 kA	In ≤ 32 A: 25 kA In ≤ 63 A: 20 kA In > 63 A: 16 kA	In ≤ 32 A: 25 kA In ≤ 63 A: 20 kA In > 63 A: 16 kA
	10 kA	In ≤ 20 A: 25 kA In 25 A: 20 kA In 32 A: 15 kA In > 32 A: 12,5 kA	In ≤ 20 A: 30 kA In 25 A: 25 kA In 32/40 A: 20 kA In > 40 A: 15 kA	In ≤ 20 A: 25 kA In 25 A: 20 kA In 32/40 A: 15 kA In > 40 A: 12,5 kA	In ≤ 32 A: 15 kA In > 32 A: 10 kA	In ≤ 32 A: 15 kA In > 32 A: 10 kA	In ≤ 32 A: 15 kA In > 32 A: 10 kA
	100%	75%	75%	75%	75%	80%	75%
	500 V	500 V	500 V	500 V	500 V	500 V	500 V
	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV
	20 000	20 000	20 000	20 000	20 000	20 000	20 000
	10 000	10 000	10 000	10 000	10 000	10 000	10 000
	2 500 V	2 500 V	2 500 V	2 500 V	2 500 V	2 500 V	2 500 V
	yes	yes	yes	yes	yes	≤ 63 A: yes	≤ 63 A: yes
	yes	-	yes	yes		yes	yes
	-25° C to + 70° C	-25° C to + 70° C	-25° C to + 70° C	-25° C to + 70° C	-25° C to + 70° C	-25° C to + 70° C	-25° C to + 70° C

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

MCBs DX-E™ 6 000 - 6kA

Thermal magnetic MCBs from 6 to 63A
C curve

Approval No: N19929



033 86 034 33 034 53

Breaking capacity according to AS/NZS 60898-1
Icn (o-co cycle): 6000A

Do not accept add-on modules.

Technical characteristics (p. 79 - 81)

Single pole - 230/400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
10	033 82	6	1
10	033 84	10	1
10	033 86	16	1
10	033 87	20	1
10	033 88	25	1
10	033 89	32	1
10	033 90	40	1
10	033 91	50	1
10	033 92	63	1

Double pole - 230/400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
5	034 29	6	2
5	034 31	10	2
5	034 33	16	2
5	034 34	20	2
5	034 35	25	2
5	034 36	32	2
5	034 37	40	2
5	034 38	50	2
5	034 39	63	2

3 pole - 400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	034 47	6	3
1	034 49	10	3
1	034 51	16	3
1	034 52	20	3
1	034 53	25	3
1	034 54	32	3
1	034 55	40	3
1	034 56	50	3
1	034 57	63	3

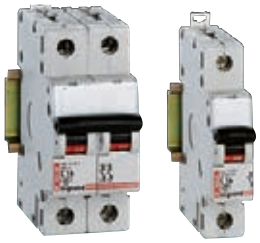
4 pole - 400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	034 89	6	4
1	034 91	10	4
1	034 93	16	4
1	034 94	20	4
1	034 95	25	4
1	034 96	32	4
1	034 97	40	4
1	034 98	50	4
1	034 99	63	4

MCBs DX™ 6 000

Thermal magnetic MCBs from 1 to 63A
C curve

Approval No: N19929



064 68 063 76

Breaking capacity according to AS/NZS 60898-1
Icn (o-co cycle): 6000A

Technical characteristics (p. 79 - 81)

Single pole - 230/400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	063 68	1	1
1	063 69	2	1
1	063 70	3	1
1	063 72	6	1
10	063 74	10	1
10	063 76	16	1
1	063 77	20	1
1	063 78	25	1
1	063 79	32	1
1	063 80	40	1
1	063 81	50	1
1	063 82	63	1

Double pole - 230/400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	064 60	1	2
1	064 61	2	2
1	064 62	3	2
1	064 64	6	2
5	064 66	10	2
5	064 68	16	2
1	064 69	20	2
1	064 70	25	2
1	064 71	32	2
1	064 72	40	2
1	064 73	50	2
1	064 74	63	2

3-pole - 400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	064 80	1	3
1	064 81	2	3
1	064 82	3	3
1	064 84	6	3
1	064 86	10	3
1	064 88	16	3
1	064 89	20	3
1	064 90	25	3
1	064 91	32	3
1	064 92	40	3
1	064 93	50	3
1	064 94	63	3

4-pole - 400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	065 55	1	4
1	065 56	2	4
1	065 57	3	4
1	065 59	6	4
1	065 61	10	4
1	065 63	16	4
1	065 64	20	4
1	065 65	25	4
1	065 66	32	4
1	065 67	40	4
1	065 68	50	4
1	065 69	63	4

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

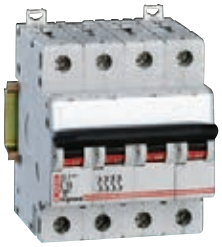
MCBs DX-H 10 000

Thermal magnetic MCBs
high breaking capacity from 1 to 63A
C curve

Approval No: N19929

068 60

069 20


070 00

069 46

Technical characteristics (p. 79 - 81)

Breaking capacity according
to AS/NZS 60898-1
Icn (o-co cycle): 10KA

Single pole - 230/400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	068 52	1	1
1	068 53	2	1
1	068 54	3	1
1	068 56	6	1
1	068 58	10	1
1	068 60	16	1
1	068 61	20	1
1	068 62	25	1
1	068 63	32	1
1	068 64	40	1
1	068 65	50	1
1	068 66	63	1
1	063 83	80	1,5
1	063 84	100	1,5
1	063 85	125	1,5

Double pole - 230/400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	069 12	1	2
1	069 13	2	2
1	069 14	3	2
1	069 16	6	2
1	069 18	10	2
1	069 20	16	2
1	069 21	20	2
1	069 22	25	2
1	069 23	32	2
1	069 24	40	2
1	069 25	50	2
1	069 26	63	2

3-pole - 400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	069 32	1	3
1	069 33	2	3
1	069 34	3	3
1	069 36	6	3
1	069 38	10	3
1	069 40	16	3
1	069 41	20	3
1	069 42	25	3
1	069 43	32	3
1	069 44	40	3
1	069 45	50	3
1	069 46	63	3
1	064 95	80	4,5
1	064 96	100	4,5
1	064 97	125	4,5

4-pole - 400 V~

Pack	Cat. No. C curve	Nominal rating (A)	Number of 17.5 mm modules
1	069 92	1	4
1	069 93	2	4
1	069 94	3	4
1	069 96	6	4
1	069 98	10	4
1	070 00	16	4
1	070 01	20	4
1	070 02	25	4
1	070 03	32	4
1	070 04	40	4
1	070 05	50	4
1	070 06	63	4

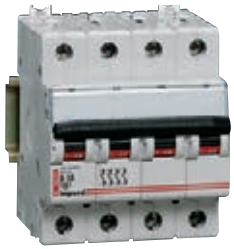
Auxiliaries/accessories (p. 78)

MCBs DX-D 6 000 - 10kA

Thermal magnetic MCBs up to 63 A
D curve

Approval No: N19929

066 36



066 71

Breaking capacity according to AS/NZS 60898-1
Icn (o-co cycle): 10KA

Technical characteristics (p. 79 - 81)

Single pole - 230/400 V~

Pack	Cat. No.	D curve	Nominal rating (A)	Number 17.5 mm modules
1	065 79		6	1
1	065 81		10	1
1	065 83		16	1
1	065 84		20	1
1	065 85		25	1
1	065 86		32	1
1	065 87		40	1
1	065 88		50	1
1	065 89		63	1

Double pole - 230/400 V~

Pack	Cat. No.	D curve	Nominal rating (A)	Number 17.5 mm modules
1	066 29		6	2
1	066 31		10	2
1	066 33		16	2
1	066 34		20	2
1	066 35		25	2
1	066 36		32	2
1	066 37		40	2
1	066 38		50	2
1	066 39		63	2

3-pole - 400 V~

Pack	Cat. No.	D curve	Nominal rating (A)	Number 17.5 mm modules
1	066 49		6	3
1	066 51		10	3
1	066 53		16	3
1	066 54		20	3
1	066 55		25	3
1	066 56		32	3
1	066 57		40	3
1	066 58		50	3
1	066 59		63	3
1	066 60		80	4.5
1	066 61		100	4.5
1	066 62		125	4.5

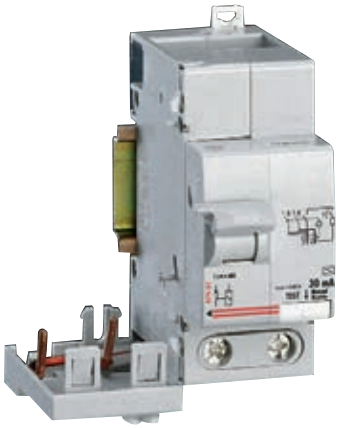
4-pole - 400 V~

Pack	Cat. No.	D curve	Nominal rating (A)	Number 17.5 mm modules
1	066 69		6	4
1	066 71		10	4
1	066 73		16	4
1	066 74		20	4
1	066 75		25	4
1	066 76		32	4
1	066 77		40	4
1	066 78		50	4
1	066 79		63	4

Add on Modules DX™

MCBs up to 125A

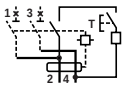
Approval No: 19930



074 02

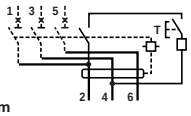
Conform to AS/NZS 61009-1
RCD add-on module type AC
Mounted on the right-hand side of the MCBs DX, DX-H and DX-D 6 kA

Type AC
Double pole - 230/400 V~



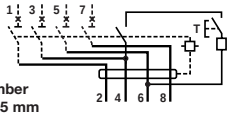
Pack	Cat. No.	Sensitivity	Maximum rating (A)	Number of 17.5 mm modules
1	074 02	30mA	63	2

3-pole - 400 V~



Pack	Cat. No.	Sensitivity	Maximum rating (A)	Number of 17.5 mm modules
1	074 29	30mA	63	3

4-pole - 400 V~



Pack	Cat. No.	Sensitivity	Maximum rating (A)	Number of 17.5 mm modules
1	074 55	30mA	32	3
1	074 56	30mA	63	3

Above 63A
Please consult us

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

RCBO DX™ 6 000

RCBO up to 45 A - type AC
Residual current devices - type AC

Approval No: 19931

078 86

6064 12

6027 86

Dimensions (p. 100)

Pack	Cat. No.	Type AC Single pole + neutral - 230V~ Neutral on right hand side Breaking capacity 6000A AS/NZS61009-1		
		Sensitivity	Nominal rating (A)	Number of modules
1	078 79	10mA	16	2
1	078 84	30mA	10	2
1	078 86	30mA	16	2
1	078 87	30mA	20	2
1	078 88	30mA	25	2
1	078 89	30mA	32	2
1	078 90	30mA	40	2

			Type AC Single pole + neutral - 230V~ (1) Breaking capacity 10000 A - AS/NZS61009-1	
	Black neutral leads	Blue neutral leads	AC type ⎓ 30 mA Nominal rating (A)	Number of modules
1	6064 00	6064 10	10	1
1	6064 01	6064 11	16	1
1	6064 02	6064 12	20	1
1	6064 03	6064 13	25	1
1	6064 04	6064 14	32	1
1	6064 05	6064 15	45	1

(1) Single pole with solid unswitched neutral
"A" type of RCD/RCBO See HPM Catalogue section 1

		Type A Single module RCBO Breaking capacity 6kA AS/NZS 61009		
		Sensitivity	Nominal rating (A)	Number of modules
1	602780	30mA	6	1
1	602782	30mA	10	1
1	602783	30mA	16	1
1	602784	30mA	20	1
1	602785	30mA	25	1
1	602786	30mA	30	1

RCDs DX™

Residual current devices
Type AC

Approval No: 19931

089 28

090 12

Conform to AS/NZS61008-1

Pack	Cat. No.	Type AC 2 - pole - 230V~		
		Sensitivity	Nominal rating (A)	Number of modules
1	089 09	30mA	25	2
1	089 10	30mA	40	2
1	089 11	30mA	63	2
1	089 16	100mA	40	2
1	089 17	100mA	63	2
1	089 28	300mA	40	2

		4 - pole - 400V~ Neutral on right-hand side		
		Sensitivity	Nominal rating (A)	Number of modules
1	089 93	30mA	25	4
1	089 94	30mA	40	4
1	089 95	30mA	63	4
1	089 96	30mA	80	4
1	090 00	100mA	40	4
1	090 12	300mA	40	4
1	090 13	300mA	63	4
1	090 14	300mA	80	4

Auxiliaries and accessories DX™
For MCBs, RCDs, RCBOs and isolating switches

Auxiliaries and accessories DX™
For MCBs, RCDs, RCBOs and isolating switches

073 50

073 54

073 61

073 68

Pack	Cat. No.	Auxiliaries for MCBs, RCBOs	Number of 17.5 mm modules
		Up to 125 A and Residual current devices	
		Clip on the left-hand side of the MCB (maximum 3) *	
		Signalling auxiliaries	
1	073 50	Auxiliary changeover switch. 6 A - 250 V~ Indicates the position of the switches	0.5
1	073 51	Fault signalling changeover switch. 6 A - 250 V~ Indicates tripping of the MCB at a fault	
1	073 53	Auxiliary changeover 6 A - 250 V switch which can be modified to a fault signalling switch	
1	073 54	Auxiliary changeover 6 A - 250 V switch + fault signalling switch, can be modified to 2 auxiliary changeover switches	1
		Command auxiliaries	
		Shunt trip	
		Enable the MCB to be tripped from a remote location	
1	073 61	110 to 415 V~ 110 to 125 V⎓ Minimum voltage trips. Time delay adjustable from 0 to 300 ms	1
1	073 65	24 V⎓	1
1	073 66	48 V⎓	1
1	073 68	230 V~	1

*Auxilliary common to: DX / DX-H / RCD'S / RCBO'S / DX-IS

Pack	Cat. No.	Accessories
		Padlocking
2	044 42	Support for Ø 4 mm or Ø 6 mm padlock for DX, DX-H, MCBs and 2 P RCDs
		Terminal shields
1	044 39	Single pole for DX MCBs from 80 A to 125 A
1	044 47	Insulating shields for DX MCBs and DX-H

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Performance of MCBs and auxiliaries

Breaking capacity in the event of a short-circuit to earth and insulation voltage

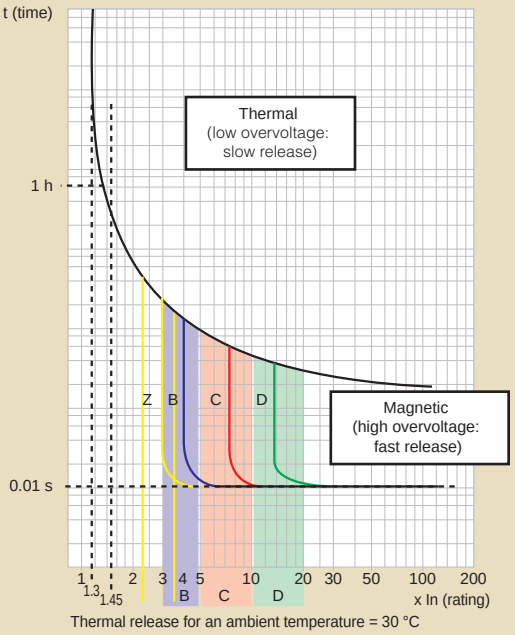
	DX Single pole + Neutral	DX B and C curves D curve < 63 A	DX-H B and C curves DX D curve 80 to 125 A	DX-L C curve
Icn 1	4500 A	6 kA	10 kA	25 kA
Ui	250 V	500 V	500 V	500 V

Icn 1: Breaking capacity on 1 pole for multi-pole MCBs in the event of a short-circuit to earth
Ui: rated insulation voltage

Connection cross-section for screw terminals (in mm²)

	Copper cable	
	rigid	flexible
• DX single pole + neutral with or without add-on modules	16	10
• DX, add-on modules ≤ 63 A DX-L add-on modules	32	25
• DX-H, add-on modules 80, 100, 125 A, DX-L	70	50
• Auxiliaries	2.5	2.5

Release curves of MCBs



Thermal release for an ambient temperature = 30 °C

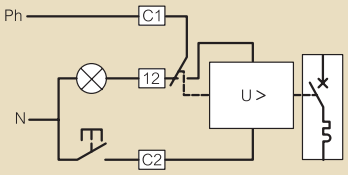
Curves	Magnetic threshold setting
Z (1)	2.4 to 3,6 In
B	3 to 5 In
C	5 to 10 In
D	10 to 14 In (10 to 20 depending on standard)
MA (1)	12 to 14 In

(1) Please consult us

Technical characteristics of DX auxiliaries

- Max. connection cross-section: 2.5 mm²
- Operating temperature: - 5 to + 50° C

Current shunt releases

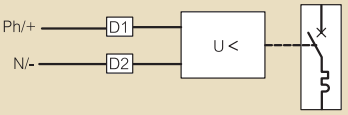


nominal voltage (Un)
- 12 to 48 V~ and ⎓
- 110 to 415 V~ 110 to 125 V⎓
Fitted with automatic breaking contact

Min. and max. voltage: from 0.7 to 1.1 Un
Tripping time: < to 20 ms
Power consumption: at 1.1 x 48 V = 121 VA
at 1.1 x 415 V = 127 VA
Impedance: 12 to 48 V = 23 Ω
110 to 415 V = 1640 Ω

Consumption	U min.	U max.
12 to 48 V	522 mA	2610 mA
110 to 415 V	69 mA	259 mA

Undervoltage releases



nominal voltage (Un)
24 V⎓
48 V⎓
230 V~

Pull-in voltage: ≥ 0.55 Un
Tripping time: from 100 to 400 ms ~ 10% (adjustable)
Power consumption: 24 V= 0.1 VA
48 V= 0.2 VA
230 VA 1 VA

Mechanical characteristics

Endurance: 20 000 mechanical switching operations
10 000 on load switching operations at In x cos φ 0·9

	In ≤ 63 A	In ≥ 80 A
Connection cross-sections (in mm²)	25 mm² flexible cables 35 mm² rigid cables	50 mm² flexible cable 70 mm² rigid cable
Applied connection torque	2·5 Nm	3 Nm

Derating according to ambient temperature (In A)

	Ambient temperature						
In at 30° C	**0° C**	**10° C**	**20° C**	**30° C**	**40° C**	**50° C**	**60° C**
1	1·1	1·07	1·03	1	0·97	0·93	0·90
2	2·2	2·1	2·06	2	1·94	1·86	1·80
3	3·3	3·2	3·1	3	2·9	2·8	2·6
4	4·4	4·2	4·1	4	3·9	3·8	3·6
6	6·6	6·4	6·2	6	5·8	5·5	5·4
10	11	10·7	10·3	10	9·7	9·3	9·0
16	18	17·3	16·6	16	15·4	14·7	14·1
20	22·4	21·6	20·8	20	19·2	18·4	17·6
25	28·3	27·2	26	25	24	22·7	21·7
32	36·2	34·9	33·3	32	30·7	29·1	27·8
40	46	44	42	40	38	36	34
50	57·5	55	52·5	50	47·5	45	42·5
63	73·1	69·9	66·1	63	59·8	56·1	52·9
80	91	88	84	80	76	72	69
100	114	110	105	100	95	90	86
125	142	137	131	125	119	113	108

Protection of DC circuits

Lexic DX and DX-H MCBs (1P/2P/3P/4P - In ≤ 63 A) designed for use in 230/400 V~ supplies, can also be used in DC circuits
In this case, the following deratings and precautions must be taken into account

1 - Protection against short-circuits

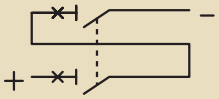
Max. magnetic tripping threshold: multiplied by 1.4
Example: For a C curve MCB for which the AC tripping threshold is between 5 and 10 In, the DC tripping threshold will be between 7 and 14 In

2 - Protection against overloads

The time/current thermal tripping curve is the same as for AC

3 - Operating voltage

Max. operating voltage: 80 V per pole (60 V for single-pole + N MCBs)
For voltages higher than this value, several poles must be wired in series

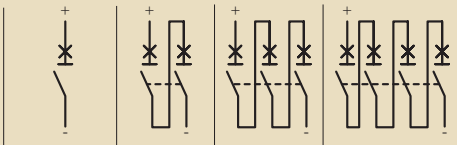


Example: for a 110 V voltage, use a 2-pole MCB and connect the 2 poles in series

4 - Breaking capacity

4000 A for a single pole MCB at max. voltage (80 V= per pole)

At other voltages, the breaking capacities are as follows:



DX		voltage	single-pole	2P	3P	4P
Acc. to IEC 60947.2	Icu	≤ 48 V	6 kA	6 kA		
		110 V		6 kA	6 kA	
		230 V				10 kA
	Ics (1)	≤ 48 V	100 %	100 %		
		110 V		100 %	100 %	
		230 V				100 %

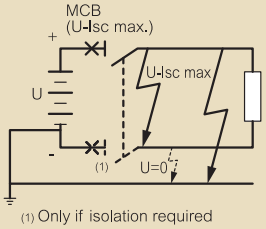
DX-H		voltage	single-pole	2P	3P	4P
Acc. to IEC 60947.2	Icu	≤ 48 V	10 kA	10 kA		
		110 V		10 kA	10 kA	
		230 V				15 kA
	Ics (1)	≤ 48 V	100 %	100 %		
		110 V		100 %	100 %	
		230 V				100 %

5 - Distribution of breaking poles

To choose the MCB and determine the pole distribution necessary for breaking on each of the polarities, it is necessary to know how the installation is earthed

• Supply with one polarity earthed:

Place all the poles necessary for breaking on the other polarity If isolation is required, an additional pole must be added on the earthed polarity
polarity

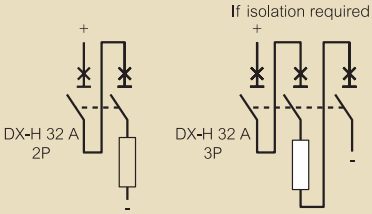


(1) Only if isolation required

(1) As a % of Icu

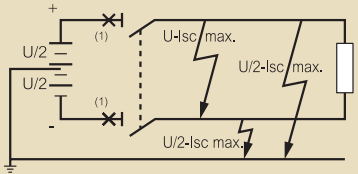
Example: circuit earthed via the negative polarity / U = 110 V= / Isc = 10 kA / In = 32 A
Protect the positive polarity using an MCB capable of breaking 10 kA at 110 V (DX-H 2P 32 A with 2 poles on the positive polarity)
For isolation, use a DX-H 3P 32 A with 2 poles on the positive polarity and one pole on the negative polarity

DX-H LEXIC		voltage	single-pole	2P	3P	4P
Acc. to IEC 60947.2	Icu	≤ 48 V	10 kA	10 kA		
		110 V		10 kA	10 kA	
		230 V				15 kA



• Network earthed via a middle point:

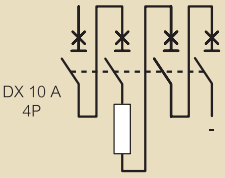
Place on each polarity the number of poles necessary for max. Isc breaking at half voltage



(1) MCB (U/2-Isc max.)

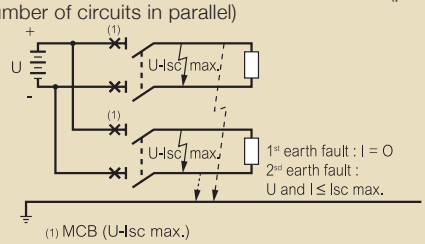
Example: circuit earthed via a middle point / U = 230 V= / Isxc = 6 kA / In = 10 A
Protect each polarity using an MCB capable of breaking 6 kA at half voltage, i.e. 115 V (DX 4P 10 A with 2 poles on each polarity)

DX LEXIC		voltage	single-pole	2P	3P	4P
Acc. to IEC 60947.2	Icu	≤ 48 V	6 kA	6 kA		
		110 V		6 kA	6 kA	
		230 V				10 kA



• Isolated earth supply:

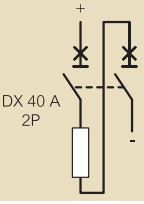
Distribute the poles necessary for breaking over the 2 polarities to provide protection in the event of a double earth fault (particularly if there are a number of circuits in parallel)



(1) MCB (U-Isc max.)

Example: isolated earth circuit / U = 48 V= / Isc = 4,5 kA / In = 40 A
Protect the installation with an MCB capable of breaking 4.5 kA at 48 V and protect each polarity (DX MCB 2P 40 A with one pole on each polarity)

DX LEXIC		voltage	single-pole	2P	3P	4P
Acc. to IEC 60947.2	Icu	≤ 48 V	6 kA	6 kA		
		110 V		6 kA	6 kA	
		230 V				10 kA

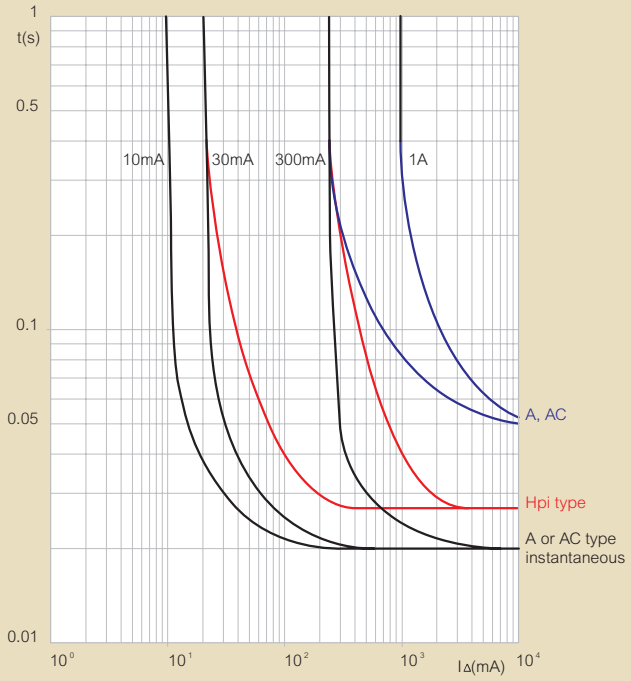


Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Performance of MCBs and auxiliaries (continued)

RCD tripping curves

• Average RCD operating curves



2P and 4P RCDs: withstand to short-circuits

Caution: it is advisable to provide overload protection for the RCD

Downstream RCD		Upstream cartridge fuse gG				Upstream MCB					
		≤ 40 A	63 A	80 A	100 A	DX (B/C) 1P+N	DX (B/C) 2,3,4P	DX-H (B/C) ≤ 63 A	DX-H (B/C) 80 < 125 A	DX-L	DPX 125
2P/4P	16 A	100 kA	50 kA	15 kA	10 kA	6 kA	10 kA	20 kA (1)	12.5 kA	50 kA	25 kA
	25 A	100 kA	50 kA	15 kA	10 kA	6 kA	10 kA	20 kA (1)	12.5 kA	50 kA	25 kA
	40 A	100 kA	50 kA	15 kA	10 kA	6 kA	10 kA	15 kA (1)	12.5 kA	50 kA	25 kA
	63 A	100 kA	50 kA	15 kA	10 kA		10 kA	12.5 kA (1)	12.5 kA	50 kA	25 kA
	80 A	100 kA	50 kA	15 kA	10 kA			12.5 kA (1)	12.5 kA		25 kA
	100 A	100 kA	50 kA	15 kA	10 kA			12.5 kA (1)	12.5 kA		25 kA

(1) Same nominal rating for both, MCB and RCD

DX RCBOs residual current breaking capacity

IΔm according to EN 61009-1

Add-on modules - DX 6000 , DX-H, D curve	6000 A

RCBOs - P + N	3000 A
- 2P (4 modules)	6000 A
- 4P 10 to 32 A (4 modules)	4500 A
- 4P 40 to 63 A (7 modules)	6000 A

Technical information

- **Maximum voltage**: 240 V - 415 V~ ~10 %
- **Maximum voltage**: 80 V⎓ per pole
- **Insulation voltage**: 500 V~
- **Dielectric**: 2 500 V~

Power dissipated in W per pole at In

In A	1	2	3	4	6	10	16	20	25	32	40	50	63	80	100	125
Type B	2·1	2·1	2·4	2·5	1·1	1·1	1·5	1·7	2·4	3·1	4	4·5	5·5	-	-	-
Type C	2·1	2·1	2·4	2·5	1·1	1·1	1·5	1·7	2·4	3·1	4	4·5	5·5	8·8	7·8	15·6
Type D	2·1	2·1	2·4	2·5	1·1	1·1	1·5	1·7	2·4	3·1	4	4·5	5·5	8·8	7·8	15·6

Technical information

Derating of MCBs according to the number of adjacent MCBs

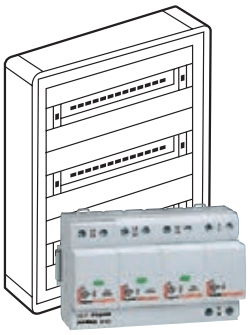
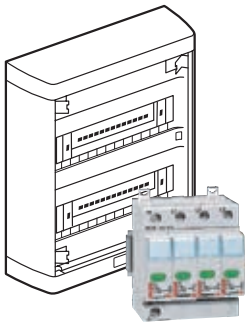
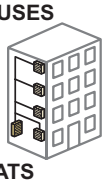
Number of adjacent MCBs	from 1 to 3	from 4 to 6	from 7 to 9	over 10
Coefficient	1	0·8	0·7	0·6

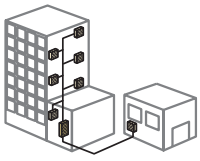
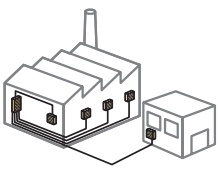
MCB supplementary data (6 kA and 10 kA)

Terminal depth : 14 mm
Terminals protected to IP 20
Maximum terminal torque : 3 Nm
(recommended : 2·5 Nm)
Average weight per pole : 0·160 kg
Supply : can be supplied from the top or bottom
Padlockable in either ON or OFF position
Operation with DC volt supply : up to a maximum of 80 V DC per pole – for voltages above 80 V DC use multipole devices wired IN SERIES (e.g. two pole 160 V= maximum)
Positive contact indication in accordance with the IEE 16th Edition Wiring Regulations

Select your V.S.P. and its associated protection

VSP - Voltage Surge 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) 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 + ASSOCIATED PROTECTION** **Icc ≤ 6 kA**		**V.S.P + ASSOCIATED PROTECTION** **Icc ≤ 6 kA**
 INDIVIDUAL HOUSES	Very high	1P+N	2 x 039 10 + 064 72		039 41 + 064 69
		3P	3 x 039 10 + 064 92	+	3 x 039 40 + 064 89
		3P+N	4 x 039 10 + 065 67		039 43 + 065 64
AND  **BLOCKS OF FLATS**	High	1P+N	039 31 + 064 69		039 41 + 064 69
		3P	039 32 + 064 89	+	3 x 039 40 + 064 89
		3P+N	039 33 + 065 64		039 43 + 065 64
AND **SMALL OFFICES**	Medium	1P+N	039 41 + 064 69		039 41 + 064 69
		3P	3 x 039 40 + 064 89	+	3 x 039 40 + 064 89
		3P+N	039 43 + 065 64		039 43 + 065 64

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**	Very high	1P+N	-		039 31 + 069 21
		3P	030 22 + 3 x 173 65 (T1) (IT earthing system: 3 x 030 00 + 3 x 173 65 (T1))	+	039 32 + 069 41
		3P+N	030 23 + 3 x 173 65 (T1) (IT+N earthing system: 4 x 030 00 + 4 x 173 65 (T1))		039 33 + 070 01
AND	High	1P+N	-		039 31 + 069 21
		3P	039 22 + 071 33	+	039 32 + 069 41
		3P+N	039 23 + 071 48		039 33 + 070 01
 **INDUSTRIAL BUILDINGS**	Medium	1P+N	-		039 31 + 069 21
		3P	039 22 + 071 33	+	039 32 + 069 41
		3P+N	039 23 + 071 48		039 33 + 070 01

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Select your V.S.P. and its associated protection

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

■ 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 (continuity of service, 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 metal 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, 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. 163)

- 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. 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.
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 associated MCB (DX, DX-H or DX-L) with the short-circuit rating adapted to your installation requirements

V.S.P. Cat. No.	039 10/20/21/22/23			039 30/31/32/33/40/41/43		
Icc	2P	3P	4P	2P	3P	4P
≤ 10 kA	064 72	064 92	065 67	064 69	064 89	065 64
≤ 15 kA	069 24	069 44	070 04	069 21	069 41	070 01
≤ 25 kA	071 18	071 33	071 48	069 21	069 41	070 01
≤ 50 kA	071 18	071 33	071 48	Not allowed	Not allowed	Not allowed

Voltage surge protectors

039 21

039 33

039 34

Technical characteristics (p. 86 - 87)

Dimension (p. 100)

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 VA - 50/60 Hz networks

Pack	Cat. No.	Main board protection		
		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. 108)		
		Number of poles	**Associated protection**	**Number of modules**
1	039 20 (1)	1P	40A - C curve	1
1	039 21 (1)	2P	40A - C curve	2
1	039 22 (1)	3P	40A - C curve	3
1	039 23 (1)	4P	40A - C curve	4

Pack	Cat. No.	Distribution board protection		
		For electrical equipment located at more than 30 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. 108)		
		Increased protection - I - Class II - Imax= 40 kA Earthing systems: TT, TN, IT		
		Number of poles	**Associated protection**	**Number of modules**
1	039 30 (1)	1P	20A - C curve	1
1	039 31 (1)	2P	20A - C curve	2
1	039 32 (1)	3P	20A - C curve	3
1	039 33 (1)	4P	20A - C curve	4
		Standard protection - S - Class II - Imax= 15 kA Earthing systems: TT, TN		
		Number of poles	**Associated protection**	**Number of modules**
1	039 40 (1)	1P	20A - C curve	1
1	039 41 (1)	2P	20A - C curve	2
1	039 43 (1)	4P	20A - C curve	4

Pack	Cat. No.	Replacement modules for type 2 V.S.P.
5	039 28	For V.S.P. Cat. No. 039 20/21/22/23
5	039 34	For V.S.P. Cat. No. 039 30/31/32/33
5	039 44	For V.S.P. Cat. No. 039 40/41/43
5	039 39	For V.S.P. Cat. No. 039 35/36/38 (old model voltage surge protector)

(1) Associated protection: MCBs DX, DX-H, DX-L or equivalent ranges according to required breaking capacity

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

038 28

038 29

039 63

Dimensions (p. 100)
Technical characteristics (p. 86 - 87)

Pack	Cat. No.	Voltage surge protector for telephone lines and data networks	Un (V)	Up (V)
		Recommended 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 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)		
1	038 28	Analogue (RTC and ADSL)	170	260
1	038 29	Digital (signal lines, current loops)	48	100

Pack	Cat. No.	Signalling auxiliaries for low voltage V.S.P.
		With changeover microswitch 2 A - 250 V~ Mounted onto the base of the surge protector (except Cat. No. 039 10)
1	039 56	For 2-pole module V.S.P.
1	039 57	For 3-pole module V.S.P.
1	039 58	For 4-pole module V.S.P.

Pack	Cat. No.	Decoupling inductors for low voltage V.S.P.	Number of modules
		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	
1	039 62	Module for circuit 35 A - 500 V~	2
1	039 63	Module for circuit 63 A - 500 V~	4

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 lightning
- to limit harmful consequences on person security
- to insure the continuity of work

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

Characterize voltage surge protectors in two main 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

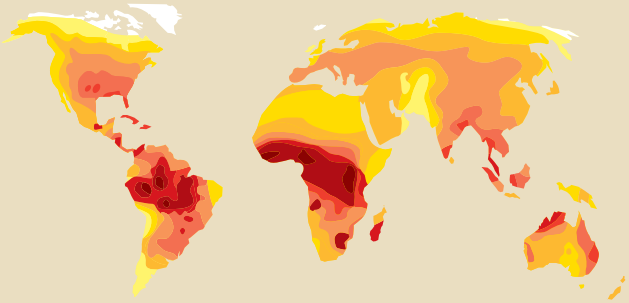
2 - Installation standards: IEC 60364 (or equivalent electric national standards)

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
- 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 50m 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

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

STOP&GO automatic resetting for DX™

073 81

08911 (p. 77)

Pack	Cat. No.	STOP&GO automatic resetting	Number of modules
		Clip on the left-hand side of devices Gives automatically an order of resetting of the associated device, following an unwanted tripping, caused by a temporary anomaly (such as lightning strikes) Verifies automatically the state of the installation, before resetting Visual and audible alarm signal in case of permanent fault detection (short-circuit or residual current) Compatible with the following devices: - RCDs: 2P - 2 modules - RCBOs: 2P - 2 modules - RCBOs: 2P - 4 modules - MCBs: 2P ≤ 63 A - 2 modules	
		Standard	
1	073 81	Control voltage: 230 V∿	3
		Autotest Periodical test of the associated RCD	
1	073 82	Control voltage: 230 V∿	3

Voltage surge protectors (p. 82)

STOP&GO automatic resetting for DX™

Temporarily electrical disturbances and other external events can cause unwanted tripping of different devices protecting electrical installation

STOP&GO verifies automatically the state of the installation, before resetting and launches a visual and audible alarm signal in case of permanent fault detection (short-circuit or residual current)

After verifying the state of the installation, STOP&GO automatic resets the associated protection device in order to immediatly re-establish power supply and avoid unwanted consequences

STOP&GO does not protect the installation against lightning strikes
For an efficient protection against lightning, use voltage surge protectors (p. 82)

The Autotest version is specially suitable for installations equipped with residual current protection devices (RCD's and RCBOs)
STOP&GO periodically does an automatic test of the functionning of residual current protection devices. The manual test is no longer needed

Installation without STOP&GO

Installation with STOP&GO

Mains fault due to temporarily electrical disturbances
Electrical devices are not powered anymore

STOP&GO automatic resets the associated protection device in order to immediatly re-establish power supply

Voltage surge protectors (continued)

■ Technical characteristics

Voltage surge protectors for power lines

Networks: 230/400 VA - 50/60 Hz
Degree of protection: IP 20
Operating temperature: -10° C to +40° C
Storage temperature: -20° C to +70° C

Type 2 V.S.P. (class II)		High protection (H)	Increased protection (I)	Standard protection (S)
Cat. No.		039 20/21/22/23	039 30/31/32/33	039 40/41/43
Neutral earthing system		TT - TN - IT	TT - TN - IT	TT - TN
Max. steady state voltage (Uc)		440 VA	440 VA	320 VA
Max. discharge current	Iimp (10/350)	10 kA	-	-
	Imax (8/20)	70 kA	40 kA	15 kA
Nominal discharge current	In (8/20)	20 kA	15 kA	5 kA
Protection level (Up)	at In	2 kV; 20 kA	1.8 kV; 15 kA	1.4 kV; 15 kA
	at 5 kA	1.5 kV; 5 kA	1.3 kV; 5 kA	1.2 kV; 5 kA
U_T		440 V	440 V	440 V
Associated protection DX, DX-H, DX-L C curve		40 A	20 A	20 A
Max. terminal capacity	rigid conductor	25 mm²		
	flexible conductor	16 mm²		

Voltage surge protectors for telephone lines

Degree of protection: IP 20
Operating temperature: -10° C to +40° C
Storage temperature: -20° C to +70° C

	Analog 038 28	Digital 038 29
Minimum voltage (Un)	170 V	48 V
Protection level (Up)	260 V	100 V
Nominal current (In)	5 kA	
Max. terminal capacity flexible/rigid	0.5 to 2.5 mm²	

■ Installation

Voltage surge protectors cascading (multi-level protection)

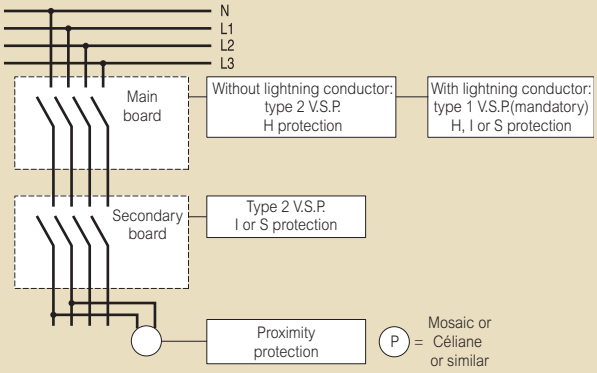
Beyond the standards requirements:
- the cost of the consequences of equipment unavailability,
- the nature of the equipment to be protected (IT, electronics, etc.),
- the situation of the buildings (proximity or not of a building equipped with a lightning conductor),
- the power supply network…,

are all situations that justify the installation of VSPs.

However, the efficiency of protection against overvoltages cannot be optimally ensured with a single VSP.

This is why Legrand recommends combining several VSPs in cascade with different protection levels, from the first panel as far as the device to be protected (proximity protection of sensitive devices).

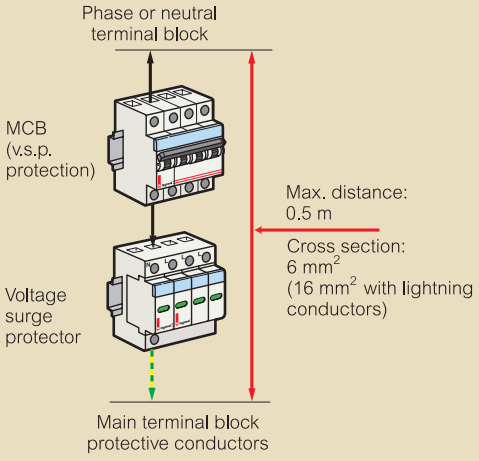
An installation will be all the more efficient if, beyond Class I and II VSPs, it comprises proximity VSPs (Class III) on sockets supplying sensitive devices (IT, electronic, etc.).



Associated protection

The supply circuit of the VSP must be protected against short-circuits and overloads by its associated disconnector (MCB) in accordance with discrimination rules.
TT earthing systems, and V.S.P.: V.S.P. always installed downstream a residual current device (RCD)

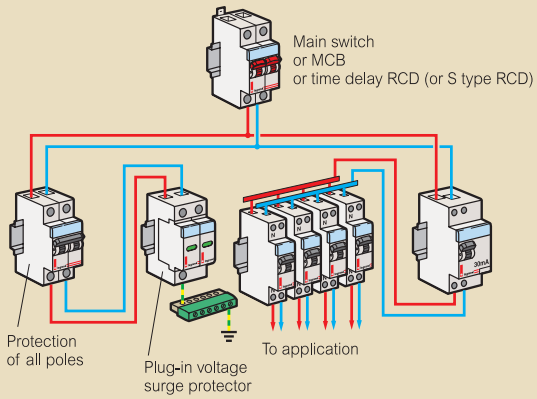
For the voltage surge protector to perform it's function as well as possible, it must be installed:
- in parallel
- keeping as short a connection length as possible between the phase-neutral terminal block and the PE or PEN terminal block
- in accordance with EMC (electromagnetic compatibility) rules: avoid the loops of conductors, fix the cables against metal conductive parts



Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Voltage surge protectors (continued)

Connection principles (continued)



Recommended cross-sections for conductors linking voltage surge protectors

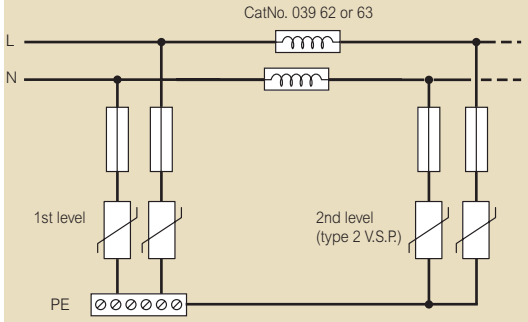
Type 2 V.S.P.	Cross section mm²	Type 1 V.S.P.	Cross section mm²
H level	16	H level	16
I level	10	I level	16
S level	6	S level	16

Minimum distances between voltage surge protectors

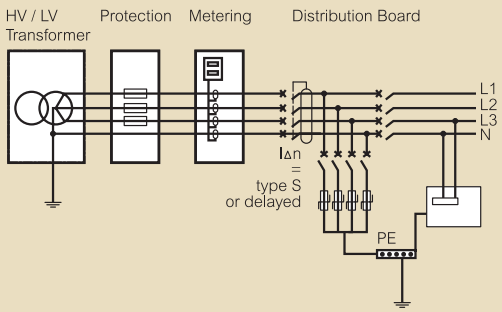
Upstream V.S.P.		Downstream V.S.P.		Distance (m)
S level	type 1	E (S)	type 2	8 (10)
H level	type 2	S (P)	type 2	8 (10)
I level	type 2	S (P)	type 2	4 (6)
S level	type 2	P	type 2	2

Installation of V.S.P. in the same board with decoupling inductors

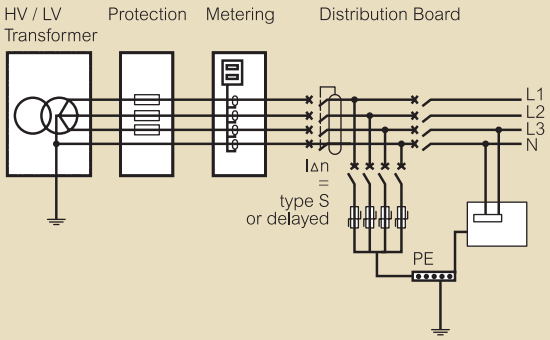
When distances cannot be respected please use decoupling inductors, installed as follows



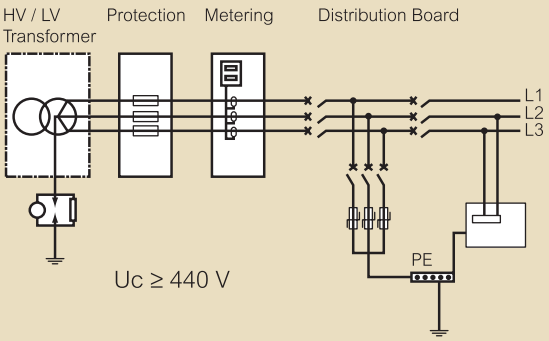
1 - Voltage surge protector in TN system



2 - Voltage surge protector in TT system



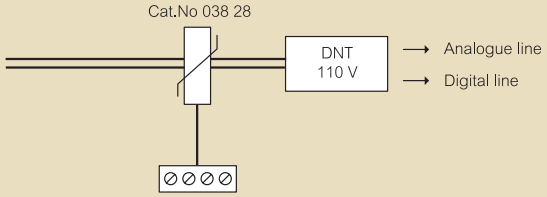
3 - Voltage surge protector in IT system

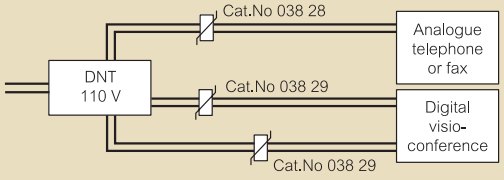
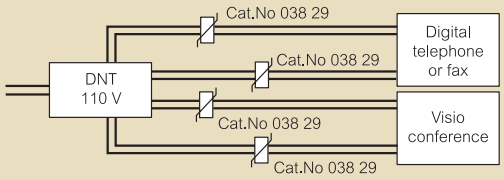


■ Installation for telephone lines

Protection of a telephone line

- Upstream the communication distribution box



- Downstream the communication distribution box
  - Analogue or digital

- Digital

Power contactors
From 16 A to 63 A

041 16

041 23

041 24

041 31

041 47

040 78

Dimensions (p. 100)

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

Power contactors with 24 V~ coil

Pack	Cat. No.	I max	Type of contact	Number of modules
2-pole - 250 V~				
1	041 14	16 A	N/C + N/O	1
1	041 16	25 A	2 N/O	1
4-pole - 400 V~				
1	041 17	25 A	4 N/O	2

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

Pack	Cat. No.	I max	Type of contact	Number of modules
2-pole - 250 V~				
1	041 23	25 A	2 N/O	1
1	040 73(1)	63 A	2 N/O	2
4-pole - 400 V~				
1	041 24	25 A	4 N/O	2
1	040 74(1)	63 A		

Low noise power contactors with 230 V~ coil

Pack	Cat. No.	I max	Type of contact	Number of modules
2-pole - 250 V~				
1	041 49	25 A	2 N/O	1

Power contactors with 230 V~ coil

Pack	Cat. No.	I max	Type of contact	Number of modules
2-pole - 250 V~				
4	041 26	16 A	N/C + N/O	1
10	041 58	25 A	2 N/O	1

Power contactors with 230 V~ coil (continued)

Pack	Cat. No.	I max	Type of contact	Number of modules
2-pole - 250 V~				
1	041 29	25 A	2 N/C	1
4-pole - 400 V~				
5	041 31	25 A	4 N/O	2
1	041 32	25 A	4 N/C	2
1	041 33	25 A	2 N/O + 2 N/C	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

Pack	Cat. No.	I max	Type of contact	Number of modules
2-pole - 250 V~				
4	041 47	25 A	2 N/O	1
1	040 68(1)	40 A	2 N/O	2
1	040 75(1)	63 A	2 N/O	2
1	040 76(1)	63 A	2 N/C	2
3-pole - 400 V~				
1	040 69(1)	40 A	3 N/O	3
1	040 77(1)	63 A	3 N/O	3
4-pole - 400 V~				
2	041 48	25 A	4 N/O	2
1	040 70 (1)	40 A	4 N/O	3
1	040 78 (1)	63 A	4 N/O	3
1	040 79	63 A	4 N/C	3

(1) Handle can be accessed once the blanking plate has been removed

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Power contactors
From 16 A to 63 A (continued)

041 85

041 83

040 85

Pack	Cat. No.	Signalling auxiliaries for contactors	I max.	Voltage	Changeover switch	Number of modules
		Auxiliary changeover switch 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				
1	041 85		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				
1	041 83		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				
1	040 85		5 A	250 V~	N/C + N/O	0.5

Power contactors
From 16 A to 63 A

■ Technical characteristics

- rated impulsive resistant current (Uimp): 4 kV
- mechanical life in cycles of operations: 10^6 cycles
- temperature:
  - operation: - 25° C to + 40° C
  - storage: - 40° C to +70° C

Protection of contactors against short-circuits conforming to IEC EN 61095, conditional short-circuit current Iq = 6 kA

MCB or gG fuse, rating:

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

• Control coil consumption

	Power contactors 16 A and 25 A				
Control voltage	24 VA		230 VA low noise	230 VA	
Nominal current	16 - 25 A	25 A	25 A	16 - 25 A	16 - 25 A
Type of contact	N/O + N/C 2 N/C	4 N/O	2 N/O	N/O + N/C 2 N/O 2 N/C	2 N/O + 2 N/C 4 N/O 4 N/C
Number of modules	1	2	1	1	2
Holding	200 mA	300 mA	6 mA	20 mA	20 mA
Inrush	970 mA	300 mA	55 mA	90 mA	200 mA

	Power contactors 40 A, 63 A			
Control voltage	24 VA		230 VA	
Nominal current	40 and 63 A	40 and 63 A	40 and 63 A	40 and 63 A
Type of contact	2 N/O	4 N/O	2 N/O 2 N/C	3 N/O 4 N/O 4 N/C
Number of modules	2	3	2	3
Holding	250 mA	270 mA	15 mA	30 mA
Inrush	1750 mA	1500 mA	150 mA	200 mA

• Recommendations

Derating of contactors mounted in modular boxes if the internal temperature is > 40 °C

Contactor rating	40 °C	50 °C	60 °C	70 °C
Ie = 16 A	16 A	14 A	12 A	10 A
Ie = 25 A	25 A	22 A	20 A	18 A
Ie = 40 A	40 A	36 A	32 A	29 A
Ie = 63 A	63 A	57 A	50 A	45 A

Install a spacing unit every two contactors (Cat. No. 044 40 or 044 41)

• Max. connection cross-section in mm²

Type of conductor	Ratings ≤ 25 A	Ratings 40 and 63 A
Rigid	1 x 6^2 or 2 x 2.5^2	1 x 25^2 or 2 x 10^2
Flexible	1 x 6^2 or 2 x 2.5^2	1 x 25^2 or 2 x 10^2
Flexible with single ferrule	1 x 6^2	1 x 16^2
Flexible with double ferrule	2 x 4^2	2 x 16^2

Cross reference list old range / new range

Old range Cat. No.	New range Cat. No.	Designation
040 33	041 14	16 A - 24 V - N/C + N/O
040 41	041 16 (1) / 041 23 (2)	25 A - 24 V - 2 N/O
040 43	041 17 (1) / 041 24 (2)	25 A - 24 V - 4 N/O
040 38	041 26	16 A - 230 V - N/C + N/O
040 49	041 58 (1) / 041 47 (2)	25 A - 230 V - 2 N/O
040 52	041 49	25 A - 230 V - 2 N/O low noise
040 50	041 29	25 A - 230 V - 2 N/C
040 53	041 31 (1) / 041 48 (2)	25 A - 230 V - 4 N/O
040 54	041 32	25 A - 230 V - 4 N/C
040 55	041 33	25 A - 230 V - 2 N/C + 2 N/O
040 85	041 85	Auxiliary changeover switch for 1 module 16 and 25 A contactors
	041 83	Auxiliary changeover switch for 2 modules 25 A contactors
	040 85	Auxiliary changeover switch for 40 A and 63 A contactors

(1) Without handle (2) With handle

Programmable time switches
Multiple function - daily/weekly

047 61

047 73

AlphaRex Series

According to VDE 631-1 and 631-2-7, IEC 60 730-1 and 60 730-2-7, EN 60 730-1 and 60 730-2-7
Ideal for school bells
Fast programming with selection of pre-set groups of days and individual selection of days
Easy programming with PC using Legrand software and data key
Program consists of ON and OFF time with assignment to certain days
Backup possible on data key

With additional functions:
- holiday program
- random function
- pulse function (only 1 channel) with pulse duration of 1sec up to 59 min, 59 sec. and 84 start times
- hour counter for max. 65 535 hours.

Background lighting for display and buttons
Running reserve of 6 years for date and time
Programs are stored in a EEPROM
Programs are shown as a weekly matrix on the display
Automatic summer-/wintertime change (daylight saving)
Precision +/– 0,2 sec/day
Manual switching
Lead sealable cover, even with inserted data key

Dimensions (p. 100)

Pack	Cat. No.	
		AlphaRex D21
1	047 61	**Weekly time switch, 1 channels** 230 V, 50/60 Hz 1 changeover (SPDT) 250 V/50 Hz, 16 A~ cos⎓1 56 programs min. switching time: 1 min. switching stem: 1 min.
		AlphaRex D22
1	047 71	**Weekly time switch, 2 channels** 230 V, 50/60 Hz 2 changeover (SOPDT)250 V/50 Hz, 16 A~ cos⎓1 56 programs (28 per channel) min. switching time: 1 min. switching stem: 1 min.
1	047 72	**Data key** Transfer data into time switch PC programmable Can also be used as a backup
1	047 73	**USB-adapter** To read and write data keys on a PC Software and key 04772 included Connection via USB-port System requirements: Windows®2000, Windows®ME, Windows®XP and Windows®98 second Edition, 0 MB free disc space Serial adapter on demand

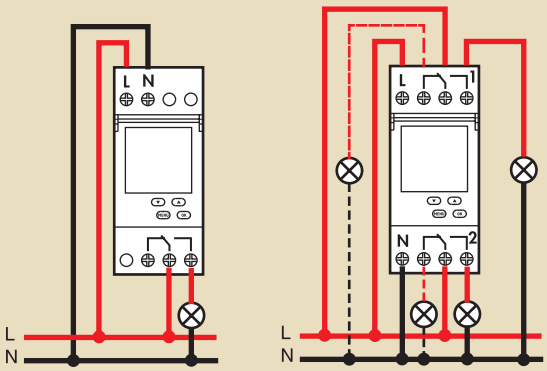
Programmable time switches
DIN rail mounting

Technical data

Type	Alpha Rex D21		Alpha Rex D22
No. of modules (17.5 mm)		**2**	
No. of channels	1		2
running reserve		6 years	
switching step		1 min	
min. switching time		1 min	
accuracy		0,2 sec/day	
switching capacity			
■ **resistive 230 V~cos • ⎓1**		16 A~	
■ **incandescent lamps 230 V**		8 A~	
■ **inductive 230 V~cos • ⎓0,6**		10 A~	
contact	1 SPDT		2 SPDT
programs1)	56		
pulse start times	84		
	min.1 sec		
	max. 59 min,		
pulse duration	59 sec		
operating temperature	– 20° C		+55° C
protection		IP20	

(1) A program consists of an ON and an OFF time and the assigned days.

Wiring Diagram



AlphaRex D21 AlphaRex D22

Easy Programming

The data key makes work even more convenient. You can set up the program easily on your PC and then save it on your data key. With the Legrand software and the adapter it is a piece of cake.

Created programs can easily be saved, edited, managed and used.

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Digital weekly time switch
DIN rail mounting

6047 74

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

Digital weekly DIN rail mounting time switch
1 program consists of 1 ON and 1 OFF time and the allocation of any day of the week or a combination of days and the selected channel (2 channel version).

Additional features:
- manual override (ON/OFF): permanent ON or OFF
- automatic override (ON/OFF): actual program will be inversed (ON->OFF, OFF->ON) till next programmed ON time
- automatic changing of summer/winter time
- running reserve of 6 years

Pack	Cat. No.	MicroRex D21 Plus
		1 channel
1	6047 74	230V 50/60Hz
1	6047 75	24V AC/DC
		MicroRex D22 Plus
		2 channel
1	6047 77	230V 50/60Hz
1	6047 78	24V AC/DC

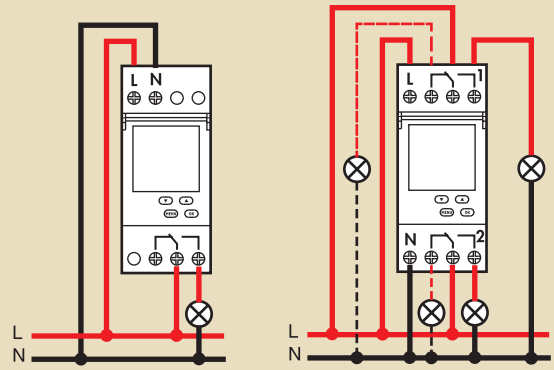
Digital time switch
DIN rail mounting

Technical characteristics

Type	D21		D22 plus
Channels	1		2
Running reserve		6 years	
Min. switching time		1 min	
Accuracy		+/-1 s/d	
Switching capacity			
Res. cos = 1		16A	
Incad. lamps		5A	
Ind. cos = 0,6		8A	
Contact		changeover (SPDT) 16A	
Max. programs	28		14 channel
Operation temp.		-20° C - +55° C	
Storage temp.		-20° C - +60° C	
Protection		IP20	

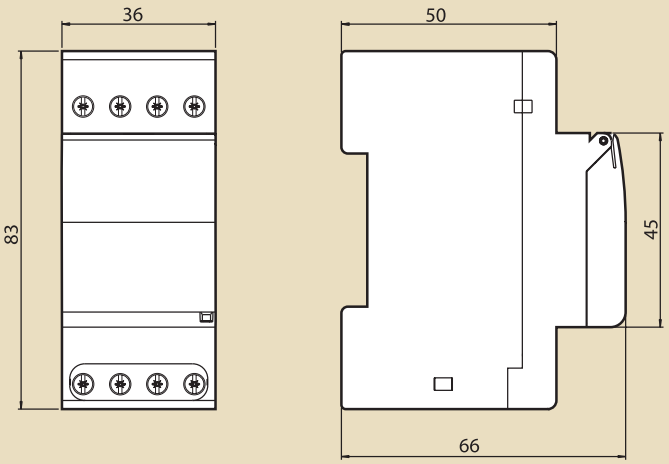
example:
1. prog.: ON 07:00h — OFF 08:15h Mon-Fri — CH1
2. prog.: ON 16:00h — OFF 20:15h Mon-Sun — CH2
3. prog.: ON 10:00h — OFF 15:15h Fri — CH1+2

Wiring Diagram



MicroRex D21 Plus — MicroRex D22 Plus

Dimensions



Programmable time switches
Standard - daily/weekly

Digital time switches
For rail

037 05

D11 time switch - EcoRex D11

Conform to EN 60730-1 and EN 60730-2-7
Supply voltage: 120-230 V +10% –15% 50/60 Hz
Working reserve: 6 years clock
Accuracy: ±1second per day
LCD digital display
Mount on DIN rail EN 50022¥
Programmable for 1 minute minimum
Programming possibilities:
Capability of 28 programs
1 program consists of 1 “on” and 1 “off” time and the allocation of any day
of the week or a combination of days
Combination of days: Mon – Fri (1-5), Mon – Sun (1-7)

Any days of the week free programmable example:
1. Prog. on 7:00 off 8:15 Mon – Fri
2. Prog. on 16:00 off 20:15 Mon – Sun
3. Prog. on 10:00 off 16:15 Fri (5)

Manual advance/override (ON/OFF)

Automatic summer/winter setting

Dimensions (p. 100)

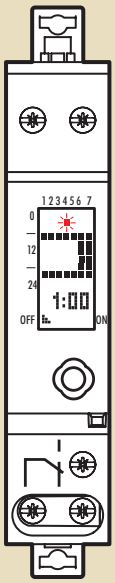
Pack	Cat. No.	D11 – 1 module - Single channel
1	037 05	**1 channel 16 A – 250 V cos φ = 1**

Technical Data

Cat. No.		
037 05	Supply voltage	**120/230V + 10% /- 15%**
	Frequency	**50/60 Hz**
	Switching capacity:	
	cos φ = 1	**16A**
	cos φ = 0·6	**13A**
	Contact	**1 changeover switch**
	Min. prog. time	**1 minute**
	Accuracy	**~1 second / day at 25° C**
	Working reserve	**6 years**
	IP rating	**IP 20**
	Operating temp.	**-10° C + 55° C**

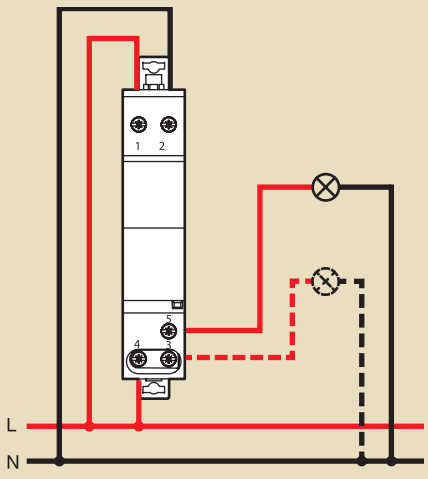
Dimensions

Single channel
D11



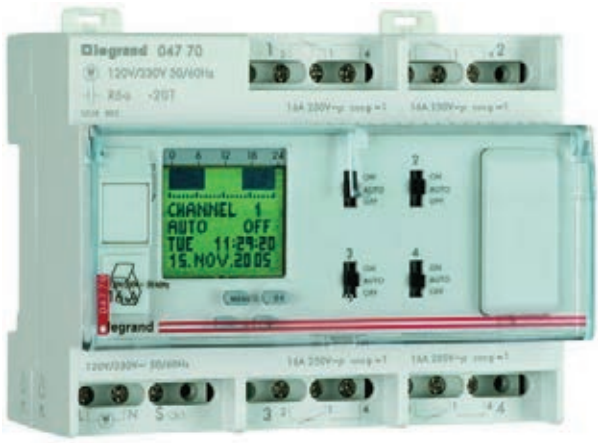
Wiring diagram

Single channel
D11



Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

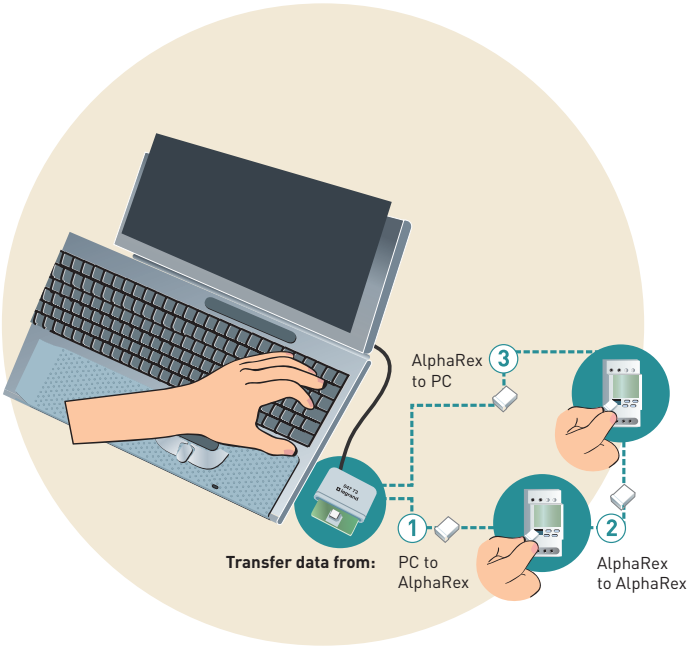
Programmable time switches
Rex - digital annual AlphaRex DY64



047 70

Easy to program

Store and transfer data easily using a PC and datakey



According to VDE 631-1 and 631-2-7, IEC 60 730-1 and 60 730-2-7, EN 60 730-1 and 60 730-2-7

- with text based programming concept
- Selectable languages: English, German, French, Italian, Spanish and Dutch
- fast programming due to selection of pre-set groups of days Mo-Su, and individual selection of days
- easy programming with PC using Legrand software and data key
- a program consists of an ON and OFF time and their assignment to certain days
- Backup on data key possible
- 84 programs per channel possible:
  - 28 weekly/astronomical programs
  - 28 yearly programs
  - 28 exceptional programs
- shortest possible program: 1sec
- background lighting for display and buttons
- running reserve of 5 years for date and time
- programs are stored in a EEPROM
- programs are shown as a weekly matrix on the display
- automatic summer-/wintertime change (daylight saving)
- Precision +/– 0,2 sec/day or according to frequency
- manual override switches (ON/OFF/AUTO) for every channel on the frontside
- manual switching
- lead sealable cover, even with inserted data key
- Calculation of sunrise and sunset by programming date, time and local coordinates.
- No light sensor needed!
- The switching ON and OFF times (astro function) can be adjusted asymetricaly for +/- 120 minutes.
- The control input enables the activation of the time switch irrespective to the program. (only for channel 1)
- Possible to create a cyclical repetitive program. (only for channel 1)

Data Key:

- transfer data
- portable storage device
- can also be safely stored in the AlphaRex
- secure back up

Data key 047 81 can be used only with AlphaRex DY64

Dimensions (p. 100)

Pack	Cat. No.	AlphaRex DY64
		Annual time switch, 4 channels
1	047 70	120/230V, 50/60Hz
		Accessories
1	047 81	**Data key for DY64** **CAUTION:** 047 81 only used with 047 70
1	047 82	Replacement battery
1	6047 78	24V AC/DC

Rex-digital time switches

AlphaRex DY64

The AlphaRex DY64 offers 3 different types of programming:

Weekly Program

This menu item is provided for the simple input of programs which are to be repeated weekly (such as switching of lights and boilers). A weekly program consists of an ON time, an OFF time and the associated ON and OFF days.

■ MON TO SUN: the days of the week are already assigned and you only need to set the ON and OFF times. This is used where the same program is to be executed on every day of the week.

■ INDIVIDUAL: you can assign the ON and OFF times to any desired days. This is used where the same program is to be executed only on certain days of the week or different programs are to be executed on the various days.

Yearly Program

This menu item permits the input of (additional) annual programs which are to be executed only during a specified period. These programs and the weekly programs of the same channel are ORed together as described above. The period during which a program is to be executed is defined by entering a start date and an end date.

■ The option EVERY YEAR should be selected if the additional program is to be executed during the same period of each year (e.g. Christmas, national holidays, birthdays, etc.).

■ The option ONCE should be selected if the additional program is to be executed only during a single period (e.g. vacation period), but the start and end dates of this period are different in each year.

Exceptional Program

The weekly and annual programs defined for a channel are not executed as long as an extra program is active. However, other exception programs will be executed while an exception program is active. The various exception programs are ORed together as described above. (see OR function 3a)

■ The option EVERY YEAR should be selected if the exception program is to be activated for the same period in each year (e.g. Christmas, national holidays, birthdays, etc.).

■ The option ONCE should be selected if the exception program is to be activated only during a single period (e.g. vacation period), but the start and end dates of this period are different in each year.

■ Option MON TO SUN: the exception program is active from 00:00 hours on the start date to 24:00 hours on the end date. During this period, the output of the related channel switches only as defined in the exception program.

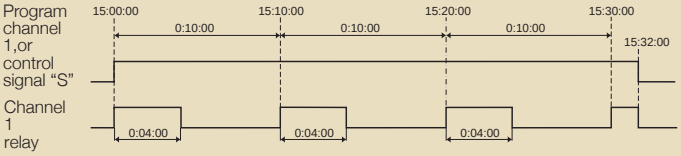
■ Option INDIVIDUAL: the exception program is active from 00:00 hours on the start date to 24:00 hours on the end date. During this period, the output of the related channel switches only as defined in the exception program.

■ Option PROG ON: the exception program is active from the ON time on the start date to OFF time on the end date. During this period, the output of the channel is permanently on.

■ Option PROG OFF: the exception program is active from the ON time on the start date to OFF time on the end date. During this period, the output of the channel is permanently off.

Cycle function for channel 1

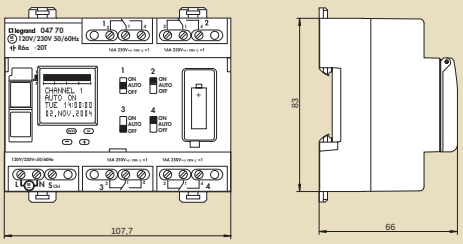
Instead of its STANDARD function, the output of channel 1 can be switched on and off cyclically. The available parameters are the PERIOD and the SWITCH ON time within this period.



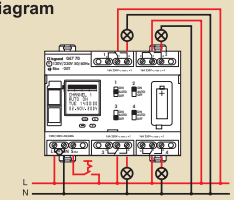
Technical data

Type	Alpha Rex
No. of pitch units of 17.5 mm	6
Number of channels	4
Power reserve	5 years
Switching increment	1 sec
Shortest switching time	1 sec
Accuracy	0,2 s/day/ or frequency
Switching capacity ■ Ohmic 230 V~cos ϕ=1 ■ Filament lamp 230 V ■ Inductive 230 V~cos ϕ=0,6	 16 A~ 8 A~ 10 A~
Switch output	4 SPDT
Programs[1]	3 x 4 x 28 (336)
Control input with delay-time	0 min – 23h 59min
Operating temperature	20 ° C + 55 ° C
Type of protection	IP20

Dimensions (mm)



Wiring diagram



Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Programmable time switches
AlphaRex Astro

047 64

037 21

According to VDE 631-1 and 631-2-7, IEC 60 730-1 and 60 730-2-7, EN 60 730-1 and 60 730-2-7

- with text based programming concept
- fast programming due to selection of pre-set groups of days Mon-Sun, Mon-Fri, Sat-Sun and individual selection of days
- easy programming with PC using Legrand software and data key
- a program consists of an ON and OFF time and their assignment to certain days
- Backup on data key possible
- with additional functions:
  - holiday program
  - hour counter for max. 65 535 hours.
- background lighting for display and buttons
- running reserve of 6 years for date and time
- programs are stored in a EEPROM
- programs are shown as a weekly matrix on the display
- automatic summer-/wintertime change (daylight saving)
- Precision +/– 0,2 sec/day

Manual switching

- lead sealable cover, even with inserted data key
- Calculation of sunrise and sunset by programming date, time and local coordinates.
- No light sensor needed!
- To save energy, a switching off at night is programmable.
- The switching On and OFF times can be adjusted asymetricaly for +/- 120 minutes.
- The control input enables the activation of the time switch irrespective to the program. (NOT D22 Astro!)

Dimension (p. 100)

Pack	Cat. No.	AlphaRex D21 Astro
		weekly time switch, 1 channel
1	047 64	230V, 50/60Hz
1	047 66	24V, 50/60Hz
		AlphaRex D22 Astro
		weekly time switch, 2 channel
1	047 67	230V, 50/60Hz
1	047 69	24V, 50/60Hz
		Microlux D
		Light sensitive weekly time switch
1	037 21	230 V, 50/60Hz
		running reserve: 100H
		Supplied with photoelectric call in plexo weather proof box

Remark:
The AlphaRex Astro can be programmed using the datakey 04772 and the programming software (see page 90)

Programmable time switches
Electro-mechanical

037 40

037 55

037 44

Dimensions (p.96)
Technical characteristics (p. 96)

Programmed via captive segment
1-module device: min. 1 segment
3-module device: min. 2 segments
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. No.	Daily programme	Number of modules
		1 segment = 15 minutes Accuracy: ± 5 minutes	
		Vertical dial	
		Minimum switching time: 15 mn N/O contact	
1	037 30	Without working reserve	1
1	037 40	With 100 h working reserve	1
		Horizontal dial	
		Minimum switching time: 45 minutes Changeover switch	
1	037 52	Without working reserve	3
1	037 53	With 100 h working reserve	3

		Weekly programme	Number of modules
		1 segment = 2 hours Accuracy: ± 30 minutes	
		Vertical dial	
		Minimum switching time: 2 h N/O contact	
1	037 44	With 100 h working reserve	1
		Horizontal dial	
		Minimum switching time: 4 h Changeover switch	
1	037 55	With 100 h working reserve	3

Totalising hour counter on door (p. 99)

Easy control

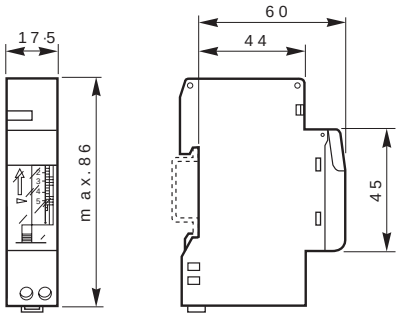
Easy Control of lights based on the of sunrise and sunset, with no need of installing a light sensor!

- **Comfort and safety:**
- The time switch calculates the daily times of sunset and sunrise. At sunset the AstroRex will switch the lights ON and at sunrise the AstroRex will turn the lights OFF.
- **Energy saving:**
- program an OFF and an ON time at night
- **Typical applications:**
- shop window illumination
- billboard illumination
- private and public buildings

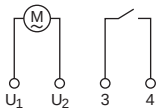
Electro-mechanical time switches
For DIN rail - Technical data

	MicroRex		
Type	**T11**	**QT11**	**QW11**
Cat. No.	**037 30**	**037 40**	**037 44**
Supply voltage	230 V~ +10% –15%		
Frequency	50 Hz	50/60 Hz	50/60 Hz
Switching capacity for cos φ = 1	16 A		
Contact	On/off		
Working reserve	None	100 hours	100 hours
Min. switching time	15 minutes	15 minutes	2 hours
Interval	15 minutes	15 minutes	2 hours
Operating temp.	–10° C + 55° C		

Dimensions

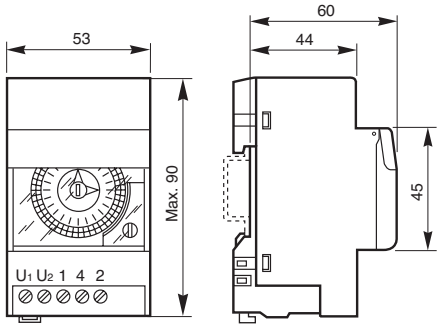


Wiring diagram

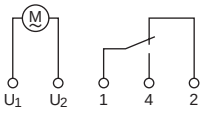


	MicroRex		
Type	**T31**	**QT31**	
QW31			
Cat. No.	**037 52**	**037 53**	**037 55**
Supply voltage	230 V +10% –15%		
Frequency	50 Hz	50/60 Hz	50/60 Hz
Switching capacity for cos φ = 1	16 A		
Contact	Changeover switch		
Working reserve	None	100 hours	100 hours
Min. switching time	15 minutes		2 hours
Interval	30 minutes		4 hours
Operating temp.	–10° C + 55° C		

Dimensions



Wiring diagram



Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Analogue time switches
Electro-mechanical surface mounting

497 54

Conform to EN 60730-1 and EN 60730-2-7
Supply voltage: 230 V~+10% –15%
3 position changeover switch
With 72 x 72 mm display to DIN EN 50022 Part C

Pack	Cat. No.	Maxirex™
		With manual override
		24 hour - 1 channel
		Programmable for 20 minutes at 10 minute intervals
		Accuracy: ±5 minutes per day
1	497 50	Without working reserve – 50 Hz - T
1	497 54	With 100 hr working reserve – 50/60 Hz - QT
		7 day - 1 channel
		Programmable for 2 hours at 1 hour intervals
		Accuracy: ±30 minutes per day
1	497 52	Without working reserve – 50 Hz - W
1	497 56	With 100 hr working reserve – 50/60 Hz - QW

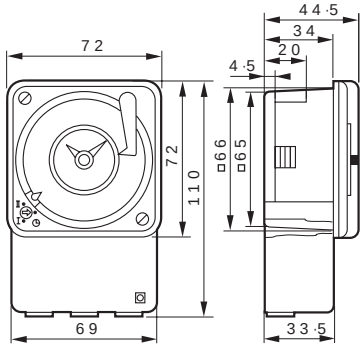
1	044 09	Fixing accessory for maxirex time switch Adaptor forrail EN 50022
1	498 32	Frame for panel mounting

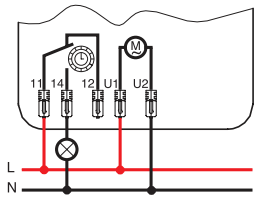
Analogue time switches
Electro-mechanical surface mounting Technical data

Type	MaxiRex T	MaxiRex QT	MaxiRex W	MaxiRex QW
Cat. No.	**497 50**	**497 54**	**497 52**	**497 56**
Supply voltage	230 V+10% –15%			
Frequency	50 Hz	50/60 Hz	50 Hz	50/60 Hz
Switching capacity:				
cos φ = 1	16 A			
cos φ = 0·6	10 A			
incand. lamp	1 000 W			
Contact	1 c/o SPDT	1 c/o SPDT		
Working reserve	None	100 hrs	None	100 hrs
Min. switching time	10 mins		1 hrs	
Interval	20 mins		2 hr	
IP rating	IP 20			
Storage temp.	–10° C + 60° C			
Operating temp.	0° C + 55° C			

Dimensions

MaxiRex

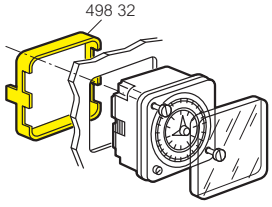




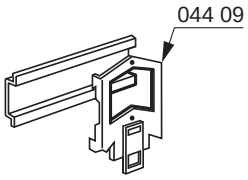
1x 16A / 250 V~ μ cos φ = 1

■ Mounting of time switches

• Panel Mounting



• On din rail with accessory



20A Analogue time switch
For DIN-Rail mounting and wall mounting

6499 17

6499 18

According to UL 9/7, IEC 60730-1, EN 60730-1, VDE 0631 part 1, IEC 60730-2-7, EN 60730-2-7, VDE 0631 part 2-7.

Robust analogue daily and weekly time switch for DIN-Rail mounting, wall mounting and for installation in plastic box (4 terminal version)

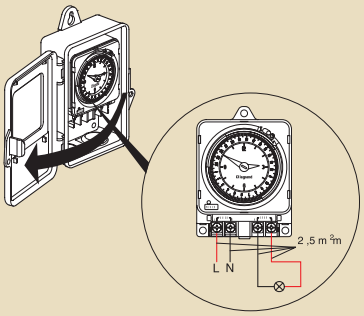
- with manual switch (on/Automatic)
- hands can be moved clockwise and counter-clockwise

Pack	Cat. No.	20A MaxiRex 4 time switch
		24 hour - without working reserve
1	6499 18	4T (230V – 50Hz) without enclosure
1	6499 17	4TB (230V – 50Hz) – with IP53 enclosure
		24 hour - with 500 hr working reserve
1	6499 15	4QT (230V – 50/60Hz) without plastic box
1	6499 14	4QTB (230V – 50Hz) – with IP53 enclosure

		Econorex M™
		24 hour - 1 channel
		Programmable for 15 minutes minimum at 15 minute intervals with retained 'pull out' segments Easily programmed, easily read by user Just set actual time to pointer and pull out segments for switch time
1	499 83	Panel mounting (72 x 72mm) MT, No working reserve
1	499 86	Panel mounting (72 x 72mm) MQT, W/100H working reserve

20A Analogue time switch
Analogue for DIN-Rail mounting and wall mounting

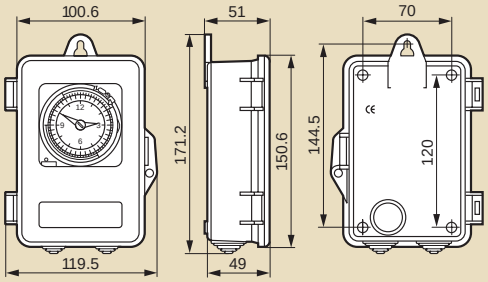
Type	MaxiRex4
No. of channels	1
Switching capacity Cos ϕ= 1 incandescent ind. Cos ϕ= 0,6	 20 A~ 4 A~ 10 A~
Minimum setting unit	10 min for daily 1 h for weekly
Minimum setting interval	20 min for daily 2 h for weekly
Operating temperature	-10° + 50°
Protection modus	IP 53 (with plastic box)



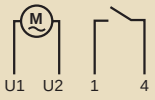
■ Dimensions of programmable time switches

▪ Analogue time switches

Cat. No. 6499 14

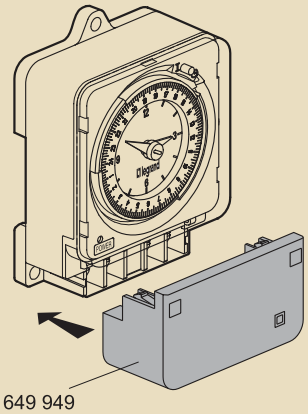


▪ Contacts for MaxiRex



▪ Contacts for EconoRex

▪ Cover for 649 918 & 649 915



649 949

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Time switches and hour counters

495 55

499 26

Pack	Cat. No.	Totalising hour counters (Panel mount)
		48 x 48 mm
		AC current - design : 0...99999.99 hr
		DC current - design : 0...999999.9 hr
		IP 40 Panel flush mounting
		Voltage supply:
1	495 52	24 V∿ - 50 Hz
1	495 55	240 V∿ - 50 Hz
1	495 60	12-36 VDC

Totalising hour counters (Din mounting)

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 hr)
Precision: 1/100th hour
Consumption: 0.2 VA

Pack	Cat. No.		Number of modules
1	046 94	230 V∿ - 50 Hz	2
1	046 91	24 V∿ - 50 Hz	2

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

24 hour programme

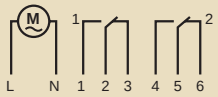
The timer can repeat one or two settable short programmes within 24 hours
Shortest switching sequence
2.5 hours - up to 9 times
1 switching step = 1 segment = 30 min.
With two changeover contacts

Without working reserve

Voltage supply 230 V∿ - 50 Hz

Pack	Cat. No.	
1	499 26	KKT - Defrosting time from 10 to 60 minutes per contact

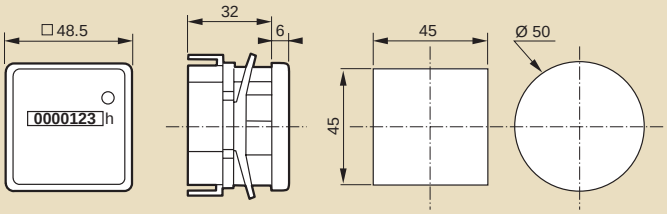
Cat. No. 499 26
Contacts



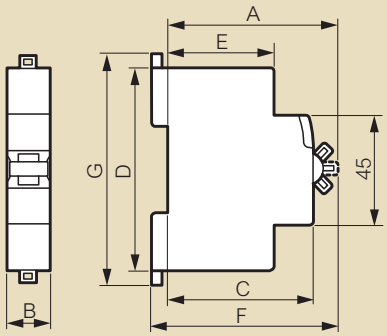
Characteristics of hour counters

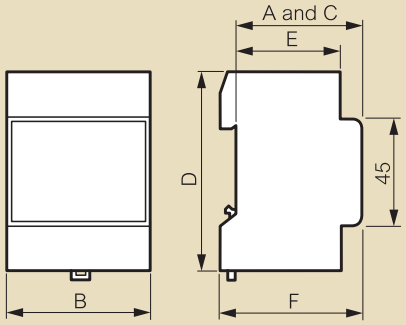
Materials - front panel : transparent synthetic material
Type : 48 x 48 mm
Mounting : flush-mounting
Range: A.C. : 0...99999.99 hr/D.C. : 0...999999.9 hr
Accuracy : A.C.:1/100^{e} h/D.C.: 1/10^{e} h
Reset : none
Size of numerals : 4 mm
Consumption : A.C. : 2 VA/D.C. : 0.65 W
Index of protection : IP 40
Operating temperature : – 25 ° C to + 80 ° C
Weight: 110 g
Terminal connections : 2 x 1.5 mm^2

Dimensions



LEXIC modular din-rail equipment dimensions



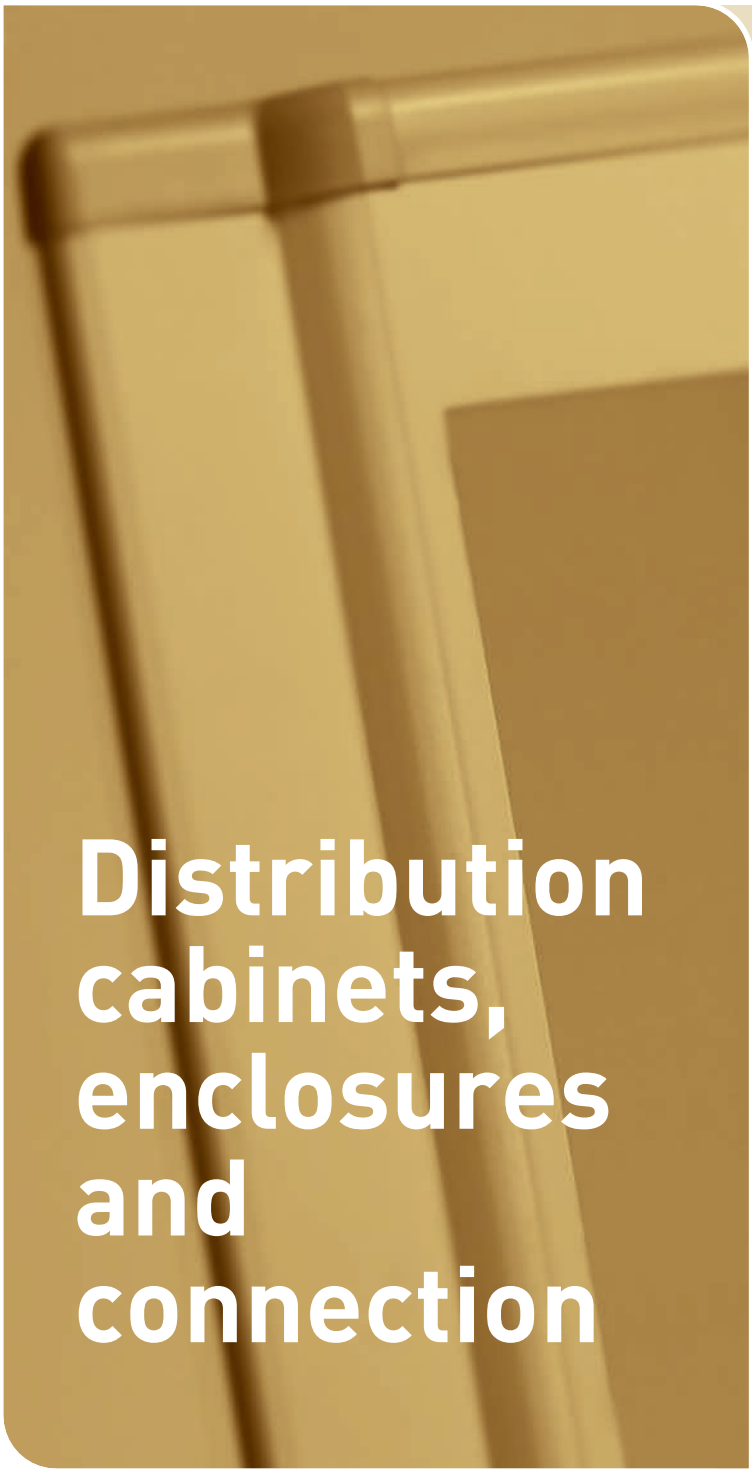


	A	B					C	D	E	F	G
Thermal-magnetic MCBs											
LR, DX, DX-H, DX-E up to 63 A	70		17.7	35.6	53.4	71.2	60	83	44	76	94
DX-L, DX D curve, DX-H from 80 to 125 A	70	26.7		53.4	80.1	106.8	60	83	44	76	89
Motor MCBs	82.5			44.5			72.2	89	44	87.3	91
Earth leakage modules											
up to 63 A	70			35.6	53.4	53.4	60	93	44	76	99
from 80 to 125 A	70			71.1	107.2	107.2	60	88	44	76	89
RCBOs	70	17.7	35.6	71.2		124.6	60	83	44	76	94
4-pole RCBOs with 4 modules	70					71.2	60	83	44	76	94
RCDs (DX)											
2-pole	70			35.6			60	83	44	76	94
4-pole	71.5					71.2	60	83	44	77.5	94
Fuse carriers	67	17.7	17.7	35.6	53.4	71.2	60	83	44	73	94
Auxiliary contacts											
Cat. No. 073 50/51	70			8.7			60	83	44	76	83
Cat. No. 073 54	70			17.7			60	83	44	76	83
Control auxiliaries	70			17.7			60	83	44	76	83
DX-IS remote trip head	72			35.5	53.5	71.5	60	83	44	78	94
Isolating switches											
16 - 20 - 32 A	72	17.7		17.7	35.6	53.4	60	83	44	74	94
63 - 100 - 125 A	72	17.7		35.6	53.4	71.2	60	83	44	74	94
Changeover switches											
Cat. No. 043 82/85	68			17.7			60	83	44	74	94
Cat. No. 043 83/86	68			35.6			60	83	44	74	94
Push-buttons/control switches	68			17.7			60	83	44	74	94
Indicators	63			17.7			60	83	44	69	94
Light sensitive switches											
Cat. No. 037 21	60			35.6			60	85	37.5	66	70
Sockets outlets	60			44.5			60	83	44	66	92
Buzzers/bells	60			17.5			60	76	44	66	85
Time delay relays	60			17.7			60	83	44	66	94
Voltage surge protectors											
039 20 to 23	60	17.7		35.6	53.4	71.2	60	86	44	68	91
039 30 to 33	60	17.7		35.6	53.4	71.2	60	86	44	68	91
039 40/41/43	60	17.7		35.6		71.2	60	86	44	68	91
038 28/29	60	17.7					60	86	44	68	91

Description		A	B	C	D	E	F
Programmable time switches	**037 05**	60	17.8	60	83	44	66
	037 30/42/44	60	17.8	60	83	44	66
	037 52/53/55	60	53	60	83	44	66
	047 61/71	60	35.6	60	83	44	66
	047 64/67	60	35.6	60	83	44	66
	047 70	60	90	60	83	44	66
Voltmeters - Ammeters		60	70	60	83	44	66
Contactors - 1 module 16 and 25 A		62	17.8	60	83	44	67.5
Contactors 25, 40 and 63 A							
	2 modules	60	35.6	61	83	44	67
	3 modules	60	54	61	83	44	67
Contactors 100 A 6 modules		60	90	60	83	44	66
Auxiliaries for contactors and pulse operated latching relays		60	9	60	83	44	66
Transformers and power supplies							
	042 25	60	35.8	60	83.5	44	66
	042 37/41	60	71.5	60	83.5	44	66
Electrical energy metering							
	046 73/74	60	72	60	81	44	66
	046 81/72	60	35.5	60	89	44	66
Central measuring unit							
	046 65/67	64	105	64	89.5	44	69
Residual current relay							
	260 88	60	35.5	60	89	44	66

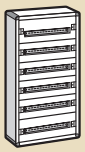
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Notes



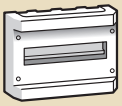
Distribution cabinets, enclosures and connection

XL³ 160



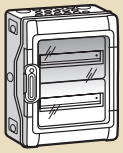
P. 104
XL³ 160
surface mounting
metal cabinets

Distribution cabinets and consumer units



P. 108
Modular boxes

Weatherproof enclosures

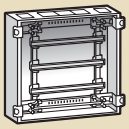


NEW
P. 112
Plexo³
weatherproof
distribution
cabinets

NEW

XL³ 160
Cabinets
(P. 104-105)

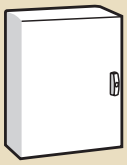
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list



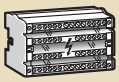
P. 105
XL³ 160
flush-mounting
metal cabinets

P. 106
XL³ 160
doors,
equipment

P. 108
Supply busbars,
entry terminals



P. 109
Distribution boards
24P to 84P

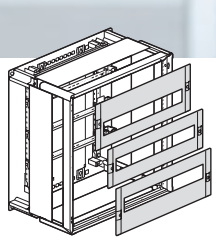


P. 110
Modular
distribution
blocks

Ready to use fully modular cabinets

Fast installation: cabinets are supplied complete with rails, faceplates and adjustable cable entry plate.

XL³ 160 cabinet
144 poles



Mounting
principle

- **Surface or flush-mounting** versions metal or insulated cabinets
- Can be equipped with **curved or flat metallic and glass doors**

XL³ 160 metal

"Ready to use" distribution cabinets

200 06

200 45

Dimensions (p. 107)

Fireproof to 750 °C/5 s in accordance with IEC 60695-2-1 for installation in public buildings. Removable chassis with rails 2 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
For creating assemblies certified in accordance with IEC EN 60439-1
IP 43 – IK 08 with seal and door
IP 40 – IK 08 with door
IP 30 – IK 07 without door
Removable side panels. Removable, separable top and bottom panels for inserting adjustable cable gland plate

Fully modular cabinets

Pack	Cat.No.	No of rows	No of modules	Height (mm)	Width (mm)	Depth (mm)	
1	200 04	4	96	750	575	147	200 150 150 200
1	200 05	5	120	900	575	147	200 150 150 150 200
1	200 06	6	144	1050	575	147	200 150 150 150 150 200

Accessories

Pack	Cat.No.	
		Cable entry plates
1	200 20	Additional adjustable plate
		Cable fixing support
1	200 35	Holds cable in place on entry to cabinet
		Wall mounting lugs
1	201 00	Set of 4 metal lugs for IP 43 cabinets and enclosures
		Plate with knock-out entries
1	200 21	2 x Ø4 to 32 mm and 22 x Ø4 to 20 mm

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

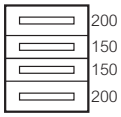
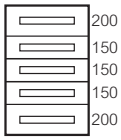
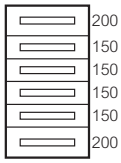
XL³ 160 flush-mounting
"Ready to use" distribution cabinets

200 13 + door 202 83

Dimensions (p. 107)

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. 106)
Can take DPX 125 units
IP 40 – IK 08 with door
IP 30 – IK 04 without door

Fully modular cabinets

Pack	Cat.No.	No of rows	No of modules	Front panel Height (mm)	Front panel Width (mm)	Box Height (mm)	Box Width (mm)	
1	200 14	4	96	845	670	790	617	
1	200 15	5	120	995	670	940	617	
1	200 16	6	144	1145	670	1090	617	

Fixing accessory

1	200 10	For hollow partition

Doors and equipment (p. 106)

Notes

XL³ 160
Doors, equipment, wiring, connection of protective conductor

202 55

202 73 202 83

200 93

373 00

Doors

Pack	Cat.No		
			Supplied with handle with interchangeable barrels (to be ordered separately)
			Curved
			Faceplate/door distance: metal - 57 mm
	Metal		For cabinet/enclosure Height (mm):
1	202 54		750
1	202 55		900
1	202 56		1050
			Flat
			Faceplate/door distance: metal - 38 mm ; glass - 34 mm
	Metal	Glass	
1	202 74[1]	202 84[1]	750
1	202 75[1]	202 85[1]	900
1	202 76[1]	202 86[1]	1050

Equipment for doors

Pack	Cat.No	
		Key barrels for metal or transparent doors
		Supplied with a set of 2 keys
1	202 91	Type 405
1	202 92	Type 455
1	202 93	Type 1242 E
1	202 94	Type 2433 A
		Seal for IP 43 protection
1	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

Pack	Cat.No	External dim. Height (mm)	External dim. Width (mm)	Internal dim. Height (mm)	Internal dim. Width (mm)	Internal dim. Depth (mm)
20	365 80	235	340	200	310	18
20	365 81	165	260	130	230	18

Closed - RAL 9002

1	365 82	Rigid plastic - IP 50 Internal dim.: 324 x 120 x 18 mm

Transparent

10	097 99	Flexible plastic - A4 - 305 x 220 mm

Wiring

Pack	Cat.No	
		Wire guide
10	200 94	For horizontal wiring Fits directly on the rails ⌙⌡ Takes brass bar Cat.No 373 00 and 12 x 4 bar with clamps Cat.No 373 02
1	200 93	For vertical wiring Fits directly on cabinet chassis - Set of 2
		Ducting support
1	200 70	For direct vertical mounting of Lina 25 ducting Fits directly on cabinet chassis - Set of 2
		Finishing strip
1	201 60	For a perfect finish at the join between DLP trunkink and XL³ cabinet or enclosures RAL 7035

Connection of protective conductors

Pack	Cat.No	
		Additional brass bar
1	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 200 94 or on the support end stop Cat.No 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	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 048 19
		Equipotential link conductor
1	373 85	Length 350 mm Cross-section 6 mm², ensures equipotential continuity when fitting auxiliaries on door (Osmoz signalling units > 50 V)

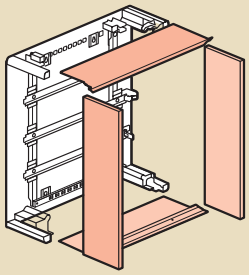
For curved glass doors, please consult us

(1) Not suitable for Vistop with front handle

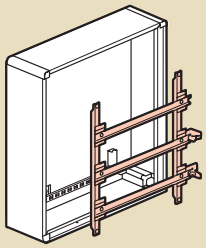
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

XL³ 160 metal
"Ready to use" distribution cabinets

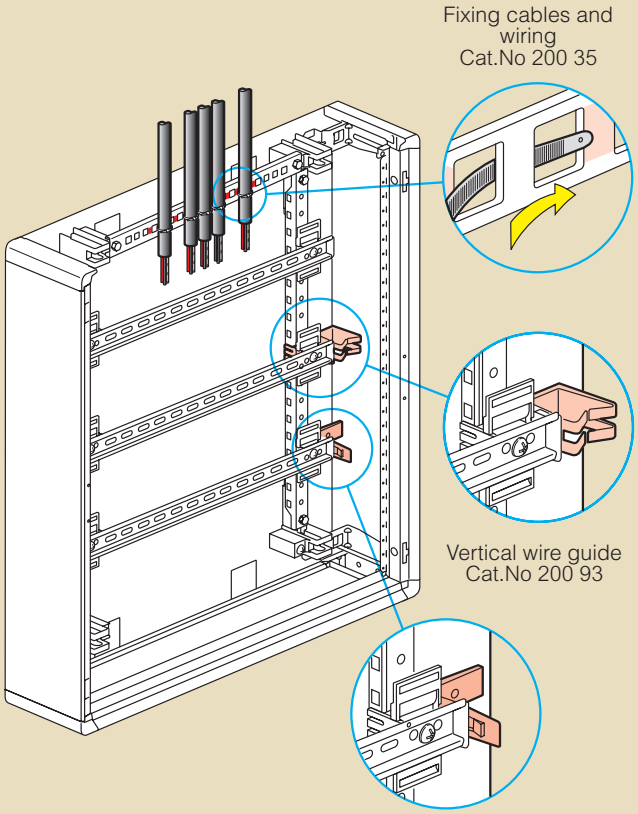
■ Installation principle



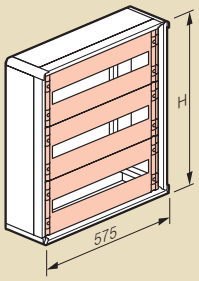
Side panels can be removed separately



Removable chassis



■ Dimensions

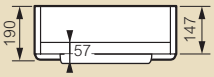


Cat. No.	H (mm)
200 04	750
200 05	900
200 06	1050

With flat door

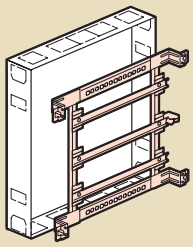
	A (mm)
Metal	38
Glass	34

With curved door (metal)

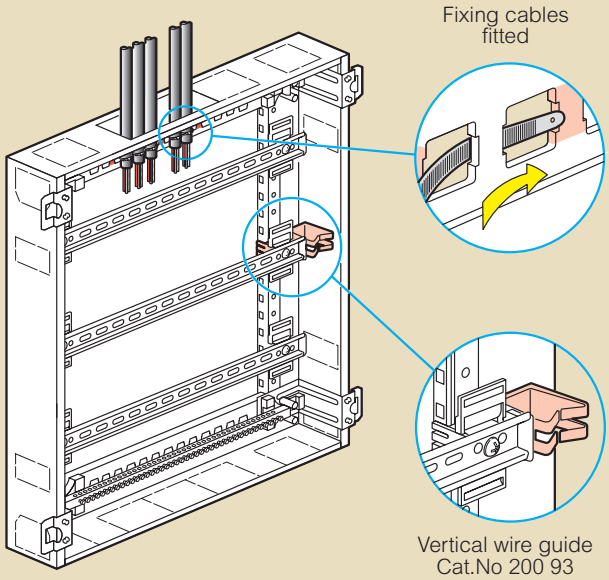


XL³ 160 flush-mounting
"Ready to use" distribution cabinets

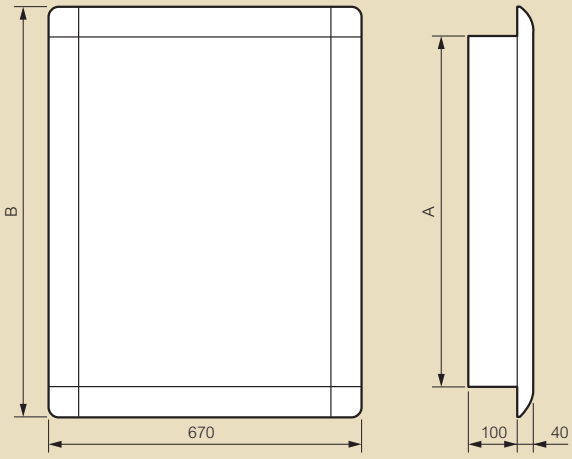
■ Installation principle



Removable chassis



■ Dimensions



Cat. No.	A (mm)	B (mm)
200 14	790	845
200 15	940	995
200 16	1090	1145

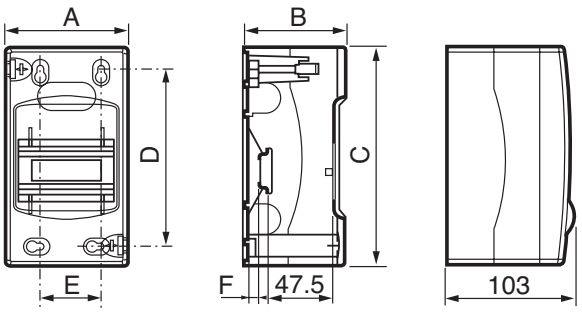
Modular boxes - IP30
Surface mount - Din rail

013 04 013 08

Pack	Cat No.	Self-extinguishing: resistance to incandescent wire 750°C distribution boxes IP30 - IK05 White RAL 9010 Cover directly clip shut and sealable	Capacity in modules of 17.5 mm	Dimensions (mm) Height x Width x Depth
10	013 01		1	140 x 30 x 72
10	013 02		2	140 x 50 x 72
10	013 04		4	160 x 90 x 74
5	013 06(1)		6	160 x 128 x 74
1	013 08(2)		(8 + 1)	180 x 190 x 83

(1) Supplied with Earth connector IP 2x 4x holes 1.5- 16mm²
(2) Supplies with Earth connector IP 2x 8x holes 1.5- 16mm²

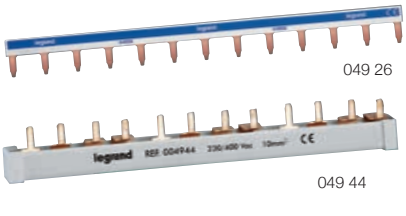
Distribution box with 1 to 9 modules per row



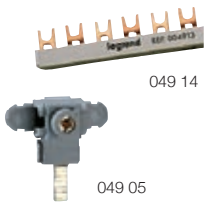
Cat. No. 013 01/02/04/06/08 Cat.No 013 08 with cover

Cat. No.	A	B	C	D	E	F
013 01	30	72	140	120	10	7
013 02	50	72	140	115	25	7
013 04	90	74	160	130	45	7
013 06	128	74	160	125	80	7
013 08	190	83	180	130	120	14.5

Supply busbars entry terminals
Standard distribution



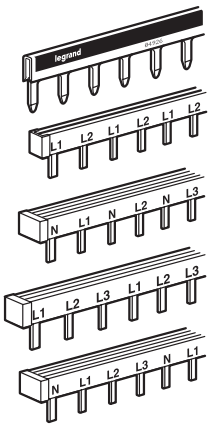
049 26 049 44



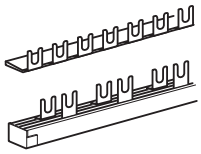
049 14 049 05

■ Standard distribution

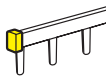
Pack	Cat. No.	Prong-type supply busbars Universal single pole + neutral Reversible: blue for neutral, black for live	Max. Length	Max number of devices connected
20	049 26		1 row	13
10	049 37		Meter	57
		Double pole		
50	049 38(1)		1 row	6
10	049 39		Meter	28
		Double pole balanced on 3 phases		
3	049 40(1)		1 row	6
10	049 41		Meter	28
		Triple pole		
40	049 42(1)		1 row	4
10	049 43		Meter	19
		Four pole		
30	049 44		1 row	3
10	049 45		Meter	14



Pack	Cat. No.	Fork-type supply busbars		
		Single pole		
20	049 11		1 row	12
10	049 12		Meter	57
		Double pole		
10	049 14		Meter	28



Pack	Cat. No.	Protection
		Protection of prongs
20	049 88	12 modules Can be cut to length
		Protection of supply busbar ends
40	049 89	For single pole/single pole + neutral
20	049 90	For double pole length 1 m and triple pole
20	049 91	For four-pole



Pack	Cat. No.	Entry terminals	
20	049 05	For universal single pole + neutral or single pole supply busbars Cross section: 4 to 25 mm² - IP 2X	
20	049 06	For all supply busbars Cross section: 6 to 35 mm²	

■ Technical characteristics

	Busbars types	Max. number of devices connected	Length in number of 17.5 mm modules	Cross section (mm²)	Permissible current: 1 central power supply point	Permissible current: 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

Pack	Cat. No.	Clip-on blanking plate (pole fillers)
20	016 56	6.5 modules separable by single or half modules (1 module = 17.5 mm) White RAL 9010

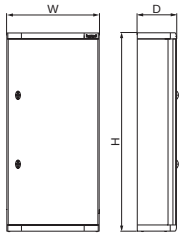
(1) Filled with end protection

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Distribution Boards IP55
and accessories

Spacious design

Legrand Distribution Boards are spacious and expandable for control wiring. They are designed to suit Commercial and Industrial.



Pack	Cat. No.	
		Distribtution Boards
		250 A Distribution Boards with 250A chassis for 17.5mm module MCB's – Escutcheon included Grey RAL7035
		Without Main Switch
1	HPM0800L - 24	24 pole
1	HPM0800L - 36	36 pole
1	HPM1000L - 48	48 pole
1	HPM1000L - 60	60 pole
1	HPM1200L - 72	72 pole
1	HPM1200L - 84	84 pole
		With 250A Main Switch*
1	HPM0800L2425F	24 pole
1	HPM0800L3625F	36 pole
1	HPM1000L4825F	48 pole
1	HPM1000L6025F	60 pole
1	HPM1200L7225F	72 pole
1	HPM1200L8425F	84 pole
		*For orange colour, please add O at end of part no.
		Chassis – 3 Pole
		(red, white, blue) 250A Chassis for 17.5mm module MCB's – 20kA 0.1s
1	6022 10	24 Pole
1	6022 11	36 Pole
1	6022 12	48 Pole
1	6022 13	60 Pole
1	6022 14	72 Pole
1	6022 15	84 Pole
		Main Switch
1	2046 39	3 Pole 250A
		Emergency Lighting Test Switch
1	6820 84	Modular E/L test switch (contactor not included)
1	04129	Modular contactor 2pn/c 25A
1	04132	Modular contactor 4pn/c 25A

- **Ample space:**
  - space for additional din rail equipment
  - extra space for cabling
  - full accessibility from top and bottom
- **Ready to use:**
  - equipped with standard 250A main switch
- **Chassis:**
  - type tested up to 250A (for 400A please consult us)
  - complete solutions from 24 poles to 84 poles
- **Designed and manufactured in Australia**

External Dimensions			No Poles	Distribution Board		
Height (mm)	Width (mm)	Depth (mm)		Without Main Switch Cat. No	With Main Switch Cat. No	With Main Switch Cat. No (orange)
800	600	200	24	HPM0800L - 24	HPM0800L2425F	HPM0800L2425FO
800	600	200	36	HPM0800L - 36	HPM0800L3625F	HPM0800L3625FO
1 000	600	200	48	HPM1000L - 48	HPM1000L4825F	HPM1000L4825FO
1 000	600	200	60	HPM1000L - 60	HPM1000L6025F	HPM1000L6025FO
1 200	600	200	72	HPM1200L - 72	HPM1200L7225F	HPM1200L7225FO
1 200	600	200	84	HPM1200L - 84	HPM1200L8425F	HPM1200L8425FO

For other pole capacity and 400A Distribution Boards Please consult us

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Modular distribution blocks
40 to 250 A

048 88

048 77

048 68

Technical characteristics (p. 111)

Standard distribution
Connection with or without Starfix ferrules
Self-extinguishing, according to EN 60695-2-11: 960° C on active part supports

Monobloc modular distribution blocks

Mounting on rail 4 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 048 77)

Double pole

Equipped with 2 bars

Pack	Cat. No.	Rating (A)	Isc peak (kÂ)	Icw (kA)	Number of modules
5	048 81	40	20	3	6
10	048 80	100	20	4.5	4
5	048 82	125	18	4.5	8

Four pole

Equipped with 4 bars

Pack	Cat. No.	Rating (A)	Isc peak (kÂ)	Icw (kA)	Number of modules
5	048 85	40	20	3	6
10	048 84	100	20	4.5	4
5	048 86	125	20	4.5	6
5	048 88 (1)	125	14.5	4.2	8
1	048 79 (1)	160	27	8.4	10
1	048 77	250	42	14.4	9

Modular distribution blocks

Mounting on rail 4
Fitted with Lexic label holder
Can be joined together
Possibility of forming a four pole distribution block by adding modules

Single pole

Pack	Cat. No.	Rating (A)	Isc peak (kÂ)	Number of modules
4	048 71	125	35	2
4	048 83	160	27	2
4	048 73	250	60	2

Distribution terminals

Pack	Cat. No.	
1	048 67	160 A - 6 outputs 25 mm² flexible - Isc peak 30 kÂ Can be fitted directly onto downstream terminal of DPX 125/160, Vistop 100/160 A and DX H 125 A
1	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 250/250 ER and DPX-IS 250

(1) With short ferrule supplied for flexible connection 25 mm²

Modular distribution blocks
40 to 250 A

■ Section for connecting rigid or flexible conductors (with Starfix ferrules)

Distribution Blocks Cat. No.	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. No.
048 67	6	8.5		6 to 25	376 68 to 71
048 68	4	10		6 to 35	376 68 to 77
	2	8.9		6 to 25	376 68 to 71
048 71	12	5.3	16 to 50	1.5 to 10	376 64 to 69
	4	10	1.5 to 10	16 to 35	376 70 to 77
					376 70 to 77
048 73	4	6	70 to 150	2.5 to 10	376 66 to 69
	6	8.5	2.5 to 16	10 to 25	376 69 to 77
	1	-	10 to 35	70 to 120	-
048 80	5	5.3	2.5 to 10	1.5 to 10	376 64 to 69
	2	7.5	10 to 25	6 to 16	376 68 to 70/77
048 81	11	4.3	1.5 to 4	0.75 to 4	376 62 to 67
	2	6	6 to 16	4 to 10	376 67/68/69
048 82	11	5.3	2.5 to 10	1.5 to 10	376 64 to 69
	2	7.5	10 to 25	6 to 16	376 68 to 70/77
	2	9	10 to 35	10 to 25	376 69/72/71
048 83	7	5.3	35 to 70	1.5 to 10	376 64 to 69
	2	7.5	2.5 to 10	6 to 16	376 68/69/77
	3	8.9	6 to 25	10 to 25	376 69/72
	1	-	10 to 35	25 to 50	376 71 to 77/78
048 84	5	5.3	2.5 to 10	1.5 to 10	376 64 to 69
	2	7.5	10 to 25	6 to 16	376 68 to 70/77
048 85	11	4.3	1.5 to 4	0.75 to 4	376 62 to 67
	2	6	6 to 16	4 to 10	376 67/68/69
048 86	7	5.3	2.5 to 10	1.5 to 10	376 64 to 69
	2	7.5	10 to 25	6 to 16	376 68 to 70/77
	2	9	10 to 35	10 to 25	376 69/77
048 88	11	5.3	2.5 to 10	1.5 to 10	376 64 to 69
	4	8.5	10 to 35	6 to 25	376 68 to 71
048 79	1		35 to 70	35 to 70	376 77/78
	8	5.3	2.5 to 10	1.5 to 10	376 64 to 69
	4	7.5	10 to 25	6 to 16	376 68 to 70/77
	2	8.5	10 to 35	10 to 25	376 69/77
048 77	6	6	2.5 to 16	2.5 to 10	376 66 to 69
	2	7.5	10 to 25	6 to 16	376 68 to 70/77
	2	8.5	10 to 35	10 to 25	376 69 to 77
	1	10	16 to 50	16 to 35	376 70 to 72/77
	1	-	50 to 120	50 to 120	376 78

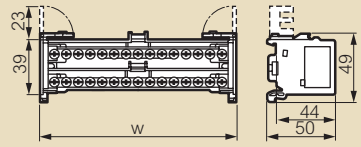
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Modular distribution blocks
40 to 250 A (continued)

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
Use in DC: without derating
Self-extinguishing 960 ° C on active parts supports

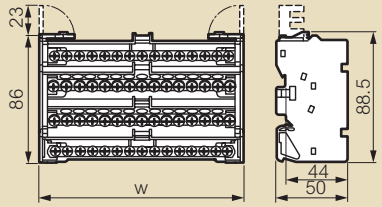
■ Monobloc modular distribution blocks

Double pole 40 - 100 - 125 A, Cat. No. 048 81/80/82

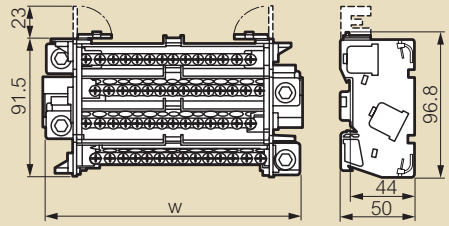


Cat. No.	Width (mm)
048 80	70
048 81	105
048 82	140
048 84	70
048 85	105
048 86	105
048 88	140
048 77	160
048 79	179

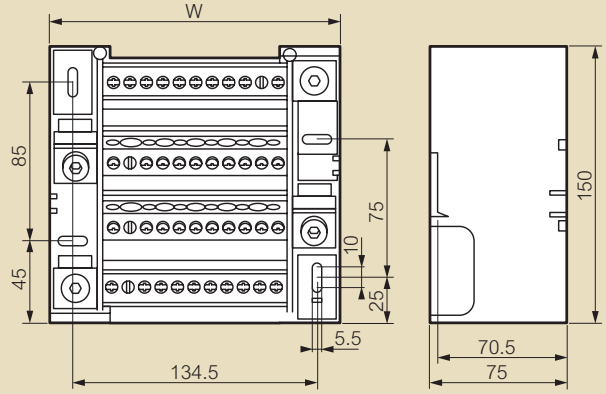
Four pole 40 - 100 - 125 A, Cat. No. 048 85/84/86/88



Four pole 160 A, Cat.No 048 79



Four pole 250 A, Cat.No 048 77
Self-extinguishing 960 ° C according to EN 60695-2-11

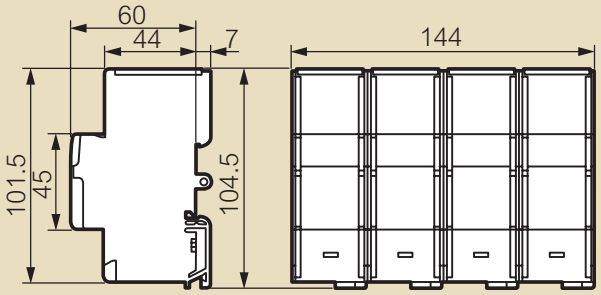


■ Use of IP 2X terminal blocks

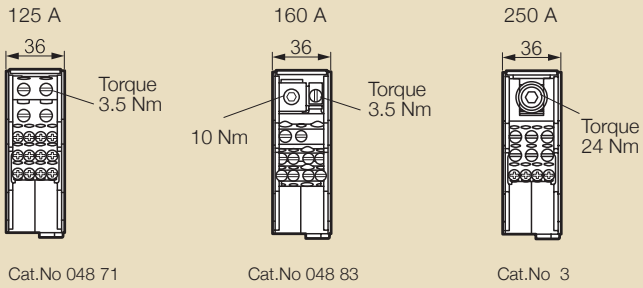
Modular distribution blocks	Derating	
	Voltage	Rating
048 80	400 V	80 A
048 81	400 V	40 A
048 82	400 V	100 A
048 84	400 V	80 A
048 85	400 V	40 A
048 86	400 V	100 A
048 88	400 V	100 A
048 79	400 V	100 A

■ Modular distribution blocks

Single pole 125 - 160 - 250 A, Cat. No. 048 71/83/73



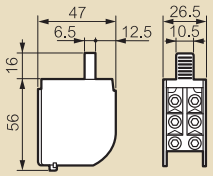
Connection



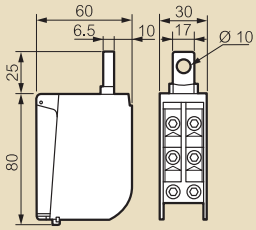
Cat.No 048 71 | Cat.No 048 83 | Cat.No 3

■ Distribution terminals, Cat. No. 048 67/68

160 A



250 A



Plexo³ enclosures

6019 74

6019 82

Self-extinguishing: resistance to incandescent wire 650°C
Conform to EN 60439-3
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
Lockable door handle, sealable cover and faceplate
Shock-resistant polystyrene material
Box colour light grey L750A, cover colour dark grey R746A
Supplied with IP2X Earth and Neutral terminal blocks
Spare blanking plate included as a standard for 12-24-36 modules

Enclosures 4 to 8 module

Pack	Cat. No.	Number of rows	Number of modules
6	6019 74	1	4
6	6019 76	1	6
6	6019 78	1	8

Enclosures 12 modules per row

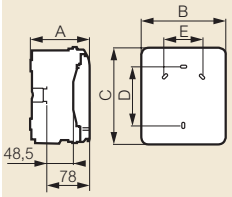
		Number of rows	No. of 5-module blanking plates
1	6019 81	1	1
1	6019 82	2	2
1	6019 83	3	2

Accessories

Pack	Cat. No.	
		Key lock
1	019 66	N° 850
		Fixing lugs
1	019 69	Set of 4 wall mounting lugs
		Blanking plates
20	019 61	5, separable into modules or 1/2 module, Grey R746A
		Direct piercing end caps
1	019 55	Pack consisting of 2 Ø32 mm ISO end caps, 5 Ø25 mm ISO end caps and 10 Ø20 mm ISO end caps

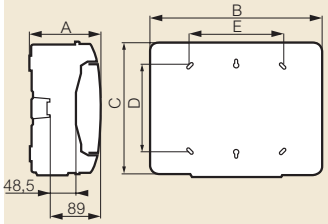
■ Dimensions

Cabinets 4, 6 and 8 modules



Cat. No.	Dimensions (mm)				
	A	B	C	D	E
6019 74	115.6	128	200	120	-
6019 76	115.6	164	200	120	70
6019 78	115.6	200	200	120	106

Cabinets 12, 24 and 36 modules



Cat. No.	Dimensions (mm)				
	A	B	C	D	E
6019 81	141	340	282	180	180
6019 82	161	340	432	330	180
6019 83	161	340	622	480	180

■ Number of knockouts on each side

Cat. No.	Top/bottom			Left/right		
	Ø20 mm	Ø25 mm	Ø32 mm	Ø20 mm	Ø25 mm	Ø32 mm
6019 74	2	1	-	2	-	-
6019 76	4	1	-	2	-	-
6019 78	6	1	-	2	-	-
6019 81	7	2	2	-	-	2
6019 82	13	2	2	-	-	3
6019 83	13	2	2	-	-	4

■ Direct piercing end caps

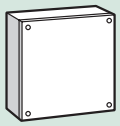
Cat.No	Type	Number of end caps per pack	Ø	
			Min. (mm)	Max. (mm)
019 55	**ISO 20**	10	4	13
	ISO 25	5	9	18
	ISO 32	2	12	25

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Notes

Industrial enclosures and equipment

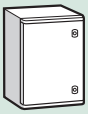
Industrial boxes



P. 119 Atlantic industrial metal boxes

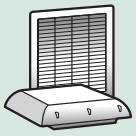
Cabinets:
- Atlantic
- Marina
Enclosures:
- Marina

P. 124 Atlantic and Marina selection chart



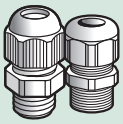
P. 130 Marina polyester cabinets and enclosures IP66 - IK10

Heat regulation



P. 135 Enclosure heating and ventilation

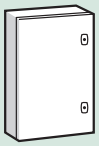
Cable glands and flexible conduits

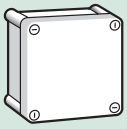


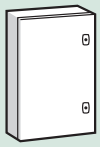
P. 137 Plastic cable glands IP 68

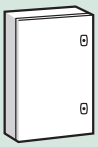
IP66
Atlantic steel enclosure
(P. 128)

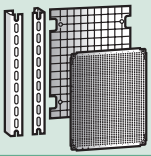
Atlantic – IP66
Stainless steel enclosure
(P. 129)

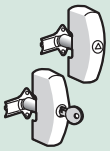

P. 121
Plastic
industrial boxes

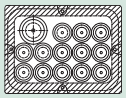

P. 121
Plexo and junction
boxes


P. 128
Atlantic
metal cabinets
IP 66 - IK 10


P. 129
Atlantic stainless
steel cabinets
IP 66 - IK 10


P. 134
Modular
chassis and
internal door


P. 135
Locking
accessories


P. 136
Cabstop

Modular Chassis
(P. 134)

Solutions for industrial applications

Specific products and systems, reliable and fully adapted for the most demanding industrial environments.

THEY HAVE SPECIFIED AND INSTALLED LEGRAND PRODUCTS:

Sydney Airport: Mascot | NSW
District Courts: Sydney | NSW
Westfield Shopping Centres: Sydney | NSW
UNSW Living Apartment Village: Kensignton | NSW
Koniambo Mines: New Caledonia
STAHL Building DOF: Bandiana | NSW
Main Roads Dept (traffic signal): SE | QLD
Hogs Breath: Coolangatta | QLD
KFC Bulding: NTH Albury | VIC

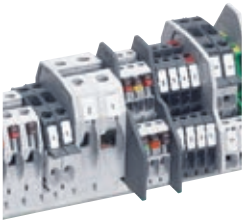
Atlantic stainless steel cabinet equipped with Hypra industrial sockets

ENCLOSURES

CABINETS
AND ENCLOSURES
ATLANTIC, MARINA
3 materials available covering all industrial applications and environments

EQUIPMENT

SLOTTED DUCT
(See p. 176)
A wide range to suit all applications



VIKING 3 CONNECTION
(See p. 163)
The innovator in screw or automatic spring connection terminal blocks

MARKING SYSTEMS
(See p. 180)
Memocab, CAB 3, Duplix, marking systems for easy identification of circuits inside enclosures

STARFIX CRIMPING TOOLS
(See p. 178)
Ferrules for cable sizes 0.25mm² to 6mm²

INDUSTRIAL SOCKETS AND COMBINED UNITS (IEC)

HYPRA RANGE
(See p. 190)
For reinforced safety in any situation

For Quantum Range – AS/NZS plug and socket configuration
See HPM catalogue section 18

PLASTIC CABLE GLAND

ANTI-VIBRATION MECHANICALLY TIGHTENED CABLE GLAND
(See p. 137)

TRANSFORMERS AND POWER SUPPLIES

TRANSFORMERS
(See p. 150)
Compact size transformers: more free space inside enclosures.

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Atlantic industrial metal and stainless steel boxes

EXTERNAL DIMENSIONS				METAL BOXES(1)		EQUIPMENTS		
				RAL 7035	Stainless steel 304 L	Plain plates	Symetrical rails Depth: 7.5 mm	Symetrical rails Depth: 15 mm
Shapes	H (mm)	W (mm)	D (mm)					
	150	150	80	356 00	356 50	356 60	367 90	
	200	200	80	356 03		356 62	367 91	
	150	150	120			356 60	367 90	
	200	200	120	356 04	356 53	356 62	367 91	
	300	300	120	356 08		356 65	367 92	
	400	400	120	356 12		356 68	367 93	
	150	200	80	356 02		356 61	367 91	
	150	300	120	356 05		356 63	367 92	
	200	300	120	356 07		356 64	367 92	
	200	400	120	356 10	356 56	356 66	367 93	
	200	500	120	356 14		356 69		367 94
	300	500	120	356 15		356 70		367 94
	200	600	120	356 17		356 71		367 95
	300	600	120	356 18		356 72		367 95
	400	600	120	356 19		356 73		367 95

(1) Associated products: wall-mounting lugs Cat.No 364 07 hinges Cat.No 358 07 and double bar lock Cat.No 358 08 (p. 269)

Industrial plastic boxes

INTERNAL DIMENSIONS				PLASTIC BOXES(1)			EQUIPMENTS
				IP 55 - IK 07 Low depth		IP 55 - IK 08 Increased depth	Metal mounting plates
				Opaque cover RAL 7035	Transparent cover RAL 7035	Opaque cover RAL 7035	
Shapes	H (mm)	W (mm)	D (mm)				
	80	80	45	921 27			
	105	105	55	921 37 / 921 38 (4)			
	130	130	74	359 30	359 31		358 10
	130	75	74	359 00	359 01		
	155	110	74	359 40	359 41		358 11
	180	140	86	359 50	359 51		358 12
	220	170	86	359 60	359 61		358 13
	270	170	86	359 70	359 71		358 14
	310	240	124	359 80	359 81		358 15
	220	170	140			921 22(3)	358 13
	359	265	154			350 58(2)	
	265	174	154			350 43	
	310	240	160			350 54	
	360	270	124		359 91		358 16

(1) Supplied with fixing screws Ø4 mm
(2) Hinges, 2 locks
(3) 4 locks
(4) 921 37 = Pre-cut knockout 921 38 = Undrilled

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Atlantic industrial metal boxes
IP 66 - IK 10 - Nema 4

356 56 with hinges Cat.No 358 07

Technical characteristics (p. 120)

Pack	Cat.No	**Metal RAL 7035**
		IP 66 according to standards IEC EN 60529 IK 10 according to standards IEC EN 62262 Nema 4 Reversible boxes, 2 fixing methods: - Direct fixing - Fixing via stainless steel lugs Cat.No 364 07 Captive screws Solid galvanized steel plates Anti-corrosion paint finish Supplied with 2 drilled vertical uprights (3 uprights for width 800 mm) for fixing rails and plain plates Textured paint finish RAL 7035
		Square version
		Height x Width x Depth (mm)
1	356 00	150 x 150 x 80
1	356 03	200 x 200 x 80
1	356 04	200 x 200 x 120
1	356 08	300 x 300 x 120
1	356 12	400 x 400 x 120
		Rectangular version
1	356 02	150 x 200 x 80
1	356 05	150 x 300 x 120
1	356 07	200 x 300 x 120
1	356 10	200 x 400 x 120
1	356 14	200 x 500 x 120
1	356 15	300 x 500 x 120
1	356 17	200 x 600 x 120
1	356 18	300 x 600 x 120
1	356 19	400 x 600 x 120
1	356 22	400 x 800 x 120

		304 L stainless steel
		IP 66 according to standards IEC EN 60529 IK 10 according to standards IEC EN 62262 Nema 4 Reversible boxes, 2 fixing methods: - Direct fixing - Fixing via stainless steel lugs Cat.No 364 07 Captive screws Solid galvanized steel plates Anti-corrosion paint finish Stainless steel screws Supplied with pins for fixing rails and plain plates
		Square version
		Height x Width x Depth (mm)
1	356 50	150 x 150 x 80
1	356 53	200 x 200 x 120
		Rectangular version
1	356 56	200 x 400 x 120

Atlantic industrial metal equipment
IP 66 - IK 10 - Nema 4

356 15
with plate Cat.No 356 70
and wall mounting lugs Cat.No 364 07

356 08
with double bar lock
Cat.No 358 08
and hinges Cat.No 358 07

Pack	Cat.No	**Accessories for boxes IP 66 - IK 10 - Nema 4**
		Hinges
1	358 07	Set of 2 hinges moulded zamak, nickel-coated IP 66 maintained
		Galvanized steel
		Height x Width of box (mm):
1	356 60	150 x 150
1	356 62	200 x 200
1	356 65	300 x 300
1	356 68	400 x 400
1	356 61	150 x 200
1	356 63	150 x 300
1	356 64	200 x 300
1	356 66	200 x 400
1	356 69	200 x 500
1	356 70	300 x 500
1	356 71	200 x 600
1	356 72	300 x 600
1	356 73	400 x 600
1	356 75	400 x 800
		Symmetrical rails
		Zinc steel

		Box width (mm)	Rail dimensions (mm)	Rail depth (mm)
5	367 90	150	130	7.5
5	367 91	200	180	7.5
5	367 92	300	280	7.5
5	367 93	400	380	7.5
5	367 94	500	480	15
5	367 95	600	580	15
5	367 96	400	800	15

		Wall-mounting lugs
1	364 07	Set of 4 stainless steel lugs for horizontal or vertical installation on box
		Double bar lock
1	358 08	For boxes equipped with hinges Consisting of: lock, key and 4 blanking plates Metal boxes: IP 66 maintained with screws, IP 51 with blanking plates Stainless steel boxes: IP 66 maintained with blanking plates Take key barrels and other knockouts (p. 135)

RAL 7035 boxes, other dimensions, grid plates, please consult us

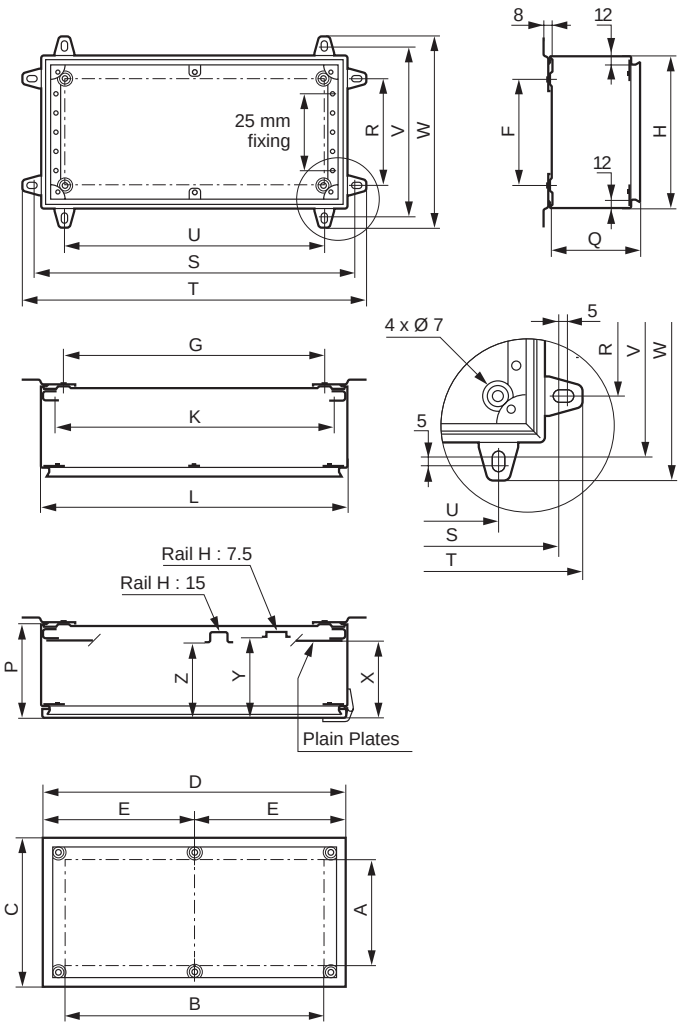
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Atlantic industrial metal boxes
Technical specifications

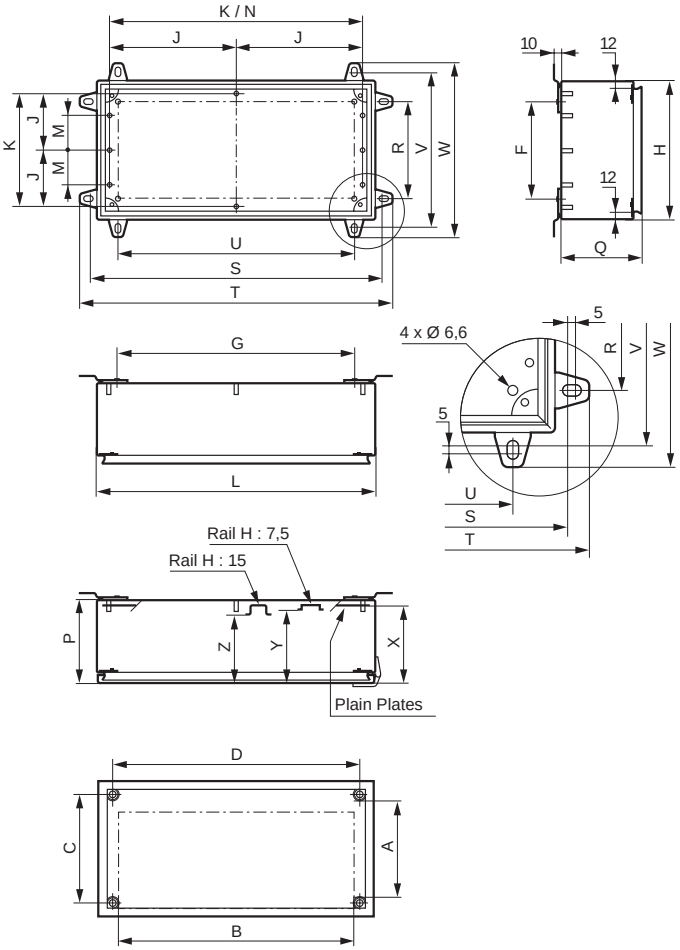
Characteristics of metal boxes
IP 66 - IK 10 - Nema 4

IP 66 to standard IEC 60529 (NFC 20-010)
IK 10 to standard IEC 62262 ⎓ NF EN 50102 (NFC 20-015) - Nema 4

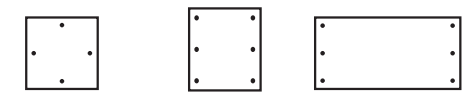
Dimensions of metal boxes



Dimensions of 304L Stainless Steel boxes



Slots for pins



Cat. No. 356 50 Cat. No. 356 53 Cat. No. 356 56

	External Dimensions			Useful surface of cover fixing (mm)						Wall mounting		Accessories							Wall mounting dimensions					
Cat. No.	H	W	D	Q	A	B	C	D	E	F	G	J	K	M	N	X	Y	Z	R	S	T	U	V	W
356 00	150	150	80	76	88	88	107	107	-	90	90	-	114	-	-	61	55	47,5	90	170	200	90	170	200
356 02	150	200	80	76	88	138	107	157	-	90	140	-	164	-	-	61	55	47,5	90	220	250	140	170	200
356 05	150	300	120	116	88	238	107	257	-	90	240	-	264	-	-	101	95	87,5	90	320	350	240	170	200
356 03	200	200	80	76	138	138	157	157	-	140	140	-	164	-	-	61	55	47,5	140	220	250	140	220	350
356 04	200	200	120	116	138	138	157	157	-	140	140	-	164	-	-	101	95	87,5	140	220	250	140	220	250
356 07	200	300	120	116	138	238	157	257	-	140	240	-	264	-	-	101	95	87,5	140	320	350	240	220	250
356 10	200	400	120	116	138	338	157	357	-	140	340	-	364	-	-	101	95	87,5	140	420	450	340	220	250
356 14	200	500	120	116	138	438	157	457	-	140	440	-	464	-	-	101	95	87,5	140	520	550	440	220	250
356 08	300	300	120	116	238	238	257	257	-	240	240	-	264	-	-	101	95	87,5	140	320	350	240	320	350
356 15	300	500	120	116	238	438	257	457	-	240	440	-	464	-	-	101	95	87,5	240	520	550	440	320	350
356 12	400	400	120	116	338	338	357	357	-	340	340	-	364	-	-	101	95	87,5	340	420	450	340	420	450
356 17	200	600	120	116	138	538	157	-	278,5	140	540	-	564	-	-	101	95	87,5	140	620	650	540	220	250
356 18	300	600	120	116	238	538	257	-	278,5	240	540	-	564	-	-	101	95	87,5	240	620	650	540	320	350
356 19	400	600	120	116	338	538	357	-	278,5	340	540	-	564	-	-	101	95	87,5	340	620	650	540	420	450
356 22	400	800	120	116	338	738	357	-	378,5	340	740	-	764	-	-	101	95	87,5	340	820	850	740	420	450
356 50 (1)	150	150	80	76	88	88	107	107	-	90	90	57	-	-	114	70	64	56,5	90	170	200	90	170	200
356 53 (2)	200	200	120	116	138	138	157	157	-	140	140	-	-	50	164	110	104	96,5	140	220	250	140	220	250
356 56 (2)	200	400	120	116	138	338	157	357	-	140	340	-	-	50	364	110	104	96,5	140	420	450	340	220	250

(1) 4 pins, (2) 6 pins

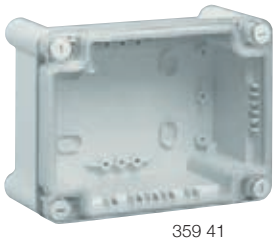
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

IP55 plastic boxes

359 40

921 00

358 01



359 41

IP66 plastic boxes

350 44 with hinges Cat. No. 358 01

358 02
horizontal or vertical position
with set of 4 mounting legs

350 13

IP 55 – IK 07
RAL 7035
Material: polypropylene box and polycarbonate transparent cover
– halogen free
Temperature rating: –25° C to +40° C
Self-extinguishing 750° C
Conform to EN 60695 2-1
Detachable clip-on cover retainer except
310 x 240 and 360 x 270 boxes
Complete dimensions available on request
Sealable cover with 1/4 turn fixings

Pack	Cat. No.	Plexo junction boxes
		2 or 4 internal points for Ø 5 mm screws Possible to fit cover partially while cables are installed
		Clip-on cover Square weatherproof box
5	921 27	80 x 80 x 45mm (internal dimensions) With pre-cut knock-outs
		Round weatherproof box
5	921 00	60 x 40 (internal dimensions) With glands
		1/4 turn cover **Square weatherproof box IP55 – IK 07**
		105 x 105 x 55mm (internal dimensions)
5	921 37	With pre-cut knock-outs
5	921 38	Undrilled

Weatherproof boxes class II

With fixing slots for easy alignment
Undrilled with smooth sides

Pack	Plain Cover	Transparent Cover	Normal internal dimensions H x W x D
1	359 00 (1)	359 01	130 x 75 x 74 mm
1	359 30 (1)	359 31 (1)	130 x 130 x 74 mm
1	359 40 (1)	359 41 (1)	155 x 110 x 74 mm
1	359 50 (1)	359 51 (1)	180 x 140 x 86 mm
1	359 60 (1)		220 x 170 x 86 mm
1	921 22 (4)		220 x 170 x 140 mm
1	359 70 (1)	359 71 (1)	270 x 170 x 86 mm
1	359 80 (2)	359 81 (2)	310 x 240 x 124 mm
1	359 90 (2)	359 91 (2)	360 x 270 x 124 mm
1	350 58		359 x 265 x 154 mm (IP 55 - IK 08)
1	350 54		310 x 240 x 160 mm (IP 55 - IK 08)
1	350 43		265 x 174 x 154 mm (IP 55 - IK 08)

*Material:
Polystyrene box and polypropylene cover, halogen free.
Temperature rating: 25°C to 40°C.
Self-extinguishing 650°C.

IP 66 – IK 08
RAL 7016
– halogen free
Temperature rating: -25° C to + 80° C
Self-extinguishing 750° C
NF EN 60695 2-1
Detachable clip-on cover retainer except 310 x 240 and 360 x 270 boxes
Sealable cover with 1/4 turn fixing
Undrilled with smooth sides

Pack	Cat. No.	Weatherproof boxes class II
		Opaque cover **Normal internal dimensions** **H x W x D**
1	350 07	130 x 75 x 74 mm
1	350 13 (1)	130 x 130 x 74 mm
1	350 17 (1)	155 x 110 x 74 mm
1	350 22 (1)	180 x 140 x 86 mm
1	350 28 (1)	220 x 170 x 86 mm
1	350 33 (2)	270 x 170 x 86 mm
1	350 44 (2)	310 x 240 x 124 mm
1	350 47 (2)	360 x 270 x 124 mm

Accessories (Suitable for IP55/IP66)

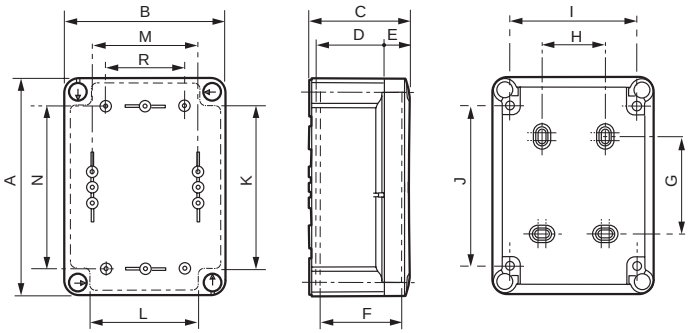
Pack	Cat. No.	Metal mounting plates - 1.5mm thick
5	358 10	130 x 130 mm
5	358 11	155 x 110 mm
5	358 12	180 x 140 mm
5	358 13	220 x 170 mm
5	358 14	270 x 170 mm
5	358 15	310 x 240 mm
5	358 16	360 x 270 mm
		Set of 2 hinges UV protected polyamide in dark grey (RAL 7016)
1	358 00	For box 130 x 130 mm to 270 x 170 mm
1	358 01	For box 310 x 240 mm to 360 x 270 mm
		Set of 4 wall lugs
1	358 02	New model only Not suited for Cat. No. 359 00, 359 01 and 350 07

(1) Accepts Cat. No. 358 00 hinges, (2) Accepts Cat. No. 358 01 hinges,
(3) With or without pre-cut knock-outs, (4) 4 Locks

Adaptable boxes
Technical specifications

Connectors and terminal strips

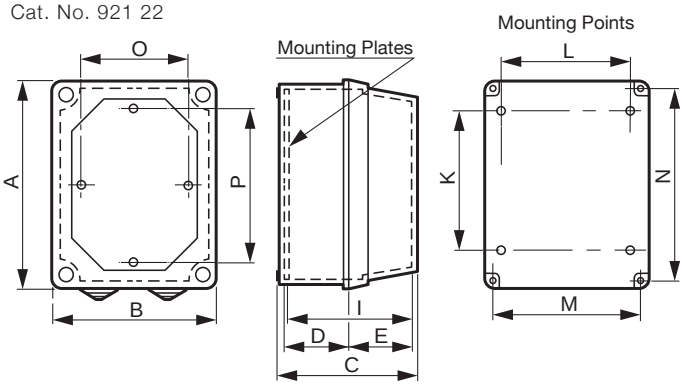
Boxes IP 55 - IK 07 and IP 66 - IK 08



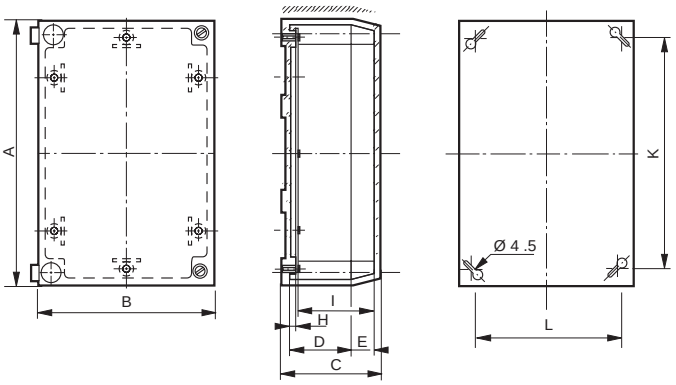
(1) Fixing for accessories

Boxes Cat. No.	Usable area						Mounting points				Mounting accessories (screw ø 4mm)				
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R
359 00/01 350 07	140	85	81	56	18	67	70	-	65	120	-	-	51	106	-
359 30/31 350 13	150	150	81	56	18	67	54	70	120	103	102	87	106	106	84
359 40/41 350 17	175	130	81	56	18	67	79	50	100	128	112	88	86	131	64
359 50/51 350 22	200	160	94	69	18	80	104	50	130	153	137	112	116	156	94
359 60 350 28	240	190	94	69	18	80	144	80	160	193	175	142	146	196	124
359 70/71 350 33	290	190	94	69	18	80	194	80	160	243	226	142	146	246	122
359 80/81 350 44	332	262	132	97	27	116	220	160	222	276	248	198	200	260	150
359 90/91 350 47	382	292	132	97	27	116	270	190	252	326	298	228	230	310	150

Boxes depth > 124 mm IP 55 - IK 07
Cat. No. 921 22



IP 55 - IK 08
Cat. No. 350 58



Boxes Cat. No.	Internal volume							Mounting Points		Usable area (dm²)	Weight (kg)
	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	H (mm)	I (mm)	K (mm)	L (mm)		
350 58	367	273	165	62	92	3.8	148.5	340	246	9.0	1.80

340 33

342 19/17

Nybloc™ terminal strips

12 sections with captive screws
Supplied with screws open
Polypropylène – 25° to + 100° C (temperature)
Ambiant temperature – 25° C to + 55° C

Pack	Cat. No.			
	Black	Nominal connection (mm²)	Diameter Ø (mm)	I max. (A)
10	342 11	2.5	2.5	24
10	342 13	6	3.5	41
10	342 15	10	4.5	57
10	342 17	16	5.5	76
10	342 19	25	7	101

Non-shear line taps

Pack	Cat. No.	Hexagonal head		
		Capacity per tap height (mm²)	Width of slot (mm)	Overall max. cable diam. (mm)
20	340 30	2 x 6	3.3	27
20	340 31	2 x 10	4.5	37
20	340 32	2 x 18	5.8	41
20	340 33	2 x 30	7.4	49
10	340 34	2 x 50	9.5	59

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

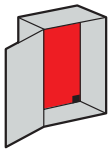
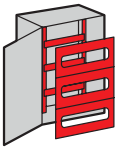
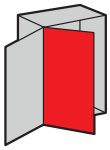
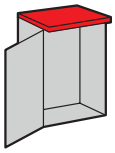
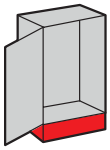
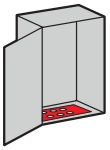
Notes

Cabinets and equipment Atlantic, Atlantic stainless steel, Marina

EXTERNAL DIMENSIONS				ATLANTIC CABINETS (p. 128)			MARINA CABINETS (p. 130)	
				METAL IK 10	STAINLESS STEEL IP 66-IK 10		POLYESTER - IP 66 - IK 10	
				RAL 7035 equipped with plain plates IP 55	304 L	316 L	RAL 7035	RAL 7035 with glass door
Shapes	H (mm)	W (mm)	D (mm)					
	300	200	160	386 00	352 00 supplied with plain plate	352 40 supplied with plain plate	362 50	
	400	300	200	386 05	352 01	352 41	362 51	362 71
	500	400	200	386 09	352 02	352 42	362 52	362 72
	600	400	200	386 13	352 03			
	500	400	250	386 10				
	600	400	250	386 14	352 05	352 45	362 55	362 75
	700	500	250	386 21	352 06	352 46	362 56	362 76
	800	600	250	386 23				
	1000	800	250	386 28				
	800	600	300	386 24	352 11	352 47	362 61	362 81
	1000	800	300	386 29	352 13	352 53	362 63	362 83
	1200	800	300	386 30	352 14		362 64	362 84
	800	600	400	355 28 (7)				
	1000	800	400	355 29 (7)				
	1200	800	400	355 96 (7)				
	1400	800	400		352 15		362 85	
	1600	800	400				362 86	
	1800	800	400				362 87	
	300	300	200	386 02				
	400	400	200	386 06				
	500	500	250	386 11				
	600	600	250	386 19				
	800	800	300	386 25				

(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. 294) -
(5) Use kit Cat.No 364 98 (p. 278) for direct mounting on Marina cabinets - (6) 2 doors version, IP 55 - (7) IP66 Enclosure
(A) For Atlantic - (M) For Marina

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

EQUIPMENT						ASSOCIATED PRODUCTS
Plain plates 	**Insulated modular chassis** 	**Internal doors** (+Cat.No 363 69 for mounting on Atlantic metal cabinets) 	**Roofs** 	**Plinths** 	**IP 55 Cabstop plate** Direct mounting on Atlantic cabinet opening(5) 	**Kit Cat.No 364 98 for mounting Cabstop plate on plain surface**
360 49(M)						**Document pockets**
360 52	361 01	363 59			364 94	**Cable Glands**
360 55	361 02	363 60			364 95	
360 56		363 61			364 95	
360 55		363 60			364 95	
360 56	361 03	363 61			364 95	**Heat regulation**
360 58	361 05	363 62	362 93(M)		364 96	
360 59		363 63			364 97	
360 61		363 64			364 97	
360 59	361 06	363 63	362 94(M)	362 91(M)	364 97	**19" wall mounting chassis**
360 61	361 09	363 64	362 95(M)	362 92	364 97	
360 64	361 10	363 65	362 95(M)	362 92	364 97	
360 59		363 63			364 97	
360 61		363 64	362 97	362 96	364 97	
360 64		363 65(3)	362 97	362 96	364 97	**Floor fixing with stands**
360 67 / 349 59			362 97	362 96	364 97	
349 50			362 97	362 96	364 97	
344 18			362 97	362 96	364 97	
360 69					364 94	
360 70					364 95	
360 71					364 96	**Locking accessories**
360 57					364 97	
360 60					364 97	

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Weatherproof enclosures for all environments

Steel with polyester RAL 7035 – IP66:
- suitable for service areas and industrial sites where there are not specific restrictions or excessive corrosion.

Stainless steel – IP66:
- suitable for the most demanding environments. Available in 2 grades: 304L and 316L. 316L is designed for agressive environments (curing, offshore etc.).

Reinforced glass polyester resin RAL 7035 – IP66:
- suitable for corrosive environments (coastal and petrochemical).

IMPORTANT CONSIDERATIONS WHEN SELECTING ENCLOSURES

1. Physical enclosure size
- ample room to accommodate equipment
- allow 30% space for future equipment
- features for mounting equipment
- for quick and easy enclosure selection see pages 18 - 19

2. IP Rating - the degree of protection required
- protection of equipment against ingress of solid foreign objects (including dust)
- protection of equipment against harmful ingress of water
- refer to IP Chart on page 171

3. Application and place of installation
- Indoor or outdoor (thermal or U.V. light considerations)
- Non corrosive or corrosive atmosphere (corrosive agents present)

4. Type of material and finish
- steel coated with polyester
- 316 Stainless Steel
- non-metallic – thermoplastics, glass and polyester resin
- colour RAL 7035

5. Method of mounting/fixing
- free standing or wall mounting

6. Access for installation and maintenance
- front and rear

7. Cable entry
- gland plates
- custom punched holes or Cabstop®

8. Accessories
- mounting plate
- door locking requirements – keyed locks etc.
- plinths – free standing requirements
- climate control – vents, fans, etc.

9. Custom design requirements or modifications
- cutouts (for push buttons, equipment or cable entry)
- viewing windows
- non standard sizes
- special mounting arrangements

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Cabinets and Enclosures: the right material for your environment

■ Steel coated with polyester RAL 7035

For industrial environments subject neither to specific restrictions nor excessive corrosion.
Enclosure hinges and axes treated with Dacromet.

Coating resistance following tests

Mechanical characteristics:
- adhesion (grid and adhesive tape) EN ISO 2409: Class 0 to 1
- persoz hardness EN ISO 1522: 320''
- bending on cylindrical mandrel EN ISO 1519: 6 mm, no cracks
- ericksen embossing EN ISO 1520: 8 mm
- shock resistance EN ISO 6272: 1 kg - 50 cm

Climatic conditions:

- saline mist ISO 9227 acc. to NSS test, EN 60068-2-11 acc. to Kq test: 1000 hrs
- sulphur dioxide SO2: 500 hrs
- heat 100° C for 168 hrs: excellent polish retention
- heat 150° C for 3 hrs: excellent polish retention
- cold: - 40° C

Coating process

Main stages of the process:
- phosphatisation: the layer of iron phosphate improves the coating's adherence properties.
- neutralisation
- application of a layer of pure polyester 60 microns thick via electrostatic dusting

■ Stainless steel

For very harsh environments
IP 66 supporting e.g. jet-washing

Surface state (brushing)

(acc. to EN ISO 4287) polygrain 180
- Ra between 0.25 and 0.35 µm
- Rt between 2.5 and 4 µm

Corrosion resistance

	304 L	316 L
Saline mist	1000 hrs	2000 hrs
Sulphur dioxide (SO_2)	1000 hrs	2000 hrs

304 L, resistant to chemical agents:

- nitric acid up to 52% at all temperatures and 98% when cold
- diluted organic acids when cold
- alkaline solutions (except when hot and above 50%)
- saline solutions other than chlorides, sulphurs and sulphates
- fresh water and natural atmosphere with low resistance to chloride
- food products (except mustards and white wines)

316 L, resistant to chemical agents:

- phosphoric acids all concentrations up to 40° C
- sulphuric acids less than 10% and greater than 80% at 20° C
- sulphonic mixtures up to 70° C
- sulphurous solutions and vapours, even boiling
- saline solutions without chlorides
- alkaline solutions all concentrations below 100° C
- fresh water and natural atmospheres (marine)
- organic, food and pharmaceutical products

Country-specific designation

		304 L	316 L
France	AFNOR	Z3 CN 18-10	Z3 CND 17-11-02
	NFEN	X 2 CNI 19-11	X 2 CNI Mo 17-12-2
Germany	DIN	X 2 CNI 19-11 (W.Nr 1-4 306	X 2 CNI Mo 17-13-2 (W.Nr 1-4-404)
USA	AISI	304L	316L

■ Reinforced glass polyester resin

- self-extinguishing acc. to EN 60695-2-11
- excellent UV resistance
- excellent corrosion resistance
- excellent resistance to saline mist
- highly scratch resistant
- highly resistant to fuels, oils and grease
- temperature: - 40° C to + 80° C in steady state, + 100° C at peak

Following degreasing and the application of a bonding primer, polyester resin enclosures can be painted using polyurethane paint.

Physical properties

- specific weight - density: 8
- expansion coefficient: 16 µm/° C
- specific heat: 500 J/kg° C
- electric resistance: 0.75 µΩ mm2
- thermal conductance: 15 W/m° C
- surface state (brushing): Acc. to NF E 05-015, polygrain 180; 0.25 < Ra < 0.35 µm and 2.5 < Rt < 4 µm.
- only the low carbon content (< 0.03%) of stainless steels 304 L and 316 L makes it possible to achieve excellent resistance to intercristalline corrosion.

■ Selection guide

Excellent •• Very good •• Good •

Environment		Indoors			Outdoors					Climates				
	Materials	Dry	Humid	Humid + Aggressive	Rural	Urban	Industrial	Tropical	Marine	Cold	Very Cold	Tempered	Hot and Dry	Equatorial
Atlantic Altis	Coated Steel	●●●	●●●	●	●●●	●●	●●●	(1)		●●		●●●	●●●	
	Stainless steel 304L	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●
	Stainless steel 316L	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
Marina	Polyester	●●●	●●●	●●	●●●	●●●	●●●	●●	●●●	●●	●	●●●	●●●	●●●

(1) Special treatment on request

Atlantic metal cabinets
IP 55 - IK 10 - equipped with plain plates

386 06

386 21

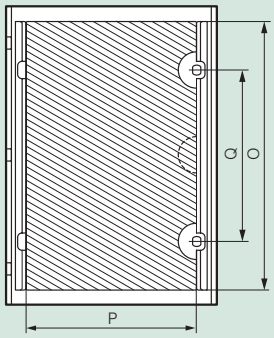
IP 55 - IK 10 according to IEC EN 60529
Opening one way
With galvanized plain mounting plate
Supplied with one double bar lock up to 500 x 500 x 250 mm and
2 double bar lock from 600 x 400 x 150 mm
Without cable entries plate
Plain plates on top and bottom
Easy mounting of the plate mounting plain RAL 7035
60 µ thick textured polyester coating

Pack	Cat.No	Metal cabinets	Weight (kg)	Number of closing points
		Dimensions (mm) Height x Width x Depth		
1	386 00	300 x 200 x 160	4.5	1
1	386 05	400 x 300 x 200	10.3	1
1	386 06	400 x 400 x 200	16.5	1
1	386 09	500 x 400 x 200	16.4	1
1	386 13	600 x 400 x 200	18.2	2
1	386 14	600 x 400 x 250	19.1	2
1	386 21	700 x 500 x 250	25	2
1	386 23	800 x 600 x 250	33	2
1	386 24	800 x 600 x 300	37.6	2
1	386 28	1000 x 800 x 250	58.9	2
1	386 29	1000 x 800 x 300	60.7	2
1	386 30	1200 x 800 x 300	77	2

		Wall-mounting lugs (set of 4)
1	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

Atlantic metal cabinets
IP 55 - IK 10 - equipped with plain plates

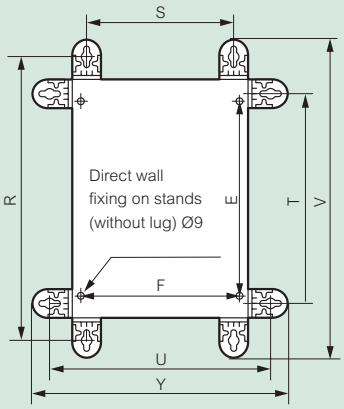
■ Doors: dimensions, usable area

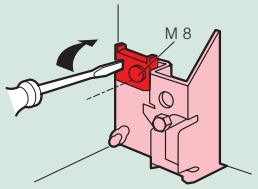


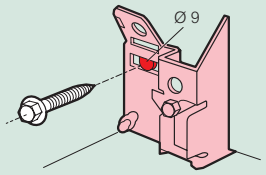
Enclosures H x W (mm)	Door usable space Height O (mm)	Width P (mm)	Area (dm²)	Locking position Q (mm)
300 x 200	251	148	3.4	(1)
300 x 300	251	248	5.9	(1)
400 x 300	351	248	6.4	(1)
400 x 400	351	348	11.4	(1)
500 x 400	425	300	12.4	(1)
500 x 500	425	400	16.7	(1)
600 x 400	525	300	19.1	350(2)
600 x 500	525	400	21.1	400(2)
600 x 600	525	500	25.6	350(2)
700 x 500	625	400	24.5	400(2)
800 x 600	725	500	35.8	500(2)
1200 x 800	1125	700	78.4	(1)

(1) Central lock
(2) Top and bottom lock

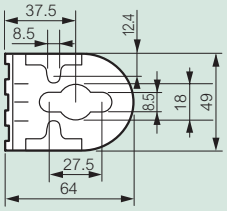
■ Fixing dimensions



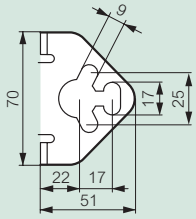




Cat.No 364 01



Cat.No 364 04

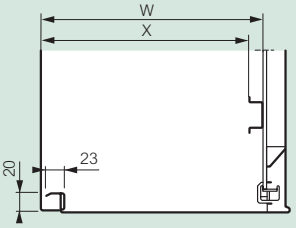


Cabinets H (mm)	W (mm)	Vertical lugs R (mm)	S(1) (mm)	Mounting centres E (mm)	Horizontal lugs T(1) (mm)	U (mm)	Mounting centres F (mm)	Overall 364 01 V (mm)	Y (mm)	Overall 364 04 V (mm)	Y (mm)
300	200	375	150	225	250	275	169	430	330	402	302
400	300	475	250	325	350	375	269	530	430	502	402
400	400	475	350	325	350	475	369	530	530	502	502
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	500	675	450	525	550	575	569	730	630	702	602
700	500	775	450	625	650	575	469	830	630	802	602
800	600	875	550	725	750	675	569	930	730	902	702
1000	800	1075	750	925	950	875	769	1130	930	1102	902
1200	800	1275	750	1125	1150	875	769	1330	930	1302	902

(1) Same fixing centres for Cat.Nos 364 01 and 364 04

■ Usable depth

Enclosures depth (mm)	Back of enclosures W (mm)	X (mm)
150	130	115
160	140	125
200	180	165
250	230	215
300	280	265



Steel enclosures with windows
Please consult us

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Atlantic stainless steel cabinets

Atlantic stainless steel cabinets

Wall-mounting lug for horizontal or vertical mounting

352 01 with wall mounting lugs Cat.No 364 06

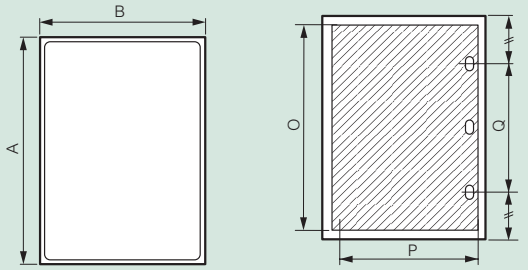
352 42

Pack	Cat.No	Stainless steel cabinets			
		IK 10 according to IEC EN 62262 Stainless steel 304 L, 316 L Agreements: UL, CSA, Veritas, LRS, Curved door, with double bar locks or handle 2433 A combination Protective flange Reversible cabinet			
		304 L vertical version 1 door IP 66 according to standard IEC 60529 LCIE No 170 790 10 A Nema 4x			
		External dimensions (mm) Height x Width x Depth		Weight (kg)	Gross volume (dm^3)
1	352 00(1)	300 x 200 x 160		4	20
1	352 01	400 x 300 x 200		5.8	42
1	352 02	500 x 400 x 200		8.3	66
1	352 03	600 x 400 x 200		10.8	75
1	352 05	600 x 400 x 250		12	92
1	352 06	700 x 500 x 250		15	131
1	352 11	800 x 600 x 300		22	201
1	352 13	1000 x 800 x 300		38	323
1	352 14	1200 x 800 x 300		45	387
1	352 15	1400 x 800 x 400		66	452
		316 L vertical version 1 door IP 66 according to standard IEC 60529 LCIE No 170 790 10 A Nema 4x AFNOR Z3 CND 17.12.02 For use in very harsh environments: - industrial: acid or acid fumes continuously present, halides present - offshore, naval: chlorides present - double bar inox lock (not interchangeable)			
1	352 40(1)	300 x 200 x 160		4	20
1	352 41	400 x 300 x 200		5.8	42
1	352 42	500 x 400 x 200		8.3	66
1	352 45	600 x 400 x 250		12	92
1	352 46	700 x 500 x 250		15	131
1	352 47	800 x 600 x 300		22	201
1	352 53	1000 x 800 x 300		38	323
		Wall-mounting lugs For load up to 300 kg Horizontal or vertical installation Supplied with stainless steel screws Set of 4			
1	364 06	304 L			

(1) Supplied with plain plate

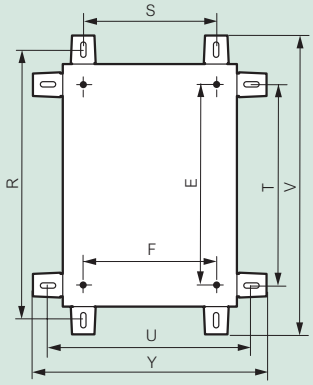
■ Usable dimensions

Doors

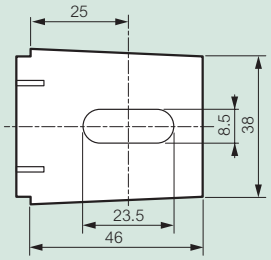


Cat.Nos	Cabinets dimensions			Door usable dimensions		Lock positions
	Height	Width	Depth			
	A (mm)	B (mm)	(mm)	O (mm)	P (mm)	Q (mm)
352 00/40	301.6	199.6	161.5	250	150	
352 01/41	401.6	299.6	201.5	350	250	
352 02/42	501.6	399.6	201.5	450	350	250
352 05/45	601.6	399.6	251.5	550	350	380
352 06/46	702.4	500	251.5	650	450	400
352 11/47	802.4	600	301.5	750	550	400
352 13/53	1003.6	800.6	301.5	950	750	600
352 14	1203.6	800.6	301.5	1150	750	700
352 15	1400.6	800.6	401.5	1350	750	700

Fixing

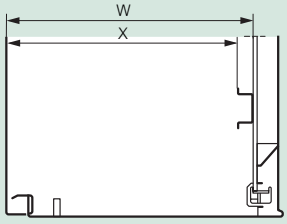


Cat.No 364 06/16



Cat.Nos	Vertical lugs		Horizontal lugs		V	Y	E	F
	R	S	T	U				
352 00/40	350	150	250	250	392	292	225	169
352 01/41	450	250	350	350	492	392	325	269
352 02/42	550	350	450	450	592	492	425	369
352 05/45	650	350	550	450	692	492	525	369
352 06/46	750	450	650	550	792	592	625	469
352 11/47	850	550	750	650	892	692	725	569
352 13/53	1050	750	950	850	1092	892	925	769
352 14	1250	750	1150	850	1292	892	1125	769
352 15	1450	750	1350	850	1492	892	1325	769

Usable depth



Enclosure depth (mm)	Back of enclosure	
	W (mm)	X (mm)
160	140	125
200	180	165
250	230	215
300	280	265
400	380	365

Weatherproof enclosures for all corrosive environments

Used to create totally isolated assemblies

- **Robust and safe installations** thanks to class II and fiber glass reinforced polyester cabinets
- **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 cabinets** thanks to complete range of accessories

Marina cabinets
Polyester - IP 66 - IK 10

362 56

362 76

Technical characteristics (p. 289)

IP 66 according to IEC EN 60529
LCIE in process
IK 10 according to IEC EN 62262
Class II (used to create totally isoled assemblies acc. to EN 60439-1)
Fiber glass reinforced polyester
Self-extinguisting 960°C acc. to IEC EN 60695-2-11
Adapted to corrosive environment
Reversible door opening 180°, (except Cat.No 362 50)
Stainless steel hinge pins (except Cat.No 362 50)
2 double bar lock (1 for Cat.No 362 50)
Key-locking possibility with handle Cat.No 368 05 + key barrel (p. 296)
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 362 50)
Optional depth adjustment from height 400 x width 300 mm
with Cat.No 362 42

RAL 7035 cabinets

Pack	Cat.No	External dimensions (mm) Height x Width x Depth	Corresponding metal cabinets (mm) Height x Width x Depth
1	362 50	300 x 220 x 160	300 x 200 x 160
1	362 51	400 x 300 x 206	400 x 300 x 200
1	362 52	500 x 400 x 206	500 x 400 x 200
1	362 55	610 x 400 x 257	600 x 400 x 250
1	362 56	720 x 510 x 250	700 x 500 x 250
1	362 61	820 x 610 x 300	800 x 600 x 300
1	362 63	1020 x 810 x 300	1000 x 800 x 300
1	362 64	1220 x 810 x 300	1200 x 800 x 300

RAL 7035 enclosures

		External dimensions (mm) Height x Width x Depth	Window dimensions (mm) Height x Width
1	362 85	1460 x 800 x 463	1400 x 800 x 400
1	362 86	1660 x 800 x 463	1600 x 800 x 400
1	362 87	1860 x 800 x 463	1800 x 800 x 400

RAL 7035 cabinets with glass door

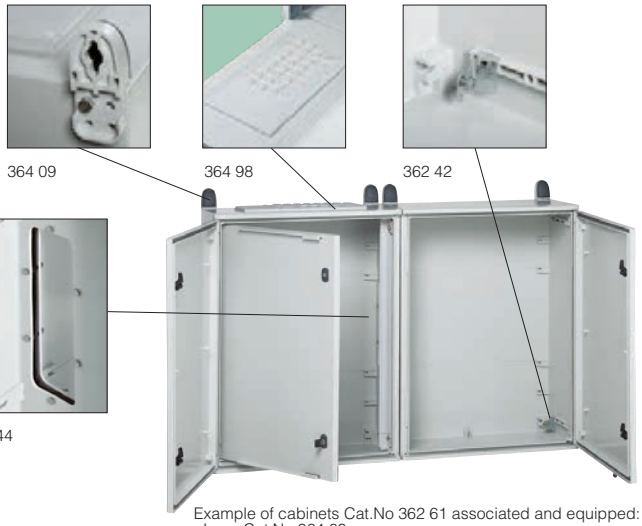
Coloured toughened glass

		External dimensions (mm) Height x Width x Depth	Window dimensions (mm) Height x Width
1	362 71	400 x 300 x 206	235 x 145
1	362 72	500 x 400 x 206	335 x 245
1	362 75	610 x 400 x 257	463 x 245
1	362 76	720 x 510 x 250	570 x 272
1	362 81	820 x 610 x 300	672 x 372
1	362 83	1020 x 810 x 300	770 x 495
1	362 84	1220 x 810 x 300	970 x 495

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Marina cabinets
Equipment

362 63
with plinth Cat.No 362 92
and roof Cat.No 362 95



364 09 — 364 98 — 362 42

362 44

Example of cabinets Cat.No 362 61 associated and equipped:
- Lugs Cat.No 364 09
- Internal door Cat.No 363 63 (p. 295)
- Cabstop plate + kit Cat.No 364 98
- Twin kit Cat.No 362 44
- Depth adjustment kit Cat.No 362 42

362 56
on stand Cat.No 364 36
and cross-pieces
Cat.No 364 39

Technical characteristics (p. 132)

Plinths RAL 7035

Pack	Cat.No	
		Height 170 mm Front and rear trap door Possibility to overlap 2 plinths
		For cabinets Width x Depth (mm)
1	362 91	600 x 300
1	362 92	800 x 300
1	362 96	800 x 400

Roof RAL 7035

Pack	Cat.No	
		For cabinets Width x Depth (mm)
1	362 93	500 x 250
1	362 94	600 x 300
1	362 95	800 x 300
1	362 97	800 x 400

Fixing accessories

IP 66 maintained

Wall mounting lugs

Set of 4, supplied with screws

Pack	Cat.No	For cabinets Height (mm)	Static load max. (kg)
1	364 08	300	100
1	364 09	400 to 1200	150

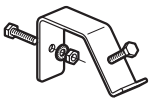
On ground

Stand comprised of 2 feet for fixing cabinets high up Supplied with cabinet fixing screws
Conform with standard EN 50125-3 (railway applications, fixed installations)

Pack	Cat.No	For cabinets Height (mm)
1	364 36	400-800
1	364 37	1000-1200
1	364 39	Anti-tipping cross-pieces Option of fitting castors Cat.No 329 68

Accessories

Pack	Cat.No	
1	362 42	Depth adjustment kit for cabinets depth ≥ 200 mm, for plate or uprights (p. 292, 294) Set of 4 lugs, supplied with screws
10	394 49	Set of 2 supports for 45° rail slope Supplied with 4 M6 screws, Ø6 mm, nuts and washers
1	364 98	Kit for mounting Cabstop plate on plane surface Enables mounting of 2 Cabstop plates: Cat.Nos 364 94 or 95, and 364 96 or 97 IP 55 maintained
1	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 364 09 to be ordered separately)
1	365 13	Padlock adaptor stainless steel for Marina cabinets height ≥ 400 mm additional to latches Takes 3 padlocks Ø6 max.



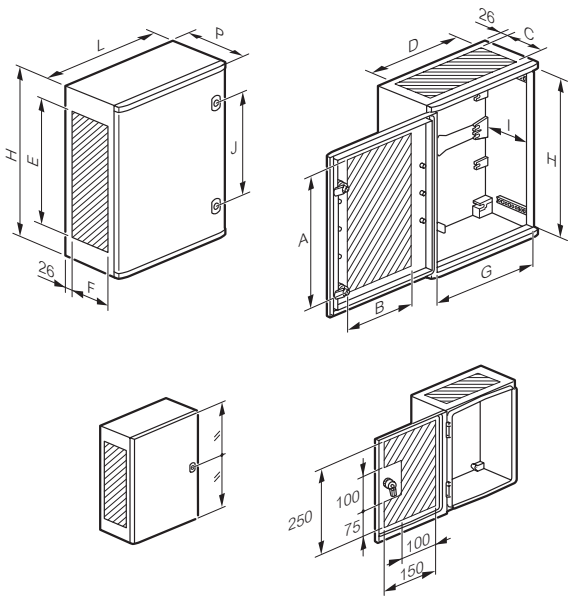
Other locking accessories (p. 135)

Stainless steel stands: please consult us

Marina cabinets (continued)

Polyester - IP 66 - IK 10 - RAL 7035

Dimensions, weights and usable areas



Cat. No.	Usable area (mm)									
	A (1)	B (1)	C	D	E	F	G	H	I maxi	J
362 50	250	150	105	195	250	115	194	280	130	-
362 51/71	300	180	130	250	260	150	260	350	178	200
362 52/72	400	280	130	350	360	150	360	450	178	300
362 55/75	500	280	180	350	460	180	360	560	225	400
362 56/76	600	340	170	400	560	170	460	662	211	400
362 61/81	700	440	220	500	660	230	560	762	261	500
362 63/83	900	600	220	700	860	230	760	962	261	580
362 64/84	1100	600	220	700	1060	230	960	1162	261	700

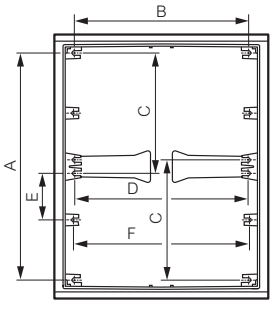
(1) Cabinets with glass window

Cat. No.	Dimensions H x W x D (mm)	Weight (kg)	Weight with window door (kg)
362 50	300 x 220 x 160	1.75	-
362 51/71	400 x 300 x 206	3.7	4
362 52/72	500 x 400 x 206	5.1	5.6
362 55/75	610 x 400 x 257	6.4	7
362 56/76	720 x 510 x 250	11.2	12.3
362 61/81	820 x 610 x 300	15.2	16.7
362 63/83	1020 x 810 x 300	21.8	23.9
362 64/84	1220 x 810 x 300	25	27.5

Equipment fixing

Cat. No.	A (mm)	B (mm)	C (mm)	D (mm)	E (1) (mm)	F (mm)
362 50	263	163	-	-	-	-
362 51/71	325	225	125	225	102.5	228.5
362 52/72	425	325	225	325	87.5	228.5
362 55/75	525	325	325	325	95	328.5
362 56/76	625	425	425	425	100	428.5
362 61/81	725	525	525	525	100	528.5
362 63/83	925	725	725	725	100	728.5
362 64/84	1125	725	925	725	100	728.5

(1) 2 studs on height Cat. No 362 50

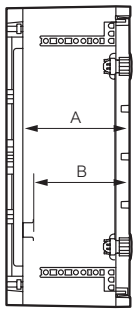


Partial plates mounting

Cabinet Cat. No.	Plate dim. (mm)	Plate Cat. No.
		Plain
362 52/72	300 x 400	360 52
362 55/75	400 x 400	360 70
362 56/76	500 x 500	360 71
362 61/81	600 x 600	360 57
362 63/83	800 x 800	360 60
362 64/84	1000 x 800	360 61

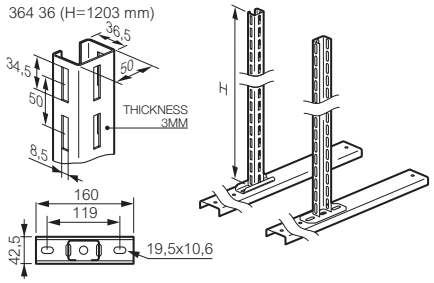
Adjustment of equipment (optional)

Cat. No.	Plain plate (mm)		Chassis with rail ⌴ (mm)	
	A max.	A min. (with Cat. No. 362 42)	B max.	B min. (with Cat. No. 362 42)
362 50	135	-	-	-
362 51/71	170	70	155	55
362 52/72	170	70	155	55
362 55/75	220	70	205	55
362 56/76	220	70	205	55
362 61/81	270	70	255	55
362 63/83	270	70	255	55
362 64/84	270	70	255	55

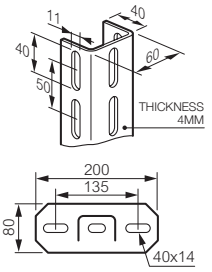


Uprights

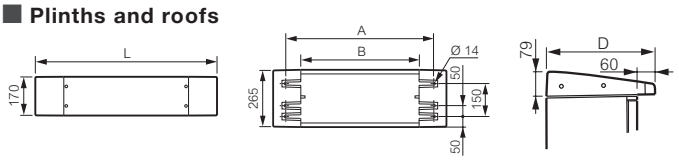
364 36 (H=1203 mm)



364 37 (H=1603 mm)



Plinths and roofs



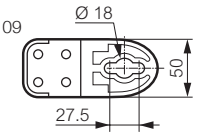
Plinths Cat. No.	L (mm)	A (mm)	B (mm)	Weight (kg)
362 91	590	480	344	4.8
362 92	790	680	544	5.4

same fixing distances on ground and cabinet side

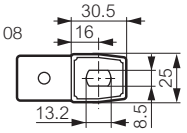
Roofs Cat. No.	Width (mm)	D (mm)	Weight (kg)
362 93	510	310	1
362 94	612	360	1.3
362 95	812	360	1.7

Fixing

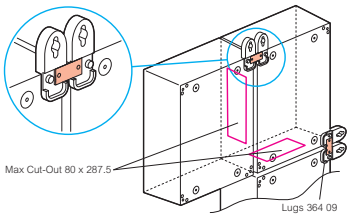
Cat. No. 364 09

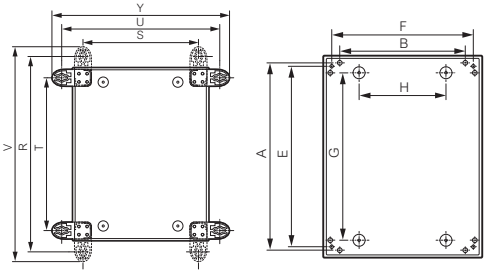


Cat. No 364 08



Cat. No. 362 44





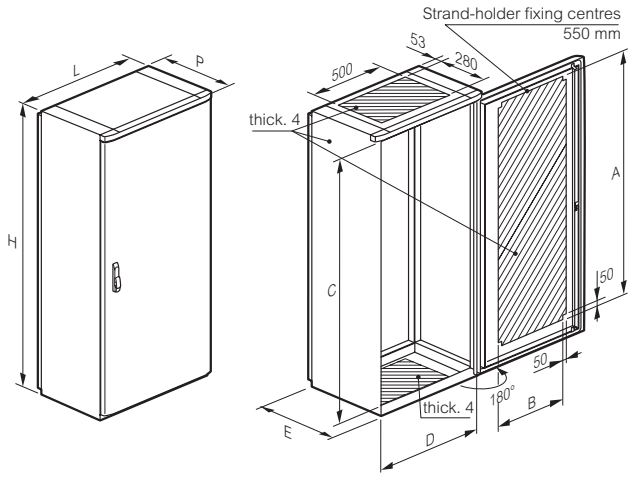
Cat. No.	On stands 364 36 (mm)		Direct fixing outside mounting plate and stand area 364 37 (mm)		Direct fixing through rear of cabinet (mm)		With vertical brackets (mm)			With horizontal brackets (mm)		
	A	B	E	F	G	H	R	S	V	T	U	Y
362 50 (1) (2)	-	-	-	-	220	150	330	190	359	270	250	279
362 51/71	364	218	358	259	325	120	470	241	525	341	370	425
362 52/72	464	318	458	359	425	220	570	341	625	441	470	525
362 55/75	574	318	558	358	525	220	680	341	735	551	470	525
362 56/76	683	427	664	468	600	200	789	441	844	641	579	634
362 61/81	781	525	764	568	700	300	887	548	942	758	677	732
362 63/83	981	725	964	768	900	500	1087	748	1142	958	877	932
362 64/84	1181	725	1164	768	1100	500	1287	748	1342	1158	877	932

(1) With brackets Cat. No. 364 08
(2) S and T dimensions: insert fixing centres

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Marina enclosures
Polyester - IP 66 - IK 10

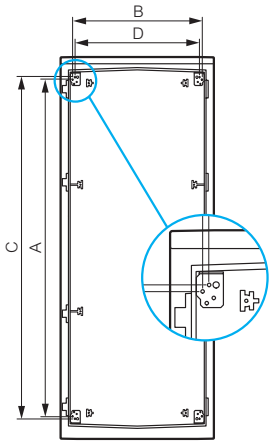
■ Dimensions weights and usable areas



Cat.Nos	Dimensions H x W x D (mm)	Weight (kg)	Usable areas (mm) A	B	C	D	E
362 85	1460 x 800 x 463(1)	49	1230	530	1300	700	380 (2)
362 86	1660 x 800 x 463(1)	53	1430	530	1500	700	380 (2)
362 87	1860 x 800 x 463(1)	57	1630	530	1700	700	380 (2)

(1) 487 with handle
(2) Usable depth

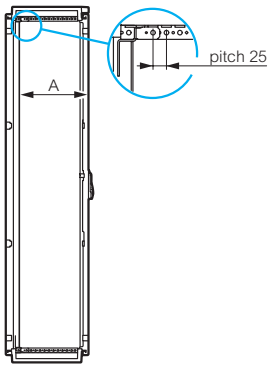
■ Equipment fixing



Cat.Nos	Plain plate A	B	Sectioned uprights(1) C	D
362 85	1225	675	1250	630
362 86	1425	675	1450	630
362 87	1625	675	1650	630

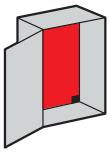
(1) for partial plates mounting

■ Adjustment of equipment

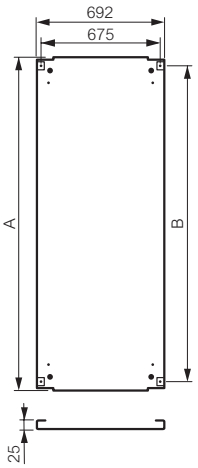


Plain plate (mm)		Partial plate (mm)		Chassis with rail 2 (mm)	
379	109	357	88	351	82

■ Plates
Choice of plates

Plate	Enclosures H. 1400 mm	Enclosures H. 1600 mm	Enclosures H. 1800 mm
Plain 	349 59	349 50	344 18

Plain plate

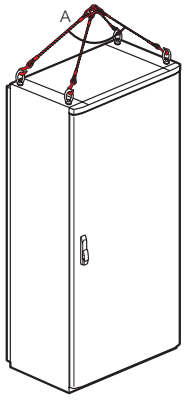


	Plain Plate A	B
1400	1292	1225
1600	1492	1425
1800	1692	1625

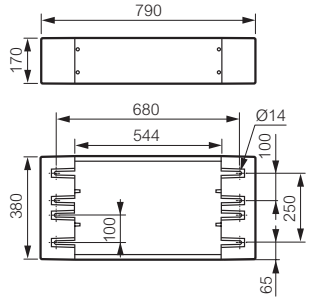
■ Suggested lifting method

4 x 500 kg slings and 4 brackets

A } 120° _ 600 kg
90° _ 800 kg
60° _ 1000 kg



■ Plinth Cat.No 362 96



Weight: 7 kg

Atlantic, Atlantic stainless steel, Marina

Distribution equipment for cabinets

360 58

361 03 mounted in cabinet Cat.No 354 94

363 60 mounted in Atlantic metal cabinets Cat.No 355 03 with Cat.No 363 69

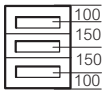
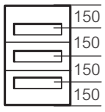
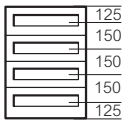
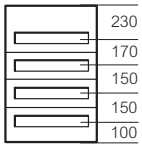
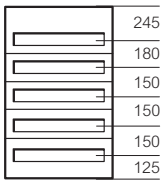
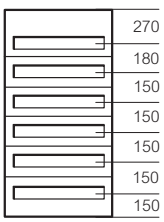
Accept key barrel

363 60 mounted in Atlantic stainless steel cabinets Cat.No 352 02

Chassis with insulating faceplates RAL 7035

Symmetrical rails 15 mm depth
Supplied complete with uprights and faceplates
Space between door and faceplate
Atlantic: } Depth 200: 70 mm
Atlantic stainless steel: } Depth 250: 80 mm
Marina: } Depth 300: 90 mm
Self extinguishing 750 °C acc. to IEC EN 60695-2-11

For cabinets
Height x width x Depth (mm)

Pack	Cat.No		
		400 x 300 x 200	
1	361 01	30 modules (3 rows of 10) Supplied with 1 blanking plate	
		500 x 400 x 200	
1	361 02	48 modules (3 rows of 16) Supplied with 1 blanking plate	
		600 x 400 x 250	
1	361 03	48 modules (3 rows of 16) Supplied with 1 blanking plate	
		700 x 500 x 250	
1	361 05	84 modules (4 rows of 21) Supplied with 1 blanking plate	
		800 x 600 x 300	
1	361 06	108 modules (4 rows of 27) Supplied with 2 blanking plates Can take in 1st row a mounting plate Cat.No 360 44	
		1 000 x 800 x 300	
1	361 09	190 modules (5 rows of 38) Supplied with 2 blanking plates Can take in 1st row a mounting plate Cat.No 360 45	
		1 200 x 800 x 300	
1	361 10	228 modules (6 rows of 38) Supplied with 2 blanking plates Can take in 1st row a mounting plate Cat.No 360 45	

Internal doors RAL 7035

For direct mouting in Atlantic stainless steel and Marina cabinets, with Cat.No 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.No	For cabinets Height x Width(mm)	Dim. (mm) Height x Width	Usable dim. (mm) Height x Width
1	363 59	400 x 300	341 x 236	305 x 185
1	363 60	500 x 400	441 x 336	405 x 250
1	363 61	600 x 400	541 x 336	505 x 250
1	363 62	700 x 500	642 x 436	500 x 340
1	363 63	800 x 600	742 x 536	600 x 440
1	363 64	1000 x 800	942 x 736	800 x 640
1	363 65	1200 x 800	942 x 736	800 x 640
1	363 69	Accessory for mounting internal doors in Atlantic metal cabinets.		

Plain plates

Galvanized steel

Pack	Cat.No	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	360 49[1]	300	220	0.9		
1	360 69	300	300	1		
1	360 52	300	400	1.3	400	300
1	360 70	400	400	1.7		
1	360 56	400	600	3.3	600	400
1	360 55	500	400	2.7		
1	360 71	500	500	3.5		
1	360 57	600	600	6.2		
1	360 59	600	800	8.4	800	600
1	360 58	700	500	6		
1	360 60	800	800	11.4		
1	360 61	800	1000	14.4	1000	800
1	360 64	1200	800	18.5		
1	360 67[2]	1400	800	26.4		

Paint Touch-up

Pack	Cat.No	
1	365 97	Aerosol paint spray RAL703S

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Heat regulation
for cabinets and enclosures
Ventilators

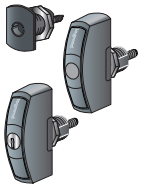
348 17

365 74

Pack	Cat.No	
		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	348 17	RAL 7035
		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
		40/160 m³/ h
1	348 50	40 m3 installed with filter 160 m³ with second louvre Cat.No 348 34 160 m³ for free blow out 20 m³ with inox protection kit Supplied with a pair of louvres 150 x 150 mm equipped Electrostatic filter washable G3, acc. EN 779
		120/160 m³/ h
1	348 51	120 m³ installed with filter 130 m³ with second louvre Cat.No 348 35 160 m³ for free blow out 100 m³ with inox protection kit Supplied with a pair of louvres 250 x 250 mm Media filter washable G3, acc. EN 779
		Air circulation kit 160 m³/ h
1	365 74	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
		Natural ventilation
		Ventilation glands for cabinets IP 44 - IK 08 for outdoor use Grey polyamide 6.6
2	365 78	Drilling Ø15 mm
2	365 79	Drilling Ø30.5 mm
		Metal louvres IP 32 - IK 10 Set of 2 metal louvres + 2 anti-insect grilles
1	348 04	RAL 7035 - 138 x 138 mm
		Panel heater Enclosure resistor panel heater
1	353 06	230V - 20W
1	353 07	230V - 50W
1	353 08	230V - 100W
1	348 47	Thermostat, 5-55°C

Locking accessories
Universal locking system

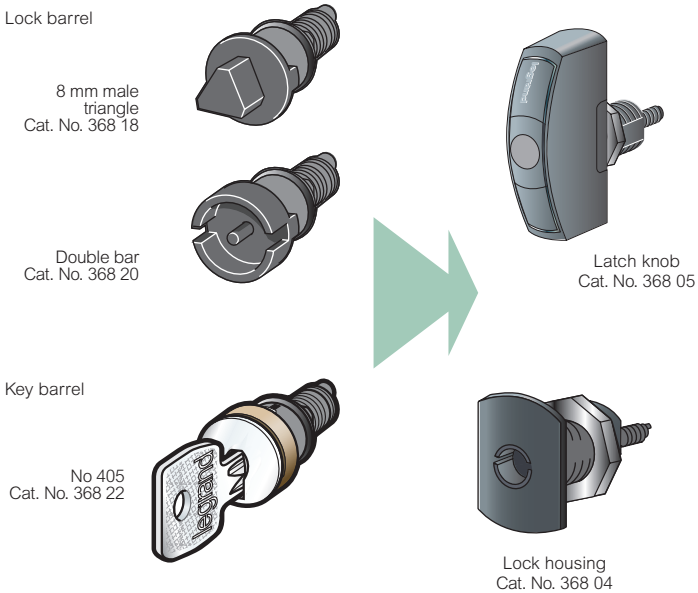
Pack	Cat. No.	**Lock housings for rebate or cylinder locks**
		Completely interchangeable across all Atlantic and Marina enclosures
10	368 04	Lock housing
10	368 05	Latch knob (with blanking plate)
10	368 06	Handle fitted with locking latch 2433 A



		Accessories for automatic locking system
		Special metal barrels
10	368 16	8mm male square
10	368 18	8 mm male triangle
10	368 20	Double bar
		Key barrels Supplied with set of 2 keys For key No
10	368 22	405
10	368 26	2433 A
10	365 45	Set of two 2433 A keys
		Keys for special barrels Metal
10	365 38	For 8 mm male square lock
10	365 40	For 8 mm male triangle lock
10	365 42	Double bar
		Locking latches
10	368 43	For Atlantic one door cabinets
10	368 44	For Atlantic 2 door cabinets
10	365 30	For Marina cabinets

		Other accessories
1	363 95	Earth braid 6mm² cross section
1	365 80	Self adhesive pocket 310 x 200 x 18mm
1	365 81	Self adhesive pocket 230 x 130 x 18mm
1	365 97	Aerosol paint RAL 7035
1	367 45	Set of 4 slides for depth adjustment (400mm depth cabinet)

Universal locking system ***(1)***
They can be assembled and fitted to all Atlantic and Marina enclosures.
For Altis single piece enclosures, the lock handle is fixed.



Dimensions of special 8mm male triangle lock

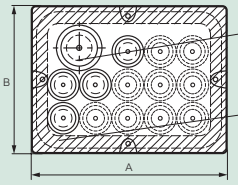
(1) The metal locks (special barrels and key barrels) and lock housings are all compatible with each other

Cabstop equipment
IP 55 - IK 10

Pack	Cat. No.	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 cabinets - on flat surface with kit Cat. No. 364 98 Supplied with: - locking caps for sealing a pierced entry providing IP 55 protection - cable release tool			
		Number of entries Ø5 to 14	**Number of entries Ø14 to 24**	**Number of spare entries**	**Direct mounting on cable entry of Atlantic cabinet width (mm)**
1	364 94	13	1	-	300
1	364 95	13	1	1	400
1	364 96	28	2	1	500 - 1 000
1	364 97	28	2	2	600 - 800 - 1 200
1	364 98	Kit for mounting Cabstop® plate on flat surface Enables mounting of 2 Cabstop® plates: Cat. No. 364 94 or 95 and 364 96 or 97 IP 55 maintained			

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

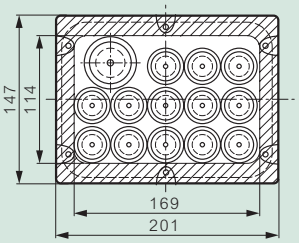


Cable entry
Ø14 to 24
equivalent CG PG 21/29
ISO 25 32

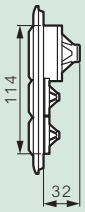
Cable entry
Ø5 to 14
equivalent CG PG 9/11/13/16
ISO 16/20

Dimensions

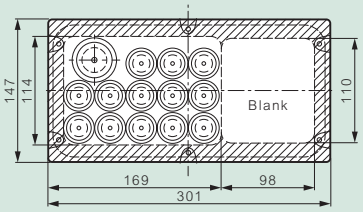
Cat.No 364 94



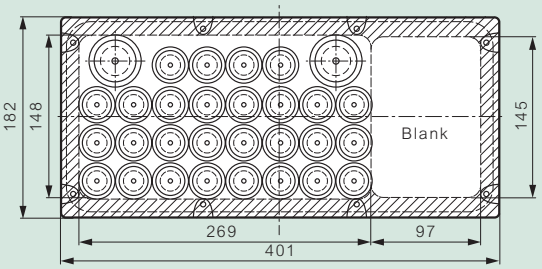
Side view
364 94/95



Cat.No 364 95

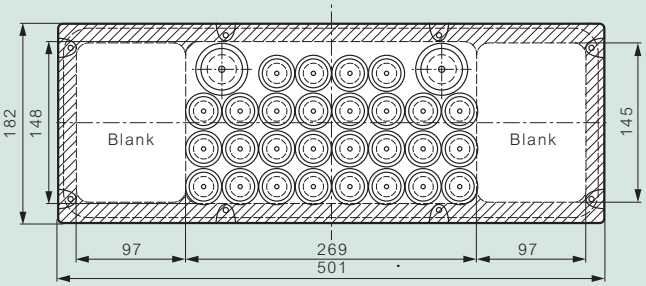


Cat.No 364 96



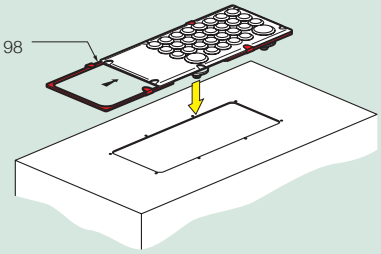
Side view
364 96/97

Cat. No. 364 97



Assembly kit on plane surface for Cabstop® plate

Cat. No 364 98



Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Plastic cable glands IP 68
ISO

980 05

Technical characteristics (see opposite)

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 mounted
Polyamide

Grey RAL 7001 cable glands

Conform to EN 50 262

Pack	Cat. No.	ISO	Clamping capacity Ø Min. (mm)	Clamping capacity Ø Max. (mm)
25	980 01	16	4	8
25	980 03	20	6	12
10	980 05	25	12	18
5	980 06	32	18	25
3	980 07	40	22	32
2	980 08	50	30	38
2	980 09	63	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

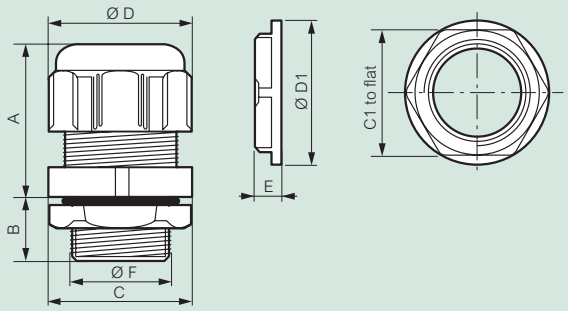
50	980 41	16
50	980 43	20
50	980 45	25
25	980 46	32
25	980 47	40

Plastic cable glands IP 68
ISO and polyamide

RAL 7001 cable glands

Characteristics
Halogen-free polyamide UL 94-V2
Operating temperature: - 20 ° C to + 80 ° C
Self-extinguishing 960° C according to IEC 60695-2-11

Dimensions (mm)



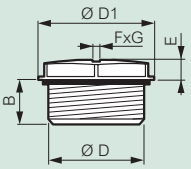
ISO

Cat. No.	Threading	A	B	Ø D	C (to flat)	Ø F	Drilling Ø	C1	E	Ø D1
980 01	ISO 16	26	10	21	19	15.9	16.2	22	5	24
980 03	ISO 20	29	12	26.5	24	19.8	20.4	26	6	28
980 05	ISO 25	35	15	36	33	24.8	25.4	32	6	35
980 06	ISO 32	40	15	46.5	42	31.6	32.5	42	7	43
980 07	ISO 40	49	17	58.5	53	39.9	40.5	50	7	56
980 08	ISO 50	54	17	66.5	60	50	50.8	60	8	66
980 09	ISO 63	54	18	75	68	62.9	64	75	8	82

RAL 7001 stopping plugs

Polyamide

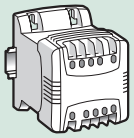
Dimensions (mm)



Cat. No.	Threading	Ø D	D1	F X G	B	E
980 41	ISO 16	15.8	20.5	8 x 2	12	3.9
980 43	ISO 20	19.8	25	8 x 2	12	3.8
980 45	ISO 25	24.8	30.5	8 x 2	12	4.4
980 46	ISO 32	31.8	38	8 x 2	12	4.9
980 47	ISO 40	39.8	46.5	8 x 2	12.5	4.9

Control and signalling tranformers, terminals, crimping tools and marking systems.

Transformers, power supplies

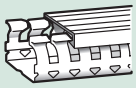


P. 150 Control and signalling transformers (AC)

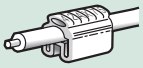
Connection

P. 158 Viking 3 terminal blocks selection chart

Cabling components, marking system



P. 176 Transcab™ and LINA slotted duct

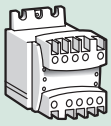


P. 182 Memocab marking system for wiring

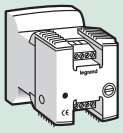
Viking 3 terminal blocks (P. 162)

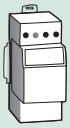
Starfix ferrules and crimping tools (P. 178)

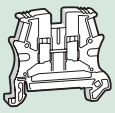
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

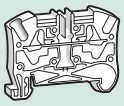

P. 150
Equipment transformers (AC)

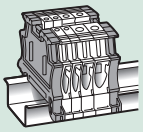
P. 152
Transformers sizing and protection


P. 155
Filtered rectified power supplies (DC)


P. 156
Bell transformer

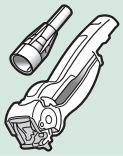

P. 162
Viking 3 terminal blocks with screw connection

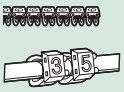

P. 164
Viking 3 terminal blocks with spring connection


P. 166
Viking 3 accessories

P. 168
Viking 3 technical characteristics

P. 172
Viking 3 power terminal blocks


P. 178
Starfix ferrules and crimping tools



P. 180
CAB 3 marking system for wiring and terminal blocks

P. 184
Duplix™ marking system for cables

Starfix assorted kit (P. 178)

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Control and signalling transformers
Single-phase - screw connection – AC

442 33

442 68

442 71

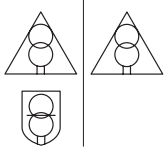
Technical characteristics (p. 152)

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
Direct fixing possibility on symmetrical rail ⎓ up to 250 VA
Supplied with connection strip 0 V secondary / earth up to 1000 VA

Control and safety

24-48 V
230-400 V ± 15 V (primary) / 24-48 V (secondary)
Supplied with 2 coupling strips

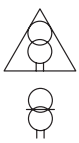
Pack	Cat. No.	Power in VA according to IEC and CSA	Power in VA according to UL	Instantaneous admissible power at cos φ = 0.5
1	442 31	40	40	52
1	442 32	63	63	87
1	442 33	100	100	150
1	442 34	160	140	250
1	442 35	250	210	420
1	442 36	400	300	700
1	442 37	630	500	1700
1	442 38	1000	700	2000
1	442 39	1600	700	8500
1	442 40	2500	1400	3300



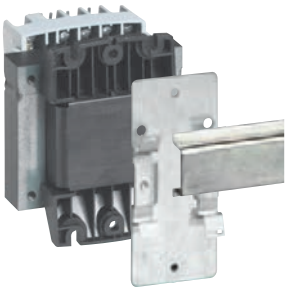
Control and circuit isolation

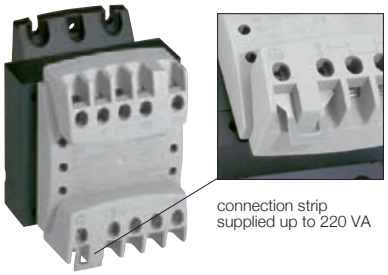
115-230 V
115-230 V (secondary)
Supplied with 2 coupling strips

Pack	Cat. No.	Primary 230-400 V ± 15 V	Power in VA according to IEC and CSA	Power in VA according to UL	Instantaneous admissible power at cos φ = 0.5
1	442 61	40	40	50	
1	442 62	63	63	86	
1	442 63	100	100	150	
1	442 64	160	140	250	
1	442 65	250	210	360	
1	442 66	400	300	1100	
1	442 67	630	500	1300	
1	442 68	1000	700	2000	
1	442 69	1600	700	6100	
1	442 70	2500	1300	7100	
1	442 71	4000	2400	11400	
1	442 72	5000	3300	17500	
1	442 73	6300	3700	10900	
1	442 74	8000	4500	12500	



Equipment transformers
Single-phase – AC


428 40 +
428 99



428 41
supplied with connection strip

IP 2X or XXB up to 220 VA - IK 04
Clip on fixing possibility up to 160 VA with accessories
Cat. No. 044 16 or 428 99
Transformers with 2 secondary voltage supplied with coupling strip and with isolated strip for 0 V connection secondary / earth connection
Conform to IEC EN 61558-2-6 for 12 V and 24 V
Products suitable for building equipment conforming to standards EN 61131-2, EN 60204-1 and EN 60439-1

Safety

12 - 24 V
230-400 V (primary) / 12 - 24 V (secondary)

Pack	Cat. No.	Power (VA)	Primary terminal flexible cable (mm²)	Secondary terminal flexible cable (mm²)
1	428 40	40	1 to 4	1 to 4
1	428 41	63	1 to 4	1 to 4
1	428 42	100	1 to 4	1 to 4
1	428 43	160	1 to 4	1 to 4
1	428 44	220	1 to 4	1 to 4

Accessories

Pack	Cat. No.	
		For clip on rail (90° mounting) of transformers up to 160 VA with 2 claws
5	428 99	Plate
10	044 16	Claw width 10 mm Threaded hole For M4 screw

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Control and signalling transformers
Single-phase

■ Dimensions

Fig. 1: 40 to 400 VA

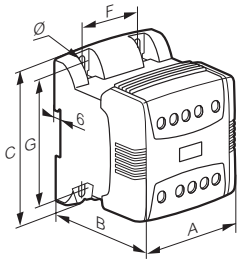


Fig. 2: 630 to 1000 VA

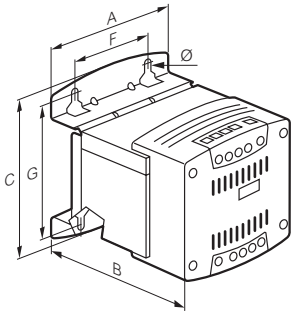


Fig. 3: 1600 to 2500 VA

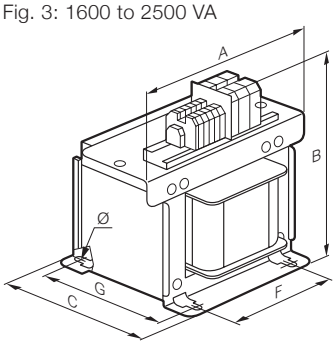
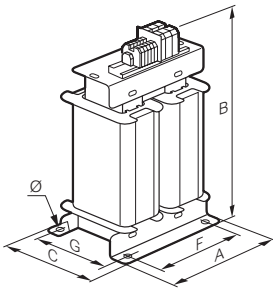
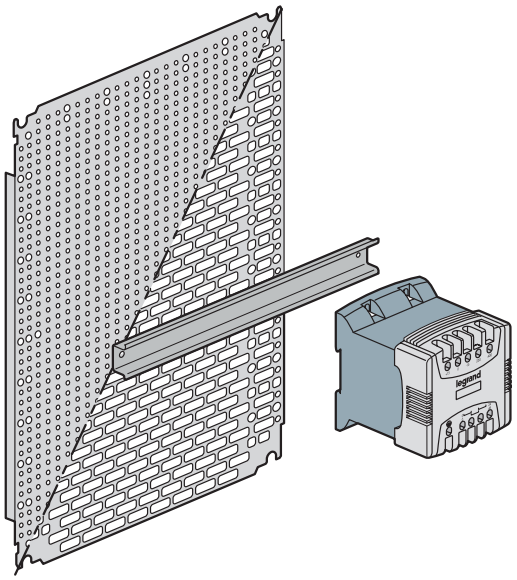


Fig. 4: 4000 to 8000 VA

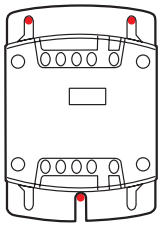


■ Fixing

On perforated plates Lina 25 and on Lina 12.5 plates
On symmetrical rail 4 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



Cat. No.	Power (VA)	Fig.	Dimensions (mm)			Fixing (1)			Weight (Kg)
			A	B	C	F	G		
442 31/61	40	1	94	78	113	50	100	5.2	1.23
442 32/62	63	1	94	85	113	50	100	5.2	1.56
442 33/63	100	1	94	94	113	50	100	5.2	1.95
442 34/64	160	1	94	112	113	50	100	5.2	2.6
442 35/65	250	1	106	123	115	50	100	5.2	3.82
442 36/66	400	1	120	140	140	62.5	125	5.2	5.62
442 37/67	630	2	132	155	175	75	150	5.5	8
442 38/68	1000	2	150	199	206	100	175	7	14.9
442 39/69	1600	3	220	245	191	150	153	9	25.6
442 40/70	2500	3	300	292	171	200	114	9	33.1
442 71	4000	4	230	340	205	180	130	11	31
442 72	5000	4	240	390	205	180	130	11	40
442 73	6300	4	240	390	205	180	130	11	45
442 74	8000	4	240	390	280	180	140	11	64

(1) Direct fixing possibility on symmetrical rail ⎵ up to 250 VA

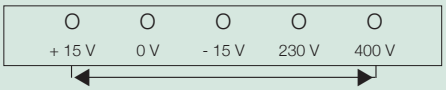
Control and signalling transformers

Single-phase

■ Characteristics

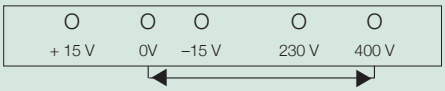
Single - phase 50-60 Hz - class I
Insulation voltage between windings: 4 510 V
Max. ambient operating temperature without derating: 50 ° C

Use of adjustment taps



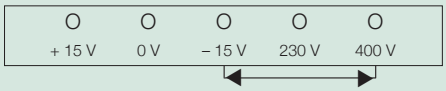
Connected to mains supply (U1) between terminals + 15 V and 230 or 400 V

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. No.	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 (mm^2)		Secondary cable (mm^2)	
																				flexible	rigid	flexible	rigid
Primary 230-400 V ∿ 15 V - Secondary 24-48 V																							
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
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
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
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
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
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
442 37	630	2200	1700	1400	1000	960	910	820	760	720	255	58	2.3	4	4.7	7.0	82	89	3.8	1 to 4	1 to 4	1 to 10	1 to 10
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
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
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
Primary 230-400 V ∿ 15 V - Secondary 230 V and Primary 230-400 V + 15 V - Secondary 115-230 V																							
442 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
442 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
442 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
442 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
442 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
442 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
442 67	630	2300	1800	1500	1300	1100	1000	910	840	810	25.5	75.7	2.1	3.5	4.8	71	83	89	3.4	1 to 4	1 to 4	1 to 10	1 to 10
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
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
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
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
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
442 73	6300	17200	14500	12500	10900	10000	9200	8600	8100	8300	120	530	2.8	4.1	4.8	78	88	92	3.9	4 to 16	1.5 to 25	4 to 16	1.5 to 25
442 74	8000	19800	18600	14400	12500	11500	10600	9800	9300	9600	195	350	1.7	2.7	3.7	87	93.0	96.0	2.9	4 to 16	1.5 to 25	4 to 16	1.5 to 25

(1) Total losses at nominal voltage

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Equipment
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 and 24 V

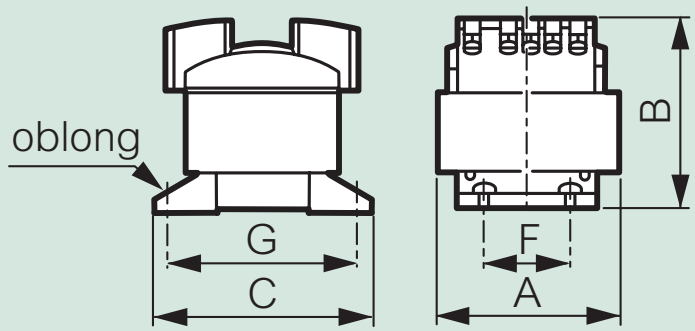


Fig. 1

Cat. No.	Power (VA)	AIO (VA) cos 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 cable (mm²)		lug ∅	Connection SEC cable (mm²)		lug
				A	B	C	F	G	∅				cos ∅ 1	cos ∅ 0.45	cos ∅ 1	cos ∅ 0.45		flexible	rigid	(mm)	flexible	rigid	(mm)
Single-phase safety transformers: Primary 230-400 V - Sec 12-24 V																							
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
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
428 42	100	140	1	84	86	98	40	86	4.5	1.6	6.2	21.0	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
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
428 44	220	290	1	96	115	110	40	98	4.5	3.4	12.6	40.0	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

Protection of transformers and their lines

■ 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 device that 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		
	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
40 VA	0.5 A 130 95	1 A 064 60		1 A 067 52	0.25 A 130 92	1 A 064 60	
63 VA	1 A 130 01	2 A 064 61		1 A 067 52	0.5 A 130 95	1 A 064 60	
100 VA	1 A 130 01	3 A 064 62	1 A 066 25	1 A 067 52	1 A 130 01	2 A 064 61	1 A 066 25
160 VA	2 A 130 02	6 A 064 64	2 A 066 26	1 A 067 52	1 A 130 01	2 A 064 61	1 A 066 25
220 VA	2 A 130 02	6 A 064 64	2 A 066 26	2 A 067 53	1 A 130 01	3 A 064 62	2 A 066 26
250 VA	2 A 130 02	6 A 064 64	3 A 066 27	2 A 067 53	2 A 130 02	3 A 064 62	2 A 066 26
310 VA	4 A 130 04	10 A 064 66	3 A 066 27	2 A 067 53	2 A 130 02	6 A 064 64	2 A 066 26
400 VA	4 A 130 04	10 A 064 66	6 A 066 29	2 A 067 53	2 A 130 02	6 A 064 64	2 A 066 26
450 VA	4 A 130 04	10 A 064 66	6 A 066 29	3 A 067 54	2 A 130 02	6 A 064 64	3 A 066 27
630 VA	6 A 130 06	16 A 064 68	6 A 066 29	3 A 067 54	4 A 130 04	10 A 064 66	6 A 066 29
800 VA	6 A 130 06	16 A 064 68	10 A 066 31	6 A 067 56	4 A 130 04	10 A 064 66	6 A 066 29
1000 VA	10 A 130 10	20 A 064 69	10 A 066 31	6 A 067 56	4 A 130 04	16 A 064 68	6 A 066 29
1250 VA	10 A 130 10	25 A 064 70	16 A 066 33	6 A 067 56	6 A 130 06	16 A 064 68	10 A 066 31
1600 VA	10 A 130 10	32 A 064 71	16 A 066 33	10 A 067 58	6 A 130 06	20 A 064 69	10 A 066 31
2000 VA	12 A 130 12	40 A 064 72	20 A 066 34	10 A 067 58	8 A 130 08	25 A 064 70	16 A 066 33
2500 VA	16 A 130 16	50 A 064 73	25 A 066 35	16 A 067 60	10 A 130 10	32 A 064 71	16 A 066 33

■ 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)	4	T4 AL(1)	2	T2 AL(1)	2	T2 AL(1)	1	T1 AL(1)	1	T1 AL(1)	0.4	T0.4 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)	5	T5 AL(1)	2.5	T2.5 AL(1)	2.5	T2.5 AL(1)	1.25	T1.25 AL(1)	1.25	T1.25 AL(1)	0.5	T0.5 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	063 93	4	T4 AE(1)	4	063 91	2	T2 AL(1)	2	063 89	0.8	T0.8 AL(1)	1	063 88	0.4	T0.4 AL(1)	0.5	063 86
160 VA	16	133 16	13	063 95	8	133 08	6	063 92	3.15	T3.15 AE(1)	4	063 91	1.6	T1.6 AL(1)	2	063 89	0.63	T0.63 AL(1)	1	063 88
220 VA	20	133 20	20	063 97	10	133 10	10	063 94	5	T5 AE(1)	6	063 92	2	T2 AL(1)	2	063 89	1	T1 AL(1)	1	063 88
250 VA	20	133 20	20	063 97	10	133 10	10	063 94	6	133 06	6	063 92	2	T2 AL(1)	2	063 89	1	T1 AL(1)	1	063 88
310 VA	25	133 25	25	063 98	12	133 12	13	063 95	6	133 06	6	063 92	2.5	T2.5 AE(1)	3	063 90	1.25	T1.25 AL(1)	2	063 89
400 VA	32	143 32	32	063 99	16	133 16	16	063 96	8	133 08	8	063 93	4	133 04	4	063 91	2	133 02	2	063 89
450 VA	40	143 40	40	064 00	20	133 20	20	063 97	10	133 10	10	063 94	4	133 04	4	064 91	2	133 02	2	063 89
630 VA	50	143 50	50	063 81	25	133 25	25	063 98	12	133 12	13	063 95	6	133 06	6	063 92	4	133 04	3	063 90
800 VA	63	153 63	63	063 82	32	143 32	32	063 99	16	133 16	16	063 96	8	133 08	8	063 93	4	133 04	4	063 91
1000 VA	80	153 80	80	063 83	40	143 40	40	064 00	20	133 20	20	063 97	8	133 08	8	063 93	4	133 04	4	063 91
1250 VA	100	153 96	100	064 76	50	143 50	50	063 81	25	133 25	25	063 98	10	133 10	10	064 94	6	133 06	6	063 92
1600 VA	125	153 97	125	064 77	63	153 63	63	063 82	32	143 32	32	063 99	16	133 16	13	064 95	8	133 08	8	063 93
2000 VA			160		80	153 80	80	063 83	40	143 40	40	064 00	16	133 16	16	063 96	8	133 08	8	063 93
2500 VA			200		100	153 96	100	064 76	50	143 50	50	063 81	20	133 20	20	063 97	10	133 10	10	063 94

(1) Fuses IEC 127 (cartridge 5 x 20 T type)

■ 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)

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Filtered rectified power supplies
Single phase – DC

470 02

470 23

470 24

Provide voltage for P.L.C and associated output devices that require 12V or 24V DC.
Units consist of:
. Safety isolating transformers with electrostatic screen
. Double terminals on each polarity
. Fitted with filter capacitors
. Secondary protected by fuse
. Green indicator for presence of operating voltage.

Supplied with isolated coupling bar for fast connection between the - and the earth terminal up to 15A.
Approval No. C96864N.
Conforms to the following standards: IEC and EN 61558-2-6, UL 60950 and CAN/CSA-C22.2 no 60 950.00. Product is created to adapt to equipment which conform to the following standards: EN 61131-2, EN 60204 and EN 60439-1

Single phase

12 V⎓

230-400 V ± 15 V∿ (primary) / 12 V⎓ (secondary)

Pack	Cat. No.	Output (W)	Current (A)	Terminal capacity flexible cable Entry	Exit
1	470 01	12	1	6	6
1	470 02	30	2.5	6	6
1	470 03	60	5	6	6
1	470 04	120	10	6	6
1	470 06	300	25	6	10

24 V⎓

230-400 V ± 15 V∿ (primary) / 24 V⎓ (secondary)

Pack	Cat. No.	Output (W)	Current (A)	Terminal capacity flexible cable Entry	Exit
1	470 20	12	0.5	6	6
1	470 21	24	1	6	6
1	470 22	60	2.5	6	6
1	470 23	120	5	6	6
1	470 24	240	10	6	6
1	470 25	360	15	6	6
1	470 26	600	25	6	10
1	470 28	960	40	6	16
1	470 29	1 200	50	16	16

Single phase power supplies
DC

4 131 05

Dimensions (p. 157)

For supplying PLCs and their peripherals or any use requiring a voltage of 12 V or 24 V⎓
Fixing on DIN rail ⎵

Filtered rectified power supplies

Conform to standards IEC EN 61558-2-6
For equipment conforming to standards EN 61131-2, EN 60204 and EN 60439-1
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⎓

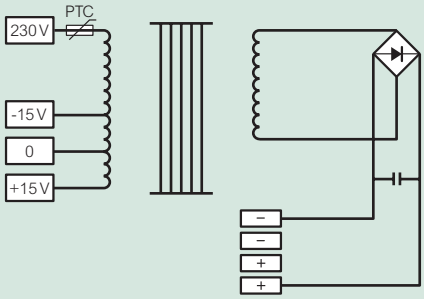
Pack	Cat. No.	Power (W)	Current (A)	Number of modules
1	4 131 05	15	1.3	5

24 V⎓

Pack	Cat. No.	Power (W)	Current (A)	Number of modules
1	4 131 07	12	0.5	5
1	4 131 08	21.5	0.9	5

Single phase power supplies

■ Filtered rectified power supplies



Cat. No.	Voltage (V)	Current (A)	Weight (Kg)	I Prim. on load (A) at 230 V
047 95	12	1.3	0.95	0.15
047 97	24	0.5	0.95	0.13
047 98	24	0.9	0.95	0.17

Cat. No.	Voltage of use				No load losses (W)	Total losses at 100% load (W)	Voltage drop cos φ = 1
	No load (V)	On load (V)	with 100 kA load and prim. voltage + 10%	with nominal load and prim. voltage -15%			
047 95	15.1	11.8	16.3	10.4	3.4	8.7	28.5
047 97	28.9	23.6	30.6	20.7	3.4	7.1	22.3
047 98	29.9	22.8	32.0	20.3	3.4	10.4	31.0

■ 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 supply to cool down before switching on again

Bell transformers

4130 91

Pack	Cat. No.	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 042 25)			
		230 V/12 V - 8 V			
		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

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Filtered rectified power supplies
Single phase

Measurements and electrical characteristics

Fig. 1

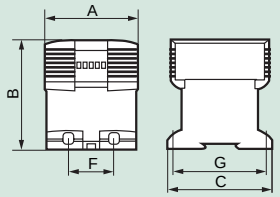


Fig. 2

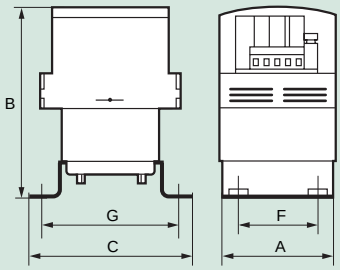


Fig. 3

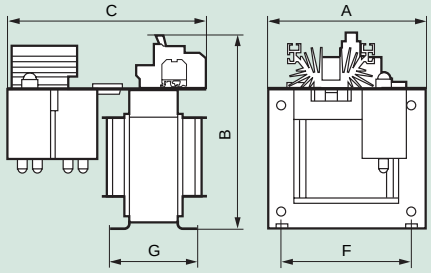
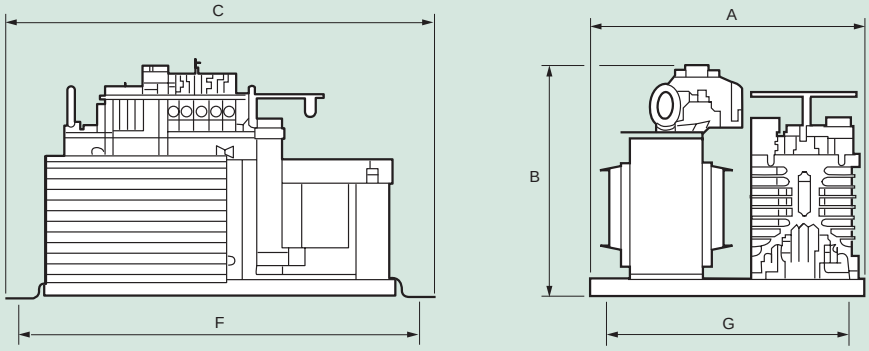


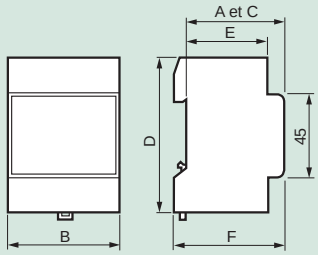
Fig. 4



Single phase power supplies primary 230/400 V ± 15 V tapping

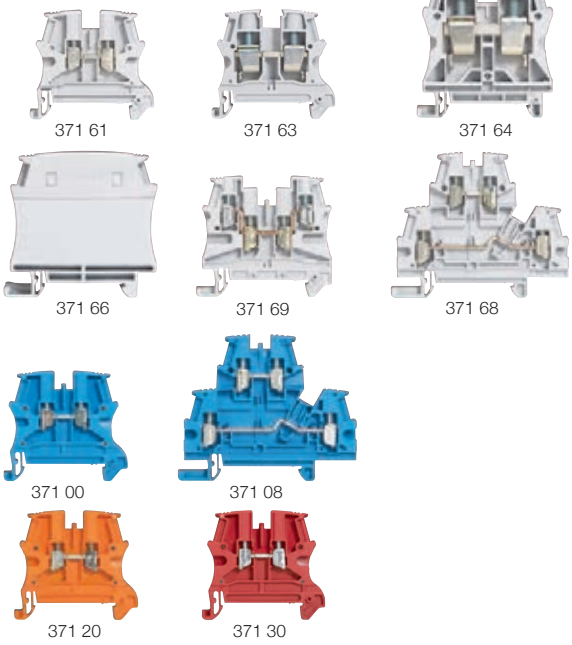
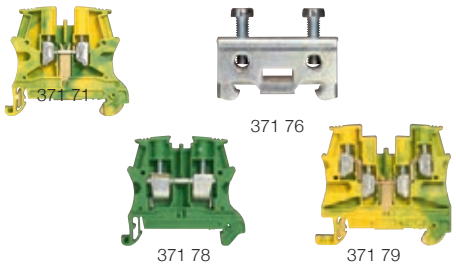
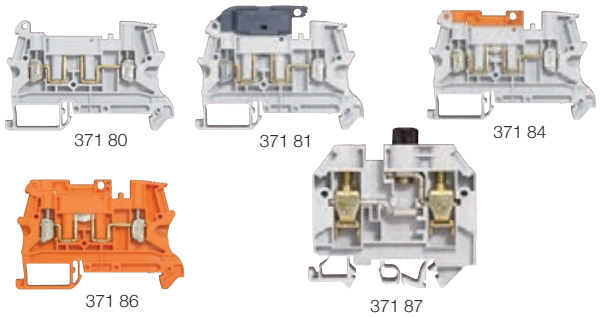
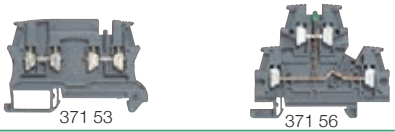
Cat. No.	Voltage (V)	Amps (A)	Fig	Dimensions (mm) Weight			Fixing (mm)			Weight	Primary onload current (A)		Operating voltage				No load losses (W)	Total loss at 100% load (W)	Voltage drop (%)
				A	B	C	F	G	Diameter	(Kg)	at 230V	at 400V	No load (V)	Onload (V)	Onload 100mA and primary +10%	Nominal on-load 100mA and primary -15%			
Secondary 12 V																			
470 01	12	1	1	68	98	88	-	-	-	1	0.12	0.06	14.4	11.7	15.5	10.3	4.4	7.3	23.5
470 02	12	2.5	1	93	121	105	45	94	4.6	2.45	0.33	0.19	13.9	11.6	15.2	10.2	8.3	11.9	19.4
470 03	12	5	1	105	135	115	45	104	4.6	3.6	0.60	0.34	14.1	12.1	15.5	10.5	11.4	17.1	17.2
470 04	12	10	2	126	186	175	75	150	5.5	6.35	1.24	0.72	14.7	11.8	16.1	10.4	20.2	33.7	24.7
470 06	12	25	3	180	220	270	122	100	7	11	2.13	1.22	14.7	11.71	16.1	10.3	24.2	47	25
Secondary 24 V																			
470 20	24	0.5	1	68	98	88				1	0.12	0.06	27.6	22.9	29.4	20.1	4.4	7.3	20.66
470 21	24	1	1	68	98	88				1	0.18	0.10	29.0	22.8	31.2	20.2	4.4	10.3	27.03
470 22	24	2.5	1	93	121	105	45	94	4.6	2.45	0.47	0.27	27.8	23.3	30.4	20.4	8.3	16.3	19.46
470 23	24	5	1	105	135	115	45	104	4.6	3.6	0.88	0.51	27.5	23.2	30.2	20.3	11.4	25.4	18.68
470 24	24	10	2	126	186	175	75	150	5.5	6.35	1.88	1.09	27.7	23.5	30.5	20.5	20	45.3	18.20
470 25	24	15	2	126	206	175	75	150	5.5	7.6	2.53	1.46	27.5	23.2	30.2	20.2	23	54.7	18.70
470 26	24	25	3	180	270	290	150	125	9	18.1	4.70	2.70	27.9	23.7	30.5	20.9	33.2	65.2	17
470 28	24	40	4	310	265	478	445	200	7	50	6.20	3.60	28.4	23.2	31.2	20.4	230	340	22.41
470 29	24	50	4	335	315	575	542	200	7	60	7.20	4.10	25.4	23.5	27.9	20.2	194	340	8.09

Single phase Lexic power supplies primary 230 V± 15 V tapping



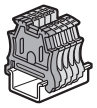
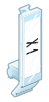
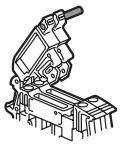
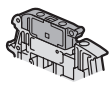
Cat. No.	Voltage (V)	Amps (A)	Dimensions (mm) Weight						Weight (Kg)	Primary on-load current (A) at 230V	Operating voltage				No load losses (W)	Total losses at 100% load (W)	Variation (%)	Voltage drop (%)
			A	B	C	D	E	F			No load (V)	On load (V)	Onload 100mA and primary +10%	Nominal onload and primary -15%				
4 131 05	12	1.3	60	89	60	95	44	66	1	0.15	15.1	11.8	16.3	10.4	3.4	8.7	< 5	28.5
4 131 07	24	0.5	60	89	60	95	44	66	1	0.13	28.9	23.6	30.6	20.7	3.4	7.1	< 5	22.3
4 131 08	24	0.9	60	89	60	95	44	66	1	0.17	29.9	22.8	32.0	20.3	3.4	10.4	< 5	31.0

Viking™ 3 terminal blocks with screw connection and accessories
For copper cable

				ELECTRICAL FUNCTION
 371 61, 371 63, 371 64, 371 66, 371 69, 371 68, 371 00, 371 08, 371 20, 371 30	**Connecting** (p. 162)	1 connection - 1 entry/1 outlet		
		1 connection - 2 entries/2 outlets		
		2 connections on 2 levels		
		3 connections on 3 levels		
 371 71, 371 76, 371 78, 371 79	**For protection conductor** (p. 162)	1 connection - 1 entry/1 outlet - metal base		
		1 connection - 1 entry/1 outlet - plastic base (1)		
		1 connection - 2 entries/2 outlets - metal base		
 371 80, 371 81, 371 84, 371 86, 371 87	**Disconnect** (p. 163)	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	
			For fuse cartridge 6.3 x 32 with screwed plug	
 371 53, 371 56	**Function blocks** (p. 163)	1 connection	Modular	
			Diode carrier 1N4007	
		2 connections on 2 levels	Diode carrier 1N4007	
			With voltage presence LED	
371 51, 371 52, 371 92	**For sensor and actuator** (p. 163)	3 connections on 3 levels	Sensor	
			Actuator	
	PNE (p. 163)		Phase/Neutral/Earth	
	Measurement (p. 163)	1 connection	Disconnect for measuring circuit	

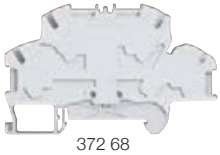
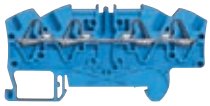
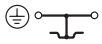
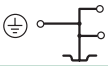
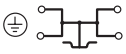
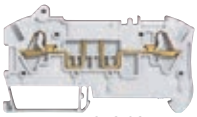
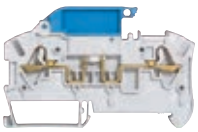
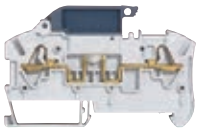
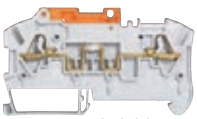
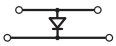
(1) Can be used for protection conductor inside class II equivalent assemblies
(2) Blown fuse indicator 12/24/48 V⎓/∿ Cat.No 375 24 or 110/250 V⎓/∿ Cat.No 375 25
(3) Or end stop Cat.No 375 10
(4) Upper level
(5) Lower level only
(6) Lower and intermediate levels

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

TERMINAL BLOCKS				INSULATION		EQUIPOTENTIAL LINK					PROTECTION		MEASURE-MENT	ASSOCIATED PRODUCTS
Nominal cross-section (mm^2)	Pitch (mm)	Colour	Cat. No.	End cap	Separation and insulation divider	Comb for 2 blocks, auto. front	Comb for 3 blocks, auto. front	Comb for 10 blocks, auto. front	Comb for 12 blocks, side	Bar for 12 blocks, front	Single pole screen	Cut to length screen	Test socket	
2.5	5		371 60	375 50 (3)	375 60	375 02		375 01			375 65	375 68	375 27	 End stops (p. 166)
			371 00											
			371 20											
			371 30											
4	6		371 61	375 50 (3)	375 60	375 05		375 04			375 65	375 68	375 27	
			371 01											
			371 21											
			371 31											
			371 77											
6	8		371 62	375 50 (3)	375 60	375 08	375 07				375 66	375 68	375 27	 Label holder for end stop (p. 166)
			371 02											
			371 78											
10	10		371 63	375 50 (3)	375 60					375 40	375 66	375 68	375 75	
			371 03											
16	12		371 64	375 51	375 61					375 42	375 67	375 69	375 76	
			371 04											
35	15		371 65	375 51	375 61					375 44	375 67	375 69	375 76	
			371 05											
70	22		371 66	built-in										
4	6		371 69	375 52	375 62	375 05		375 04					375 27	Handle lever mini lever (p. 167)
			371 09											
2.5	5		371 67	375 53	375 63	375 02		375 01					375 27 (4)	
			371 07											
4	6		371 68	375 53	375 63	375 05		375 04					375 27 (4)	
			371 08											
2.5	5		371 51	375 54	375 54	375 02 (4)		375 01 (4)	375 46 (6) 375 47 (6)				375 27 (4)	
2.5	5		371 70	375 50 (3)										 Joining rods for disconnect blocks (p. 167)
4	6		371 71											
6	8		371 72											
10	10		371 73											
16	12		371 74	375 51										
35	15		371 75											
35	15		371 76											
4	6		371 77	375 50 (3)	375 60	375 05		375 04			375 65	375 68		
6	8		371 78	375 50 (3)	375 60	375 08	375 07				375 66	375 68		
4	6		371 79	375 52										
2.5	6		371 80	375 55	375 62	375 05		375 04					375 27	 Blown fuse indicators (p. 167)
			371 81	375 55	375 62	375 05		375 04						
			371 81 + 375 24/25 (2)											
			371 82											
			371 83											
			371 84	375 55	375 62	375 05		375 04					375 27	
			371 85	375 55	375 62	375 05		375 04						
			371 86	375 55	375 62	375 05		375 04					375 27	
10	12		371 87	375 56										Shielding (p. 167)
			371 88											
2.5	5		371 53	375 55		375 02		375 01					375 27	
			371 54											
4	6		371 55	375 53	375 63	375 05		375 04					375 27 (4)	
			371 56	375 53	375 63	375 05 (5)		375 04 (5)						
2.5	5		371 51	375 54	375 54	375 02 (4)		375 01 (4)	375 46 (6) 375 47 (6)				375 27 (4)	
			371 52											CAB 3 (p. 180)
4	8		371 92	375 57									375 77	

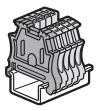
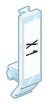
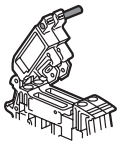
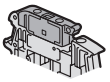
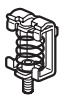
Viking™ 3 terminal blocks with spring connection and accessories
For copper cable

Approvals (p. XX)

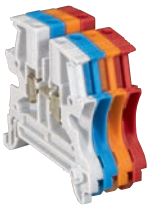
				ELECTRICAL FUNCTION
372 60 372 61 372 64 372 40 372 69  372 68 372 02  372 47 372 21 372 42	**Connecting** (p. 164)	**1 connection - 2 wires - 1 entry/1 outlet**		
		1 connection - 3 wires - 1 entry/2 outlets		
		1 connection - 4 wires - 2 entries/2 outlets		
		2 connections - 4 wires - 2 levels		
372 70 372 71 372 72 372 12	**For protection conductor** (p. 164)	**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		
 372 80  372 82  372 83  372 84	**Disconnect** (p. 165)	**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**	
			With mini lever	
			For circuit not broken — **With handle lever**	
			With mini lever	
372 54	**Function blocks** (p. 165)	**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 375 24 or 110/250V∿ Cat.No 375 25, (2) Lower level only, (3) Upper level only

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

TERMINAL BLOCKS				INSULATION		EQUIPOTENTIAL LINK			MEASUREMENT	ASSOCIATED PRODUCTS
Nominal cross-section (mm^2)	Pitch (mm)	Colour	Cat. No.	End cap	Separation and insulation divider	Comb for 2 blocks	Comb for 3 blocks	Comb for 10 blocks	Test socket	
4	5	○	372 60	375 86	375 95	375 02		375 01	375 27	 End stops (p. 166)
		●	372 00							
		●	372 20							
4	6	○	372 61	built-in	375 95	375 05		375 04	375 27	
		●	372 01							
		●	372 21							
6	8	○	372 62	built-in		375 08	375 07		375 27	 Label holder for end stop (p. 166)
		●	372 02							
10	10	○	372 63	built-in		375 82				
		●	372 03							
16	12	○	372 64	built-in		375 85				
		●	372 04							
4	5	○	372 40	375 87	375 95	375 02		375 01	375 27	
		●	372 41							
		●	372 42							
4	6	○	372 43	built-in	375 95	375 05		375 04	375 27	Handle lever mini lever (p. 167)
		●	372 44							
4	5	○	372 46	375 88	375 95	375 02		375 01	375 27	
		●	372 47							
4	6	○	372 69	built-in		375 05		375 04	375 27	
		●	372 09							
4	5	○	372 67	375 89	375 96	375 02		375 01	375 27 [3]	 Joining rods for disconnect blocks (p. 167)
		●	372 07							
4	6	○	372 68	built-in	375 96	375 05		375 04	375 27 [3]	
		●	372 08							
4	5		372 70	375 86						
4	6		372 71	built-in						
6	8		372 72							
10	10		372 73							
16	12	◐	372 74							
4	5		372 10	375 87						 Blown fuse indicators (p. 167)
4	6		372 11	built-in						
4	5		372 12	375 88						
4	6		372 79	built-in						
2.5	6	○	372 80	375 90		375 05		375 04	375 27	
		○	372 81	375 90		375 05		375 04		 Shielding (p. 167)
		○	372 81+ 375 24/25 [1]							
		◐	372 82							
		○	372 83							
		○	372 84	375 90		375 05		375 04	375 27	
		●	372 85	375 90		375 05		375 04		
		●	372 86	375 90		375 05		375 04	375 27	
4	5	●	372 54	375 88	375 95	375 02		375 01		CAB 3 (p. 180)
			372 55	375 89	375 96	375 02		375 01		
			372 56	375 89	375 96	375 02 [2]		375 01 [2]		

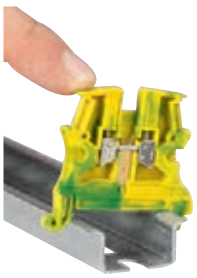
Viking™ 3 terminal blocks with screw connection



371 60 +371 00 + 371 20 + 371 30

371 69

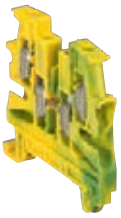
371 68



371 70 on rail ⎵

371 74

371 76



371 79

371 60 + 371 61 + 371 62 + 371 63 + 371 64 + 371 65 + 371 66

Technical characteristics (p. 168)
Approvals (p. 168)

Used to make the electrical connection between 2 rigid or flexible copper wires. 2 areas for bridging combs for alternating equipotential connection up to 8 pitch. 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)

1 connection - 1 entry/1 outlet

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity Rigid wire (mm²)	Capacity Flexible wire (mm²)	Pitch (mm)
60	371 60	Grey	2.5	0.25 to 4	0.25 to 2.5	5
60	371 00	Blue				
60	371 20	Orange				
60	371 30	Red				
50	371 61	Grey	4	0.25 to 6	0.25 to 4	6
50	371 01	Blue				
50	371 21	Orange				
50	371 31	Red				
40	371 62	Grey	6	0.5 to 10	0.25 to 6	8
40	371 02	Blue				
30	371 63	Grey	10	1.5 to 16	2.5 to 10	10
30	371 03	Blue				
20	371 64	Grey	16	1.5 to 25	4 to 16	12
20	371 04	Blue				
20	371 65	Grey	35	2.5 to 50	4 to 35	15
20	371 05	Blue				
10	371 66 (1)	Grey	70	25 to 95	16 to 70	22

1 connection - 2 entries/2 outlets

25	371 69	Grey	4	0.25 to 6	0.25 to 4	6
25	371 09	Blue				

2 connections on 2 levels

60	371 67	Grey	2.5	0.25 to 4	0.25 to 2.5	5
60	371 07	Blue				
60	371 68	Grey	4	0.25 to 6	0.25 to 4	6
60	371 08	Blue				

3 connections on 3 levels

50	371 51 (2)	Grey	2.5	0.25 to 4	0.25 to 2.5	5

For protection conductor

1 connection - 1 entry/1 outlet - metal base

Screwless fixing on rail up to 10 mm pitch
PEN from 10 mm²

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity Rigid wire (mm²)	Capacity Flexible wire (mm²)	Pitch (mm)
60	371 70	Green/yellow	2.5	0.25 to 4	0.25 to 2.5	5
50	371 71	Green/yellow	4	0.25 to 6	0.25 to 4	6
40	371 72	Green/yellow	6	0.5 to 10	0.25 to 6	8
30	371 73	Green/yellow	10	1.5 to 16	2.5 to 10	10
10	371 74	Green/yellow	16	1.5 to 25	4 to 16	12
10	371 75	Green/yellow	35	2.5 to 50	4 to 35	15

1 connection - bare block - metal base

10	371 76	-	35	2.5 to 50	4 to 35	15

1 connection - 2 entries/2 outlets - metal base

Screwless fixing on rail

50	371 79	Green/yellow	4	0.25 to 6	0.25 to 4	6

1 connection - 1 entry/1 outlet - plastic base

Can be used for protection conductor inside class II equivalent assemblies

50	371 77	Green	4	0.25 to 6	0.25 to 4	6
40	371 78	Green	6	0.5 to 10	0.25 to 6	8

PNE - Phase/Neutral/Earth

3 connections on 3 levels - metal base

Green/yellow marking for the lower level
Screwless fixing on rail

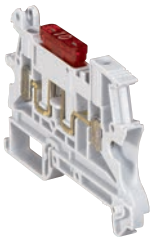
Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity Rigid wire (mm²)	Capacity Flexible wire (mm²)	Pitch (mm)
50	371 52	Grey	2.5	0.25 to 4	0.25 to 2.5	5

(1) Built-in end cap
(2) Rigid wire capacity: 2.5 mm² max. with equipotential bridging comb

CAB3 marking system (p. 180)

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Viking™ 3 terminal blocks with screw connection (continued)

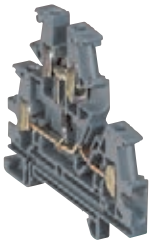

371 80 + automotive-type fuse

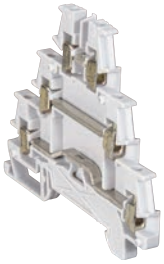
371 82 + 371 83 + 371 85

371 84 + 371 86

371 87

371 53


371 55


371 51

371 52

371 92

Technical characteristics (p. 169)
Approvals (p. 169)

Used to make the electrical connection between 2 rigid or flexible copper wires
2 areas for bridging combs for alternating equipotential connection up to 8 pitch
For rails ⊔ depth 15 mm, ⊔ EN 60715 depth 7.5 mm and 15 mm

Disconnect terminal blocks 1 connection

Disconnection by means of blade type lever, handle lever or mini lever (with tool)

Open (to be equipped)

Can take a blade-type automotive fuse or a miniature circuit-breaker, or blade type levers
Cat. No. 375 15/16/17/18

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Pitch (mm)
20	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	371 81	Grey	2.5	0.25 to 2.5	0.25 to 2.5	6
		For neutral circuit with blue handle lever				
20	371 82	Grey/blue	2.5	0.25 to 2.5	0.25 to 2.5	6
		For standard circuit with handle lever				
20	371 83	Grey	2.5	0.25 to 2.5	0.25 to 2.5	6
		For standard circuit with mini lever				
20	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	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	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	371 87	Grey	10	0.25 to 16	0.25 to 10	12
		For cartridge 6.3 x 32 with screwed plug				
20	371 88	Grey	10	0.25 to 16	0.25 to 10	12

Blade type levers, joining rods and blown fuse indicators (p. 167)

New Starfix crimping tools (p. 178)

Function blocks

1 connection - modular

Component connected with screws

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Pitch (mm)
20	371 53	Grey	2.5	0.25 to 4	0.25 to 2.5	5
		1 connection - diode carrier				
20	371 54	Grey	2.5	0.25 to 4	0.25 to 2.5	5
		2 connections on 2 levels - diode carrier				
60	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	371 56	Grey	4	0.25 to 6	0.25 to 4	6

For sensors and actuators

For connecting sensors (Cat. No. 371 51) or actuators (Cat.No. 371 52), and their shared power supply unit using equipotential bridging comb Cat. No. 375 46/47 (wiring principle p. 169)

3 connections on 3 levels - for sensor

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Pitch (mm)
50	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	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. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Pitch (mm)
25	371 92	Grey	4	0.25 to 4	0.25 to 4	8

Accessories (p. 166 - 167)

(1) Rigid wire capacity: 2.5 mm² max with equipotential brigding comb

Accessories (p. 166)

Viking™ 3 terminal blocks with spring connection

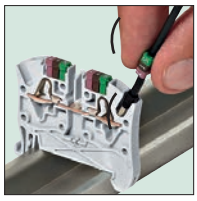
372 60 + 372 00 + 372 20

372 01

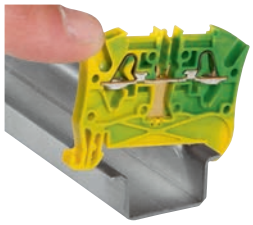
372 21

372 63

372 40



Automatic insertion of flexible wire with ferrule cap or rigid wire up to pitch of 6 mm



372 70
Automatic fixing on rail ⎵

372 79

Technical characteristics (p. 170)

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. 178)
Direct tool-free insertion of a rigid wire or flexible wire with ferrule, up to 6 mm pitch
2 areas for bridging combs for alternating equipotential connection
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

1 connection - 2 wires - 1 entry/1 outlet

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
60	372 60	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	372 00	Blue					
60	372 20	Orange					
50	372 61 (1)	Grey	4	0.5 to 6	0.5 to 4	0.5 to 4	6
50	372 01 (1)	Blue					
50	372 21 (1)	Orange					
50	372 62 (1)	Grey	6	0.5 to 6	0.5 to 6	0.5 to 6	8
50	372 02 (1)	Blue					
40	372 63 (1)	Grey	10	0.75 to 10	0.75 to 10	0.75 to 10	10
40	372 03 (1)	Blue					
10	372 64 (1)	Grey	16	4 to 16	4 to 16	4 to 16	12
10	372 04 (1)	Blue					

1 connection - 3 wires - 1 entry/2 outlets

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
60	372 40	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	372 41	Blue					
60	372 42	Orange					
50	372 43 (1)	Grey	4	0.5 to 6	0.5 to 4	0.5 to 4	6
50	372 44 (1)	Blue					

1 connection - 4 wires - 2 entries/2 outlets

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
60	372 46	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	372 47	Blue					
50	372 69 (1)	Grey	4	0.5 to 6	0.5 to 4	0.5 to 4	6
50	372 09 (1)	Blue					

2 connections - 4 wires - 2 levels

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
60	372 67	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	372 07	Blue					
50	372 68 (1)	Grey	4	0.5 to 6	0.5 to 4	0.5 to 4	6
50	372 08 (1)	Blue					

For protection conductor

Metal base
Screwless fixing on rail
PEN from 10 mm²

1 connection - 2 wires - 1 entry/1 outlet

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
60	372 70	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
50	372 71 (1)	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 4	6
25	372 72 (1)	Green/yellow	6	0.5 to 6	0.5 to 6	0.5 to 6	8
20	372 73 (1)	Green/yellow	10	0.75 to 10	0.75 to 10	0.75 to 10	10
15	372 74 (1)	Green/yellow	16	4 to 16	4 to 16	4 to 16	12

1 connection - 3 wires - 1 entry/2 outlets

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
40	372 10	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
30	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

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
40	372 12	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
30	372 79 (1)	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 4	6

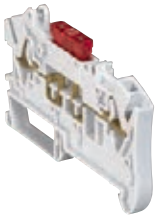
CAB 3 marking system (p. 180)

Blade type levers, joining rods and blown fuse indicators (p. 167)

(1) Built-in end cap

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Viking™ 3 terminal blocks with spring connection (continued)



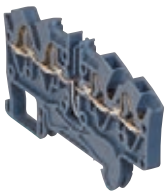
372 80 with automotive-type fuse

372 81 open

372 81 with blown fuse indicator

372 82 + 372 83 + 372 85

372 84



372 54

Technical characteristics (p. 170)

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
Direct tool-free insertion of a rigid wire or flexible wire with ferrule, up to 6 mm pitch
2 areas for bridging combs for alternating equipotential connection
For rails ⎵ depth 15 mm, ⎵ EN 60715 depth 7.5 mm and 15 mm

Disconnect terminal blocks 1 connection - 2 wires

Disconnection by means of blade type lever, handle lever or mini lever (with tool)

Open (to be equipped)
Can take a blade-type automotive fuse or a miniature circuit-breaker or blade type levers
Cat. No. 375 15/16/17/18

Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
20	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	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	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	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	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	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	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

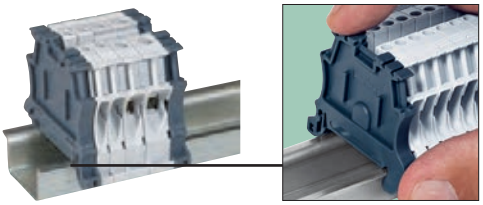
Pack	Cat. No.	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
60	372 54	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
		2 connections - 4 wires - 2 levels - diode carrier					
60	372 55	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
		2 connections - 4 wires - 2 levels - with LED					
		Voltage presence indicator (12/24V⎓ et ∿)					
60	372 56	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5

Accessories (p. 166 - 167)
New Starfix crimping tools (p. 178)

Accessories (p. 166)

Starfix crimping tools (p. 178)

Accessories for Viking™ 3 terminal blocks

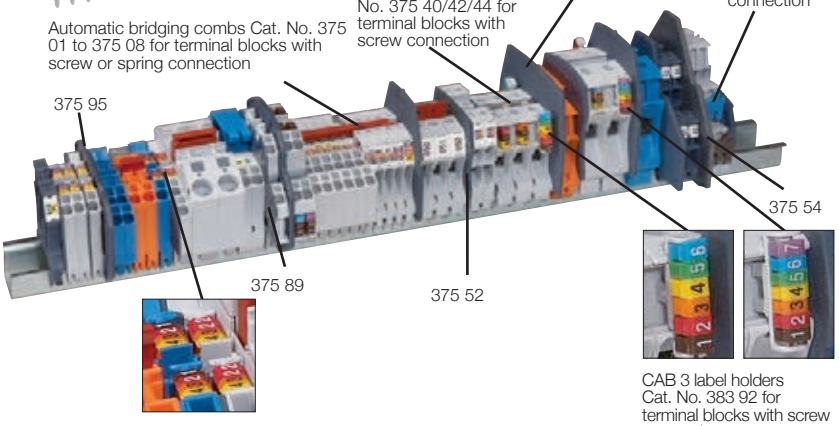


End stop 375 10, screwless mounting

Automatic bridging combs Cat. No. 375 01 to 375 08 for terminal blocks with screw or spring connection

Equipotential bars Cat. No. 375 40/42/44 for terminal blocks with screw connection

Bridging combs Cat. No. 375 46/47 for 3 level terminal blocks with screw connection



375 11 with label holder 395 96

375 12 with CAB 3 labelling

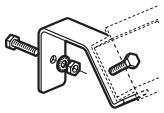
CAB 3 markers

CAB 3 label holders Cat. No. 383 92 for terminal blocks with screw connection

Technical characteristics (p. 171)

Rails for cutting to length

Pack	Cat. No.	
		Length 2 metres
10	374 02	G32 Section EN 60715
10	374 04	⌙ EN 60715 depth 7.5 mm
10	374 07	⌙ depth 15 mm
10	477 22	⌙ depth 7.5 mm with oblong holes

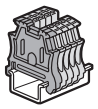


45° mounting bracket

10	394 49	Set of 2 supports for tilting a rail at an angle of 45° Supplied with 4 x M6 screws, nuts an washers

End stops

		Accept CAB 3 markers
		Automatic 6 mm pitch
50	375 10	Screwless mounting For rails ⌙ depth 15 mm and ⌙ EN 60715 depth 7.5 mm and 15 mm Accepts label holder Cat. No. 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	375 11	For rails ⌙ depth 15 mm and ⌙ EN 60715 depth 7.5 mm and 15 mm Accepts label holder Cat. No. 395 96
		10 mm pitch
10	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. No. 373 00/01 - Copper bar 12 x 4 mm with clamps Cat. No. 373 02 - IP 2X terminal block with flat steel bar 12 x 2 mm Cat. No. 048 19 - Copper bar 12 x 4 mm Cat. No. 373 49 or 373 89 - Shielding bar 10 x 3 mm Cat. No. 375 34
		12 mm pitch
20	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. 384 98

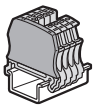


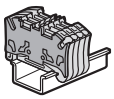
Identification accessories

20	395 96	Transparent label holder with variable angle Fixing on end stops Cat. No. 375 10/11 Supplied with label 32 x 9.5 mm Can take label Cat. No. 395 97
20	395 97	Label for engraving 28 x 9.5 mm For label holder Cat. No 395 96. Flexible ABS White background, black engraving
10	395 98	Black felt tip pen for permanent marking

End caps

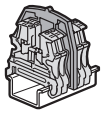
Pack	Cat. No.	
		Grey
		For screw terminal blocks
100	375 50	1 entry/1 outlet 5, 6, 8 and 10 mm pitch
20	375 51	1 entry/1 outlet 12 and 15 mm pitch
20	375 52	2 entries/2 outlets
20	375 53	2 levels
20	375 54	3 levels
20	375 55	Disconnect type 6 mm pitch and function blocks 5 mm pitch
20	375 56	Disconnect type fuse cartridge 5 x 20 and 6.3 x 32 with screwed plug
10	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 ferrule 4 mm²
50	375 86	1 entry/1 outlet
50	375 87	1 entry/2 outlets
20	375 88	2 entries/2 outlets
20	375 89	2 levels
		For spring terminal blocks with 6 mm pitch
20	375 90	Disconnect type

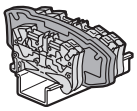




Separation and insulation dividers

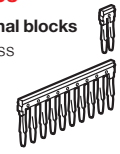
		Grey
		For screw terminal blocks
20	375 60	1 entry/1 outlet 5, 6, 8 and 10 mm pitch
10	375 61	1 entry/1 outlet 12 and 15 mm pitch
10	375 62	2 entries/2 outlets and disconnect type 6 mm pitch
10	375 63	2 levels
20	375 54	3 levels
		For spring terminal blocks
10	375 95	1 entry/1 outlet, 1 entry/2 outlets and 2 entries/2 outlets 5 and 6 mm pitch
10	375 96	2 levels





Equipotential bridging accessories

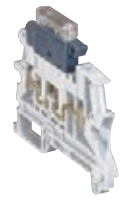
		Brigding combs for screw and spring terminal blocks Front mounting (automatic insertion), screwless Isolated and separable. Consecutive or alternating connection. Red
20	375 01 (1)	For 10 blocks with 5 mm pitch
50	375 02 (1)	For 2 blocks with 5 mm pitch
20	375 04 (2)	For 10 blocks with 6 mm pitch
50	375 05 (2)	For 2 blocks with 6 mm pitch
20	375 07 (3)	For 3 blocks with 8 mm pitch
20	375 08 (3)	For 2 blocks with 8 mm pitch



(2) Block Cat. No. 371 56: lower level only
(3) Except for Cat. No. 371 92

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Accessories for Viking™ 3 terminal blocks (continued)


371 80 + 375 15 + 375 25

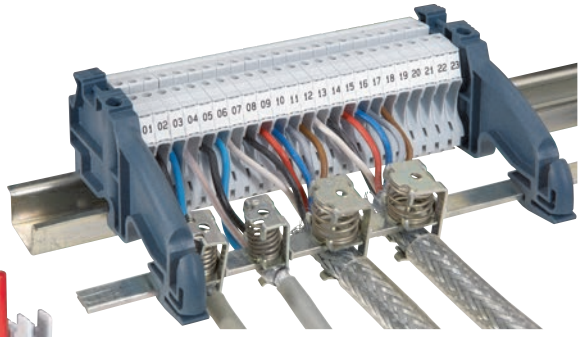
372 81 + 375 24

375 15

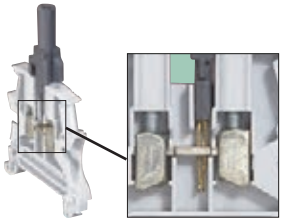
375 16

375 17

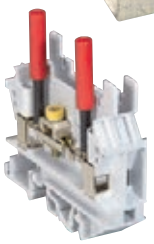
375 18


Shielding terminal block with end stops 375 12, bar 375 34 and clamps 375 30/31

375 66 + 371 63 + 371 03


375 27 + 371 61

375 76 + 371 64


375 77 + 371 92 open

Technical characteristics (p. 171)

Equipotential bridging accessories (continued)

Pack	Cat. No.	
		Bars for screw terminal blocks
		Front mounting with screws. Pre-assembled, bar Consecutive or alternating connection
10	375 40	For 12 blocks with 10 mm pitch
10	375 42 (1)	For 12 blocks with 12 mm pitch
10	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. No. 371 51/52. Side mounting Isolated and separable
10	375 46	Brown. For 12 blocks with 5 mm pitch
10	375 47	Blue. For 12 blocks with 5 mm pitch
		Bridging combs for spring terminal blocks
		Front mounting (automatic insertion), screwless Isolated. Red
20	375 82	For 2 blocks with 10 mm pitch
20	375 85	For 2 blocks with 12 mm pitch

Accessories for disconnect blocks

		For screw and spring terminal blocks
		Blade type levers
		For open blocks Cat. No. 371 80 and 372 80 Manual disconnection for handle type, tool required for mini lever type
10/50	375 15	With handle lever for fuse cartridge 5 x 20
10/50	375 16	Blue handle lever for neutral
10/50	375 17	Grey handle lever
10/50	375 18	Mini lever
		Joining rods
		For handle and mini lever
20	375 21	For 2 blocks
20	375 22	For 3 blocks
		Blown fuse indicators
		Clip directly onto blocks Cat. No. 371 81, 372 81 or handle lever 375 15 (with power off)
10/50	375 24	12/24/48 V⎓ and ∿ for block with fuse cartridge 5 x 20 with handle lever
10/50	375 25	110/250 V∿ for block with fuse cartridge 5 x 20 with handle lever

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. 375 34 - mounted on plate with M4 screws (supplied) - mounted on rail ⎓ with Cat. No. 364 69
10	375 30	For cable diam. 3 to 8 mm
10	375 31	For cable diam. 4 to 13.5 mm
4	375 32	For cable diam. 10 to 20 mm

Shielding accessories (continued)

Pack	Cat. No.	
		Ensure safe, simple connection of cable shielding
		Shielding bar
		For screw and spring terminal blocks. Steel. Length 1 m. For use with end stops Cat. No. 375 12
10	375 34	**10 x 3 mm**
		Screening continuity bracket
50	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

Protective screens

		1 pole
		For screw terminal blocks 1 entry/1 outlet
10	375 65	5 and 6 mm pitch
10	375 66	8 and 10 mm pitch
10	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
10	375 68	5, 6, 8 and 10 mm pitch (divider Cat. No. 375 60)
10	375 69	12 and 15 mm pitch (divider Cat. No. 375 61)

Measurement accessories

		For screw and spring terminal blocks
10	375 27 (2)	Measurement socket for Ø4 mm plug for blocks with 5 and 6 mm pitch
		For screw terminal blocks
50	375 75	Measurement socket for Ø2 mm plug for blocks with 10 mm pitch Cat. No. 371 03/63
20	375 76	Measurement socket for Ø4 mm plug for blocks with 12 and 15 mm pitch Cat. No. 371 04/05/64/65
10	375 77	Measurement socket for Ø4 mm plug for disconnect block for measurement Cat. No. 371 92
		IP 2X safety tip adaptor
1/10	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 4 mm plug

(1) Except for Cat. No. 371 87
(2) 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

Viking™ 3 terminal blocks with screw connection

■ Characteristics and dimensions (mm)

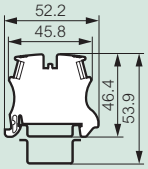
V2 polyamide according to UL 94, 960° C according to IEC EN 60695-2-11

Connecting blocks

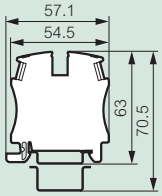
Cat. No.	Voltage (V)			Current (A)				Nominal cross-section		
	IEC	CSA	UL	Ie	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
371 00/20/30/60	800	600	600	27	24	20	20	2.5	12	12
371 01/21/31/61				36	32	30	30	4	10	10
371 02/62				48	41	50	50	6	8	8
371 03/63				63	57	60	60	10	6	6
371 04/64				85	76	85	85	16	4	4
371 05/65				138	125	115	115	35	2	2
371 07/67	500	300	300	27	24	20	20	2.5	12	12
371 08/68				36	32	30	30	4	10	10
371 09/69				36	32	30	30	4	10	10
371 66	1000	600	600	213	192	200	200	70	000	000
371 77	800	600	600	36	32	30	30	4	10	10
371 78				48	41	50	50	6	8	8

Cat. No. 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

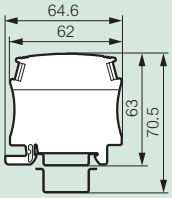
Cat. No. 371 00/01/02/03 /20/21/30/31/60/61/62/6 3/77/78

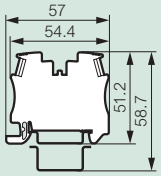


Cat. No. 371 04/05/64/65

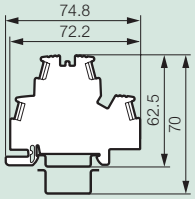


Cat. No. 371 66





Cat. No. 371 07/08/67/68



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 (1) and plastic base.
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	144

Attestation of conformity of component for the customer is available on request

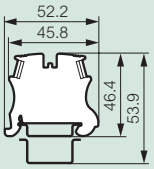
(1) Except for Cat. No. 371 76

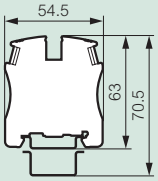
Blocks for protection conductor

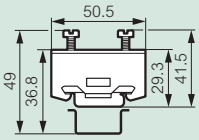
Cat. No.	Voltage (V)			Current (A)		Nominal cross- section		
	IEC	CSA	UL	Ie	IEC	IEC (mm²)	CSA (AWG)	UL (AWG)
371 70	800	600	600	-	-	2.5	12	12
371 71				-	-	4	10	10
371 72				-	-	6	8	8
371 73 (1)				63	57	10	6	6
371 74 (1)				85	76	16	4	4
371 75 (1)				138	125	35	2	2
371 76	-	-	-	-	-	35	-	-
371 77	800	600	600	36	32	4	10	10
371 78				48	41	6	8	8
371 79	500	300	300	-	-	4	10	10

IEC 60947-7-1/7-2, CSA no. 22-2 no. 158, UL 1059
Ie: Rated current NF C 15100 table 52H, column 4
(1) PEN terminal blocks

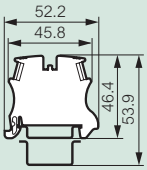
Cat. No.
371 70/71/72/73



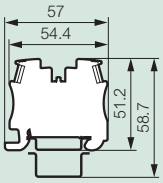




Cat. No. 371 77/78



Cat. No. 371 79



Disconnect terminal blocks

Cat. No.	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
371 80	500	300	300	15	15	15	2.5	12	12
371 81 ou 371 80 + 375 15	250	250	250	6.3	6.3	6.3			
371 82	500	300	300	15	15	15			
371 83									
371 84									
371 85									
371 86									
371 87/88	250	250	250	10	10	10	10		

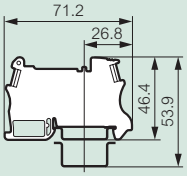
IEC 60947-7-1/7-3, CSA no. 22-2 no. 158, UL 1059

Power according to EN 60947-7-3

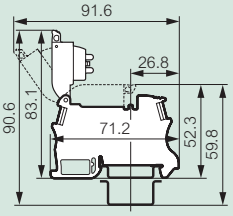
Cat. No.	Short-circuit		Short-circuit + overload	
	Separate blocks	Assembled blocks	Separate blocks	Assembled blocks
371 81 or 371 80 + 375 15 (1)	4 W / 6.3 A	1.6 W/6.3 A	1.6 W/6.3 A	-
	Pvk = 4.75 W	Pvk = 2 W	Pv = 1.65 W	-
371 87/88	4 W	2.5 W	1.6 W	-
	Pvk = 5 W	Pvk = 2.7 W	Pv = 1.8 W	-

(1): With or without blown fuse indicator Cat. No. 375 25

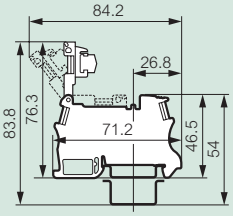
Cat. No. 371 80



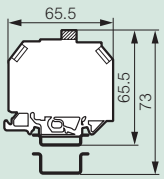
Cat. No. 371 81/82/83/85



Cat. No. 371 84/86



Cat. No. 371 87/88



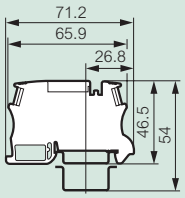
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Function blocks

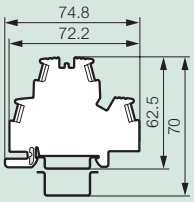
Cat. No.	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
371 53	250	-	-	-	-	-	2.5	-	-
371 54	250	-	-	1	-	-	2.5	-	-
371 55	500	300	300	1	1	1	4	10	10
371 56	12 to 24	12 to 24	12 to 24	32	30	30	4	10	10

IEC 60947-7-1, CSA no. 22-2 no. 158, UL 1059

Cat. No. 371 53/54

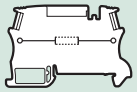


Cat. No. 371 55/56

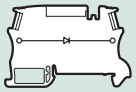


Schematic diagrams

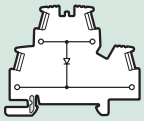
Cat. No. 371 53



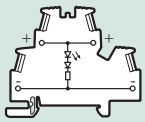
Cat. No. 371 54



Cat. No. 371 55



Cat. No. 371 56

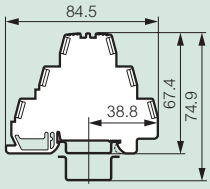


Diode for Cat. No. 371 54/55
- 1N4007 type 1A
- direct current ⎓ 1 A
- peak inverse voltage 1000 V
- inverse current 5 µA at 25° C

Blocks for sensors and actuators/PNE

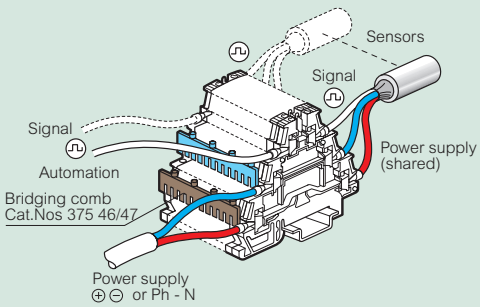
Cat. No.	Voltage (V)			Current (A)				Nominal cross-section		
	IEC	CSA	UL	Ie	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
371 51	400	300	300	27	24	20	20	2.5	12	12
371 52										

IEC 60947-7-1/7-2, CSA no. 22-2 no. 158, UL 1059
Ie: Rated current NF C 15100 table 52H, column 4

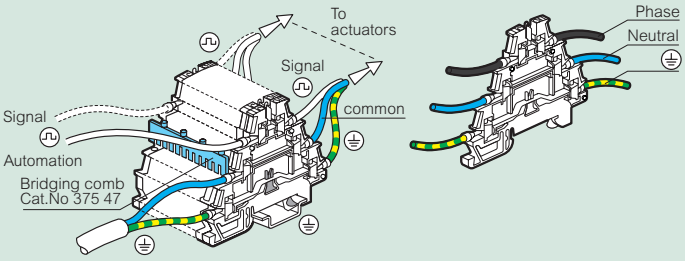


Wiring principle

Block for sensor Cat. No. 371 51



Block for actuator Cat. No. 371 52

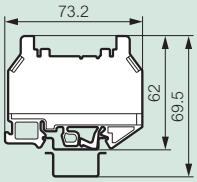


Disconnect block for measurement

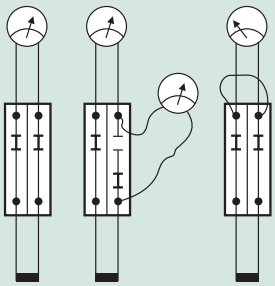
Cat. No.	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
371 92	800	-	-	24	-	-	4	-	-

IEC EN 60947-7-1

Cat. No. 371 92

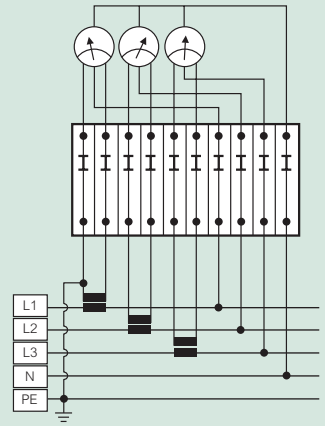


Wiring principle for measurement blocks Cat. No. 371 92



Per circuit:
2 x Disconnect blocks for measurement Cat. No. 371 92
4 x Measurement sockets for Ø4 mm plug Cat. No. 375 77
1 x End cap Cat. No. 375 57
1 x Shunt with Ø4 mm plugs

Wattmeter circuit



10 x Disconnect blocks for measurement Cat. No. 371 92
12 x Measurement sockets for Ø4 mm plug Cat. No. 375 77
1 x End cap Cat. No. 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
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

Viking™ 3 terminal blocks with spring connection

■ Characteristics and dimensions (mm)

V2 polyamide according to UL 94, 960° C according to IEC EN 60695-2-11

Connecting blocks

Cat. No.	Voltage (V)			Current (A)				Nominal cross- section		
	IEC	CSA	UL	Ie	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
372 00	800	600	600	36	32	20	20	4	12	12
372 01										
372 02				48	41	30	30	6	10	10
372 03				63	57	50	50	10	8	8
372 04				85	76	65	65	16	6	6
372 07	500	300	300	36	32	30	30	4	10	10
372 08										
372 09	800	600	600			20	20		12	12
372 20										
372 21										
372 40										
372 41										
372 42										
372 43										
372 44										
372 46										
372 47										
372 60										
372 61										
372 62				48	41	30	30	6	10	10
372 63				63	57	50	50	10	8	8
372 64				85	76	65	65	16	6	6
372 67	500	300	300	36	32	30	30	4	10	10
372 68										
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

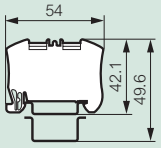
Cat. No.	Voltage (V)			Nominal cross- section		
	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
372 10	800	600	600	4	10	10
372 11						
372 12						
372 70						
372 71						
372 72				6		
372 73 (1)				10	8	8
372 74 (1)				16	6	6
372 79				4	10	10

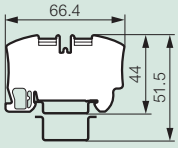
Function blocks

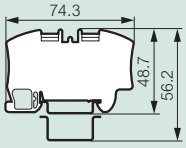
Cat. No.	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
372 54	500	300	300	1	1	1	4	14	14
372 55									
372 56	12 to 24	12 to 24	12 to 24	-	-	-			

IEC 60947-7-1, CSA no. 22-2 no. 158, UL 1059

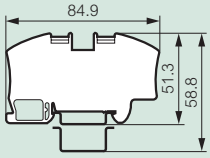
Cat. No. 372 00/01/20/ 21/60/61/70/71



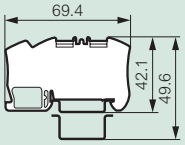




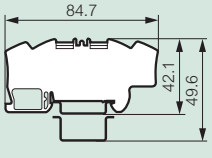
Cat. No. 372 04/64/74

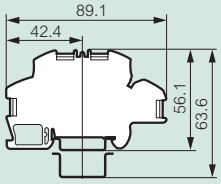


Cat. No. 372 10/11/40/ 41/42/43/44



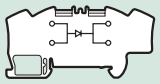
Cat. No. 372 09/12/46/ 47/54/69/79



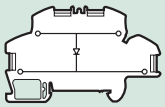


Schematic diagrams

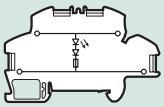
Cat. No. 372 54



Cat. No. 372 55



Cat. No. 372 56



Diode for Cat. No. 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 Ex 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.
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: 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. No.	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
372 80	500	300	300	15	15	15	2.5	14	14
372 81 or 372 80 + 375 15	250	250	250	6.3	6.3	6.3			
372 82	500	300	300	15	15	15			
372 83									
372 84									
372 85									
372 86									

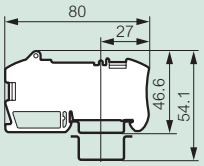
IEC 60947-7-1/7-3, CSA no. 22-2 no. 158, UL 1059

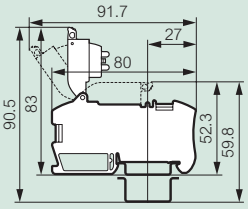
Power according to EN 60947-7-3

Cat. No.	Short-circuit		Short-circuit + overload	
	Separate blocks	Assembled blocks	Separate blocks	Assembled blocks
372 81 ou 372 80 + 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	-

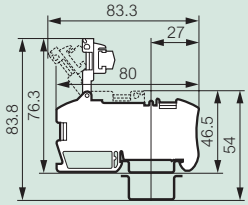
(1): With or without blown fuse indicator Cat. No. 375 25

Cat. No. 372 80





Cat. No. 372 84/86



Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

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

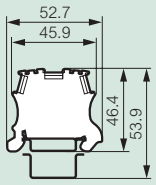
Art. EL 3, definitions: "Security installations are those that have to be put into or maintained in service to ensure the evacuation of the public or facilitate the intervention of the first-aid"

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"
terminal blocks satisfy the incandescent wire test 960° C according to standard IEC 60695-2-11

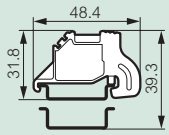
■ Characteristics and dimensions (mm)

End stops

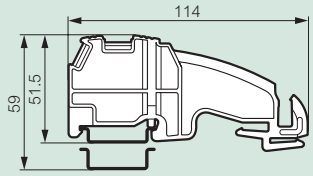
Cat. No. 375 10



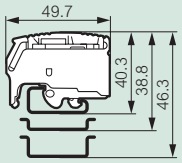
Cat. No. 375 11



Cat. No. 375 12



Cat. No. 375 13



End caps

Cat. No.	Thickness (mm)
375 50	2
375 51	2.5
375 52	2
375 53	2
375 54	2.5
375 55	2
375 56	1.4
375 57	1.4
375 86	1
375 87	1.1
375 88	1.1
375 89	1.1
375 90	2

Separation and insulation dividers

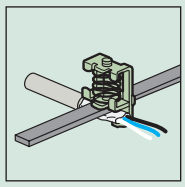
Cat. No.	Thickness (mm)
375 54	2.5
375 60	2.5
375 61	2.6
375 62	2.5
375 63	2.5
375 95	2.8
375 96	2.7

Equipotential bridging combs/bars

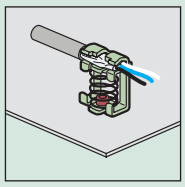
Cat. No.	Cross-section (mm^2)
375 01	2.5
375 02	2.5
375 04	4
375 05	4
375 07	6
375 08	6
375 40	10
375 42	16
375 44	35
375 46	2.5
375 47	2.5
375 82	10
375 85	16

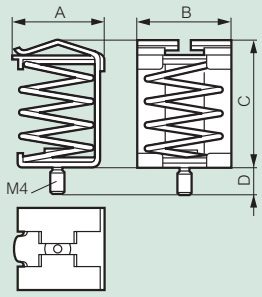
Shielding clamps

Mounting on bar 10 x 3 Cat. No. 375 34



Mounting on plate





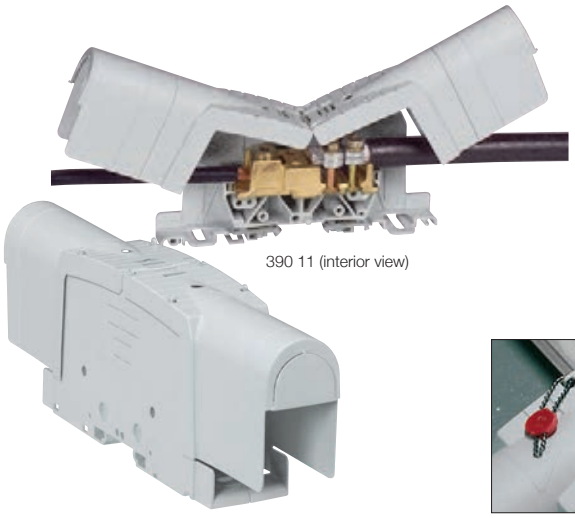
Cat. No.	A	B	C	D
375 30	13.5	18	26	5.6
375 31	20	20.3	31.4	5.3
375 32	24.8	26	40	5.3

Viking™ 3 power terminal blocks

Approvals (p. 50)		ELECTRICAL FUNCTION		TERMINAL BLOCKS				INSULATION	EQUIPOTENTIAL LINK	PROTECTION		ASSOCIATED PRODUCTS
				Max. connection (mm^2)	Pitch (mm)	Cat. No. Rail ⊔	Cat. No. Rail ⊏	Separation and insulation divider	Shunt	Cover 4 blocks	Cover 3 blocks	CAB 3 (p. 180)
390 11	**Power terminal blocks** (p. 173)	**Cable - cable**			42	390 10	•		394 46			
					55	390 11	•		394 47			
390 21		**Cable lug - Cable lug**			36	390 13	•		394 46			
					42	390 14	•		394 46			
					55	390 15	•		394 47			
390 14		**Cable lug - Cable**			42	390 17	•		394 46			
					55	390 18	•		394 47			
		Cable - Cable lug			42	390 20	•		394 46			
					55	390 21	•		394 47			

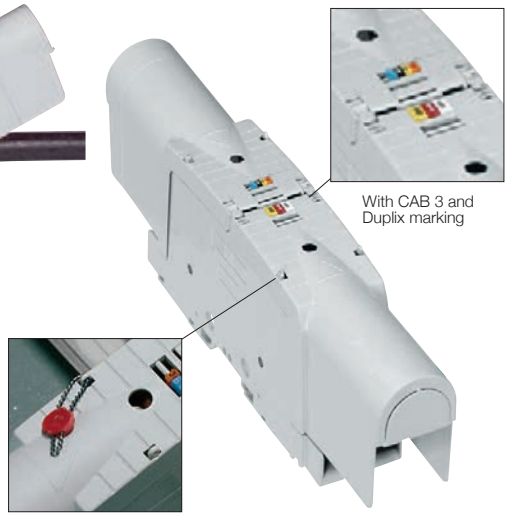
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Viking™ 3 power terminal blocks



390 11 (interior view)

390 11



With CAB 3 and Duplix marking

Possibility of sealing

390 10

Direct connection Al/Cu

Pack	Cat. No.	For copper and aluminium cables		
		Bridging the gap between the enclosure and external cables Fixed using metal clip for rails ⎵ 15 mm depth and ⎵ EN 60715 15 mm depth, or on plate with screws Fitted with covers with cut-outs Permits the use of Cab 3, Duplix markers Test via test plug Ø4 closed covers Blocks with identical pitch can be joined using a threaded rod Supports shunt with Cat. No. 394 46/47		
		Cable/cable		
		Rigid or flexible connecting cable (mm²)	**Rigid or flexible connecting cable (mm²)**	**Pitch (mm)**
5	390 10	Al/Cu 35 to 120	Cu 35 to 70	42
5	390 11	Al/Cu 70 to 300	Cu 70 to 150	55
		Cable lug/cable lug		
		Connecting plate max. (mm²)	**Connecting plate max. (mm²)**	**Pitch (mm)**
5	390 13	Al/Cu 95	Al/Cu 95	36
5	390 14	Al/Cu 150	Al/Cu 150	42
5	390 15	Al/Cu 300	Al/Cu 300	55
		Cable lug/cable		
		Connecting plate max. (mm²)	**Rigid or flexible connecting cable (mm²)**	**Pitch (mm)**
5	390 17	Al/Cu 150	Cu 35 to 95	42
5	390 18	Al/Cu 300	Cu 70 to 150	55
		Cable/cable lug		
		Rigid or flexible connecting cable (mm²)	**Connecting plate max. (mm²)**	**Pitch (mm)**
5	390 20	Cu 35 to 120 Al 35 to 120	Al/Cu 120 Al/Cu 70	42
5	390 21	Cu 70 to 300 Al 70 to 300	Al/Cu 300 Al/Cu 150	55

Pack	Cat. No.	Accessories for power terminal blocks for copper and aluminium cables
		Shunt
5	394 46	For blocks with pitch 36 and 42 mm
5	394 47	For blocks with pitch 55 mm

■ Characteristics of power terminal blocks for copper and aluminium cables

IK 04
Conform to IEC EN 60947-7-1
UL 1059 and 486 E - CSA 22-2
Fire resistant IEC EN 60695-2-11: 960° C (except cover)
V2 according to UL 94
Insulation voltage Ui: 1000 V
Impulse voltage Uimp: 12 kV
Insulating material:
- polyamide body - 30° C to + 100° C
- polypropylene cover -25° C to + 100° C

Connection table

Cat. No.	Connection (mm²)	Width of plate (mm)	Screw Ø	Connection (mm²)	Width of plate (mm)	Screw Ø
Cable - Cable						
390 10	Rigid or flexible Cu/Al: 35 to 120			Rigid or flexible Cu: 35 to 70		
390 11	Rigid or flexible Cu/Al: 70 to 300			Rigid or flexible Cu: 70 to 150		
Cable lug - Cable lug						
390 13	Cu/Al: max. 95	28	M 8	Cu/Al: max. 95	28	M 8
390 14	Cu/Al: max. 150	34	M 10	Cu/Al: max. 150	34	M 10
390 15	Cu/Al: max. 300	46	M 12	Cu/Al: max. 300	46	M 12
Cable lug - Cable						
390 17	Cu/Al: max. 150	34	M 10	Rigid or flexible Cu: 35 to 95		
390 18	Cu/Al: max. 300	46	M 12	Rigid or flexible Cu: 70 to 150		
Cable - Cable lug						
390 20	Rigid or flexible Cu: 35 to 120 Al: 35 to 120			Cu/Al: max. 120 Cu/Al: max. 70	34	M 10
390 21	Rigid or flexible Cu: 70 to 300 Al: 70 to 300			Cu/Al: max. 300 Cu/Al: max.150	46	M 12

Cable - cable

Terminal for cable lug - terminal for cable lug

Terminal for cable lug - cable

Cable - terminal for cable lug

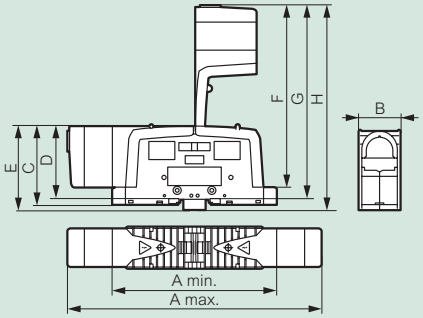
Currents table

Cat. No.	Current (A)				Short-circuit current (kA)		Tightening torque (Nm)	
	Shunted input	I/O currents			Shunted input	I/O	Site	Factory
	IEC	IEC	CSA	UL				
Cable - Cable								
390 10	340	250	200	175	14.4	8.4	15	15
390 11	570	400	300	285	36	18	35	35
Cable lug - Cable lug								
390 13	310	310	250	230	11.4	11.4	15	15
390 14	415	415	340	285	18	18	15	15
390 15	670	670	520	420	36	36	35	35
Ccable lug - Cable								
390 17	415	315	210	230	18	11.4	15	15
390 18	670	420	325	285	36	18	35	35
Cable - Cable lug								
390 20	340	340	235	255	14.4	8.4	15	15
390 21	570	570	375	420	36	18	35	35
Shunts								
394 46	450 max.						6	
394 47	700 max.						10	

Cable section quivalence table

mm²	35	70	95	120	150	185	300
AWG	2	00	0000	250	300	350	600

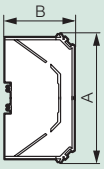
Dimensions (mm)



Cat. No.	A max.	A min.	B	C	D	E	F	G	H
390 13	227	155	36	82	73	88	176	185	191
390 10/14/17/20	296	200	42	83.5	74.5	89.5	212	221	227
390 11/15/18/21	337	216	55	107.3	98.5	113.5	257	266	272

■ Separation barriers

Dimensions (mm)

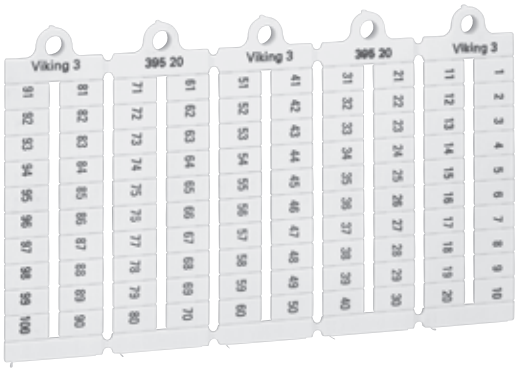


Cat. No. 394 77/78

Cat. No.	A	B	Th.
394 77	106	82	8
394 78	188	102	12

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Marking labels for Viking 3
Terminal blocks



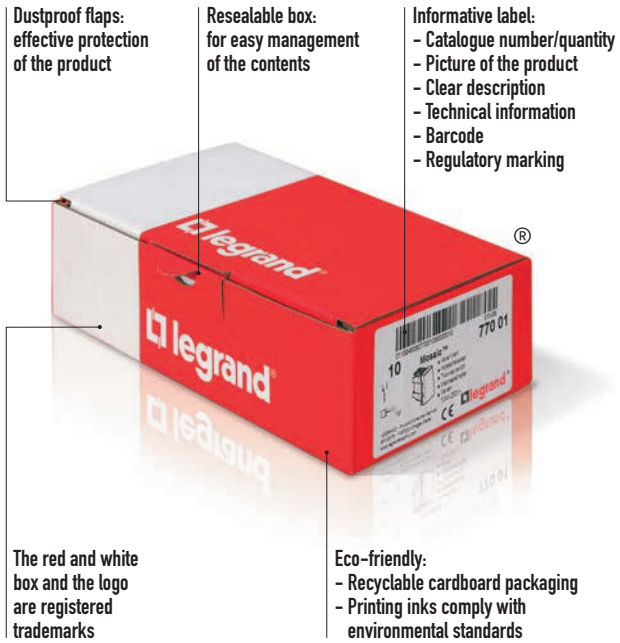
395 20

395 98

Pack	Cat. No.		
			Marking label sheets
			Blank markers 100 snap off markers
10	395 00		For blocks 5mm pitch
10	395 01		For blocks 6mm pitch
10	395 02		For blocks 8mm pitch
	Horizontal	**Vertical**	
			Marker width 5 mm
10	395 05	395 55	From 1 to 10 (10 times)
10	395 06	395 56	From 11 to 20 (10 times)
10	395 07	395 57	From 21 to 30 (10 times)
10	395 08	395 58	From 31 to 40 (10 times)
10	395 09	395 59	From 1 to 50 (2 times)
10	395 10	395 60	From 1 to 100
10	395 11	395 61	From 101 to 200
10	395 12	-	From 201 to 300
			Marker width 6 mm
10	395 15	395 65	From 1 to 10 (10 times)
10	395 16	395 66	From 11 to 20 (10 times)
10	395 17	395 67	From 21 to 30 (10 times)
10	395 18	395 68	From 31 to 40 (10 times)
10	395 19	395 69	From 1 to 50 (2 times)
10	395 20	395 70	From 1 to 100
10	395 21	395 71	From 101 to 200
10	395 22	-	From 201 to 300
10	395 23	-	From 301 to 400
10	395 24	-	From 401 to 500
			Upper case letters and conventional symbols
			Horizontal reading format Composition: 12 x L1, 12 x L2, 12 x L3, 14 x T, 10 x PEN, 10 x PE, 10 x P, 20 x N
			For terminals of pitch (mm):
10	395 36		6
			Black felt tip pen
10	395 98		Indelible for marking

Practical and eco-friendly

Legrand packaging - your guarantee of a certified original product which is factory inspected, protected and clearly identifiable.



Some items sold separately
For pack quantity, please refer to numerical index pages
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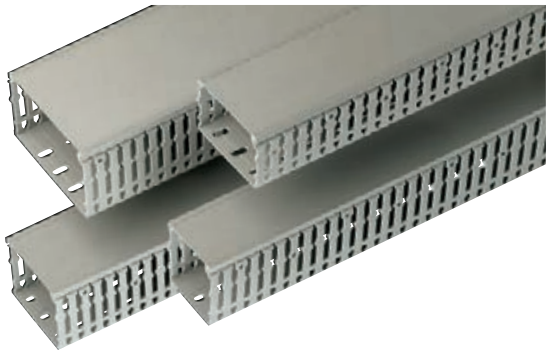
Lina 25 and Transcab™ cable ducting



Technical characteristics (p. 177)

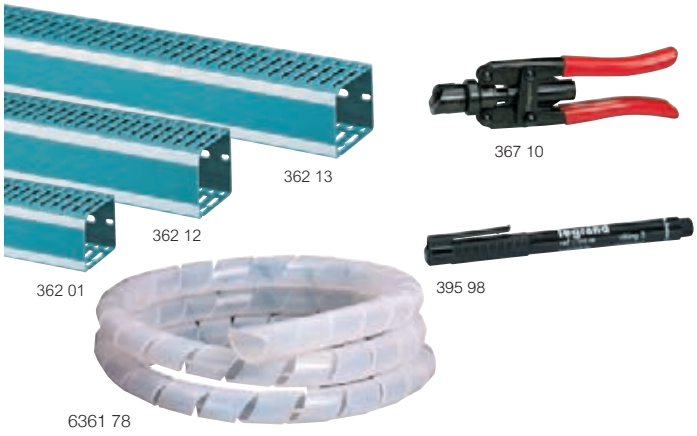
Transcab™ slotted duct
Material: PVC. Colour: grey RAL 7030
Conforms to EN 50085 Parts 2 and 3, UL and CSA
Metric size body with finger DIN pitch 12·5 mm.
(6 mm gap/6·5 mm finger width)
Maximum space for cables with improved heat dissipation. Exit cables at terminal or base level. Pre-scored based enables the ducting to be snapped to length, once the reinforcement bar is removed. Reinforcement bar provides not only rigidity but also an anchor for cable ties. Rounded fingers are easily removed at the terminal or base level, without injury during wiring. Cover can be cut without surface damage due to the raised edges which also provide a guide for labels. DIN standard base fixing centres of 12·5/25 mm. Cover clips easily into position and remains firmly in place.

Plastic cable ducting
Grey RAL 7030 (base + cover)

Pack	Cat. No.			
Length per pack	Length 2 m	Width x Height (mm)	Capacity (mm²)
8	6360 95	15 x 25	264
30	6361 00	25 x 25	391
28	6361 05	40 x 25	692
20	6360 96	15 x 40	455
28	6361 01	25 x 40	720
24	6361 06	40 x 40	1245
16	6361 11	60 x 40	1932
12	6361 15	80 x 40	2647
1	6361 19	100 x 40	3363
28	6361 02	25 x 60	1159
24	6361 07	40 x 60	2007
16	6361 12	60 x 60	3115
12	6361 16	80 x 60	4200
12	6361 20	100 x 60	5307
8	6361 24	120 x 60	6403
20	6361 03	25 x 80	1600
20	6361 08	40 x 80	2717
16	6361 13	60 x 80	4216
12	6361 17	80 x 80	5716
8	6361 21	100 x 80	7215
8	6361 25	120 x 80	8729
12	6361 09	40 x 100	3354
12	6361 14	60 x 100	5216
10	6361 18	80 x 100	7078
8	6361 22	100 x 100	8960
6	6361 23	150 x 100	13683

Plastic cable ducting
Grey RAL 7035 (Halogen free - base + cover)

Length per pack	Length 2 m	Width x Height (mm)	Capacity (mm²)
30	6362 00	25 x 25	391
28	6362 01	25 x 40	720
24	6362 06	40 x 40	1245
28	6362 02	25 x 60	1159
24	6362 07	40 x 60	2700
16	6362 12	60 x 60	3115
20	6362 08	40 x 80	2717
16	6362 13	60 x 80	4216
12	6362 17	80 x 80	5716



Technical characteristics (p. 177)

Lina 25 ducting

Pack	Cat.No.	
Length per pack	Length 2 m	Width x Height
30	362 00	25 x 25
28	362 01	25 x 40
28	362 02	25 x 60
20	362 03	25 x 80
28	362 05	40 x 25
24	362 06	40 x 40
24	362 07	40 x 60
20	362 08	40 x 80
16	362 11	60 x 40
16	362 12	60 x 60
16	362 13	60 x 80
12	362 16	80 x 60
12	362 17	80 x 80
8	362 25	120 x 80

RAL 2525 blue PVC, approvals CSA (Canada), UL (USA), conform to EN 50085-2-3
Side perforations at intervals of 12.5 mm
Length: 2 m

Lina 25 cutter tool

1	367 10	For a straight break with fingers

Sleeving

Braided sleeving
Black polyester
Supplied in 25 m roll in dispenser box with an indicator 3 m before end

		Ø of roll	Ø variations
1	366 38	20 mm	10 to 30 mm
1	366 39	30 mm	18 to 54 mm

Spiral sleeving

25	6361 78	12 mm

Black felt tip pen

	395 98	Permanent marker

Accessories

25	6361 77	Spiral sleeving 6 mm
25	6361 78	Spiral sleeving 12 mm
20	366 42	22mm support for slotted cable duct
100	366 40	Din rail bracket for slotted duct
50	366 45	Label holder/cable retainer
1	366 37	Support for CAB3 markers 4 to 6 mm
10	366 36	Label holder for Cat. No. 366 37

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Lina 25™ and Transcab cable ducting

■ Transcab and Lina 25: halogen free cable ducting

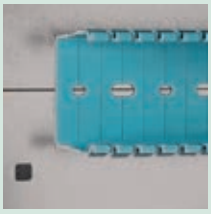
6.5 mm wide fingers with a 6 mm spacing
Accepts up to 6 mm² without breaking side wall finger
Two pre-scored lines allow removal of fingers 2 m length
Bump on side wall fingers help cabling
Rounded fingers prevent injury during cabling
Conform to EN 500 85 parts 2 and 3
Approvals:
CSA (Canada) No 700 861 • UL (USA) No 196 692
RAL 7030 Grey PVC / RAL 7035 PC ABS halogen free
Plastic cable ducting (base + cover)

■ Norm EN 50085-2-3

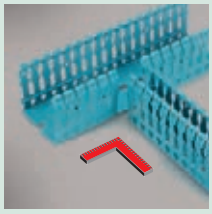
Transcab and Lina 25 cable ducting classification

6.3 Minimum storage and transport temperature	- 5 °C
6.3 Minimum installation and application temperature	- 5 °C
6.3 Maximum application temperature	+ 60 °C
6.5 Electrical continuity characteristic	Without electrical continuity characteristic
6.6 Electrical insulating characteristic	With electrical insulating characteristic
6.9 System access	Without a tool
6.101 Mounting position	Vertical or horizontal

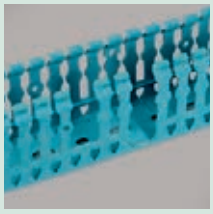
■ Lina 25 installation



Linear positioning



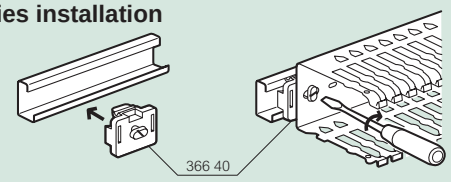
"T" junction



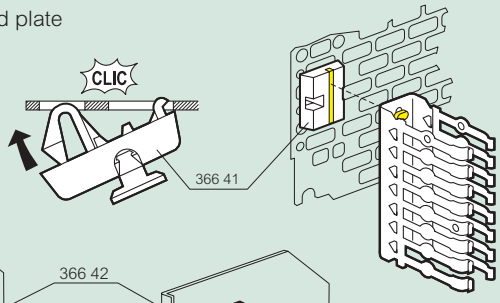
Cut at two different levels for cable ducting

■ Lina 25 accessories installation

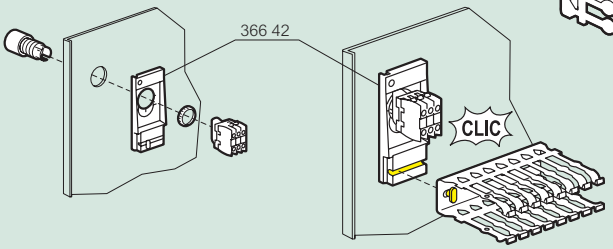
Fixing on rail



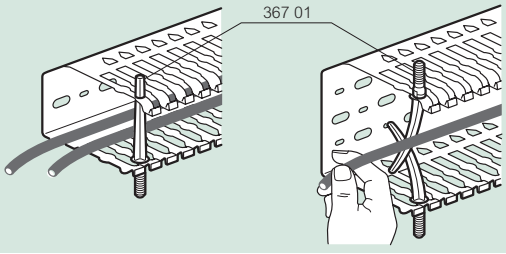
Fixing on perforated plate



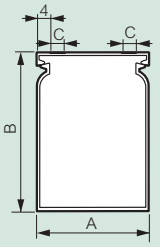
Fixing on door



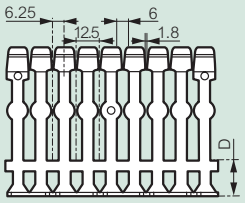
Cable retainer



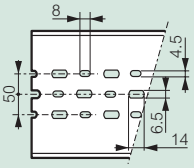
■ Dimensions



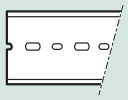
Width 25 to 120 mm



Width 80 to 120 mm



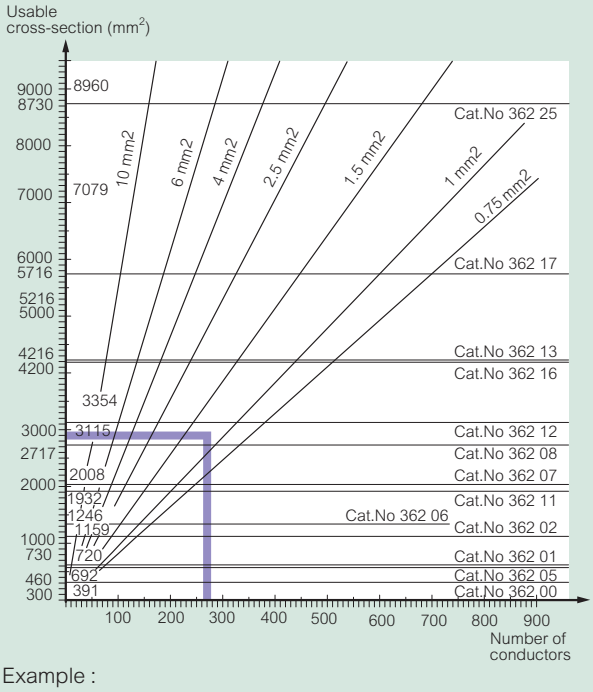
Width 25 to 60 mm



Cat.Nos	A (mm)	B (mm)	C (mm)	D (mm)
362 00 / 6361 00	25	25	6	10.1
362 01 / 6361 01	25	40	5	12.6
362 02 / 6361 02	25	60	6	16.1
362 03 / 6361 03	25	80	6	18.6
362 05 / 6361 05	40	25	10	10.1
362 06 / 6361 06	40	40	10	12.6
362 07 / 6361 07	40	60	10	16.1
362 08 / 6361 08	40	80	10	18.6
362 11 / 6361 11	60	40	10	12.6
362 12 / 6361 12	60	60	10	16.1
362 13 / 6361 13	60	80	10	18.6
362 16 / 6361 16	80	60	10	16.1
362 17 / 6361 17	80	80	10	18.6
362 25 / 6361 25	120	80	10	18.6

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 362 12, 60 x 60,
with a capacity of 3115 mm²

Starfix™ ferrules and crimping tools

376 50

376 66

376 64

376 77

376 87

376 09 with refill Cat. No. 376 43

376 43

Cross-section adjustment

376 06

376 92

Technical characteristics (p.179)

Ferrules with insulating flange

Provide an equipotential link for all the strands of a flexible conductor
Active part in tinned electrolytic copper
Conform to NF C 63-023

Simples in strips

Pack	Cat. No.	For-cables cross-section (mm²)	Colour	Strips	Ferrules
500	376 50	0.25	turquoise	10	50
500	376 60	0.34	green	12	40
480	376 61	0.5	white	12	40
480	376 62	0.75	blue	12	40
1000	376 63	1	red	25	40
1000	376 64	1.5	black	25	40
1000	376 66	2.5	grey	25	40
250	376 67	4	orange	10	25
250	376 68	6	green	10	25

Simples individuals (box packing)

100	376 69	10	brown		
100	376 70	16	white		
50	376 71	25	black		
50	376 77	35	red		
30	376 78	50	blue		

Doubles individuals

100/500	376 87	2 x 0.75	blue		
100/500	376 88	2 x 1	red		
100/500	376 89	2 x 1.5	black		
100/500	376 90	2 x 2.5	grey		

Large capacity Starfix refills

Large capacity for less frequent applicator reloading
Translucent packaging
For direct mounting on crimping tool Cat. No. 376 09

		Cross-section (mm²)	Colour	Number of ferrules per strip
3 000	376 41	0.5	White	300
3 000	376 42	0.75	Blue	300
3 000	376 43	1	Red	300
3 000	376 44	1.5	Black	300
2 500	376 45	2.5	Grey	250
1 000	100 652	1	Red	1 000/reels
1 000	100 653	1.5	Black	1 000/reels

Crimping tools for ferrules in strips

Cut and carry out 4-point crimping of ferrules from 0.25 to 6 mm² in one operation
Use recommended for spring connections Dedicated applicator for each crimping tool for dispensing strips

Pack	Cat. No.	
		Starfix crimping tool for 0.25 and 0.34 mm² cross-sections
1	376 08	Supplied fitted with empty applicator
		Starfix crimping tool for 0.5 to 2.5 mm² cross-sections
1	376 09	Fitted with an adjustment wheel Supplied fitted with empty applicator
1	376 39	**Assorted kit, comprising:** - 1 Starfix crimping tool, Cat. No. 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	376 10	Fitted with an adjustment wheel Supplied complete with empty applicator
		Starfix S multi-purpose crimping tool for 0.5 to 2.5 mm² cross-sections
1	376 97	Tool cuts, strips, twists, crimps Supplied complete with 5 empty applicators For left and right-handed persons

Crimping tool for individual single and double ferrules

Starfix crimping tool for 0.25 to 6 mm² cross-sections

For 4-point crimping of ferrules from 0.25 to 6 mm²
Use recommended for spring connections

Pack	Cat. No.	
1	376 06	Crimping tool with disengageable control system, crimping at end Right or left-handed

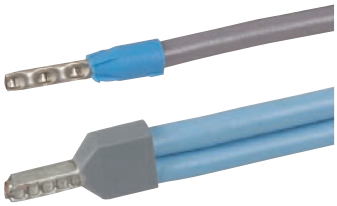
Starfix clamp for 10 to 50 mm² cross-section

Pack	Cat. No.	
1	376 92	Assorted kit: supplied comprising: - 1 tool with crimping operation 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

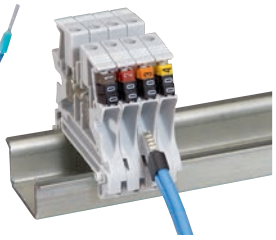
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Starfix™ applicator

376 47

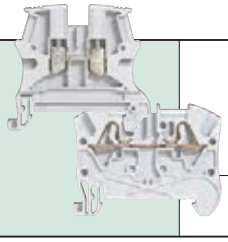


Example of simple/double ferrules on wires



Example of different wires and ferrules

Pack	Cat. No.	Starfix applicator	
		For Starfix crimping tool	
		For dispensing strips of ferrules in Starfix crimping tools Cat. No. 376 08/09/10	
		For ferrules cross-section (mm²)	**Colour**
10	376 46	0.25 and 0.34	yellow
10	376 47	0.5 to 2.5	red
10	376 48	4 and 6	orange

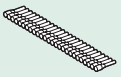


Viking 3: Screw or spring connection terminal blocks and common accessories

see p. 162-167

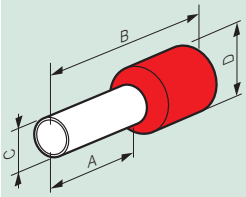
Starfix™ applicator

■ Correspondence table

Cross-section (mm²) / Ferrule	 Simple ferrule	Large capacity ferrule - refills	Starfix applicator
0.5	376 61	376 41	376 47
0.75	376 62	376 42	376 47
1	376 63	376 43	376 47
1.5	376 64	376 44	376 47
2.5	376 66	376 45	376 47

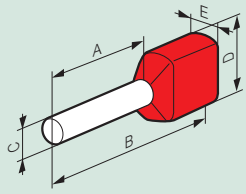
■ Dimensions (mm)

Simple ferrules



Cat. No.		Cross-section (mm²)	A	B	C	D
376 50		0.25	8	14.5	1.1	3
376 60		0.34	8	14.5	1.1	3
376 61	376 41	0.5	8	14.5	1.5	3.4
376 62	376 42	0.75	8	14.5	1.5	3.4
376 63	376 43	1	8	14.5	1.7	3.6
376 64	376 44	1.5	8	14.5	2	4.1
376 66	376 45	2.5	8	14.5	2.6	4.8
376 67		4	12	21	3.2	5.7
376 68		6	12	23	3.9	7.2
376 69		10	12	21	4.9	8.1
376 70		16	18	29	6.3	9.8
376 71		25	18	31	7.9	12
376 77		35	18	32	8.9	13.5
376 78		50	20	36	11.1	16.1

Double ferrules



Cat. No.	Cross-section (mm²)	A	B	C	D	E
376 87	2 x 0.75	8	15	2.1	6	3.3
376 88	2 x 1	8	15	2.35	6	4
376 89	2 x 1.5	8	16	2.6	7.2	4.2
376 90	2 x 2.5	10	18.5	3.3	8.4	4.8

■ Example of use

Starfix tool

1. Fit the applicator

2. Adjust

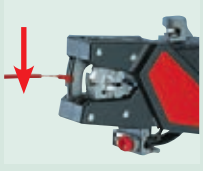
The 2-material handle gives an excellent grip

3. Insert the wire

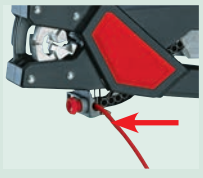
4. Crimp

Starfix S tool

1. Adjust the cross-section



2. Strip and twist



3. Crimp

CAB 3™ marking system

Markers for wiring and Viking 3 terminal blocks

Perfect alignment of label holders

382 12

Terminal block with CAB 3 markers and label-holders

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
- Upper 2.5 mm²: strips of 20 markers
Price per marker

Pack		0.15 to 0.5mm²	0.5 to 1.5mm²
1000	1200	381 00	382 10
1000	1200	381 01	382 11
1000	1200	381 02	382 12
1000	1200	381 03	382 13
1000	1200	381 04	382 14
1000	1200	381 05	382 15
1000	1200	381 06	382 16
1000	1200	381 07	382 17
1000	1200	381 08	382 18
1000	1200	381 09	382 19
300		381 10	383 00
300		381 11	383 01
300		381 12	383 02
300		381 13	383 03
300		381 14	383 04
300		381 15	383 05
300		381 16	383 06
300		381 17	383 07
300		381 18	383 08
300		381 19	383 09
300		381 20	383 10
300		381 21	383 11
300		381 22	383 12
300		381 23	383 13
300		381 24	383 14
300		381 25	383 15
300		381 26	383 16
300		381 27	383 17
300		381 28	383 18
300		381 29	383 19
300		381 30	383 20
300		381 31	383 21
300		381 32	383 22
300		381 33	383 23
300		381 34	383 24
300		381 35	383 25
300		381 40	382 70
300		381 41	382 71
300		381 42	382 72
300		381 43	382 73
300		381 44	382 74
300		381 45	382 75
300		381 46	382 76

Digits: international colour code

0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Grey
9	White

381 06

Letters: black on yellow background

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

383 17

381 28

Conventional symbols: black on yellow background

/ • + – ~ ⎓ ⏚

382 72

381 43

Pack		1.5 to 2.5mm²	4 to 6mm²
1200	800	382 20	382 30
1200	800	382 21	382 31
1200	800	382 22	382 32
1200	800	382 23	382 33
1200	800	382 24	382 34
1200	800	382 25	382 35
1200	800	382 26	382 36
1200	800	382 27	382 37
1200	800	382 28	382 38
1200	800	382 29	382 39
300		383 30	383 60
300		383 31	383 61
300		383 32	383 62
300		383 33	383 63
300		383 34	383 64
300		383 35	383 65
300		383 36	383 66
300		383 37	383 67
300		383 38	383 68
300		383 39	383 69
300		383 40	383 70
300		383 41	383 71
300		383 42	383 72
300		383 43	383 73
300		383 44	383 74
300		383 45	383 75
300		383 46	383 76
300		383 47	383 77
300		383 48	383 78
300		383 49	383 79
300		383 50	383 80
300		383 51	383 81
300		383 52	383 82
300		383 53	383 83
300		383 54	383 84
300		383 55	383 85
300		382 80	382 90
300		382 81	382 91
300		382 82	382 92
300		382 83	382 93
300		382 84	382 94
300		382 85	382 95
300		382 86	382 96

Markers for wiring 1.5 to 2.5 mm² and 4 to 6 mm² cross-section

Pack:
- Up to 0.5 mm²: strips of 25 markers
From 0.5 mm² to 2.5 mm²: strips of 30 markers
- Upper 2.5 mm²: strips of 20 markers
Price per marker

Digits: international colour code

0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Grey
9	White

382 32

382 26

Letters: black on yellow background

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

383 46

383 79

Conventional symbols: black on yellow background

/ • + – ~ ⎓ ⏚

382 82 382 92

382 84 382 94

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

CAB 3™ marking system
Accessories

384 90

384 92

383 92 with markers CAB 3

382 00

383 97

StarFix Ferrules see (p. 178)

Pack	Cat. No.	Accessories CAB 3
		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, cross-section (mm²)
100	384 90	10 to 16
50	384 91	25 to 35
50	384 92	50 to 70
		Support for markers
100	383 92	Can be clipped on Viking 3 terminal blocks 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

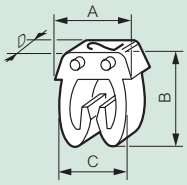
Pack	Cat. No.	For markers cross-section (mm²)	Applicator colour for identification of cross-section
10	383 94	0.15 to 0.5	CAB 3
10	383 95	0.5 to 1.5	CAB 3
10	383 96	1.5 to 2.5	CAB 3
10	383 97	4 to 6	CAB 3

		Set of markers
1	382 01	0.15 to 0.5 mm²: 2 500 markers + 10 applicators (250 digits from 0 to 9)
1	382 02	0.5 to 1.5 mm²: 3 000 markers + 10 applicators (300 digits from 0 to 9)
1	382 03	1.5 to 2.5 mm²: 3 000 markers + 10 applicators (300 digits from 0 to 9)
1	382 04	4 to 6 mm²: 2 000 markers + 10 applicators (200 digits from 0 to 9)
		On-site toolbox
1	382 00	With removable tray for CAB 3 markers and applicators, Starfix ferrules… Height 85 mm, depth 280 mm, width 450 mm Metal, padlockable

CAB 3™ marking system
For wiring and Viking 3 terminal blocks

■ Dimensions

Markers
Polyamide 6/6

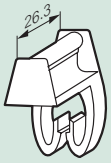


Dimensions	Cable cross-section (mm²) 0.15 to 0.5	0.5 to 1.5	1.5 to 2.5	4 to 6
A (mm)	5	5	5.6	8
B (mm)	5.05	6.4	7.6	9.6
C (mm)	3.7	4.3	4.9	7.1
D (mm)	2.3	3	3	3
Ø mini/maxi (mm)	0.8/2.2	2.2/3	2.8/3.8	4.3/5.3

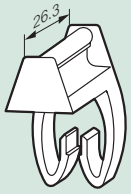
Cat. No. 381 50 to 381 55 et 381 60 to 381 65: no liking stud.
D = 6 mm

Marker holders

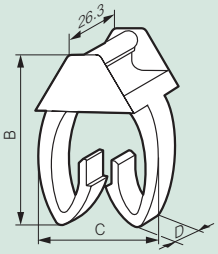
Cat.No 384 90



Cat.No 384 91

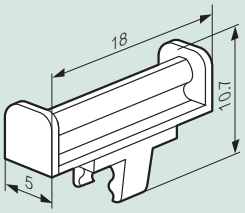


Cat.No 384 92

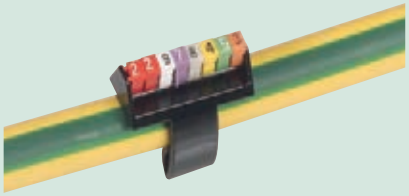


Dim.	Section of cable for marking (mm²) 10 to 16	25 to 35	50 to 70
A (mm)	18	24.3	27.2
B (mm)	8.9	12.2	17.2
C (mm)	7	7	10

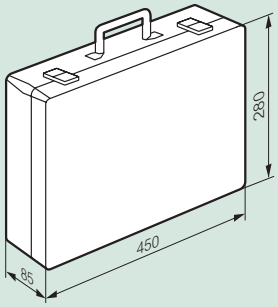
Support for markers Cat.No 383 92



On cable whith marker-holder Cat.No 384 92



■ Characteristics and dimensions of on-site toolbox
Cat.No 382 00



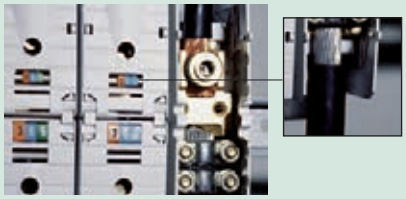
Bottom tray consists of:
- 8 medium slots (each slot takes 1 box of CAB 3)
- 1 large slot

Top tray consists of:
- 12 small slots (<=> approx. 6 boxes of CAB 3)
- 1 medium slot for applicators

Capacity: approx. 15000 CAB 3 markers

On terminal blocks with support Cat.No 383 92

On power terminal blocks



Memocab™ marking system
For wiring

377 12 fixed with Colring cable tie

379 91

379 92

379 89

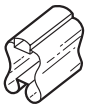
379 93

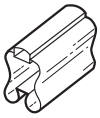
379 99

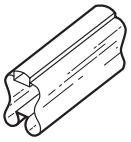
Marking system with closed ring
High resistance in very aggressive environments

Marker-holders for wiring

Pack	Cat. No.	Section (mm²) min.	Section (mm²) max.	Ø (mm) min.	Ø (mm) max.
		Length of marking: 15 mm (6 markers)			
1000	379 30	0.25	1.5	1.3	3.5
1000	379 31	0.75	4	2.3	4.8
500	379 32	4	16	4.2	7.6
		Length of marking: 18 mm (7 markers)			
1000	379 36	0.25	1.5	1.3	3.5
1000	379 37	0.75	4	2.3	4.8
500	379 38	4	16	4.2	7.6
500	379 33	16	50	7.6	12.5
200	379 34	50	95	12.5	19
100	379 35	95	300	19	29.5
		Length of marking: 30 mm (12 markers)			
500	379 40	0.25	1.5	1.3	3.5
500	379 41	0.75	4	2.3	4.8
200	379 42	4	16	4.2	7.6
200	379 43	16	50	7.6	12.5
		Length 500 mm (to be cut)			
10	379 44	0.75	4	2.3	4





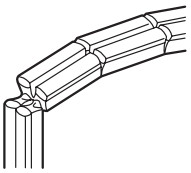


Marker-holders for simultaneous marking of both ends

Pre-cut label holders in rolls

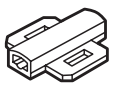
Length of marking: 18 mm (7 markers)

Pack	Cat. No.	Section (mm²) min.	Section (mm²) max.	Ø (mm) min.	Ø (mm) max.
1000	379 20	0.25	1.5	1.3	3.5
1000	379 21	0.75	4	2.3	4.8
500	379 22	4	16	4.2	7.6
500	379 10	0.25	1.5	1.3	3.5
500	379 11	0.75	4	2.3	4.8



Marker-holders for cables

Pack	Cat. No.	
		Fixing with Colring cable ties
100	377 12	Length of marking: 20 mm (8 markers or 1 marker Logicab 2 Cat.No 385 05)

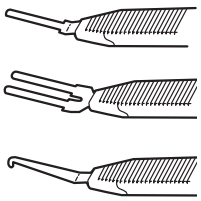


Marker-holders for all devices

Pack	Cat. No.	
		Length of marking: 17.5 mm (7 markers)
100	377 10	Adhesive

Accessories

Pack	Cat. No.	
		Double dispenser board
1	379 91	For 48 strips of markers (supplied empty)
		Selecting prong For selecting the markers and placing them in the label holder
10	379 90	For 30 mm marker holders
10	379 92	For 15 mm marker holders
10	379 89	Double for 30 or 18 mm marker holders (for simultaneous marking of both ends)
		Extractor
10	379 93	For 15 mm marker holders



Marking kit to use on site

Pack	Cat. No.	
1	379 99	**Composition** • 1 dispenser board Cat.No 379 91 • 2 selecting prongs Cat. No. 379 90/92 • 1 extractor Cat.No 379 93 • 50 label holders (0.25 - 1.5mm) • 50 label holders (0.75 - 4mm) • 20 label holders (4 - 16mm)
1	379 94	**Composition** Same as 379 99 plus: complete with markers 0 to 9, A to Z and symbols • 1 selecting prong Cat.No 379 89 • 4 strips 0 - 9 (96) • 1 strip A - Z (24) • 1 strip symbols (24) Cat. No. 379 94 also referred to as Cat. No. 379 999 previous to 2006

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Memocab™ marking system
For wiring (continued)

378 01 to 378 10

378 05 + 2 x 378 06 + 378 01 + 378 10 + 378 09 + 378 08 in a label holder Cat.No 379 38

Pack	Cat. No.	Markers	
		Numbers on colour background	
		Black or white marking (international colour code)	
600	378 01	Purple	7
600	378 02	Orange	3
600	378 03	White	9
600	378 04	Grey	8
600	378 05	Green	5
600	378 06	Yellow	4
600	378 07	Brown	1
600	378 08	Blue	6
600	378 09	Black	0
600	378 10	Red	2
		Numbers on white background	
		Black marking	
600	377 80	0	
600	377 81	1	
600	377 82	2	
600	377 83	3	
600	377 84	4	
600	377 85	5	
600	377 86	6	
600	377 87	7	
600	377 88	8	
600	377 89	9	
		Capital letters	
		Black marking on white background	
240	378 26	A	
240	378 27	B	
240	378 28	C	
240	378 29	D	
240	378 30	E	
240	378 31	F	
240	378 32	G	
240	378 33	H	
240	378 34	I	
240	378 35	J	
240	378 36	K	
240	378 37	L	
240	378 38	M	
240	378 39	N	
240	378 40	O	
240	378 41	P	
240	378 42	Q	
240	378 43	R	
240	378 44	S	
240	378 45	T	
240	378 46	U	
240	378 47	V	
240	378 48	W	
240	378 49	X	
240	378 50	Y	
240	378 51	Z	
		Conventional symbols	
		Black marking on white background	
240	379 54	/	
240	379 55	•	
240	379 56	+	
240	379 57	–	
240	379 58	∿	
240	379 59	⎓	
240	379 60	⏚	

378 06

377 85

378 30

379 56

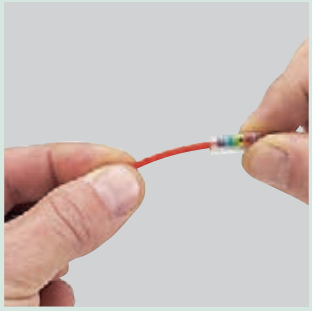
Memocab™ marking system
For wiring

■ Installation

1. Simultaneous marking of both ends

2. Use of double selecting prong

3. Installation in double marker-holder



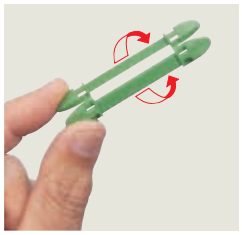
The double strip can be used on site, where each marker-holders of both side will be placed on conductors

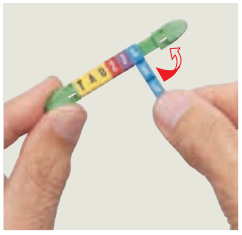
Duplix™ marking system
For cables

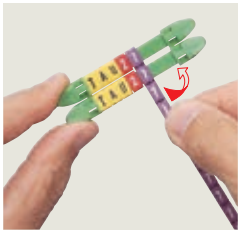
Cat. No. 384 52 with label and label-holder Cat. No. 384 98

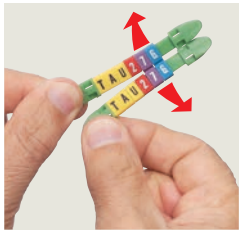
Cat.No 384 56 with marker and protective cover Cat.No 384 97

Opened marking system with marker-holders Cat.No 384 55



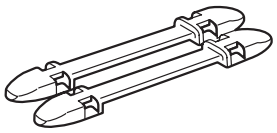




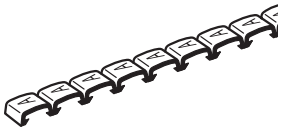

Clip-on marking system

Opened or closed marking system, with markers or labels

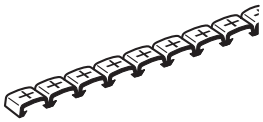
Pack	Cat. No. 7 markers	Cat. No. 14 markers	Marker-holders
			Fitted using Colring 2.4 and 3.5 mm cable ties
100	384 50	384 60	● Black
100	384 52	384 62	● Red
100	384 54	384 64	● Yellow
100	384 55	384 65	● Green
100	384 56	384 66	● Blue



Pack	Cat. No.	Markers
		Price per marker
		Numbers: Black or white marking on colour background (international colour code) Supplied by packs of 40 x 20 markers
800	384 00	0 Black
800	384 01	1 Brown
800	384 02	2 Red
800	384 03	3 Orange
800	384 04	4 Yellow
800	384 05	5 Green
800	384 06	6 Blue
800	384 07	7 Purple
800	384 08	8 Grey
800	384 09	9 White
		Letters: Black on yellow background Supplied by packs of 30 x 20 markers
600	384 10	A
600	384 11	B
600	384 12	C
600	384 13	D
600	384 14	E
600	384 15	F
600	384 16	G
600	384 17	H
600	384 18	I
600	384 19	J
600	384 20	K
600	384 21	L
600	384 22	M
600	384 23	N
600	384 24	O
600	384 25	P
600	384 26	Q
600	384 27	R
600	384 28	S
600	384 29	T
600	384 30	U
600	384 31	V
600	384 32	W
600	384 33	X
600	384 34	Y
600	384 35	Z



Pack	Cat. No.	Markers (continued)
		Conventional symbols: Black on a yellow background
600	384 40	/
600	384 41	•
600	384 42	+
600	384 43	–
600	384 44	∿
600	384 45	⎓
600	384 46	⏚
600	384 99	Blank
		Set of Duplix markers
1	384 96	100 pieces of each number from 0 to 9



Pack	Cat. No.	Accessories
100	384 98	**Label-holder for 7 markers** Clips onto marker-holders Duplix or on end cap Cat. No. 375 13
100	384 97	**UV protective cover** Enables closed cable marking system Clips onto label-holders for 7 markers

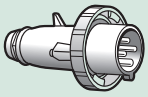
On-site toolbox (p. 181)

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Notes

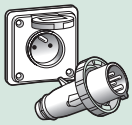
IEC Industrial plugs & sockets

Tempra



P. 188
P17 Tempra
IP 44
LV 16 to 32 A

Hypra™

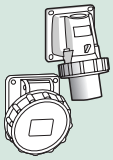


P. 190
IP44 Industrial
plugs & sockets

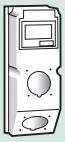
Straight plug
(p. 190)

Socket
with switch
Combined unit
(p. 192)

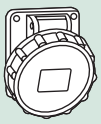
Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list



P. 191
IP66/67 industrial plugs and sockets



P. 192
IP66/67
Combined units



P. 192
IP66/67
Refrigerated container units

P 17 Tempra IP 44 - ELV 16 and 32 A

Sockets, plugs, mobile sockets, appliance inlets

555 53

573 54

574 34

575 14

575 84

Technical characteristics (p. 189)

Surface mounting sockets

Closing without screws

200/250 V~

2P+E

Pack	Cat.No. 16 A	Cat.No. 32 A
10	555 53	555 73

Panel mounting sockets inclined outlet

Can be fixed on plain faceplates or pre-drilled and on flush mounting boxes

200/250 V~

2P+E

Pack	Cat.No. 16 A	Cat.No. 32 A
10	576 11	576 12

Panel mounting sockets straight outlet small flange

Can be fixed only on plain faceplates Cat.Nos 577 15/16

200/250 V~

2P+E

Pack	Cat.No. 16 A
5	573 54

Straight plugs

Cable clamping and closing without screws

200/250 V~

2P+E

Pack	Cat.No. 16 A	Cat.No. 32 A
10	574 34	581 34

Mobile sockets

Cable clamping and closing without screws

200/250 V~

2P+E

Pack	Cat.No. 16 A	Cat.No. 32 A
10	575 14	582 14

Appliance inlets

200/250 V~

2P+E

Pack	Cat.No. 16 A	Cat.No. 32 A
5	575 84	582 84

For 480/500 V devices, please consult us

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

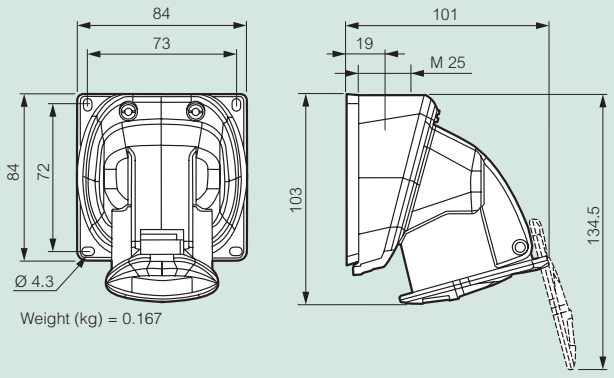
P 17 Tempra IP 44 - ELV 16 and 32 A

■ 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

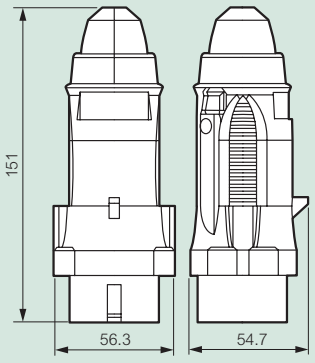
■ Dimensions

Surface mounting sockets (p. 188)
Cat.Nos 552 06/56



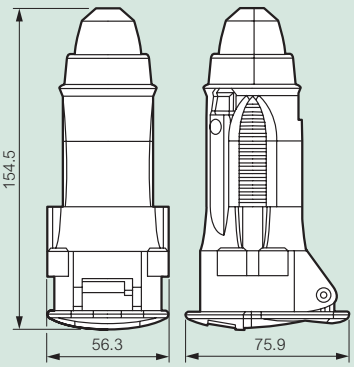
Weight (kg) = 0.167

Straight plugs (p. 188)



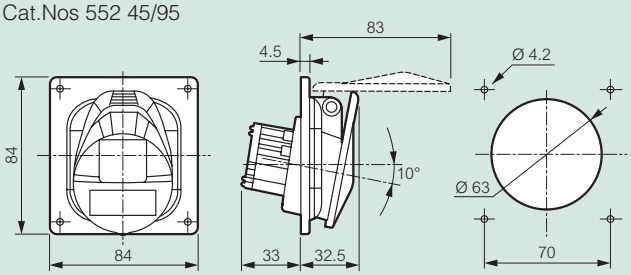
Weight (kg) = 0.132

Mobile sockets (p. 188)

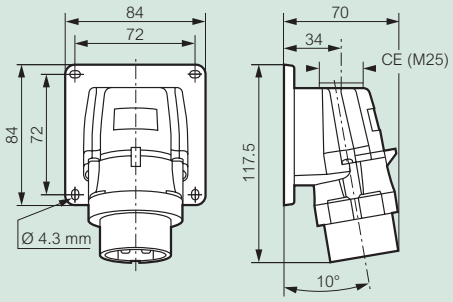


Weight (kg) = 0.16

Panel mounting sockets (p. 188)
Cat.Nos 552 45/95



Appliance inlets (p. 188)
Cat.Nos 552 41/91



Hypra® IP 44 sockets and plugs IP 44/55 Prisinter

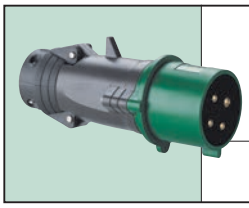
LV 16 to 32 A

Conform to IEC 60309-1 and IEC 60309-2
IP 44 according to IEC 60529
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. 193 to 199)

			Functions										
			Prisinter (2)		Panel mounted sockets	Surface mounting sockets	Through wiring surface mounting sockets	Straight plugs	Angled plugs	Mobile Sockets	Panel appliance inserts	Surface appliance inserts
			Panel mounting Sockets	Surface mounting Sockets	with single fixing centres							
			plastic	plastic		plastic	plastic	plastic	plastic	plastic	plastic	plastic
200 to 250 V~ 50/60 Hz	16 A	2P+E	520 02	520 02 + 520 49	520 18(1)	520 22(1) + 520 29(1)	520 22(1) + 520 89	520 42(1)	520 62(1)	520 82	521 72	521 72 + 520 79
	32 A	2P+E	527 02	527 02 + 529 49	527 18	527 18 + 529 40	527 18 + 529 90	527 42	527 62	527 82	528 72	528 72 + 529 79
380 to 415 V~ 50/60 Hz	16 A	3P+E	522 03	522 03 + 520 49	522 19(1)	522 23(1) + 522 29(1)	522 23(1) + 522 89	522 43(1)	522 63(1)	522 83(1)	521 73	521 73 + 522 79
		3P+N+E	522 04	522 04 + 522 49	522 20	522 24(1) + 522 29(1)	522 24(1) + 522 89	522 44(1)	522 64	522 84	521 74	521 74 + 522 79
	32 A	3P+E	529 03	529 03 + 529 49	529 19	529 19 + 529 40	529 19 + 529 90	529 43(1)	529 63	529 83(1)	528 73	528 73 + 529 79
		3P+N+E	529 04	529 04 + 529 49	529 20	529 20 + 529 40	529 20 + 529 90	529 44(1)	529 64	529 84	528 74	528 74 + 529 79

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



Special voltages and frequencies 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. 194 to 199)

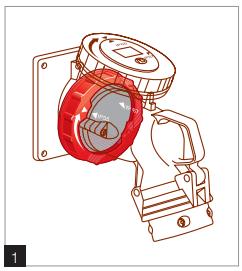
LV			FUNCTIONS										
			Panel mounting sockets		Surface mounting sockets	Through wiring surface mounting sockets	Straight plugs	Angled plugs	Mobile sockets	Surface appliance inlets	Straight panel appliance inlets	Socket with break isolating switch
			inclined outlets	with single fixing centres								
200 to 250 V~ 50/60 Hz	16 A	2P+E	511 26(1)	511 46	511 26 + 520 29(1)	511 26 + 520 89	511 56(1)	511 06	511 76	511 86	-	-
	32 A	2P+E	-	530 46	530 46 + 529 40	530 46 + 529 90	530 56	530 06	530 76	530 86	-	-
	63 A	2P+E	593 26	-	593 36	-	593 46	-	593 86	593 76	-	-
	63 A	3P+E	593 27	-	593 37	-	593 47	-	593 87	-	-	-
380 to 415 V~ 50/60 Hz	16 A	3P+E	511 30	511 50	511 30 + 522 29(1)	511 30 + 522 89	511 60(1)	511 10	511 80	511 90	-	-
		3P+N+E	511 31	511 51	511 31 + 522 29(1)	511 31 + 522 89	511 61(1)	511 11	511 81	511 91	-	-
	32 A	3P+E	-	530 50	530 50 + 529 40	530 50 + 529 90	530 60	530 10	530 80	530 90	-	-
		3P+N+E	-	530 51	530 51 + 529 40	530 51 + 529 90	530 61	530 11	530 81	530 91	-	-
	63 A	3P+E	594 27	-	594 37	594 27 + 538 89	594 47	-	594 87	-	594 77(2)	-
		3P+N+E	594 28	-	594 38	594 28 + 538 89	594 48	-	594 88	-	594 78(2)	-
	125 A	3P+E	595 12	-	595 02	-	595 22	-	595 32	-	595 42	591 14
		3P+N+E	595 13	-	595 03	-	595 23	-	595 33	-	595 43	591 15

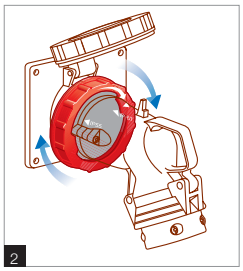
Pack = 1 except (1) pack = 5
(2) Can be fixed on Cat.No 538 89 to obtain a straight surface mounting appliance inlet
(3) With a pair of Hypra IP 66/67-55 products

Hypra® IP 66/67-55

1. When connected (1), IP 55 guaranteed with the cover closed
2. IP 66/67 obtained with the ring locked
3. When not connected IP 55 automatically assured when cover is closed IP 66/67 obtained with the ring locked

(1) With a pair of IP 66/67-55 products


1


2

3

For Quantum Range – AS/NZS plug and socket configuration
See HPM catalogue section 18

Hypra® IP 66/67-55 combined units

Surface mounting 16A, 32A and 63A

Socket outlets Conform to IEC 60309-1 / IEC 60309-2					
			Socket with switch[3]	Socket with switch [3] + MCB "C" Curve	Socket with switch [3] + RCBO 30mA AC type
			Plastic	Plastic	Plastic
200 to 250V	16A	2P + E	592 60	596 61	596 51
	32A	2P + E	592 63	596 65	596 55
380 to 415V	16A	3P + E	592 61	596 62	596 52
		3P + N + E	592 62	596 63	596 53
	32A	3P + E	592 64	596 67	596 57
		3P + N + E	592 65	596 68	596 58
	63A	3P + E	592 66	596 69	596 59 [2]
		3P + N + E	592 67	596 70	596 81 [1]

Hypra® IP 66/67-55 refrigerated container units

32A

Conforms to IEC 60309-2 3 hour 32A 440V~ - 50-60Hz Material: Polyamide 6 Self-extinguishing: 850 C Temperature rating: -15 C to +40 C ISO entries: M25 (59695) Double mechanical interlock (59695)							
			Socket with switch	Panel mounting sockets	Straight plugs	Mobile sockets	Surface Appliance inlets
380-415	32A	3P + E	596 95	529 26	529 46	529 86	529 36

(1) With RCD 30mA - 63A - AC
(2) With MCB and add-on RCD module 30mA - 63A "AC" (63A) "C"
(3) Earth position at 6 o'clock

earth position at 3 o' clock for cat. no. 596 95

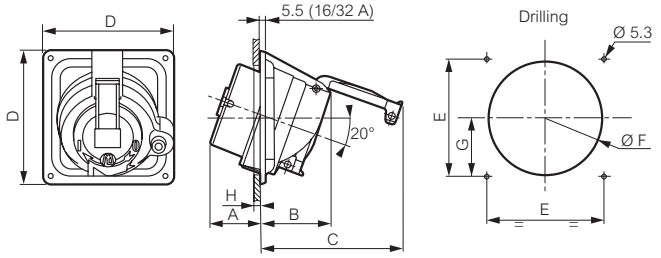
For Quantum Range – AS/NZS plug and socket configuration
See HPM catalogue section 18

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Hypra® IP 44 and IP 44/55 Prisinter™
LV 16 to 32 A

■ Prisinter - panel mounting sockets - LV 16-32 A (p. 190)

Terminal connection (max.)
BT 16 A : rigid - 1 x 4 mm²
BT 32 A : rigid - 1 x 10 mm²
Prisinter sockets 32 A : flexible - 1 x 6 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 housing
- 50 ° C à + 100 ° C (- 20 ° C pour les 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)



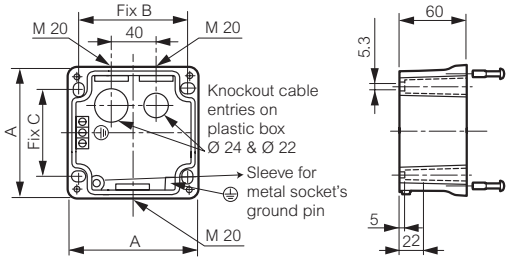
	Material	Weight (kg)	A	B	C	D	E	F min	F max	G	H max
16 A											
2P+E	Plastic	0.42	46	70	132	115	100	92	98	46	6 to 10
	Metal	1.25									
3P+E	Plastic	0.48	46	70	138	115	100	92	96	46	6 to 10
	Metal	1.33									
3P+N+E	Plastic	0.57	46	75	156	125	110	102	106	51.5	7
	Metal	1.47									
32 A											
2P+E	Plastic	0.57	54	77	153	143	125	115	122	58.5	10 to 20
	Metal	1.47									
3P+E	Plastic	0.61	54	77	153	143	125	115	122	58.5	10 to 20
	Metal	1.5									
3P+N+E	Plastic	0.65	55	79	169	143	125	119	122	58.5	9 to 13
	Metal	1.8									

Breaking capacity 3 x 400 V~ according to IEC 60947-1-3

Category	16 A	32 A
AC 1	16 A	32 A
AC 23	8.4 kW	16.8 kW
AC 3		

■ Reversible box for Prisinter sockets

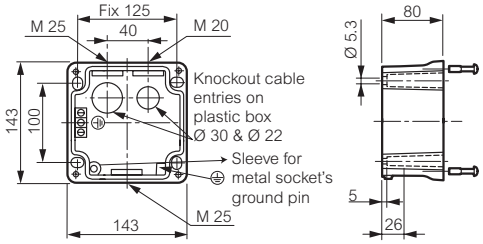
LV 16 A (p. 190)



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	0.14	115	97	78
3P+E	Metal	0.8			
3P+N+E	Plastic	0.16	125	107	88
	Metal	0.9			

LV 32 A (p. 190)



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

Hypra IP 44, IP 66/67-55 panel mounting sockets

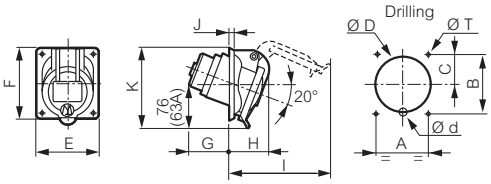
LV 16 to 125 A

■ Dimensions

IP 44 - LV 16 to 32A (p. 190)

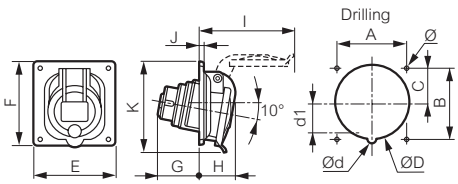
External screws in stainless steel - Nickel-plated contacts
Enable realization of surface mounting sockets, associated with reversible box

Terminal connection (max.):
- LV 16 A: 1 x 4 mm² rigid
- LV 32 A: 1 x 10 mm² rigid



	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

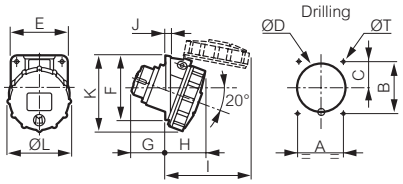
IP 44 - LV 16 and 32 A with single fixing centres (p. 190)



	Weight (kg)	A	B	C	D	d	d1	E	F	G	H	I	J	K	
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. 191)

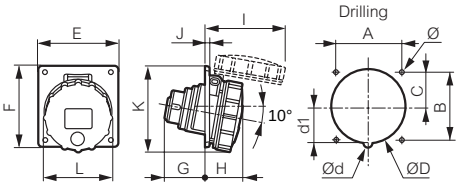
External screws in stainless steel - Nickel-plated contacts
Terminal connection (max.): 1 x 4 mm² rigid or flexible



	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 16 and 32 A with single fixing centres (p. 191)

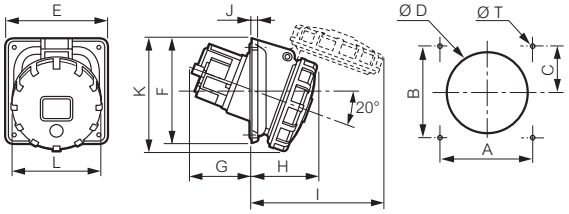
Terminal connection (max.):
- 16 A: 1 x 4 mm² rigid
- 32 A: 1 x 10 mm² rigid



	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

IP 66/67-55 - LV 63 and 125 A (p. 191)

Terminal connection (max.):
- 63 A: 1 x 25 mm² rigid
- 125 A: 1 x 70 mm² rigid



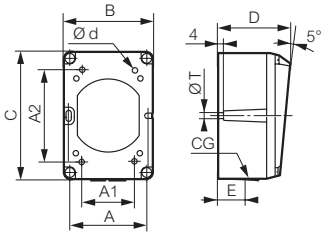
	Weight (kg)	Drilling					Dimensions							
		A	B	C	ØD	ØT	E	F	G	H	I	J	K	ØL
LV - 63 A														
2P+E	0.680													
3P+E	0.710	77	85	42.5	92	6.5	106	106	85	79	158	6	127	113.5
3P+N+E	0.770													
LV - 125 A														
3P+E	1.400	124	124	62	120	6.5	146	146	84	96	190	8	165	146
3P+N+E	1.550													

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Hypra® IP 44, IP 66/67-55 surface mounting sockets reversible box
LV 16 to 63 A

■ Dimensions

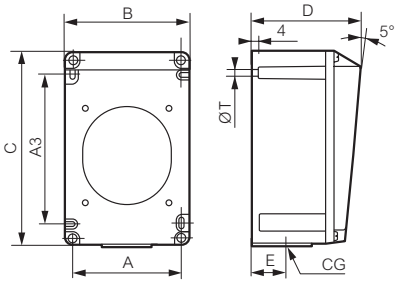
IP 44, IP 66/67-55 - LV 16 A (p. 190 - 191)



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 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. 190 - 191)



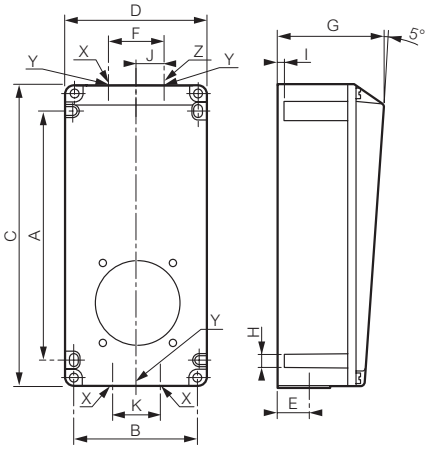
Blind optional fixing points
Metal boxes fitted with
- 2 connected earth terminals and 1 outside terminal
- 1 sleeve for metal socket's ground pin

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 32 A, IP 66/67-55 - LV 16 and 32 A, IP 66/67 - LV 63 A (p. 190 - 191)

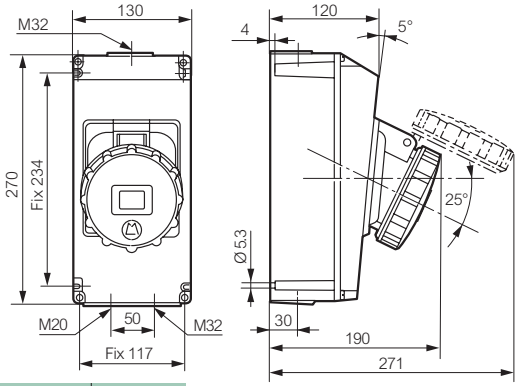


Plastic boxes fitted with 2 connected earth terminals
Metal boxes fitted with
- 2 connected earth (16/32 A) terminals and 1 outside terminal
- 1 sleeve for metal socket's ground pin
- 3 connected earth (63 A) terminals

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															

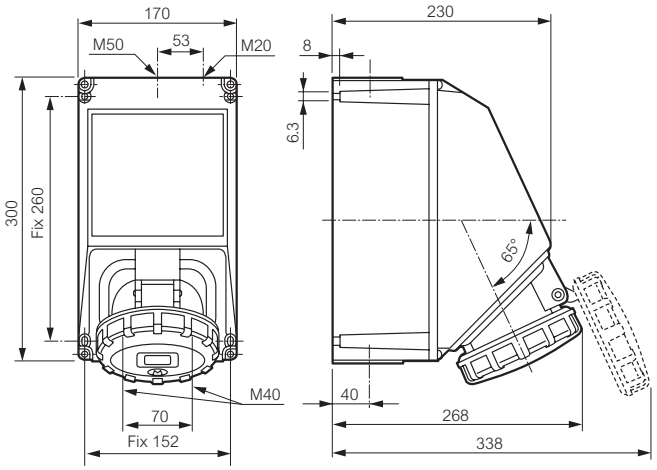
Hypra IP 66/67-55 - surface mounting sockets

IP 66/67-55 - LV 63 A (p. 191)



	Weight (kg)
2P+E	1.500
3P+E	1.550
3P+N+E	1.600

IP 66/67-55 - LV 125 A (p. 191)
Terminal connection: 1 x 70 mm² rigid max.



	Weight (kg)
3P+E	3.5
3P+N+E	3.7

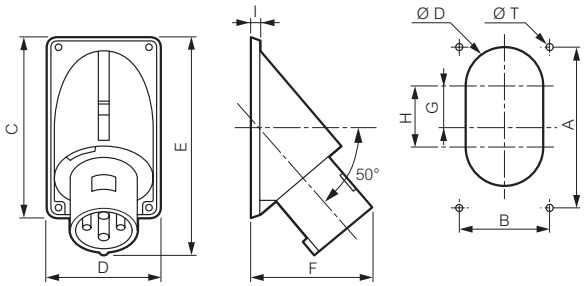
Hypra IP 44 - panel appliance inlets and reversible boxes

External screws in stainless steel - Nickel-plated contacts

■ Panel appliance inlets (inclined)

IP 44: LV 16, 32 A (p. 190)

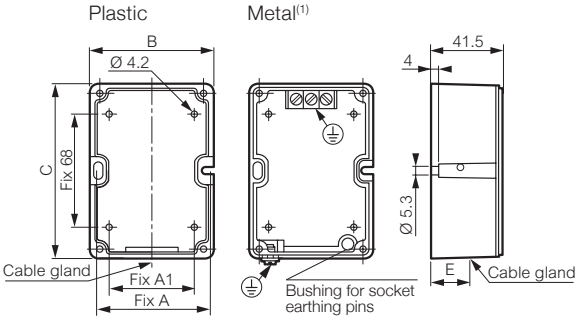
Terminal connections:
- 16 A: 1 x 2.5 mm² max. rigid
- 32 A: 1 x 6 mm² max. rigid



	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											

■ Reversible boxes for surface appliance inlets

LV 16 A (p. 190)



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						

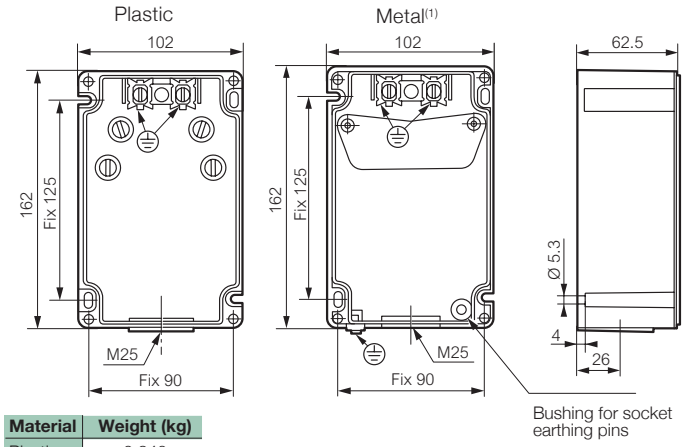
(1) Metal on request

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

Hypra® IP 44 and IP 66/67-55 - appliance inlets and reversible boxes

LV 32 A (p. 190)

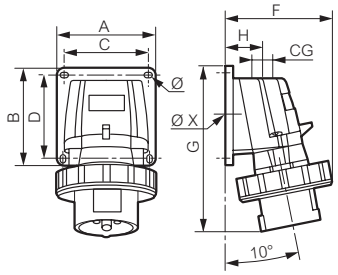
Fitted with 2 connected earth terminals and 1 outside terminal on metal box



Material	Weight (kg)
Plastic	0.240
Metal	0.650

■ Surface mounting appliance inlets

IP 66/67-55 - LV 16 and 32 A (p. 191)
Terminal connections:
- 16 A: 1 x 2.5 mm² max. rigid
- 32 A: 1 x 6 mm² max. rigid



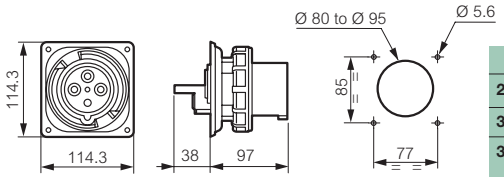
	Weight	A/B	C/D	F	G	H	CG cable gland	Ø	ØX
16 A									
2P + E	0.188	84	72	87	126	34	M 20	4.3	17
3P + E	0.257			95	134				
3P+N+ E	0.297			100	141				
32 A									
2P + E	0.370	110	98	107	168	39	M 25	5.3	24
3P + E									
3P+N+ E	0.413			113					

Hypra® IP 66/67-55 - appliance inlets and sockets with break isolating switch

■ Panel mounting appliance inlets

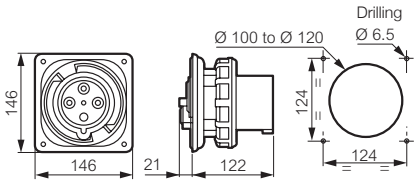
External screws in stainless steel - Nickel-plated contacts

IP 66/67-55 - 63 A (p. 191)
Can be fixed on box Cat. No. 538 89
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. 161)
Terminal connection: 1 x 50 mm² max. rigid

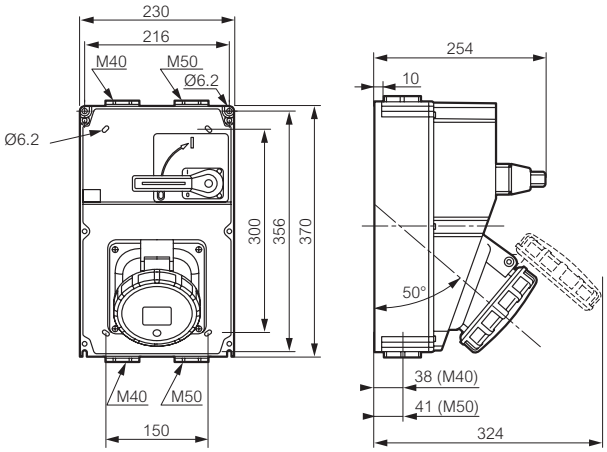


	Weight (kg)
3P+E	1.00
3P+N+E	1.15

■ Socket with break isolating switch

IP 66/67-55 - LV 125 A (p. 191)

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



(1) Metal on request

Hypra IP 44 and IP66/67-55 straight and angled plugs
LV 16 to 125 A

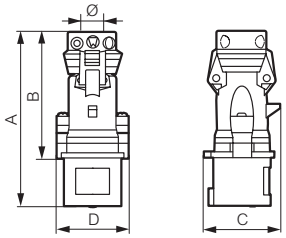
■ Characteristics

External screws in stainless steel - Nickel-plated contacts
Terminal connection:
- LV 16 A: 1 x 2.5 mm² max. flexible
- LV 32 A: 1 x 6 mm² max. flexible
- LV 63 A: 1 x 16 mm² max. flexible
- LV 125 A: 1 x 50 mm² max. flexible

■ Dimensions

Straight plugs IP 44

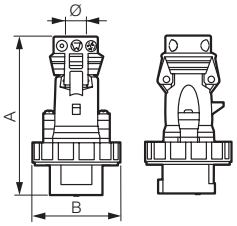
LV 16/32 A (p. 190)



	Material	Weight (kg)	Dimensions (mm) A	B	C	D	Ø clamping and grip
LV 16 A							
2P+E	Plastic	0.150	135	100	57	55	8 to 15
	Metal	0.365					
	Rubber	0.205	135	100	60	61	8 to 15
3P+E	Plastic	0.175	139	103	65	60	8 to 15
	Metal	0.425					
	Rubber	0.260	139	103	68	66	8 to 15
3P+N+E	Plastic	0.210	154	118	73	66	10 to 18
	Metal	0.535					
	Rubber	0.300	154	118	77	72	10 to 18
LV 32 A							
2P+E	Plastic	0.260	164	119	78	70,5	10 to 18
	Metal	0.645					
	Rubber	0.360	164	119	81	76,5	10 to 18
3P+E	Plastic	0.260	164	119	78	70,5	12 to 22
	Metal	0.645					
	Rubber	0.360	164	119	81	76,5	12 to 22
3P+N+E	Plastic	0.300	170	125	86	77	12 to 22
	Metal	0.685					
	Rubber	0.415	170	125	89	83	12 to 22

Straight plugs IP 66/67-55

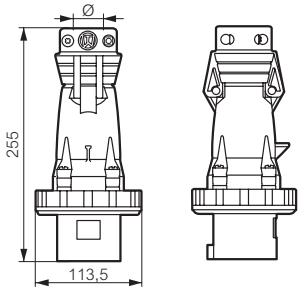
LV 16/32 A (p. 191)



	Weight (kg)	Dimensions (mm) A	B	Ø clamping and grip
16 A				
2P+E	0.165	135	72.5	8 to 15
3P+E	0.195	139	81	8 to 15
3P+N+E	0.220	154	86.5	10 to 18
32 A				
2P+E	0.280	164	94.5	10 to 18
3P+E	0.280	164	94.5	12 to 22
3P+N+E	0.325	170	101	12 to 22

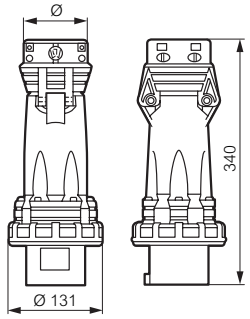
Straight plugs IP 66/67-55

LV 63 A (p. 191)



	Weight (kg)	Ø clamping and grip
2P+E	0.620	16 to 26
3P+E	0.680	18.5 to 29
3P+N+E	0.750	20.5 to 32

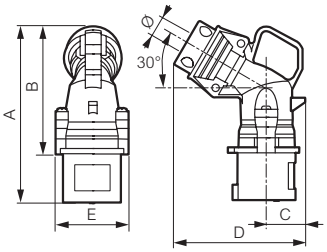
LV 125 A (p. 191)



	Weight (kg)	Ø clamping and grip
3P+E	1.5	24 to 48
3P+N+E	1.7	28 to 48

Angled plugs IP 44

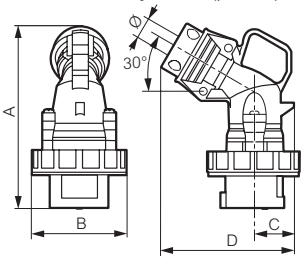
LV 16 and 32 A (p. 190)



	Material	Weight (kg)	Dimensions (mm) A	B	C	D	E	Ø clamping and grip
LV 16 A								
2P+E	Plastic	0.145	136	100	29.5	100	55	8 to 15
	Metal	0.395						
	Rubber	0.230	136	100	29.5	100	61	8 to 15
3P+E	Plastic	0.185	141	105	33.5	105	60	8 to 15
	Metal	0.455						
	Rubber	0.290	141	105	33.5	105	66	8 to 15
3P+N+E	Plastic	0.220	150	114	37.5	114	66	10 to 18
	Metal	0.585						
	Rubber	0.330	150	114	37.5	114	72	10 to 18
LV 32 A								
2P+E	Plastic	0.275	161	116	39.5	116	70.5	10 to 18
	Metal	0.745						
	Rubber	0.390	161	116	39.5	116	76.5	10 to 18
3P+E	Plastic	0.275	161	116	39.5	116	70.5	12 to 22
	Metal	0.745						
	Rubber	0.390	161	116	39.5	116	76.5	12 to 22
3P+N+E	Plastic	0.320	167	122	44.5	122	77	12 to 22
	Metal	0.790						
	Rubber	0.435	167	122	44.5	122	83	12 to 22

Angled plugs IP 66/67-55

LV 16-32 A - plastic (p. 191)



	Weight (kg)	Dimensions (mm) A	B	C	D	Ø clamping and grip
16 A						
2P+E	0.165	136	72.5	29.5	100	8 to 15
3P+E	0.195	141	81	33.5	105	8 to 15
3P+N+E	0.220	150	86.5	37.5	114	10 to 18
32 A						
2P+E	0.280	161	94.5	39.5	116	10 to 18
3P+E	0.280	161	94.5	39.5	116	12 to 22
3P+N+E	0.325	167	101	44.5	122	12 to 22

Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

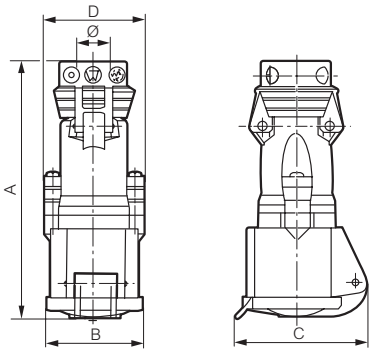
Hypra® IP 44, IP 66/67-55 mobile sockets

■ Characteristics

External screws in stainless steel - Nickel-plated contacts
Icc 10 kA according to IEC 60309-1

■ Dimensions

Mobile sockets IP 44 - LV 16 - 32 A (p. 190)
Terminal connections:
- LV 16 A: 1 x 2.5 mm² max. flexible
- LV 32 A: 1 x 6 mm² max. flexible

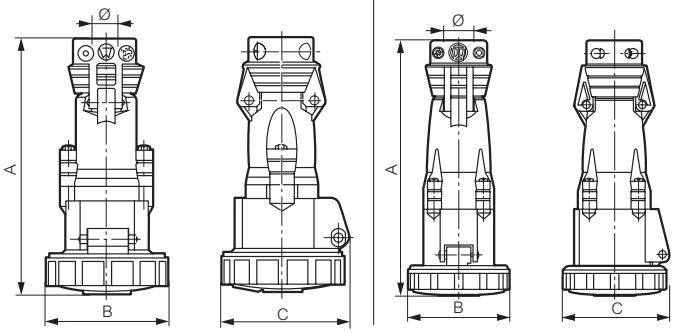


	Material	Weight (kg)	Dimensions (mm) A	B	C	D	Ø clamping and grip
LV 16 A							
2P+E	Plastic	0.170	147	54.5	74	55	8 to 15
	Rubber	0.250	147	58	74	61	8 to 15
3P+E	Plastic	0.200	151	61.5	81	60	8 to 15
	Rubber	0.285	151	65	81	66	8 to 15
3P+N+E	Plastic	0.245	172	69.5	90	66	10 to 18
	Rubber	0.335	172	72.5	90	72	10 to 18
LV 32 A							
2P+E	Plastic	0.300	177	71	93	70.5	10 to 18
	Rubber	0.400	177	74.5	93	76.5	10 to 18
3P+E	Plastic	0.300	177	71	93	70.5	12 to 22
	Rubber	0.400	177	74.5	93	76.5	12 to 22
3P+N+E	Plastic	0.350	183	77.5	100	77	12 to 22
	Rubber	0.475	183	80.5	100	83	12 to 22

Mobile sockets IP 66/67-55 (p. 191)

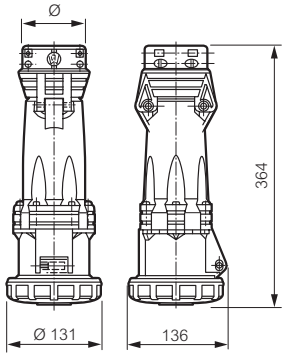
LV 16 - 32 A
Terminal connections:
- LV 16 A: 1 x 2.5 mm² max. flexible
- LV 32 A: 1 x 6 mm² max. flexible

LV 63 A
Terminal connection:
1 x 16 mm² max. flexible

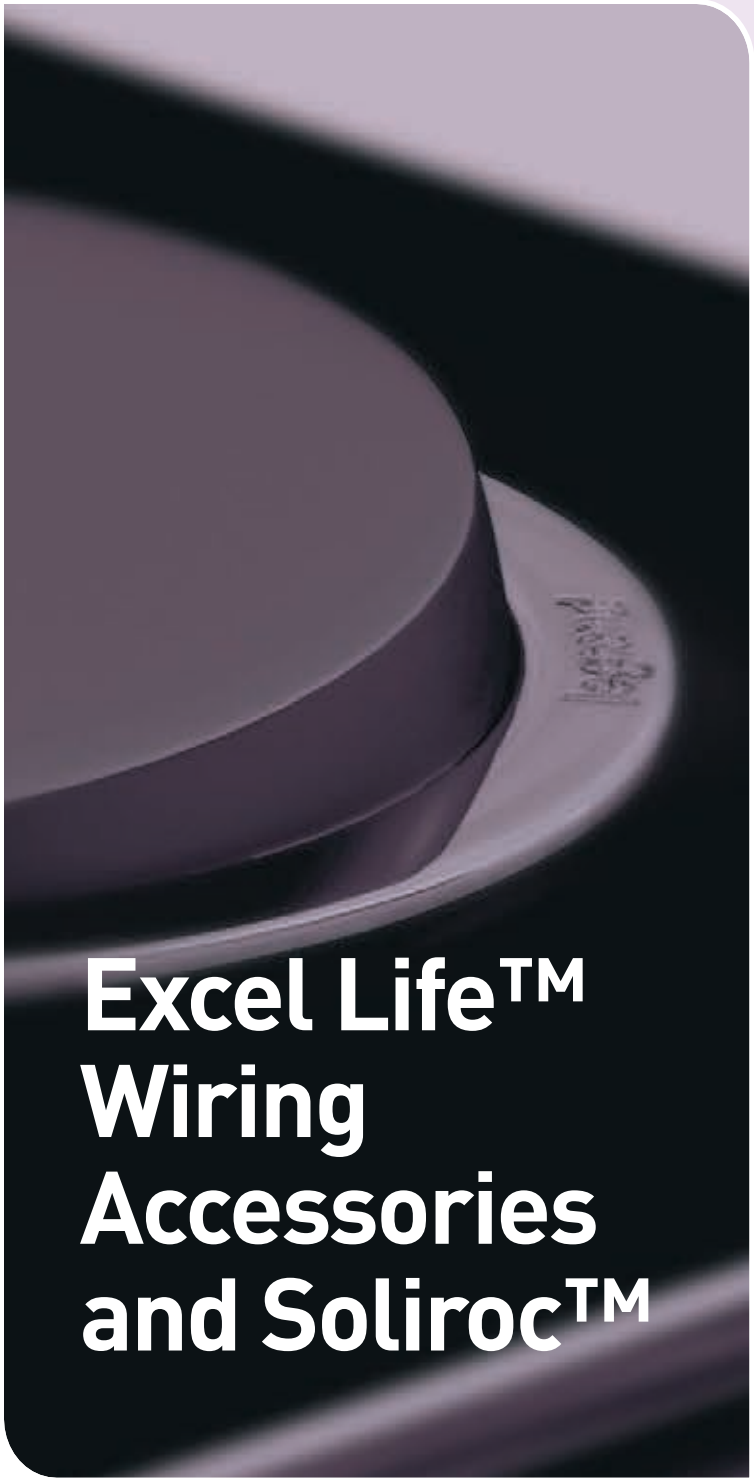


	Material	Weight (kg)	Dimensions A	B	C	Ø clamping and grip
LV 16 A						
2P+E	Plastic	0.180	150	72.5	75.5	8 to 15
3P+E	Plastic	0.215	154	81	86	8 to 15
3P+N+E	Plastic	0.275	169	86.5	89	10 to 18
LV 32 A						
2P+E	Plastic	0.320	179	94.5	99	10 to 18
3P+E	Plastic	0.320	179	94.5	99	12 to 22
3P+N+E	Plastic	0.375	185	101	105	12 to 22
LV 63 A						
2P+E	Plastic	0.780	278	113.5	119	16 to 26
3P+E	Plastic	0.850	278	113.5	119	18.5 to 29
3P+N+E	Plastic	0.910	278	113.5	119	20.5 to 32

LV 125 A (p. 191)
Terminal connection: 1 x 50 mm² max. flexible



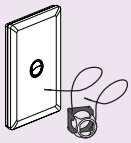
	Weight (kg)	Ø clamping and grip
125 A		
3P+E	1.8	24 to 48
3P+N+E	2.0	28 to 48



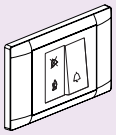
Excel Life™ Wiring Accessories and Soliroc™

Excel Life™

P. 202
Excel Life™ switches

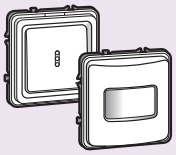


P. 214
Excel Life™ LED illumination kits



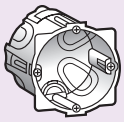
P. 218
Excel Life™ hotel

Soliroc™



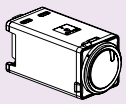
NEW
P. 224
Soliroc™ lighting control units

Batibox™

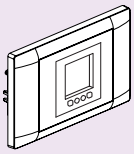


NEW
P. 226
Batibox™ flush-mounting boxes for dry partitions

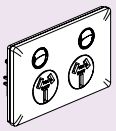
Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages



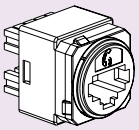
P. 209
Excel Life™
dimmers



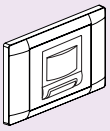
P. 211
Excel Life™
time delay
switches



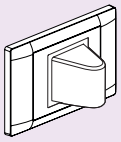
P. 212
Excel Life™
powerpoints



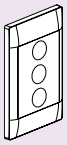
P. 216
Excel Life™
data and
voice sockets



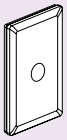
P. 217
Excel Life™
sensor lights



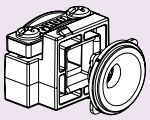
P. 217
Excel Life™
signalling



P. 218
Excel Life™
grid and plates

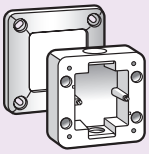


P. 220
Excel Life™
coverplates

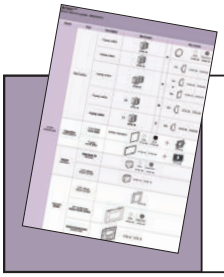


P. 221
Excel Life™
accessories

NEW
P. 235
Soliroc™
socket outlets



NEW
P. 225
Soliroc™
accessories



Quick reference guides for wiring devices and automation
p. 230 to 237

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Excel Life™
Light switches - dedicated plate series

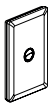
ED770/1WE

ED770/2WE

ED770/4WE

ED770/6WE

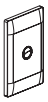
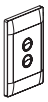
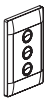
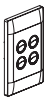
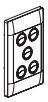
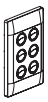
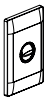
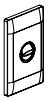
Pack	Cat No. White	Cat No. Urban Grey	Dedicated plate switches Standard rocker switch mechanisms are 16AX fluoro rated
10	ED770/1WE	ED770/1UG	1 gang switch 16A 230 - 240V a.c.
10	ED770/2WE	ED770/2UG	2 gang switch 16A 230 - 240V a.c.
10	ED770/3WE	ED770/3UG	3 gang switch 16A 230 - 240V a.c.
10	ED770/4WE	ED770/4UG	4 gang switch 16A 230 - 240V a.c.
10	ED770/5WE	ED770/5UG	5 gang switch 16A 230 - 240V a.c.
10	ED770/6WE	ED770/6UG	6 gang switch 16A 230 - 240V a.c.
10	ED770/40DPWE	ED770/40DPUG	1 gang double-pole switch 40A, 230-240V a.c.
10	ED770/40WE	ED770/40UG	1 gang switch 40A, 230-240V a.c.

			Weatherproof IP66 switches
10	ED770/11PWE	ED770/11UG	 1 gang switch 16A, 230-240V a.c. IP66
10	ED770/21PWE	ED770/21UG	2 gang switch 16A, 230-240V a.c. IP66
10	ED770/1HIPWE	ED770/1HIPUG	1 gang horizontal switch 16A, 230-240V a.c. IP66
10	ED770/2HIPWE	ED770/2HIPUG	2 gang horizontal switch 16A, 230-240V a.c. IP66

Excel Life™
Light switches - common plate series

EC770/1WE

EC770/3WE

Pack	Cat No. White	Common plate switches Standard rocker switch mechanisms are 16AX fluoro rated
10	EC770/1WE	 1 gang switch 16A 230 - 240V a.c.
10	EC770/2WE	 2 gang switch 16A 230 - 240V a.c.
10	EC770/3WE	 3 gang switch 16A 230 - 240V a.c.
10	EC770/4WE	 4 gang switch 16A 230 - 240V a.c.
10	EC770/5WE	 5 gang switch 16A 230 - 240V a.c.
10	EC770/6WE	 6 gang switch 16A 230 - 240V a.c.
10	EC770/40DPWE	 1 gang double-pole switch 40A, 230-240V a.c.
10	EC770/40WE	 1 gang switch 40A, 230-240V a.c.
6	EC914WE	No Touch switch, 4A 230-240V a.c.

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Excel Life™
Weatherproof switches
Shutter, blind, curtain switches

EC914WE

EC919WE

Weatherproof IP66 switches

Pack	Cat No. White	
10	EC770/1IPWE	1 gang switch 16A 230-240V a.c. IP66
10	EC770/2IPWE	2 gang switch 16A 230-240V a.c. IP66
10	EC770/1HIPWE	1 gang horizontal switch 16A 230-240V a.c. IP66
10	EC770/2HIPWE	2 gang horizontal switch 16A 230-240V a.c. IP66

Shutter, blind, curtain control

10	EC919WE	Push button switch (via relay) 6A 230-240V a.c.
10	EC920WE	Push button switch (direct) 6AX (fluoro rated) 230-240V a.c.

Excel Life™
Electronic and mechanical mechanisms

EM883WE

EM770WE

Electronic push button mechanisms
See p34. for wiring diagrams

Pack	Cat No. White	Cat No. Urban Grey	
10	EM883WE	EM883UG	Electronic push button 5A, 230 - 240V a.c. Fluoro rated 500VA.
10	EM800-SLAVEWE	EM800-SLAVEUG	Secondary control push button 230 - 240V a.c.

Electronic control mechanisms
COMING SOON

10	EM803PEWE	EM803PEUG	Photoelectric switch controller
10	EMIRWE	EMIRUG	Infra-red receiver
10	EAIRREMOTE		Infra-red remote control

Mechanical mechanisms
See p33. for wiring diagrams

10	EM770WE	EM770UG	Single pole double Throw 16A fluoro rated 16AX, 230 - 240v a.c.
10	EM770-AIRCONWE	EM770-AIRCONUG	Marked air con
10	EM770-EXHWE	EM770-EXHUG	Marked exhaust
10	EM770-FANWE	EM770-FANUG	Marked fan
10	EM770-HEATWE	EM770-HEATUG	Marked heat
10	EM770-LIGHTWE	EM770-LIGHTUG	Marked light

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For pack quantity, please refer to numerical index pages

Excel Life™
Mechanical mechanisms

EM770/32OVEN

EM770/32UGHEAT

Pack	Cat. No. White	Cat. No. Urban Grey	Mechanical mechanisms
			Single pole double Throw 16A fluoro rated 16AX, 230 - 240v a.c.
10	EM770-SENSORWE	EM770-SENSORUG	Marked sensor
10	EM770-WASTEWE	EM770-WASTEUG	Marked waste
10	EM770-BPASSWE	EM770-BPASSUG	Marked bypass
10	EM770-ZONE1WE	EM770-ZONE1UG	Marked zone 1
10	EM770-ZONE2WE	EM770-ZONE2UG	Marked zone 2
10	EM770-ZONE3WE	EM770-ZONE3UG	Marked zone 3
10	EM770-ZONE4WE	EM770-ZONE4UG	Marked zone 4
10	EM770IMWE	EM770IMUG	Intermediate 16A 230 - 240V a.c.
10	EM770DPWE	EM770DPUG	Double pole double throw 16A fluoro rated 10AX, 230 - 240V a.c.
10	EM770/20DPWE	EM770/20DPUG	Double pole double throw 20A fluoro rated 10AX, 230 - 240V a.c.
10	EM770/20WE	EM770/20UG	Single pole single throw 20A fluoro rated 20AX, 230 - 240V a.c.

Excel Life™
Mechanical mechanisms

EM770DUOWE

Pack	Cat. No. White	Cat. No. Urban Grey	Mechanical mechanisms
10	EM770/20RDWE	EM770/20RDUG	Single pole double throw with red indicator 20A fluoro rated 20AX 230 - 240V a.c.
10	EM770/20ACWE	EM770/20ACUG	Single pole double throw 20A fluro rated 20AX, 230 - 240v a.c. Marked air con
10	EM770/25WE	EM770/25UG	Single pole single throw 25A fluoro rated 20AX, 230 - 240V a.c.
10	EM770/32WE	EM770/32UG	Single pole single throw 32A, fluoro rated 20AX, 230 - 240V a.c.
10	EM770/32HOTPWE	EM770/32HOTPUG	Single pole single throw 32A fluro rated 20AX, 230 - 240V a.c. Marked hot plate
10	EM770/32OVENWE	EM770/32OVENUG	Single pole single throw 32A fluro rated 20AX 230 - 240v a.c. Marked oven
10	EM770DU0WE	EM770DU0UG	2 x single pole single throw 16A fluoro rated 10AX 230 - 240V a.c.
10	EM770-DUOHTWE	EM770-DUOHTUG	2 x single pole single throw 16A fluro rated 10AX, 230 - 240v a.c. Marked heat
10	EM770XWE	EM770XUG	Single pole single throw spring return 16A 230 - 240v a.c.
10	EM770X-DOORWE	EM770X-DOORUG	Single pole single throw spring return 16A 230 - 240v a.c. Marked door

Whilst most items are stock lines some products are made to order
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For pack quantity, please refer to numerical index pages

Excel Life™
Mechanical mechanisms
Keylock mechanisms

EMRSWE

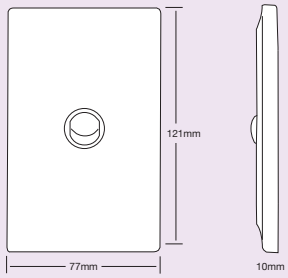
EM820KLIOWE

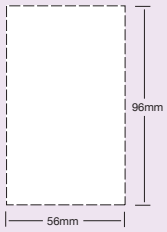
Pack	Cat. No. White	Cat. No. Urban Grey	
			Mechanical mechanisms
10	EM770X-PRESSWE	EM770X-PRESSUG	Single pole single throw spring return 16A 230 - 240v a.c. Marked press
	EM770X-RESETWE	EM770X-RESETUG	Single pole single throw spring return 16A 230 - 240v a.c. Marked reset
10	EMRSWE	EMRSUG	Rotary switch mechanism - (all-in-one solution), comes with 6 marking plate options and 180°, 270° and 360° rings. 16A fluoro rated 16AX 230-240V a.c.
			Keylock mechanisms
10	EM820-KLIOWE	EM820-KLIOUG	Switch mechanism 1 gang keylock switch removable OFF or ON position 20A fluoro rated 20AX, 230 - 240V a.c.
10	EM820KLIWE	EM820KLIUG	Switch mechanism 1 gang keylock switch removable ON only 20A fluoro rated 20AX, 230 - 240V a.c.
10	EM820KLOWE	EM820KLOUG	Switch mechanism 1 gang keylock switch removable OFF only 20A fluoro rated 20AX, 230-240V a.c.

Pack	Cat. No.	
		Mechanical keytag switch
10	EM770/20KT	Single pole, single throw 20A 6luro rated 20AX 230-240V a.c.

Excel Life™
Plate installation dimensions

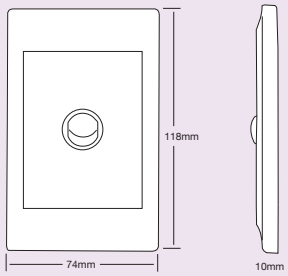
Dedicated plate series installation dimensions

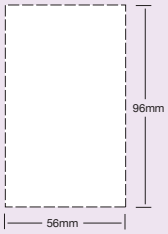




Glass and tile cut-out size

Common plate series installation dimensions





Glass and tile cut-out size

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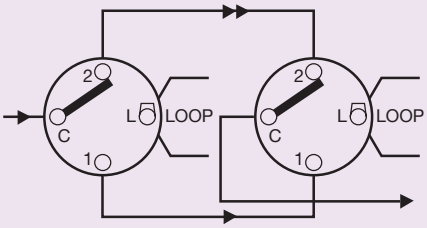
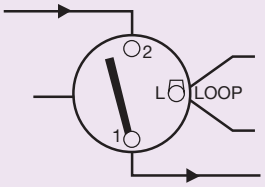
Mechanical switch mechanism wiring diagrams

EM770
EM770/20

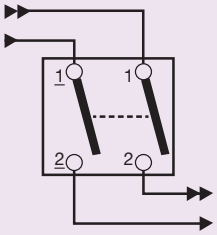


MULTIWAY SWITCHING 2 SWITCHES

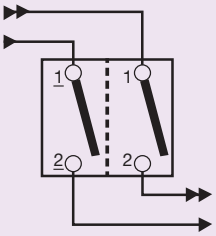
EM770/25
EM770/32



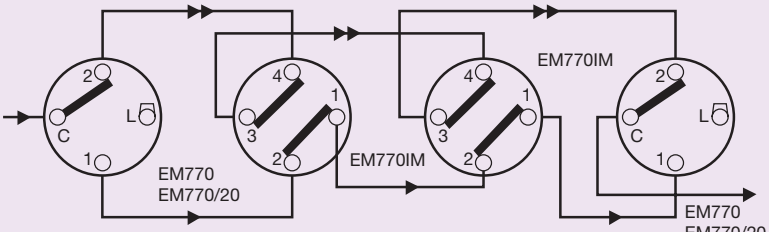
EM770DP
EM770/20DP



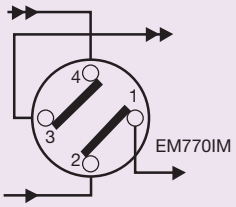
EM770DUO



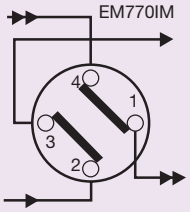
EM770IM



MULTIWAY SWITCHING MORE THAN 2 SWITCHES
(Any quantity of intermediate switches may be used).

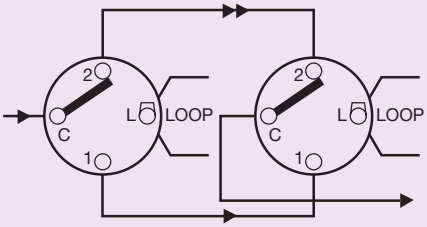


UP POSITION



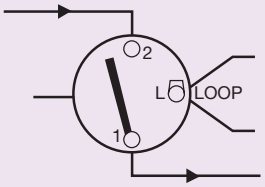
DOWN POSITION

EM770
EM770/20

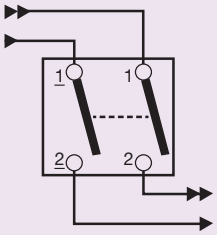


MULTIWAY SWITCHING 2 SWITCHES

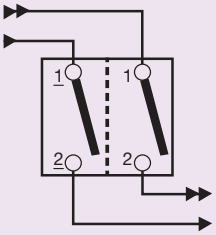
EM770/25
EM770/32



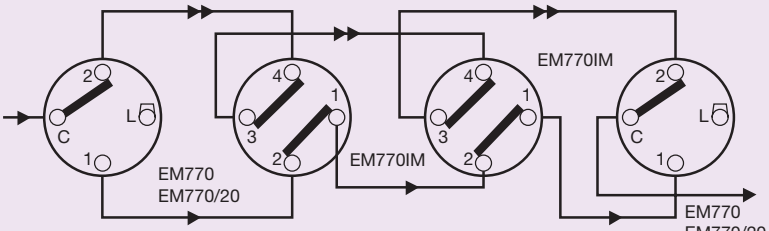
EM770DP
EM770/20DP



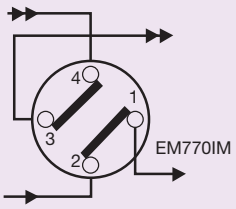
EM770DUO



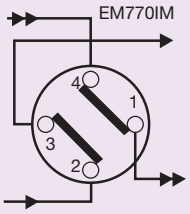
EM770IM



MULTIWAY SWITCHING MORE THAN 2 SWITCHES
(Any quantity of intermediate switches may be used).



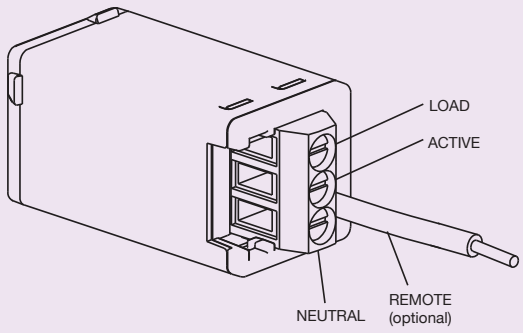
UP POSITION



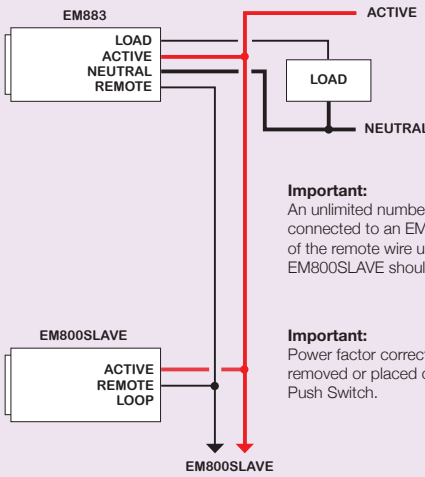
DOWN POSITION

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Electronic push button switch wiring diagram EM883WE



■ Connect optional Secondary Control Buttons (EM800SLAVE) to enable switching from multiple locations.



Important:
An unlimited number of EM800SLAVE can be connected to an EM883. However, the total length of the remote wire used to interconnect all of the EM800SLAVE should not exceed 50 metres.

Important:
Power factor correction capacitors must be either removed or placed on the line side of the Electronic Push Switch.

Technical characteristics

+ 50°C + 0°C 230 - 240V a.c. 50Hz	1 x 2.5 mm² 2 x 1.5 mm²	Incandescent	Halogen	Fluorescent tube	Wirewound transformer	Electronic transformer	Compact fluorescent	LED	Fan motor
Max load		**1200W**	**1200W**	**500VA**	**500VA**	**500VA**	**500VA**	**500VA**	**500VA**

Minimum load = 10VA for all load types

LED Indicator

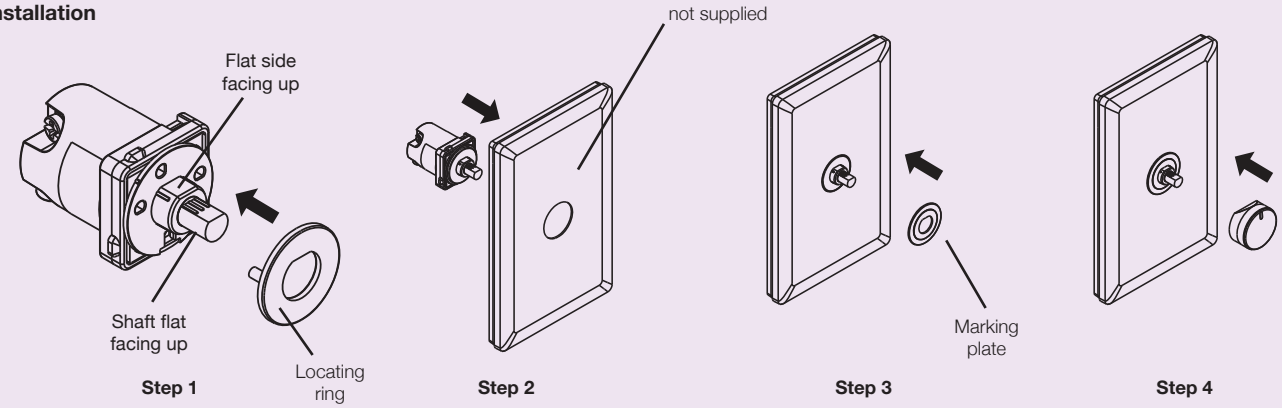
■ The colour of the LED indicator can be either red or blue. In addition, when the switch is off the LED indicator can either glow faintly or be off completely. The four possible modes are as follows:

■ To change between modes, press and hold the push button for at least 10 seconds. This will select the next mode in the sequence above.

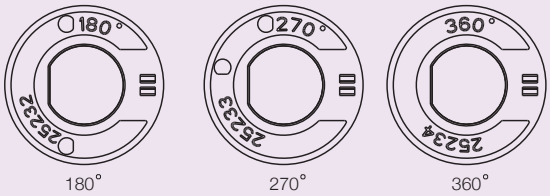
Mode	Status of LED indicator	
	Switch on	Switch off
1	Bright red	Faint red
2	Bright blue	Faint blue
3	Bright red	Off
4	Bright blue	Off

Excel Life™
Rotary switch - EMRSWE

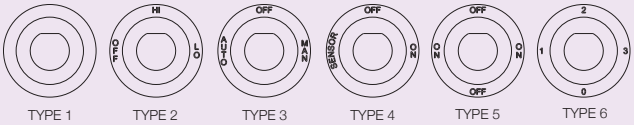
Installation



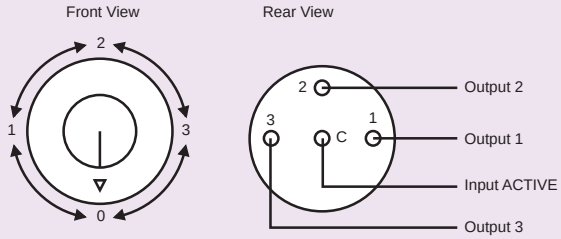
Rotation ring options



Marking plate options

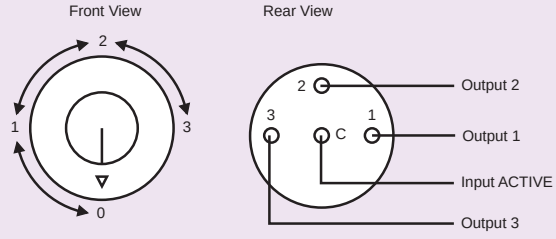


Wiring for 360° rotation



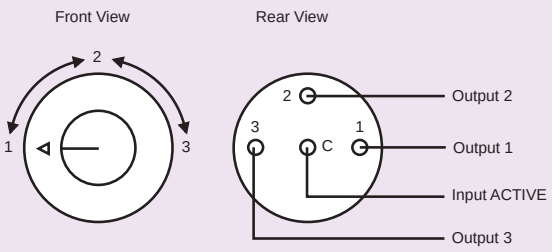
Select one of the following wiring options:				
POSITION				WIRING
0	1	2	3	
OFF	ON	ON	ON	Connect All Terminals
OFF	ON	OFF	ON	Do Not Connect Terminal 2

Wiring for 270° rotation



Select one of the following wiring options:				
POSITION				WIRING
0	1	2	3	
OFF	ON	ON	ON	Connect All Terminals

Wiring for 180° rotation



Select one of the following wiring options:			
POSITION			WIRING
1	2	3	
ON	ON	ON	Connect All Terminals
ON	OFF	ON	Do Not Connect Terminal 2
OFF	ON	ON	Do Not Connect Terminal 1
ON	ON	OFF	Do Not Connect Terminal 3

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Excel Life™
Dimmers

EM250TRWE

EM450UPWE

EM700TRWE

Pack	Cat No.		
		White	Urban Grey
10	EM450UPWE	EM450UPUG	Electronic push button 450VA universal load 230 - 240V a.c.
10	EM450A3PWE	EM450A3PUG	Electronic push button 450VA all-load (neutral required) 230-240V a.c.
10	EM250TRWE	EM250TRUG	250VA Trailing edge 230 - 240V a.c.
10	EM400TRWE	EM400TRUG	400VA Trailing edge 230 - 240V a.c.
10	EM700TRWE	EM700TRUG	700VA Trailing edge 230 - 240V a.c.
10	EM2000ERC		2000va leading-edge remote dimmer

Dimmers

Electronic push button can be used with EM800SLA-VEWE for multi-way dimming. Onboard programming allows the LED to be blue or red.

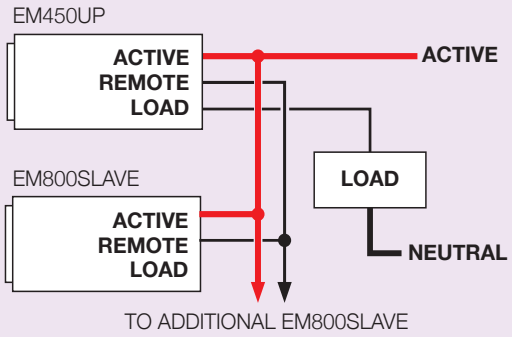
Rotary

New easy grip lower profile knob. Automatically dims if dimmer is overloaded or insufficiently derated

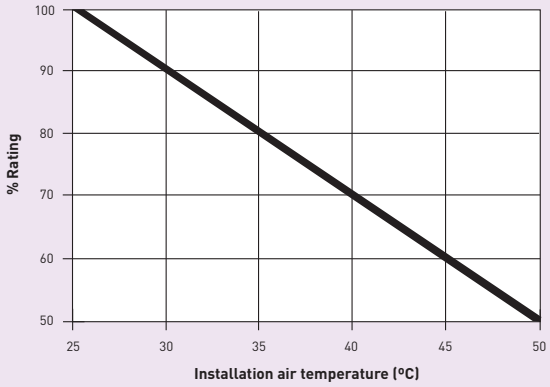
Excel Life™
Electronic push button dimmer - EM450UP

Wiring

■ Connect optional Secondary Control Buttons (EM800SLAVE) to enable dimming from multiple locations.



Important:
An unlimited number of EM800SLAVE can be connected to an EM450UP. However, the total length of the remote wire used to interconnect all of the EM800SLAVE should not exceed 50 metres.



Important:
When used in ambient temperatures greater than 25°C, the dimmer must be de-rated according to the following chart.

Electronic push button dimmer EM450UP

Technical characteristics

		Incandescent	Halogen	Fluorescent tube	Wirewound transformer	Electronic transformer	Compact fluorescent	LED	Fan motor
+ 50°C / + 0°C, 230 - 240V a.c. 50Hz; 1 x 2.5 mm² / 2 x 1.5 mm²									
Max load	1 dimmer per plate	450W	450W	X	270VA	450VA	X	X	X
	2 dimmers per plate	400W	400W	X	240VA	400VA	X	X	X
	3 or more dimmers per plate	350W	350W	X	210VA	350VA	X	X	X

Minimum load = 10VA for all load types

Excel Life™

Electronic push button dimmers EM450A3P
Rotary dimmers - EM250TR/EM400TR/EM700TR

Electronic push button dimmer EM450A3P
Technical characteristics

		+ 50°C + 0°C 230 - 240V a.c. 50Hz	1 x 2.5 mm² 2 x 1.5 mm²	Incandescent	Halogen	Fluorescent tube	Wirewound transformer	Electronic transformer	Compact fluorescent	LED	Fan motor
Max load	1 dimmer per plate			450W	450W	X	270VA	450VA	450VA	450VA	X
	2 dimmers per plate			400W	400W	X	240VA	400VA	400VA	400VA	X
	3 or more dimmers per plate			350W	350W	X	210VA	350VA	350VA	350VA	X

Minimum load = 3VA for all load types

Rotary dimmers - EM250TR/EM400TR/EM700TR
Technical characteristics

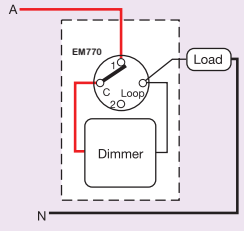
Max load EM250TR	1 dimmer per plate	250W	250W	X	X	250VA	250VA see note	X	X
	2 dimmers per plate	225W	225W	X	X	225VA	225VA see note	X	X
	3 dimmers per plate	200W	200W	X	X	200VA	200VA see note	X	X
Max load EM400TR	1 dimmer per plate	400W	400W	X	X	400VA	400VA see note	X	X
	2 dimmers per plate	350W	350W	X	X	350VA	350VA see note	X	X
	3 dimmers per plate	300W	300W	X	X	300VA	300VA see note	X	X
Max load EM700TR	1 dimmer per plate	700W	700W	X	X	700VA	700VA see note	X	X

Minimum load = 10VA for all load types

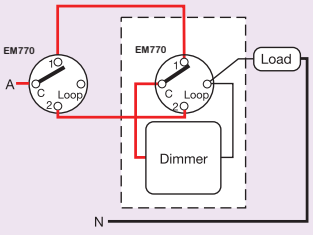
Note: Compact Fluorescent Lamps (CFLs), also known as Energy Saving Lamps, can only be dimmed if they are specifically marked as "dimmable". Dimmable CFLs may have different characteristics from brand to brand, and so each brand may require a specific type of dimmer to operate correctly. Using the incorrect dimmer may cause the CFL to flicker. Please read the documentation that comes with each CFL carefully to ensure that the CFL and dimmer are compatible. For more information, please contact HPM Legrand. In some cases, the dimmable CFL may turn off or flicker when dimmed to a very low brightness. This can be overcome by ensuring that the dimmer brightness is not set too low. See "Setting minimum brightness" for instructions on how to achieve this.

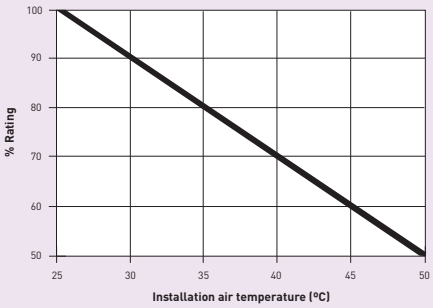
Wiring

One-way wiring diagram



Two-way wiring diagram





Important:
When used in ambient temperatures greater than 25°C, the dimmer must be de-rated according to the following chart.

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Excel Life™
Time delay switches

Excel Life™
Time delay switches

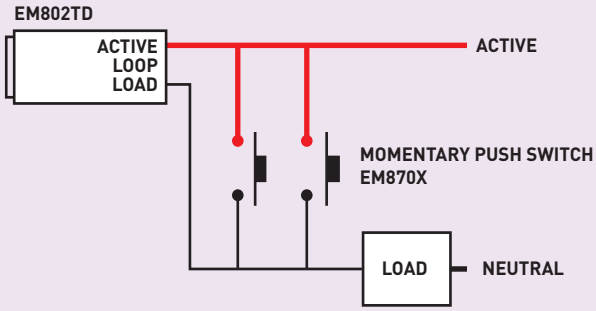
EM802TDWE

EC923TWE

Pack	Cat No. White	Cat No. Urban Grey	Time delay mechanisms
10	EM802TDWE	EM802TDUG	Programmable time delay switch, 2 wire all load 400VA, 230 - 240V a.c. Can be programmed from 1-10 minutes in steps of 1 minute.
6	EC923TWE	-	Programmable time delay switch, 16A 230 - 240V a.c. Up to 8 weekly programmes, 20hrs working reserve

Wiring
EM802TD

■ Connect optional Momentary Push Switches (EM870X) to enable switching from multiple locations.



Note:
EM870X available 2012

Important:
An unlimited number of EM870X can be connected to an EM802TD. However, the total length of the load wire used to interconnect all of the EM870X should not exceed 50 metres.

Technical characteristics
EM802TD

+ 50°C / + 0°C / 230 - 240V a.c. 50Hz	1 x 2.5 mm² / 2 x 1.5 mm²	Incandescent	Halogen	Fluorescent tube	Wirewound transformer	Electronic transformer	Compact fluorescent	LED	Fan motor
Max load		400W	400W	400VA*	X	400VA	400VA	400VA	X

Minimum load = 10VA for all load types

* Electronic ballast only

Excel Life™
Powerpoints - dedicated plate series

ED777WE

ED7774WE

Pack	Cat No. White	Cat No. Urban Grey	Dedicated plate powerpoints
			Internal safety shutters on all powerpoints. Powerpoints with extra hole ready to be equipped with 240V 770 module mechanisms such as EM803SURGEWE (See p. 213) EMPAPS1WE (See p. 214)
10	ED777WE	ED777UG	Double powerpoint 10A, 230 - 240V a.c.
10	ED777XWE	ED777XUG	Double powerpoint with extra function hole, 10A, 230 - 240V a.c.
10	ED777/15WE	ED777/15UG	Double powerpoint 15A 230 - 240V a.c.
10	ED787WE	ED787UG	Single powerpoint 10A, 230 - 240V a.c.
10	ED787XWE	ED787XUG	Single powerpoint with extra function hole, 10A, 230 - 240V a.c.
10	ED787/2XWE	ED787/2XUG	Single powerpoint with 2 extra function holes, 10A, 230 - 240V a.c.
10	ED787/15WE	ED787/15UG	Single powerpoint 15A, 230 - 240V a.c.
10	ED7774WE	ED7774UG	4 gang powerpoint 10A, 230 - 240V a.c.

Excel Life™
Powerpoints - dedicated plate series

Pack	Cat No. White	Cat No. Urban Grey	Dedicated plate powerpoints
10	ED787/25WE	ED787/25UG	Single powerpoint 20A, 230 - 240V a.c.
10	ED787/32WE	ED787/32UG	Single powerpoint 32A, 230 - 240V a.c.
10	ED777RWE	ED777RUG	Double round-earth powerpoint 10A, 230 - 240V a.c.
10	ED787DPWE	ED787DPUG	Single double-pole powerpoint 10A, 230 - 240V a.c.
10	ED787RWE	ED787RUG	Single round-earth powerpoint 10A, 230 - 240V a.c.
10	ED787/20WE	ED787/20UG	Single powerpoint 20A, 230 - 240V a.c.

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Excel Life™
Powerpoints - common plate series

EC777WE

EC787WE

Pack	Cat No.	Common plate powerpoints
	White	**Internal safety shutters on all powerpoints. Powerpoints with extra hole ready to be equipped with 240V 770 module mechanisms such as EM803SURGEWE (See p. 213) EMPAPS1WE (See p. 214)**
10	EC777WE	Double powerpoint 10A, 230 - 240V a.c.
10	EC777XWE	Double powerpoint with extra function hole, 10A, 230 - 240V a.c.
10	EC777/15WE	Double powerpoint 15A, 230 - 240V a.c.
10	EC777/15XWE	Double powerpoint with extra function hole, 15A, 230 - 240V a.c.
10	EC787WE	Single powerpoint 10A, 230 - 240V a.c.
10	EC787/15WE	Single powerpoint 15A, 230 - 240V a.c.
10	EC787XWE	Single powerpoint with extra function hole, 10A, 230 - 240V a.c.
10	EC787/2XWE	Single powerpoint with 2 extra function holes, 10A, 230 - 240V a.c.
10	EC777RWE	Double round-earth powerpoint 10A, 230 - 240V a.c.
10	EC787DPWE	Single double-pole powerpoint 10A, 230 - 240V a.c.
10	EC787/15DPWE	Single double-pole powerpoint 15A, 230 - 240V a.c.
10	EC787/15XWE	Single extra-function powerpoint 15A, 230 - 240V a.c.
10	EC787/20WE	Single powerpoint 20A, 230 - 240V a.c.
10	EC787/25WE	Single powerpoint 25A, 230 - 240V a.c.
10	EC787/32WE	Single powerpoint 32A, 230 - 240V a.c.

Excel Life™
Powerpoints - secure plate series
Powerpoint mechanisms
Surge protection

ES777WE

EM803SURGEWE

Pack	Cat No.	Secure plate powerpoints
	White	
10	ES777WE	Double powerpoint 10A, 230 - 240V a.c.
10	ES787WE	Single powerpoint 10A, 230 - 240V a.c.

Pack	Cat No.	Powerpoint mechanisms
10	EM787WE	Single powerpoint 10A, 230 - 240V a.c. mechanism only
10	EM787AWE	Single autoswitch powerpoint mechanism only 10A, 230-240V a.c.
10	EM787ARWE	Single round-earth autoswitch powerpoint 10A, 230-240V a.c.
10	EM787A/15WE	Single autoswitch powerpoint mechanism only 15A, 230-240V a.c.
10	EM787U/20WE	Single unswitched powerpoint 20A, 230-240V a.c.
10	EM787U/25WE	Single gang unswitched powerpoint mechanism only 25A, 230-240V a.c.
10	EM787U/32WE	Single unswitched powerpoint mechanism only 32A, 230-240V a.c.

Pack	White	Urban Grey	Surge protection
10	EM803-SURGEWE	EM803-SURGEUG	Mechanism surge protection module 500J, 230-240V a.c.

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For pack quantity, please refer to numerical index pages

Excel Life™
Indicator kits

EM770LEDWE

EM803LEDWE

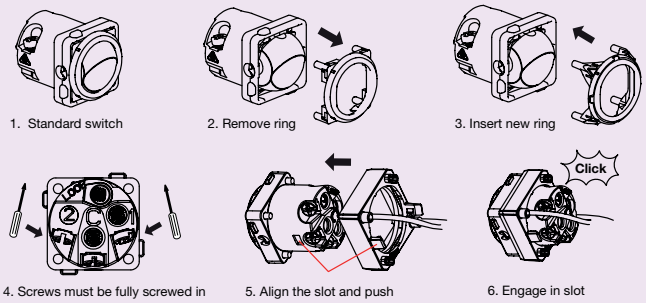
EMPAPS1WE

EMPS2WE

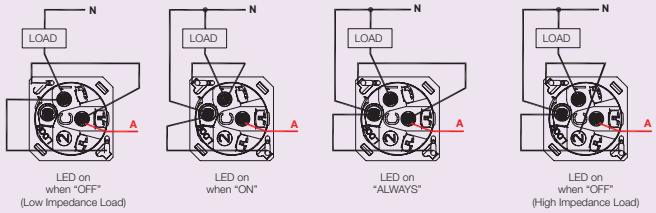
Pack	Cat No. White	Cat No. Urban Grey	Illumination kits
10	EM770LEDWE	EM770LEDUG	EM770 illumination kit blue LED 230 - 240V a.c.
10	EM803LEDWE	EM803LEDUG	White LED and coloured lenses kit 230 - 240V a.c.
10	EMPAPS1WE	EMPAPS1UG	Power available and 1 gang power supplied indicator kit 230 - 240V a.c.
10	EMPAPS2WE	EMPAPS2UG	Power available and 2 gang power supplied indicator kit 230 - 240V a.c.
10	EMPAWE	EMPAUG	Power available indicator kit 230 - 240V a.c.
10	EMPS1WE	EMPS1UG	Power supplied to 1 outlet indicator kit 230 - 240V a.c.
10	EMPS2WE	EMPS2UG	Power supplied to 2 outlets indicator kit 230 - 240V a.c.

Excel Life™
Time delay switches

Installation
EM770LED - LED 770 illumination kit



Wiring



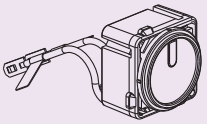
Note: Low Impedance Load examples include incandescent, halogen, resistive loads

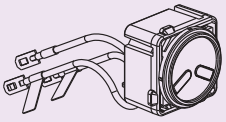
High Impedance Load examples include CFL's, LED globes

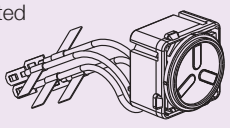
LED Power Available/Power Supplied Indicator Kits
EMPAPS2, EMPAPS1, EMPA, EMPS1, EMPS2, EM803LED

Features

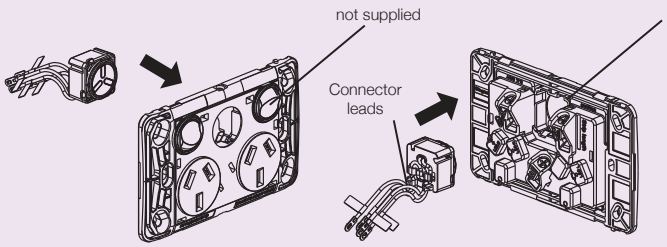
- Voltage: 240V~
- Frequency: 50Hz
- Current: 1.2mA per indicator
- Operating temperature: -5°C to +50°C
- Storage temperature: -10°C to +70°C
- Resistant to the following agents: Hexane, methylated spirits, soapy water, diluted ammonia, diluted pure bleach (10%), glass cleaning sustance, pre-impregnated wipes, diluted hydrogen peroxide
- Not resistant to the following agents: Acetone, tar remover, trichloroethylene

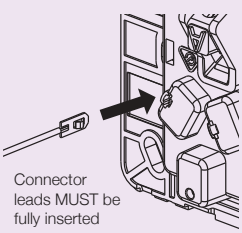

EMPA
EMPS1
EM803LED

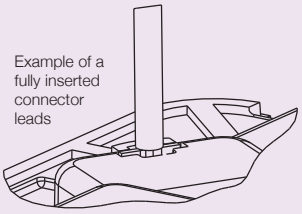

EMPAPS1
EMPS2


EMPAPS2

Installation
EMPAPS2, EMPAPS1, EMPA, EMPS1, EMPS2, EM803LED
LED Power Available/Power Supplied Indicator Kits







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For pack quantity, please refer to numerical index pages

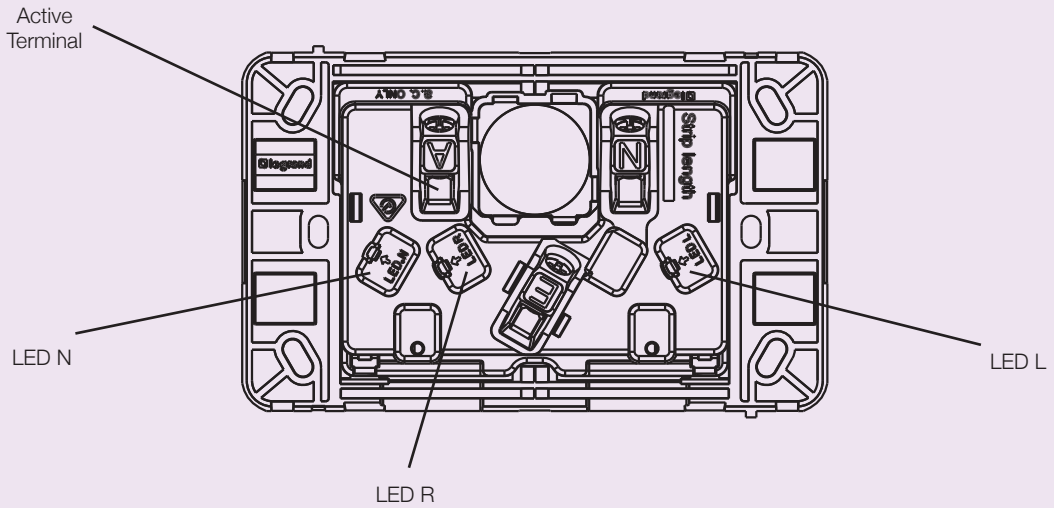
Excel Life™
LED power supplied/power available indicator kits

Wiring

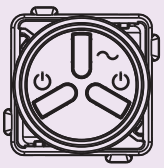
Wire/lead marking	EMPAPS2	EMPAPS1	EMPA	EMPS2	EMPS1	EM803LED (power available)++	EM803LED (power supplied)	EM803LED (power available without neutral)**
LED N	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Switched active
LED L	Switched Active (LHS)			Switched Active (LHS)				
LED R	Switched Active (RHS)			Switched Active (RHS)				
LED		Switched active			Switched active			
A	Active	Active	Active			Active	Switched active	Active

++ = In this mode the LED indicator will be ON whenever there is power available to the product.

** = In this mode the LED indicator will only be ON whenever the associated switch/socket is OFF.
The current required to light the indicator when the switch is ON will be bled through the load.



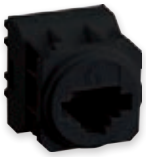
Example: EMPAPS2



'~' = Power available
'⏻' = Power supplied

Excel Life™
RJ11 Cat 3 voice sockets
RJ45 Cat 5e sockets

EMRJ11C3WE


EMRJ11C3BL

EMRJ45C5EBU

EMRJ45C5EGR

Excel Life™
RJ45 Cat 6 data sockets
TV outlets

EMRJ45C6RD

EMRJ45C6YE

EMFFWE

EMSPWE

Pack	Cat No.	RJ11 voice sockets
		Additional slot available for looping. Compatible with both Krone and IDC termination tools
10	EMRJ11C3WE	CAT 3 RJ11 voice socket white
10	EMRJ11C3BL	CAT 3 RJ11 voice socket black
10	EMRJ11C3BU	CAT 3 RJ11 voice socket blue
10	EMRJ11C3GR	CAT 3 RJ11 voice socket green
10	EMRJ11C3RD	CAT 3 RJ11 voice socket red
10	EMRJ11C3YE	CAT 3 RJ11 voice socket yellow

Pack	Cat No.	RJ45 data sockets CAT 6
		Compatible with both Krone and IDC termination tools
10	EMRJ45C6WE	CAT 6, RJ45 data socket white
10	EMRJ45C6BL	CAT 6, RJ45 data socket black
10	EMRJ45C6BU	CAT 6, RJ45 data socket blue
10	EMRJ45C6GR	CAT 6, RJ45 data socket green
10	EMRJ45C6RD	CAT 6, RJ45 data socket red
10	EMRJ45C6YE	CAT 6, RJ45 data socket yellow

		RJ45 data sockets CAT 5E
		Compatible with both Krone and IDC termination tools
10	EMRJ45C5EWE	CAT 5E RJ45 data socket white
10	EMRJ45C5EBL	CAT 5E RJ45 data socket black
10	EMRJ45C5EBU	CAT 5E RJ45 data socket blue
10	EMRJ45C5EGR	CAT 5E RJ45 data socket green
10	EMRJ45C5ERD	CAT 5E RJ45 data socket red
10	EMRJ45C5EYE	CAT 5E RJ45 data socket yellow

	White	Urban Grey	TV outlets
10	EMFFFOXWE	EMFFFOXUG	F to F TV outlet 75 ohm 2.4 GHz (Foxtel approved)
10	EMFFWE	EMFFUG	F to F TV outlet 75 ohm
10	EMPFWE	EMPFUG	PAL to F TV outlet, white
10	EMSPWE	EMSPUG	PAL to saddle TV outlet white

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Excel Life™
Data, audio and video sockets

EMRCARDWE

EC920HDMIWE

EC920LJWE

EC920VGAWE

Pack	Cat No. White	Cat No. Urban Grey	Data, audio and video	
10	EMRCARDWE	EMRCARDUG		RCA outlet - red
10	EMRCAWEWE	EMRCAWEUG		RCA outlet - white
10	EMRCAYEWE	EMRCAYEUG		RCA outlet - yellow
10	ECUSBWE	-		USB type A female outlet
6	EC910J35WE	-		3.5mm female audio outlet
4	EC920-HDMIWE	-		HDMI socket rear pluggable
8	EC920LJWE	-		Loudspeaker outlet IP41, 6mm terminal capacity
10	EC920-MSVIDWE	-		S-Video outlet mini din
10	EC920-VGAWE	-		VGA outlet female connection

Excel Life™
Sensor lights and signalling

EC510WE

EC511WE

EC524WE

ED571WE

Pack	Cat No. White	Sensor lights	
4	EC511WE		Skirting light with PIR sensor 1.3W max 230 - 240V a.c.
6	EC510WE		Permanent skirting light 230 - 240V a.c.

		Signalling	
6	EC520WE		Signal light white LED 1.0W max 230 - 240V a.c.
6	EC521WE		Signal light blue LED 1.0W max 230 - 240V a.c.
6	EC524WE		Signal light red/green LED 1.0W max 230 - 240V a.c.
4	EC570WE		Bulkhead light red LED 230 - 240V a.c.
4	EC571WE		Bulkhead light white LED 230 - 240V a.c.
4	EC572WE		Bulkhead light green LED 230-240V a.c.
4	EC573WE		Bulkhead light blue LED 230 - 240V a.c.

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For pack quantity, please refer to numerical index pages

Excel Life™
Hospitality and commercial

EC918WE

EC919WE

EC924WE

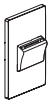
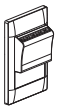
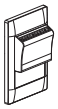
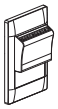
ECKFSWE

Excel Life™
Grids and plates

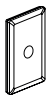
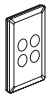
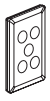
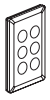
EC770/0GPLWE

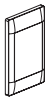
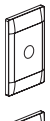
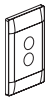
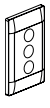
EC770/3GPLWE

ED770/4GPLWE

Pack	Cat No. White	Hospitality and commercial	
4	EC915WE		Emergency stop push button 1/4 turn 3AX 230 - 240V a.c.
6	EC918WE		Electronic bell
10	EAKEYFOB		Key fob 230 - 240V a.c.
10	ECKFSWE		Common plate series electronic key fob switch with 30 second time delay 230 - 240V a.c.
10	EDKFSWE		Dedicated plate series electronic key fob switch with 30 second time delay 230 - 240V a.c.
10	EC20A/4KTWE		Common plate series mechanical keytag switch white 4 x 20A 230-240V a.c.
10	ED20A/4KTWE		Dedicated plate series mechanical keytag switch white 4 x 20A 230-240V a.c.
10	ED20A/4KTUG		Dedicated plate series mechanical keytag switch urban grey 4 x 20A 230-240V a.c.
6	EC924WE		Hotel corridor call indicator 6A, 230 - 240V a.c.
8	EC925WE		Hotel guest room call control 10AX (fluoro rated) 230 - 240V a.c.

		Shutter, blind, curtain control	
8	EC919WE		Push button switch (via relay) 6A 230-240V a.c.
8	EC920WE		Push button switch (direct control) 6AX (fluoro rated) 230-240V a.c.

Pack	Cat No. White	Cat No. Urban Grey	Dedicated plate series grids and plates	
10	ED770/0GPLWE	ED770/0GPLUG		Dedicated plate series blank grid and coverplate only
10	ED770/1GPLWE	ED770/1GPLUG		Dedicated plate series 1 gang grid and coverplate only
10	ED770/2GPLWE	ED770/2GPLUG		Dedicated plate series 2 gang grid and coverplate only
10	ED770/3GPLWE	ED770/3GPLUG		Dedicated plate series 3 gang grid and coverplate only
10	ED770/4GPLWE	ED770/4GPLUG		Dedicated plate series 4 gang grid and coverplate only
10	ED770/5GPLWE	ED770/5GPLUG		Dedicated plate series 5 gang grid and coverplate only
10	ED770/6GPLWE	ED770/6GPLUG		Dedicated plate series 6 gang grid and coverplate only

Pack	Cat No. White	Common plate series grids and plates	
10	EC770/0GPLWE		Common plate series grid and cover only
10	EC770/1GPLWE		Common plate series 1 gang grid and coverplate only
10	EC770/2GPLWE		Common plate series 2 gang grid and coverplate only
10	EC770/3GPLWE		Common plate series 3 gang grid and coverplate only

Whilst most items are stock lines some products are made to order
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For pack quantity, please refer to numerical index pages

Excel Life™
Grids and plates

ED770/6GPLWE

ES770/1GPLWE

ES770/3GPLWE

ES770/6GPLWE

Pack	Cat No.	
	White	**Common plate series grids and plates**
10	EC770/4GPLWE	Common plate series 4 gang grid and coverplate only
10	EC770/5GPLWE	Common plate series 5 gang grid and coverplate only
10	EC770/6GPLWE	Common plate series 6 gang grid and coverplate only
10	ECCWGPLWE	Deep mounting block and cover plate common series only

		Secure plate series grids and plates
10	ES770/0GPLWE	Secure plate series grid and coverplate only
10	ES770/1GPLWE	Secure plate series 1 gang grid and coverplate only
10	ES770/2GPLWE	Secure plate series 2 gang grid and coverplate only
10	ES770/3GPLWE	Secure plate series 3 gang grid and coverplate only
10	ES770/4GPLWE	Secure plate series 4 gang grid and coverplate only
10	ES770/5GPLWE	Secure plate series 5 gang grid and coverplate only
10	ES770/6GPLWE	Secure plate series 6 gang grid and coverplate only

Excel Life™
Grids and coverplates
Module and architrave

Pack	Cat No.	
	White	**Module grid and coverplate only**
10	EC910GPLWE	1 module grid and coverplate only

	White	Urban Grey	**Architrave dedicated plate series grid and plate**
10	EDA770-1GPLWE	EDA770-1GPLUG	Dedicated plate series architrave 1 gang grid and coverplate only
10	EDA770-2GPLWE	EDA770-2GPLUG	Dedicated plate series architrave 2 gang grid and coverplate only
10	EDA770-3GPLWE	EDA770-3GPLUG	Dedicated plate series architrave 2 gang grid and coverplate only
10	EDA770-4GPLWE	EDA770-4GPLUG	Dedicated plate series architrave 2 gang grid and coverplate only

Excel Life™
Cover plates

ED770/4PLWE

ESCWPLWE

ED920PLWE

ED770/1PLMS

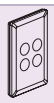
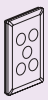
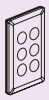
ED787PLMS

ED777PLMA

ED770/1PLDI

ED770/1PLIC

Dedicated Plate Switches - cover plate only

	Finish								
Liquid Gloss	White	ED770/1PLWE	ED770/2PLWE	ED770/3PLWE	ED770/4PLWE	ED770/5PLWE	ED770/6PLWE	ED920PLWE	-
	Urban Grey	ED770/1PLUG	ED770/2PLUG	ED770/3PLUG	ED770/4PLUG	ED770/5PLUG	ED770/6PLUG	ED920PLUG	-
	Matt Silver	ED770/1PLMS	ED770/2PLMS	ED770/3PLMS	ED770/4PLMS	ED770/5PLMS	ED770/6PLMS	ED920PLMS	EDCWPLMS
	Ice	ED770/1PLIC	ED770/2PLIC	ED770/3PLIC	ED770/4PLIC	ED770/5PLIC	ED770/6PLIC	ED920PLIC	EDCWPLIC
	Malt	ED770/1PLMA	ED770/2PLMA	ED770/3PLMA	ED770/4PLMA	ED770/5PLMA	ED770/6PLMA	ED920PLMA	EDCWPLMA
	Diesel	ED770/1PLDI	ED770/2PLDI	ED770/3PLDI	ED770/4PLDI	ED770/5PLDI	ED770/6PLDI	ED920PLDI	EDCWPLDI

Dedicated Plate Powerpoints - cover plate only

Finish			
Matt Silver	ED787PLMS	ED777PLMS	ED777XPLMS
Ice	ED787PLIC	ED777PLIC	ED777XPLIC
Malt	ED787PLMA	ED777PLMA	ED777XPLMA
Diesel	ED787PLDI	ED777PLDI	ED777XPLDI

Common Plate Series - cover plate only

Finish						
White	ECCW-PLWE	ECCW-2WPLWE	ECCW-3WPLWE	ECCW-2HPLWE	ECCW-3HPLWE	ECCW-4HPLWE

Secure Plate Series - cover plate only

Finish	
White	ESCWPLWE

Whilst most items are stock lines some products are made to order
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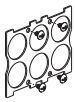
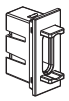
For pack quantity, please refer to numerical index pages

Excel Life™
Accessories

EMCCWE

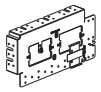
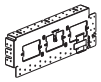
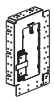
EMIDWE

ECFRAME

Pack	Cat No.	Accessories	
10	ECFRAME		Common plate series frame
50	EAPP		Transparent paint and damage protection shell
1	EAPWDSCREW		Public works department 1-4 gang mechanism retention kit
10	EAPWD5GKIT		Public works department 5-gang mechanism retention kit
10	EAPWD6GKIT		Public works department 6-gang mechanism retention kit
10	EM910RPWE		Plug & cable retainer module white

	White	Urban Grey	
10	EMCCWE	EMCCUG	Cord clamp
10	EMCLIDWE	EMCLIDUG	Blank with clear cap suits 800 module
10	EMIDWE	EMIDUG	Blank, suits 800 module

Excel Life™
Accessories
Brackets

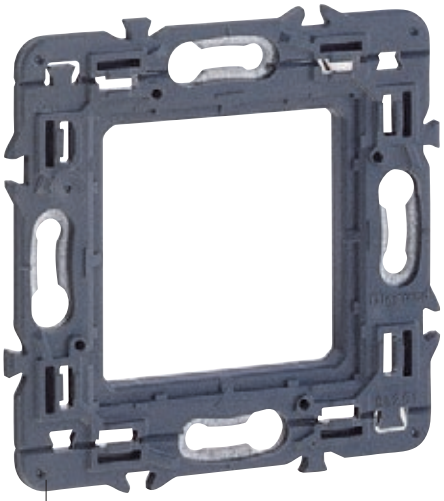
Pack	Cat No.	Accessories - multi-gang brackets	
10	EA143/2W		2 gang horizontal stud-bracket
10	EA143/3W		3 gang horizontal stud-bracket
10	EA143/2H		2 gang vertical stud-bracket
10	EA143/3H		3 gang vertical stud-bracket
10	EA143/4H		4 gang vertical stud-bracket
10	EA503/2W		2 gang horizontal render-bracket
10	EA503/3W		3 gang horizontal render-bracket
10	EA503/2H		2 gang vertical render-bracket
10	EA503/3H		3 gang vertical render-bracket
10	EA503/4H		4 gang vertical render-bracket

Soliroc™

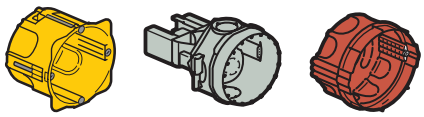
Solid as a rock

Installing Soliroc™ is as easy as lego.
Combine with Batibox boxes for a simple and secure installation.

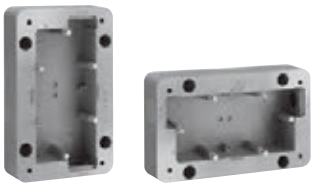
Legrand flush-mountig box BATIBOX



Dry partitions | Concrete | Masonry



3 FLUSH-MOUNTING BOX VERSIONS |
Accept all Soliroc functions



SOLIROC 1 AND 2 GANG SURFACE BOXES |
For surface-mounting installations

UNIVERSAL SUPPORT FRAME |
Just snap in any Soliroc mechanism
71 mm fixing centre.
Can be assembled for
multi-gang installations

AUTOMATIC CONNECTION MECHANISMS |
10 switches and push buttons come with automatic terminals to save you precious time on installation

FLUSH-MOUNTING BOXES | UNIVERSAL SUPPORTS

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

ARTEOR ADAPTOR OPTIONS |
- with cover
- with cover and key
- without cover

For fitting Arteor functions

METAL ALLOY |
Finishing plate for guaranteed toughness in 1, 2 or 3 gang (horizontal or vertical mounting).
Strong resistance against scratches, graffiti and lighter flames. Great resistance to salt
- suitable for coastal areas

SMOOTH TRANSITION |
Between mechanism and cover plate, preventing a firm grasp on the device

BLANKING PLUGS |
To cover the 4 fixing points.
Can only be removed by drilling.
Replacement plugs available

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For pack quantity, please refer to numerical index pages

Soliroc™
Lighting control units

778 11

778 25

Suitable for public buildings, unsupervised passageways, car parks and communal areas in buildings
High resistance to IK 10 impacts and humidity

Switches 10 AX - 250 V~ - IK 10 - IP 55

Pack	Cat.No.	
1	778 11	2-way switch
1	778 21	Intermediate switch
1	778 12	Illuminated 2-way switch Supplied complete with lamp Cat.No 676 66
1	778 14	2-way indicator switch Supplied complete with lamp Cat.No 676 68
1	778 13	2-way switch with label holder
1	778 22	Double pole switch 20AX

Complete switch 10AX - 250V - IK 10 - IP 55

Pack	Cat.No.	
1	778 93	2-way switch 802 51 + 778 11 + 778 51

Automatic switches - IK 10 - IP 55

Infrared detection
Detection range adjustable from 3 m to 10 m
Horizontal detection angle: 180°
Light level threshold adjustable from 3 to 1000 lux
Time delay adjustable from one second to 16s with repetition of cycle as long as movement is detected
Remote manual control possible with normally closed pushbutton
Integrated self-protection against overloads and short-circuits
Should preferably be installed in box depth 50 mm

With neutral, 3-wire 1 000 W

Pack	Cat.No.	
1	778 25	For controlling lamps: - Up to 1 000 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

Pack	Cat.No.	
1	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

Pushbuttons 6 A - 230 V~ - IK 10 - IP 55

Pack	Cat.No.	
1	778 41	Two-way pushbutton NO-NC contact

Soliroc™
Other controls

778 74

697 95

Time-delayed switch - IK 10 - IP 55

Pack	Cat.No.	
1	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 secondes to 15 minutes

Keyswitches - IK 10 - IP 54

To be equipped with european key barrel Cat.No 697 95
To be fitted with flush-mounting boxes depth 50 mm

Pack	Cat.No.	
1	778 74	2-position keyswitch, double pole 2 NO contacts - 6 A - 230 V Key can be removed in either position
1	778 75	3-position key-operated pushbutton Changeover switch with off position 6 A - 230 V Key can be removed in off position
1	697 95	European key barrel. Supplied with 1 set of 3 keys.

Illuminated sign 230 V~ - IK 10 - IP 55

Pack	Cat.No.	
1	778 68	Mechanism incorporating white LEDs and a pivoting window which can take pre-printed labels 2 choices of power rating (0,2 W or 1 W)

Passage lighting - IK 10 - IP 55

Pack	Cat.No.	
1	778 67	For lighting a staircase, etc 250 V~ Supplied complete with: - Soliroc plate 5 modules - 1 set of 4 blanking plugs 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

Light sensitive switch 230V - IK 10 - IP 55

Pack	Cat.No.	
1	778 28	For switching lighting circuit ON and OFF based on light conditions. Maximum load: 1400W incandescent and halogen lamps 230 V~ 400 VA fluorescent tubes. Luminosity threshold 0.5 to 1500 lux

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Soliroc™
Sockets, cable outlets

778 91

778 50

Suitable for public buildings, unsupervised passageways, car parks, communal areas in buildings
High resistance to IK 10 impacts and humidity

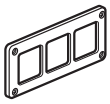
Pack	Cat.No.	Complete socket - IK 10 - IP 55
1	778 94	1 gang - 10A - Autoswitched 802 51 + AR787AMMGN + 778 80A
1	778 91	**Network socket - IK 10 - IP 20** Cat.6 RJ 45 socket - FTP
1	778 50	**Cable outlet - IK 10 - IP 55** Supplied with cable grip

Soliroc™
Plates, surface-mounting boxes, accessories

778 51

778 80 + 5722 81

1 set of 4 blanking plugs included

Pack	Cat.No.	Plates - IK 10
		Set of 4 blanking plugs included
1	778 51	1-gang plate 110 x 110 mm
1	778 52	2-gang plate 110 x 181 mm Horizontal or vertical mounting 71 mm fixing centres
1	778 53	 3-gang plate 110 x 252 mm Horizontal or vertical mounting 71 mm fixing centres

Pack	Cat.No.	Accessories
		Soliroc **Replacement blanking plugs**
5	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	778 85	For 1-gang plate
1	778 86	For 2-gang plate
1	778 87	For 3-gang plate
		Blanking plate
1	778 66	2 modules
		Arteor adaptors Take 2-module Arteor mechanisms (except special surface-mounting type)
1	778 80A	Adaptor with cover - IP 55 - IK 10
1	778 81	Adaptor without cover - IP 20
1	778 84A	Adaptor with cover and key - IP 55 - IK 10

Batibox™
Universal supports

778 83

778 90

802 51

Pack	Cat.No.	
10	802 51	**Batibox screw fixing support** For 71 mm fixing centres Supplied with site protection Bi-material supports for enhanced rigidity Equipped with removable spacers for installation of Arteor For 1 gang - 2 modules Universal support for mounting on all types of screw-mounting boxes Can be used to make up multi-gang configurations by joining boxes vertically and horizontally
1	778 83	**Sealing accessory** For round concrete or masonry flush-mounting boxes. Can be assembled for 1,2,3 gang installations.
1	778 90	**Surface-mounting boxes - IK10** Cannot be used for Cat.No. 778 74/75 key switches Supplied with 4 blanking plugs Take ISO 20 protective conductors 1-gang 110 x 110 x 45 mm
1	778 92	2-gang 110 x 181 x 45 mm Horizontal or vertical mounting 71 mm fixing centres

Batibox™
Flush-mounting boxes

819 42

801 42

800 42

Can be used horizontally and vertically

Pack	Cat.No.	
		Boxes for concrete walls
50	81941A	1-gang box for concrete walls. Box can be joined side to side for multi-gang installation
50	819 42	2-gang box for concrete walls. Blanking cover included.
20	819 72	1-gang blanking cover.
		Boxes for masonry
100	801 08	1-gang box for masonry - Round. Box can be joined back to back by 1/4 of a turn
100	801 51	1-gang box for masonry - Square. Box can be joined side to side for multi-gang installation
40	801 42	2-gang box for masonry.
20	801 43	3-gang box for masonry.
		Boxes for dry partitions Drilling diameter 67mm
50	800 41	1-gang box for plasterboard. 40mm depth.
50	800 51	1-gang box for plasterboard. 50mm depth.
40	800 42	2-gang box for plasterboard. 40mm depth.
40	800 52	2-gang box for plasterboard. 50mm depth.
20	800 43	3-gang box for plasterboard. 40mm depth.
20	800 53	3-gang box for plasterboard. 50mm depth.
1	800 67	Supplied with centring drill Bi-metallic hole cutter. Equipped with an extractor spring Ø67mm 1 to 4 gang boxes. For use in the following materials: plasterboard, wood, fibreboard, stainless steel reinforced life M3 HSS teeth. Pilot drill with carbide tip

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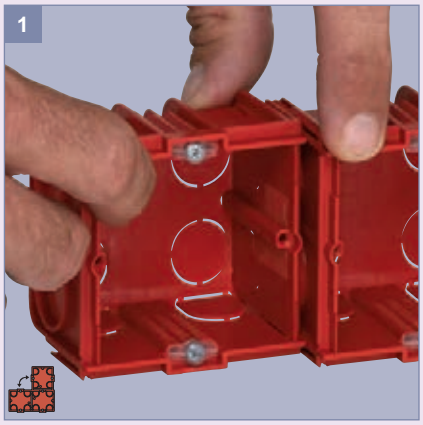
For pack quantity, please refer to numerical index pages

Batibox™
Flush-mounting boxes for masonry

■ Installation

1

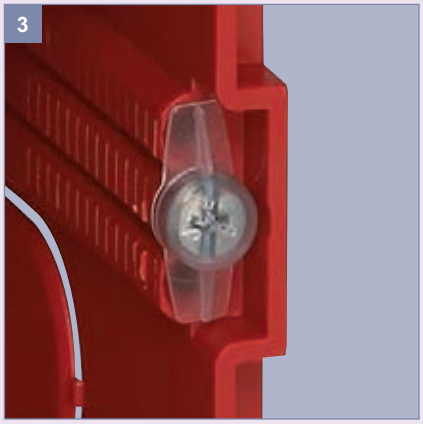


Horizontal or vertical joining of 1 gang boxes (Cat.No 801 41)

2

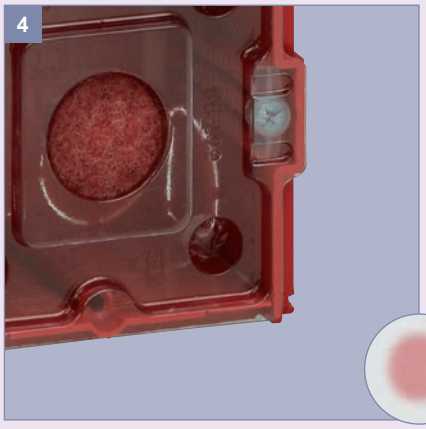
The sides can be removed before or after joining

3



The screws are supplied with protection cap (against plaster)

4



Protection cover (Cat.No 801 99) Colour marking for identifying after plastering

Batibox™
Flush-mounting boxes for dry partitions

■ Installation

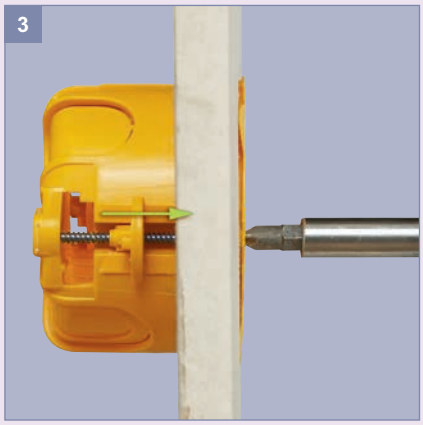
1

Hole cutter saw Ø67 Box Ø67 mm, more space for cabling

2

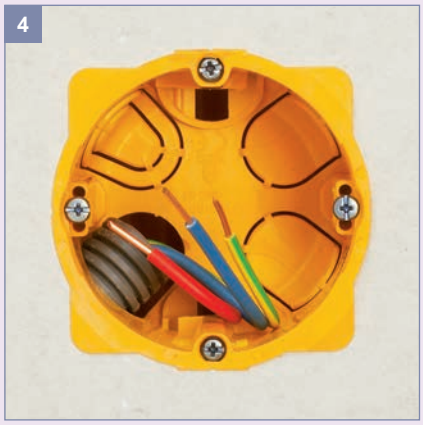
Retractable fixing claws for a better comfort during installation

3

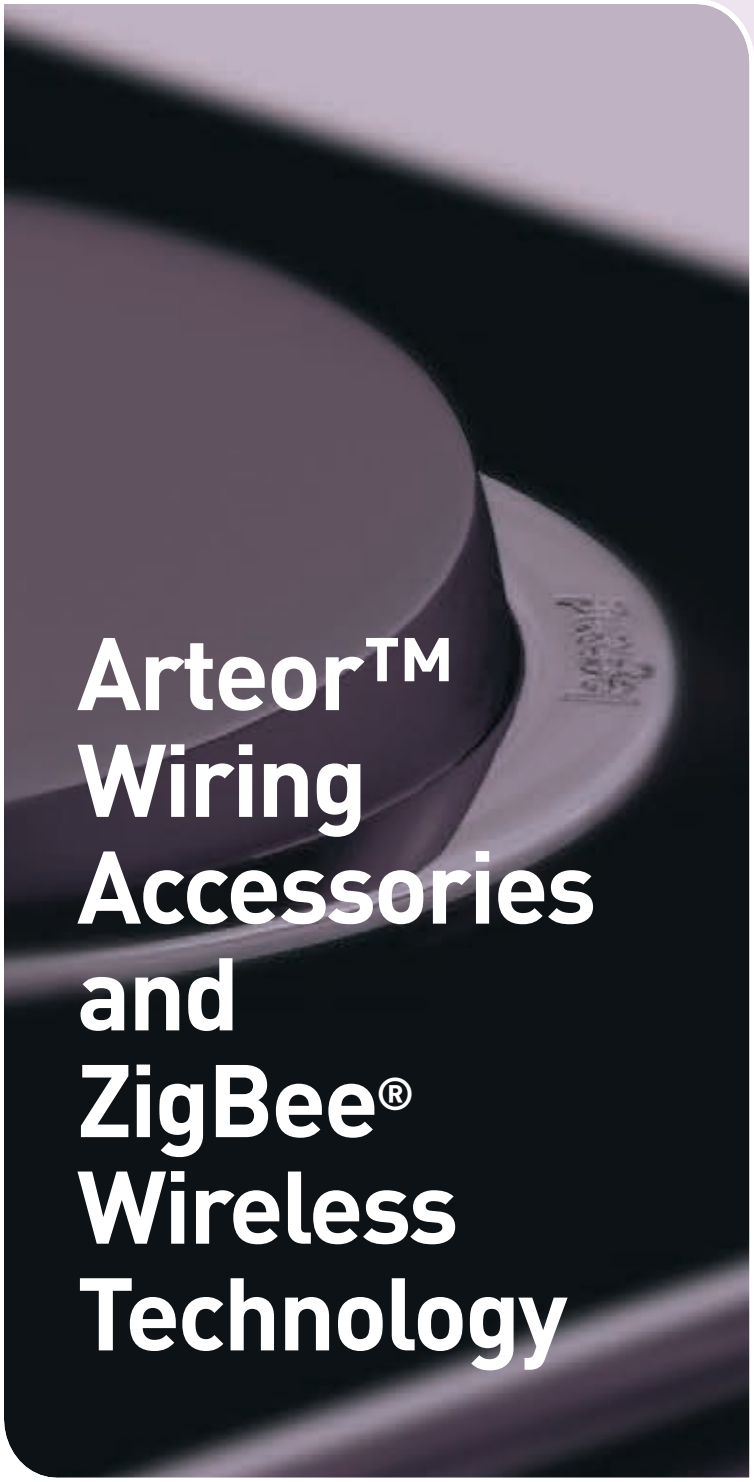


Fixing claws adapted to the thickness of the wall Automatic positioning, even with an electric screwdriver

4

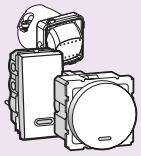


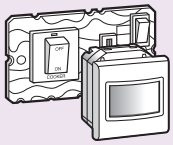
Large space to improve fixing (according to the drilling Ø67 to 68 mm)

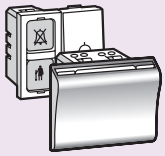


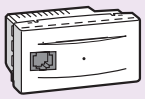
Arteor™ Wiring Accessories and ZigBee® Wireless Technology

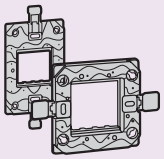
Arteor™ wiring accessories


P. 238 Switches

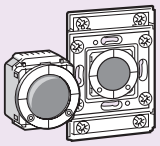

P. 242 Automatic, switches


P. 245 Hotel equipment


P. 254 Ethernet switches, Wi-Fi access point


P. 258 Support frames

ZigBee® wireless technology


P. 268 Lighting control and automation mechanisms

Whilst most items are stock lines some products are made to order
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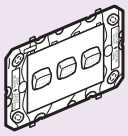
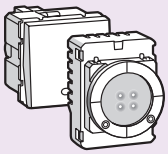
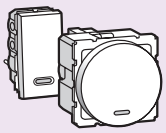


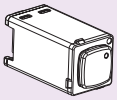
P. 239
Grids and grids with mechanisms



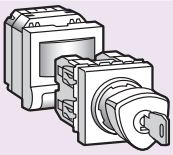
P. 240
Electronic switches



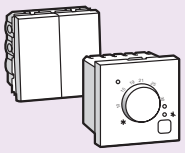
P. 241
Push-buttons



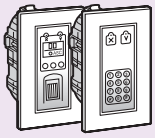
P. 242
Dimmers



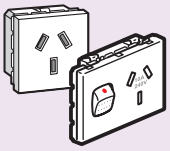
P. 243
Lighting control visual indication



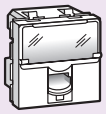
P. 244
Ventilation, heating control, roller blinds and curtain switches



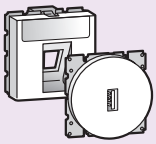
P. 250
Access control



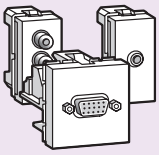
P. 251
Standard socket outlets



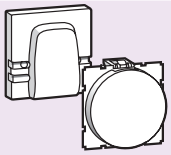
P. 252
Television, telephone and data sockets



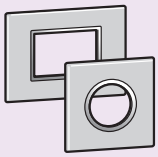
P. 255
Adaptors for data sockets and USB sockets



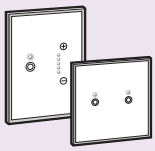
P. 256
Audio and video sockets



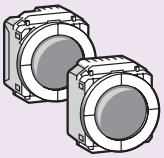
P. 258
Ancillary mechanisms, blanking plates



P. 259
Plates



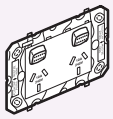
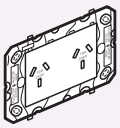
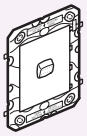
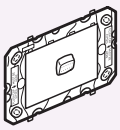
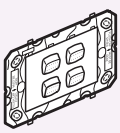
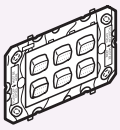
P. 269
Touch plates



P. 269
Other functions

P. 270
Switches, dimmers max. loads (selection chart)

Arteor™ quick reference guide
Wiring devices

Device	Description	Mechanism			
Single socket outlets	10A single switched socket outlet (3 module)	White / Magnesium: 5719 17 / 5719 67		White: AR787AMWE	Magnesium: AR787AMMGN
	15A single switched socket outlet (3 module)			AR787/15AMWE	AR787/15AMMGN
	10A single switched socket outlet with round earth (3 module)	(1 Module)	(2 Module)	AR787ARMWE	AR787ARMMGN
	10A single switched socket outlet (3 module)		(3 Module)	AR787WE	AR787MGN
	10A single autoswitched socket outlet (2 module)		(2 Module)	AR787AMWE	AR787AMMGN
	15A single autoswitched socket outlet (2 module)		(2 Module)	AR787/15AMWE	AR787/15AMMGN
	10A single autoswitched socket outlet with round earth (2 module)		(2 Module)	AR787ARMWE	AR787ARMMGN
Double socket outlets	10A double switched socket outlet	Australian standard size with integrated support frame		AR777WE	AR777MGN
	10A double autoswitched socket outlet	Australian standard size with integrated support frame		AR777AWE	AR777AMGN
Complete switches	16AX 1 gang switch vertical	Australian standard size with integrated support frame		AR770/1WE	AR770/1MGN
	16AX 1 gang switch horizontal	Australian standard size with integrated support frame		AR770/1HWE	AR770/1HMGN
	16AX 4 gang switch horizontal	Australian standard size with integrated support frame		AR770/4HWE	AR770/4HMGN
	16AX 6 gang switch horizontal	Australian standard size with integrated support frame		AR770/6HWE	AR770/6HMGN

Whilst most items are stock lines some products are made to order
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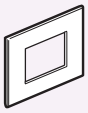
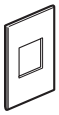
	Support frame				Plates
+	 5719 20 **Horizontal use only for 2 or 3 modules**			+	 **White** 5750 10 · **Pearl Alu** 5750 11 · **Mirror White** 5750 74 · **Mirror Black** 5752 73 · **Stainless Steel** 5752 76 · **Woven Metal** 5764 57 For full selection of plates see page 259 - 263
+	 5719 20 **Horizontal use only for 2 or 3 modules**	**OR**	 5719 10 **Vertical use only for 2 modules**	+	**Horizontal Installation** **White** 5752 30 · **Pearl Alu** 5752 31 · **Graphite** 5752 32 For full selection of plates see page 259 - 263 **Vertical Installation**  **White** 5752 50 · **Pearl Alu** 5752 51 · **Graphite** 5752 52 For full selection of plates see page 259 - 263
+	N/A Integrated support frames			+	 **White** 5754 30 · **Pearl Alu** 5754 31 · **Graphite** 5754 32 · **Edition 1** 5764 78 · **Casual** 5764 71 **Formal** 5764 72 · **Mirror White** 5754 34 · **Mirror Black** 5754 33 · **Mirror Red** 5764 76 · **Mirror Taupe** 5764 75 **Stainless Steel** 5754 36 · **Gold Brass** 5764 70 · **Wenge Style** 5754 35 · **Light Oak** 5764 79 · **Club** 5764 73 **Galuchat** 5764 74 · **Woven Metal** 5764 77

Arteor™ quick reference guide
Wiring devices

Device	Description	Mechanism	White	Magnesium
Square Data socket	Square Cat. 5e RJ45 socket	(2 Module)	5723 15	
Square complete switches	16AX square 1 gang switch	(2 Module)	5719 19	5719 69
	16AX square 1 gang switch with LED indicator	(2 Module)	5719 29	5719 79
	16AX square 2 gang switch	2 x (1 Module)	5719 17	5719 67
	20AX square 3 gang switch	(2 Module)	5720 44	5725 44
	16AX square 3 gang horizontal switch	3 x (1 Module)	5719 17	5719 67
Round AV Socket	Round 3 x female RCA	(2 Module)	5732 73	5737 73
Round complete switches	16AX round 1 gang switch	(2 Module)	5719 39	5719 89
	16AX round 1 gang switch with LED indicator	(2 Module)	5719 49	5719 99
	16AX round 2 gang switch	(1 Module left) + (1 Module right)	5719 36 5719 38	5719 86 5719 88
	20AX round 3 gang switch	(2 Module)	5730 73	5731 73
	16AX round 3 gang horizontal switch	(1 Module left) + (1 Module middle) + (1 Module right)	5719 36 5719 38	5719 86 5719 87 5719 88

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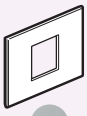
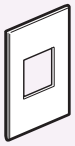
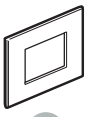
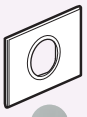
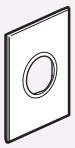
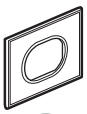
Support frame					Plates	
	Horizontal		Vertical		Horizontal Installation	Vertical Installation
+	 5719 20 **Horizontal use only for 2 or 3 modules**	**OR**	 5719 10 **Vertical use only for 2 modules**	+	 **White** 5752 30 **Pearl Alu** 5752 31 **Graphite** 5752 32 For full selection of plates see page 259 - 263	 **White** 5752 50 **Pearl Alu** 5752 51 **Graphite** 5752 52 For full selection of plates see page 259 - 263
+	 5719 20 **Horizontal use only for 2 or 3 modules**	**OR**	N/A	+	 **White** 5750 10 **Pearl Alu** 5750 11 **Graphite** 5750 12 For full selection of plates see page 259 - 263	N/A
+	 5719 20 **Horizontal use only for 2 or 3 modules**	**OR**	 5719 10 **Vertical use only for 2 modules**	+	 **White** 5756 20 **Pearl Alu** 5756 21 **Graphite** 5756 22 For full selection of plates see page 259 - 263	 **White** 5756 30 **Pearl Alu** 5756 31 **Graphite** 5756 32 For full selection of plates see page 259 - 263
+	 5719 20 **Horizontal use only for 2 or 3 modules**	**OR**	N/A	+	 **White** 5755 00 **Pearl Alu** 5755 01 **Graphite** 5755 02 For full selection of plates see page 259 - 263	N/A

Arteor™ quick reference guide

Coverplates for standard wiring devices with 83.5 mounting centres

Number of modules per mechanism	Flush-mounting accessories	Support frames	Plates	PLATES					
				Neutral			Tattoo	Graphic	
				White	Pearl Alu	Graphite	Edition 1	Casual	Formal
SQUARE VERSION HORIZONTAL									
2 modules and 1.2" touch screen	Standard installation accessories	5719 20		5752 30	5752 31	5752 32	5764 38	5764 31	5764 32
3 modules		5719 20		5750 10	5750 11	5750 12	5764 58	5764 51	5764 52
Blanking cover plate		–		5754 10	5754 11	5754 12	-	-	-
SQUARE VERSION VERTICAL									
2 modules and 1.2" touch screen	Standard installation accessories	5719 10		5752 50	5752 51	5752 52	5764 38	5764 31	5764 32
ROUND VERSION HORIZONTAL									
2 modules	Standard installation accessories	5719 20		5756 20	5756 21	5756 22	5764 28	5764 21	5764 22
3 modules		5719 20		5755 00	5755 01	5755 02	5764 48	5764 41	5764 42
ROUND VERSION VERTICAL									
2 modules	Standard installation accessories	5719 10		5756 30	5756 31	5756 32	5764 28	5764 21	5764 22
AUSTRALIAN VERSION									
770 series switches, double switched and double autoswitched power points	Standard installation accessories	–		5754 30	5754 31	5754 32	5764 78	5764 71	5764 72

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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
	5752 54	5752 53	5764 36	5764 35	5752 56	5764 30	5752 55	5764 39	5764 33	5764 34	5764 37
	5752 74	5752 73	5764 56	5764 55	5752 76	5764 50	5752 75	5764 59	5764 53	5764 54	5764 57
	-	-	-	-	-	-	-	-	-	-	-
	5752 54	5752 53	5764 36	5764 35	5752 56	5764 30	5752 55	5764 39	5764 33	5764 34	5764 37
	5756 34	5756 33	5764 26	5764 25	5756 36	5764 20	5756 35	5764 29	5764 23	5764 24	5764 27
	5756 54	5756 53	5764 46	5764 45	5756 56	5764 40	5756 55	5764 49	5764 43	5764 44	5764 47
	5756 34	5756 33	5764 26	5764 25	5756 36	5764 20	5756 35	5764 29	5764 23	5764 24	5764 27
	5754 34	5754 33	5764 76	5764 75	5754 36	5764 70	5754 35	5764 79	5764 73	5764 74	5764 77

Whilst most items are stock lines some products are made to order
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Arteor™ quick reference guide

Coverplates for Zigbee & BUS/SCS products with standard 83.5 mm mounting centres

Number of modules per mechanism	Masonry boxes	Flush-mounting boxes for dry partitions	Support frames	Plates	PLATES					
					Neutral			Tattoo	Graphic	
					White	Pearl Alu	Graphite	Edition 1	Casual	Formal
SQUARE VERSION HORIZONTAL										
2 modules and 1.2" touch screen	Standard installation accessories		5719 20		5752 30	5752 31	5752 32	5764 38	5764 31	5764 32
SQUARE VERSION VERTICAL										
2 modules and 1.2" touch screen	Standard installation accessories		5719 10		5752 50	5752 51	5752 52	5764 38	5764 31	5764 32
ROUND VERSION HORIZONTAL										
2 modules	Standard installation accessories		5719 20		5756 20	5756 21	5756 22	5764 28	5764 21	5764 22
3 modules			5719 20		5755 00	5755 01	5755 02	5764 48	5764 41	5764 42
ROUND VERSION VERTICAL										
2 modules	Standard installation accessories		5719 10		5756 30	5756 31	5756 32	5764 28	5764 21	5764 22

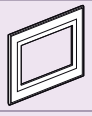
Arteor™ quick reference guide

Coverplates for Zigbee & BUS/SCS products - French & German 60 mm centres

ROUND VERSION										
2 x 1 module 2 modules	801 41	800 41	5760 21 (screws) 5760 20 (claws)		5756 00	5756 01	5756 02	5762 38	5762 31	5762 32
2 x 2 modules	2 x 801 41	800 42	2 x 5760 21		5755 10	5755 11	5755 12	5762 58	5762 51	5762 52
3 x 2 modules	3 x 801 41	800 43	3 x 5760 21		5755 20	5755 21	5755 22	-	-	-

Arteor™ quick reference guide

Special plates

Video internal display unit and 3.5" touch screen					-	-	-	-	-	-
10" multimedia touch screen	-	-			-	-	-	-	-	-
Central unit for: - temperature control - intruder alarm	Supplied with box		-		-	-	-	-	-	-

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

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
	5752 54	5752 53	5764 36	5764 35	5752 56	5764 30	5752 55	5764 39	5764 33	5764 34	5764 37
	5752 54	5752 53	5764 36	5764 35	5752 56	5764 30	5752 55	5764 39	5764 33	5764 34	5764 37
	5756 34	5756 33	5764 26	5764 25	5756 36	5764 20	5756 35	5764 29	5764 23	5764 24	5764 27
	5756 54	5756 53	5764 46	5764 45	5756 56	5764 40	5756 55	5764 49	5764 43	5764 44	5764 47
	5756 34	5756 33	5764 26	5764 25	5756 36	5764 20	5756 35	5764 29	5764 23	5764 24	5764 27
	5756 04	5756 03	5762 36	5762 35	5756 06	5762 30	5756 05	5762 39	5762 33	5762 34	5762 37
	5755 14	5755 13	5762 56	5762 55	5755 16	5762 50	5755 15	5762 59	5762 53	5762 54	5762 57
	5755 24	5755 23	-	-	5755 26	-	-	-	-	-	-
	5764 84	5764 83	-	-	5764 86	5764 80	-	-	-	-	5764 87
	5765 14	5765 13	-	-	5765 16	5765 10	-	-	-	-	5765 17
	5765 24	5765 23	-	-	5765 26	5765 20	-	-	-	-	5765 37

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For pack quantity, please refer to numerical index pages

Arteor™ mechanical switches
Square version

5719 17

5725 11

5720 44

5725 44

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White, Magnesium or Red square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Switches 16 AX - 250 V~
			Single module mechanisms
10	5719 17	5719 67	2-way switch
10	5719 27	5719 77	2-way switch with LED indicator (supplied with mechanism)
			Two module mechanisms
10	5719 19	5719 69	2-way switch
10	5719 29	5719 79	2-way switch with LED indicator (supplied with mechanism)

Pack	Cat. No. White	Cat. No. Magnesium	Switches 20 AX - 250 V~
			Single module mechanisms 1 module 22.5 x 45 mm
10	5720 10	5725 10	2-way switch
10	5720 11	5725 11	2-way switch with indicator To be equipped with LED (p. 166
			Two module mechanisms 2 modules 22.5 x 45 mm
10 5	5720 42	5725 42	2-way switch with indicator To be equipped with LED (p. 166)
10	5720 44	5725 44	2 x 2-way switch + 1-way switch 3 gang
10	5720 48	5725 48	2-way - double pole switch
10	5720 47	5725 47	1-way - double pole switch with indicator Red LED supplied

Arteor™ mechanical switches
Round version

5719 86

5719 87

5719 88

5719 49

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium round rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Switches 16 AX - 250 V~
			Single module mechanisms
10	5719 36	5719 86	2-way switch round left
10	5719 37	5719 87	2-way switch round middle
10	5719 38	5719 88	2-way switch round right
10	5719 46	5719 96	2-way switch with indicator left module (LED indicator supplied with mechanism)
10	5719 47	5719 97	2-way switch with indicator middle module (LED indicator supplied with mechanism)
10	5719 48	5719 98	2-way switch with indicator right module (LED indicator supplied with mechanism)
			Two module mechanisms
10	5719 39	5719 89	2-way switch
10	5719 49	5719 99	2-way switch with LED indicator (supplied with mechanism)

Pack	Cat. No. White	Cat. No. Magnesium	Switches 20 AX - 250 V~ (continued)
			Two module mechanisms 2 modules 22.5 x 45 mm
10	5730 70	5731 70	1-way switch
5	5730 71	5731 71	2-way switch with indicator To be equipped with LED (p. 166)
10 5	5730 73	5731 73	2 x 2-way switch + 1-way switch 3 gang
10 5	5730 77	5731 77	2-way - double pole switch
10	5730 76	5731 76	1-way - double pole switch with indicator - Red LED supplied

*Some Arteor™ products shown here may not be available in Australia and New Zealand.
Please contact our sales office for international specifications requirements.

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For pack quantity, please refer to numerical index pages

Arteor™ switches
770 version

AR770MWE

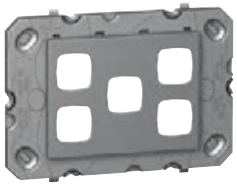
AR883

Mechanisms supplied with White or Magnesium 770 rocker plates To be equipped with Australian series of support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	
			Electronic push button switches
			770 series switch mechanisms, 240V ~
10	AR883MWE	AR883MMGM	5A electronic switch mechanism (neutral required at switch)
			Mechanical switch mechanisms
10	AR770MWE	AR770MMGN	16A switch mechanism, 1-2 way & loop
10	AR770/202MWE	AR770/202MMGN	20A switch mechanism 1-2 way & loop
10	AR769P16MWE	AR769P16MMGN	16A double pole, single throw switch mechanism
10	AR770XMWE	AR770XMMGN	16A spring return switch mechanism
10	AR770IMWE	AR770IMMGN	10A intermediate switch mechanism
10	AR770/35MWE	AR770/35MMGN	35A switch mechanism 1 way loop
10	AR770/35MOVENWE	AR770/35MOVENMGN	35A switch mechanism 1 way loop marked oven
			Single pole, mechanical push button switch, 240V a.c.
10	AR870MWE	AR870MMGN	10A mechanical push button switch. Size: 24mm sqaure x 25mm deep from back of plate
10	AR870IMWE	AR870IMMGN	10A mechanical push button intermediate switch. Size: 24mm sqaure x 25mm deep from back of plate
			Printed switch mechanisms
10	AR770MFANWE	AR770MFANMGN	16A switch mechanism, 1-2 way & loop - marked, fan
10	AR770MHEATWE	AR770MHEATMGN	16A switch mechanism, 1-2 way & loop - marked, heat
10	AR770MLIGHTWE	AR770MLIGHTMGN	16A switch mechanism, 1-2 way & loop - marked, light
10	AR770MWASTEWE	AR770MWASTEMGN	16A switch mechanism, 1-2 way & loop - marked, waste
10	AR770MONOFFWE	AR770MONOFFMGN	16A switch mechanism, 1-2 way & loop - marked, on off
	AR770MZONE1WE	AR770MZONE1MGN	16A switch mechanism, 1-2 way & loop - marked, zone 1
10	AR770MZONE2WE	AR770MZONE2MGN	16A switch mechanism, 1-2 way & loop - marked, zone 2
10	AR770MZONE3WE	AR770MZONE3MGN	16A switch mechanism, 1-2 way & loop - marked, zone 3
10	AR770MZONE4WE	AR770MZONE4MGN	16A switch mechanism, 1-2 way & loop - marked, zone 4

Arteor™ grid & mechanisms
Grid only

AR770/1HWE


AR770/5GOMGN

Plates selection chart (p. 234)
Suitable mechanisms (p. 235, 242)

Pack	Cat. No. White	Cat. No. Magnesium	
			Grid & mechanisms
			Grid complete with 16AX switch mechanism
10	AR770/1HWE	AR770/1HMGN	1 gang horizontal switch
10	AR770/1WE	AR770/1MGN	1 gang vertical switch
10	AR770/2HWE	AR770/2HMGN	2 gang horizontal switch
10	AR770/2WE	AR770/2MGN	2 gang vertical switch
10	AR770/3HWE	AR770/3HMGN	3 gang horizontal switch
10	AR770/3WE	AR770/3MGN	3 gang vertical switch
10	AR770/4HWE	AR770/4HMGN	4 gang horizontal switch
10	AR770/4WE	AR770/4MGN	4 gang vertical switch
10	AR770/5HWE	AR770/5HMGN	5 gang horizontal switch
10	AR770/5WE	AR770/5MGN	5 gang vertical switch
10	AR770/6HWE	AR770/6HMGN	6 gang horizontal switch
10	AR770/6WE	AR770/6MGN	6 gang vertical switch

			Grid only
			Grid ready to accept any 770 series of switch mechanism
10	AR770/1GOWE	AR770/1GOMGN	1 gang grid only without mechanism
10	AR770/2GOWE	AR770/2GOMGN	2 gang grid only without mechanism
10	AR770/3GOWE	AR770/3GOMGN	3 gang grid only without mechanism
10	AR770/4GOWE	AR770/4GOMGN	4 gang grid only without mechanism
10	AR770/5GOWE	AR770/5GOMGN	5 gang grid only without mechanism
10	AR770/6GOWE	AR770/6GOMGN	6 gang grid only without mechanism

Whilst most items are stock lines some products are made to order
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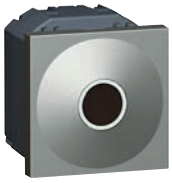
For pack quantity, please refer to numerical index pages

Arteor™ electronic switches
Square version

5740 03

5740 01



Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Micropush switches - 100/240 V~
			With neutral
			With Magnesium push control
1	5740 03	5740 53	2-way switch 1000 W with LED locator To be mounted on 3-module support frame
1	5740 00	5740 50	2-way switch 2 x 1000 W with LED locator To be mounted on 3-module support frame
1	5740 01	5740 51	2-way switch 3 x 1000 W with LED locator To be mounted on 3-module support frame

Pack	Cat. No. White	Cat. No. Magnesium	Sensitive switches - 100/240 V~
1	5720 51	5734 55	For controlling light sources by simply passing the hand in front of the switch Up to 5 sensitive switches can be combined to control the same lighting circuit Supplied with LED indicator light 2 modules 45 x 45 mm

Arteor™ electronic switches
Round version

5743 00

5736 55

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium round rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Micropush switches - 100/240 V~
			With neutral
			With Magnesium circular push control
1	5743 03	5743 53	2-way switch 1000 W with LED locator To be mounted on 3-module support frame
1	5743 00	5743 50	2-way switch 2 x 1000 W with LED locator To be mounted on 3-module support frame
1	5743 01	5743 51	2-way switch 3 x 1000 W with LED locator To be mounted on 3-module support frame

Pack	Cat. No. White	Cat. No. Magnesium	Sensitive switches - 100/240 V~
1	5725 51	5736 55	For controlling light sources by simply passing the hand in front of the switch Up to 5 sensitive switches can be combined to control the same lighting circuit Supplied with LED indicator light 2 modules 45 x 45 mm

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ push buttons
Square version

5720 15

5725 33

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames (p. 258) and plates (p. 259 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Push-buttons 6 A - 250 V~
			Single module mechanisms 1 module 22.5 x 45 mm
10	5720 00	5725 00	1-way push-button
10/5	5720 01	5725 01	2-way push-button
10	5720 02	5725 02	2-way push-button with locator Equipped with blue LED
10/5	5720 03	5725 03	2-way push-button with label-holder
5	5720 15	5725 15	1-way push-button with bell symbol
5	5720 16	5725 16	Push-button with locator and bell symbol Equipped with blue LED
			Two module mechanisms 2 modules 45 x 45 mm
10	5720 30	5725 30	1-way push-button
10/5	5720 31	5725 31	2-way push-button
10/5	5720 32	5725 32	2-way push-button with locator Equipped with blue LED
10	5720 33	5725 33	2-way push-button with label-holder
5	5720 56	5725 56	1-way push-button with bell symbol

Arteor™ push buttons
Round version

5730 00

5730 01

5730 52

5731 52

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium round rocker plates
To be equipped with support frames (p. 258) and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Push-buttons 6 A - 250 V~
			Single module mechanisms 1 module 22.5 x 45 mm
10	5730 00	5731 00	1-way push-button - left module
10	5730 01	5731 01	1-way push-button - middle module
10	5730 02	5731 02	1-way push-button - right module
			Two module mechanisms 2 modules 45 x 45 mm
10	5730 50	5731 50	1-way push-button
5	5730 51	5731 51	2-way push-button
5	5730 52	5731 52	2-way push-button with locator Equipped with blue LED
10 5	5730 53	5731 53	2-way push-button with label-holder
5	5730 80	5731 80	1-way push-button with bell symbol

Arteor™ automatic switches

Arteor™ dimmers
770 version

5720 53

5740 62

AR400TMWE

AR450PMMGN

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames (p. 239) and plates (p. 259 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Automatic switches - 100/240 V~
			Movement IR detection Adjustable detection distance from 3 to 10 m Horizontal detection angle: 180° Adjustable luminosity threshold: 3 to 1000 lux Time delay adjustable from 1 s to 16 min Cycle repeated as long as movement is detected Possible remote manual control with N/C push-button Integrated self-protection against overloads and short-circuits Installation in box min. depth 40 mm recommended 2 modules 45 x 45 mm
1	5720 53	5740 61	**With neutral, 3-wire - 1000 W** Operates: - up to 1000 W incandescent and halogen lamps - up to 500 VA ELV halogen lamps with ferromagnetic or electronic transformer, fluorescent tubes and compact fluorescent lamps
1	5720 52	5740 62	**Without neutral, 2-wire - 400 W** Operates: - up to 400 W incandescent and halogen lamps - up to 400 VA ELV halogen lamps with ferromagnetic or electronic transformer

Pack	Cat. No. White	Cat. No. Magnesium	Dimmers
			770 series dimmer mechanisms, 240V ~
10	AR400LMWE	AR400LMMGN	400VA leading edge dimmer mechanism
10	AR400TMWE	AR400TMMGN	400VA trailing edge dimmer mechanism
10	AR450PMWE	AR450PMMGN	450VA universal push button dimmer mechanism
10	AR450SMWE	AR450SMMGN	Secondary control mechanism (slave to be used with universal push button dimmer mechanism & AR883 electronic push button switch)

Load Type	T Series (trailing edge)	L Series (leading edge)	Universal
Incandescent	✓	✓	✓
240V linear halogen	✓	✓	✓
Low voltage halogen with electronic transformer	✓	✗	✓
Low voltage halogen with wirewound transformer	✗	✓	✓
GU10 240V halogen downlights	✗	✓	✓

Dimmer Capacity	T Series (trailing edge)	L Series (leading edge)			
		Normal	with wirewound transformer	Normal	with wirewound transformer
400	400W	400W	320W	-	-
450	-	-	-	450W	270W

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ lighting control
Emergency push-buttons

5720 55

5723 63

5723 62

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	
Time delay switches			
1	5720 55	5740 84	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 2-wire installation in box min. depth 40 mm With integrated LED 2 modules 45 x 45 mm
Single pole latching relays			
1	5722 27	5727 27	10 A - 250 V~ - 50/60 Hz With integrated push-button Intensity 0.04 A 2 modules 45 x 45 mm
Emergency stop mushroom head push-buttons			
			With key
1	5723 63		N/O + N/C 10 A - 250 V~ Unlock with RONIS key no. 601 2 modules 45 x 45 mm
			1/4 turn
1	5723 62		N/O + N/C 10 A - 250 V~ 1/4 turn unlocking 2 modules 45 x 45 mm
Key switches			
10	5722 32	5727 32	1 module 22.5 x 45 mm 2-way
10	5722 33	5727 33	Double pole

Arteor™ visual indication

5727 26

5724 52

5724 53

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	
Miniature safety lighting unit		
1	5722 22	Illuminates automatically upon power failure Unclips from frame to become portable Can be permanently attached to frame LEDs indicating mains and charging status
Skirting lights		
		2 modules 45 x 45 mm For installation close to obstacles
		Standard
		With LED 230 V - 0.2 or 1 W
1	5722 21	Square version
1	5732 21	Round version
		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	5722 26	Square version
Illuminated lighting unit		
10	5724 52	230 V - 1 W Supplied with 4 coloured labels 1 module 22.5 x 45 mm
Overdoor lighting units		
		Supplied with diffusers and LED 2 modules: 45 x 45 mm
10	5724 53	Red diffuser
10	5722 23	White diffuser
Lamps		
10	5724 56	LED 230 V for locator switch - blue
10	5724 55	LED 230 V for indicator switch - red
10	5724 57	LED 24 V for indicator switch - red
10	5724 54	LED 12 V for indicator switch - red

Arteor™
Ventilation and heating control

5722 18

5722 03

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	
			Fan controller
			2 modules 45 x 45 mm
1	5722 17	5727 17	AC speed control 4 positions
1	5722 18	5727 18	Rotary speed controller for fan Operates 40 to 400 VA limit switch For progressive speed control of ceiling fan
			Thermostats
			2 modules 45 x 45 mm
			Electronic room thermostat
1	5722 03	5727 03	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.
			Thermostat for electric floor heating
1	5722 63	5727 63	With one potential free N/O contact and LED 16 A - 230 V~ Adjustable range from 10 °C to 60 °C With probe

Arteor™
Roller blinds control and curtain switches

5722 19

5737 19

5727 20

5722 02

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	
			Electric roller blinds control - 250 V~
			Push-buttons
			Double push-button - 6 A For control via automatic box (N/O mechanism) 2 modules 45 x 45 mm
10	5722 19	5727 19	Square version
10	5732 19	5737 19	Round version
			Switches
			Double switch - 10 A For direct control of a motor (mechanism with fixed positions) 2 modules 45 x 45 mm
10	5722 20	5727 20	Square version
10	5732 20	5737 20	Round version
			Curtain switches
			1 module 22.5 x 45 mm
5	5722 02	5727 02	Curtain switch centre off
5	5722 01	5727 01	Curtain switch centre retract

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™
Hotel equipment – square version
Lighting, electric roller blinds and curtain control

5732 84

5733 82

5737 22

5732 34

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Lighting control with specific marking
			Master controls
10	5732 84	5737 84	Master switch 2-way double pole 20 AX - 250 V~ for general control: all ON / all OFF 2 modules 45 x 45 mm
10	5732 86	5737 86	Master push-button 2-way - 6 A - 250 V~ for general control: all ON/ all OFF 2 modules 45 x 45 mm
			Controls for bed lights
10	5732 94	5737 94	2 x 2-way switch 10 AX - 250 V~ 2 x 1 module 22.5 x 45 mm
10	5732 96	5737 96	2 x 2-way push button 6 A - 250 V~ 2 x 1 module 22.5 x 45 mm
			Controls for desk and entrance lights
10	5733 82	5738 82	2 x 2-way switch 10 AX - 250 V~ 2 x 1 module 22.5 x 45 mm
10	5733 84	5738 84	2 x 2-way push button 6 A - 250 V~ 2 x 1 module 22.5 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	Electric roller blinds control with specific marking - 250 V~
10	5732 22	5737 22	Double switch - 10 A For direct control of a motor (mechanism with fixed positions) Roller blinds marking 2 modules 45 x 45 mm
10	5732 24	5737 24	Double push-button - 6 A For control via automatic box (N/O mechanism) Roller blinds marking 2 modules 45 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	Curtain control with specific marking - 250 V~
10	5732 34	5737 34	Double switch - 10 A For direct control of a motor (mechanism with fixed positions) Curtain marking 2 modules 45 x 45 mm
10	5732 36	5737 36	Double push-button - 6 A For control via automatic box (N/O mechanism) Curtain marking 2 modules 45 x 45mm

Arteor™
Hotel equipment – round version
Lighting, electric roller blinds and curtain control

5737 85

5732 95

5737 35

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 234)

Pack	Cat. No. White	Cat. No. Magnesium	Lighting control with specific marking
			Master controls
10	5732 85	5737 85	Master switch 2-way double pole 20 AX - 250 V~ for general control: all ON / all OFF 2 modules 45 x 45 mm
10	5732 87	5737 87	Master push-button 2-way - 6 A - 250 V~ for general control: all ON/ all OFF 2 modules 45 x 45 mm
			Controls for bed lights
10	5732 95	5737 95	2 x 2-way switch 10 AX - 250 V~ 2 x 1 module 22.5 x 45 mm
10	5732 97	5737 97	2 x 2-way push button 6 A - 250 V~ 2 x 1 module 22.5 x 45 mm
			Controls for desk and entrance lights
10	5733 83	5738 83	2 x 2-way switch 10 AX - 250 V~ 2 x 1 module 22.5 x 45 mm
10	5733 85	5738 85	2 x 2-way push button 6 A - 250 V~ 2 x 1 module 22.5 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	Electric roller blinds control with specific marking - 250 V~
10	5732 23	5737 23	Double switch - 10 A For direct control of a motor (mechanism with fixed positions) Roller blinds marking 2 modules 45 x 45 mm
10	5732 25	5737 25	Double push-button - 6 A For control via automatic box (N/O mechanism) Roller blinds marking 2 modules 45 x 45 mm

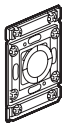
Pack	Cat. No. White	Cat. No. Magnesium	Curtain control with specific marking - 250 V~
10	5732 35	5737 35	Double switch - 10 A For direct control of a motor (mechanism with fixed positions) Curtain marking 2 modules 45 x 45 mm
10	5732 37	5737 37	Double push-button - 6 A For control via automatic box (N/O mechanism) Curtain marking 2 modules 45 x 45mm

Arteor™ hotel equipment
BUS and Radio scenario controllers

5745 87

5745 91

Support frames and plates selection chart (p.234)

Pack	Cat. No. White	Cat. No. Black	
			Scenario controllers with specific marking
			Radio controls
			4-scenes micropush control Surface mounting, no wiring needed For BUS or radio installations Mechanisms equipped with White or Black round cover plate and Magnesium circular push control for 4 scenarios Supplied with support frames and batteries To be equipped with plates (p. 85 to 93) 2 modules 45 x 45 mm
1	5740 87	5745 87	 "wake up / sleep / TV / relax" marking
1	5740 88	5745 88	"wake up / sleep / open curtains / close curtains" marking
			Touch plates for radio controls
			4-scenes touch plate British standard fixing centres
1	5740 90	5745 90	"wake up / sleep / TV / relax" marking Can replace standard rocker plates and plates on 4-scenes radio controllers Cat. No. 5740 87, 5745 87
1	5740 93	5745 93	"wake up / sleep / open curtains / close curtains" marking Can replace standard rocker plate and plates on 4-scenes radio controllers Cat. No. 5740 88, 5745 88
			BUS controls
1	5740 89	5745 89	4-scenes touch control for the activation of 4 scenarios: "wake up / sleep / TV / relax" 2 modules mechanisms For British standard flush-mounting boxes
1	5740 91	5745 91	6-scenes touch control for the activation of 6 scenarios: "wake up / sleep / TV / relax / open curtains / close curtains" 3 modules mechanisms For British, Italian and American flush-mounting boxes

Pack	Cat. No.	
		Accessories
		Sheet with stickers with symbols for different scenarios for hotel rooms
10	5740 92	Dark colour
10	5745 92	White colour

Arteor™ hotel equipment
Key fob switches, shaver sockets

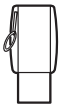
5727 30

5721 53

Support frames and plates selection chart (p.234)

Mechanisms supplied with White or Magnesium square cover plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	
			Key fob switches
			For energizing a circuit by inserting a key fob Cat. No. 5722 59 and 5727 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. No. 5722 27 and 5727 27 2 modules 45 x 45 mm
1	5722 30	5727 30	Key fob switch 230 V
1	5722 31	5734 93	Key fob switch 12-24 V

Pack	Cat. No. White	Cat. No. Magnesium	
			Key fob
10	5722 59	5727 59	 Key fob Enables use of key fob switches in hotels with key locks Supplied complete with a label holder for individual hotel identification

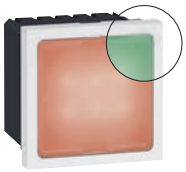
Pack	Cat. No. White	Cat. No. Magnesium	
			Shaver sockets
			Conform to BS EN 61558-2-5. IP 24 For use with European, British, American, Australian 2-pin plugs Screwless live and neutral terminals Double wound isolating transformer Automatic self-resetting overload feature Plug insertion operates micro-switch which energises transformer To be equipped with special plate Cat. No. 5750 70 (white plate). Contact customer service for project quantities of other plate types.
			50/60 Hz
			230 V / 120-230 V
1	5721 53	5726 53	with earth connector

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ hotel equipment
Square version call indicators, illuminated signs, buzzers

5720 57

5725 54


5722 24

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium
Hotel bedroom call indicators		
5	5720 57	5725 57
5	5720 54	5725 54
Illuminated signs		
5	5722 24	5727 24
5	5722 25	5727 22
Buzzers		
10 5	5722 04	5727 04
10	5722 07	5722 47

Hotel bedroom call indicators

Enables the resident to inform hotel staff of the room status
Two settings are possible:
- Do not disturb
- Please clean the room
1 + 1 modules 22.5 x 45 mm

Indicator
Indicator lamp and bell push
Installed in the corridor, display calls
Supplied with LED

Internal control unit
Allows the user to select the desired setting
Supplied with LED

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 45 x 45 mm

Green or Red
Sign with 2-state LEDs with choice of green or red configurable on the mechanism
1 W

Blue
Sign with blue LEDs
A choice of 2 power levels:
0.2 or 1 W

Buzzers

230 V
230 V
1 module 22.5 x 45 mm

230 V
2 modules 45 x 45 mm

Arteor™ hotel equipment
Round version call indicators, illuminated signs, buzzers

5725 67

5725 74

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium
Hotel bedroom call indicators		
5	5720 67	5725 67
5	5720 74	5725 74
Illuminated signs		
5		5727 25
5		5727 23
Buzzers		
10	5722 08	5722 48

Hotel bedroom call indicators

Enables the resident to inform hotel staff of the room status
Two settings are possible:
- Do not disturb
- Please clean the room
1 + 1 modules 22.5 x 45 mm

Indicator
Indicator lamp and bell push
Installed in the corridor, display calls
Supplied with LED

Internal control unit
Allows the user to select the desired setting
Supplied with LED

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 45 x 45 mm

Green or Red
Sign with 2-state LEDs with choice of green or red configurable on the mechanism
1 W

Blue
Sign with blue LEDs
A choice of 2 power levels:
0.2 or 1 W

Buzzers

230 V
230 V
2 modules 45 x 45 mm

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ hotel equipment
Square version data, audio and video sockets

5727 75

5722 72

5727 73

5722 74

5722 81

5722 88

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Data, audio and video sockets

Pack	Cat. No. White	Cat. No. Magnesium	
			RJ 45 tool-less system - Cat. 6
10	5723 14	5728 14	Rapid connection socket no tool required UTP - 8 contacts 2 modules 45 x 45 mm
			USB sockets
1	5722 75	5727 75	Used to bring connections closer to the user For connecting USB devices (scanner-printer, external hard disk) Connection via screw terminals cross-section 1 mm² Recommended cable: USB A max. cable length 5 m 1 module 22.5 x 45 mm
			2 x female RCA
1	5722 72	5727 72	For the stereo audio connection of any DVD drive, camera, video recorder, etc. type peripheral Recommended cable: 1 shielded audio pair 1 module 22.5 x 45 mm
			3 x female RCA
1	5722 73	5727 73	For the composite video and stereo audio connection of a DVD drive, camera, video recorder, video conference equipment etc. Recommended cable: 1 shielded audio pair + 1 x 3 mm mini-coaxial 1 module 22.5 x 45 mm
			YUV
1	5722 71	5727 71	For analog high definition connection of a DVD, PC monitor, plasma screen, video projector, graphic paintbox, etc. Recommended cable: 3 x 3 mm mini-coaxial (max. cable length 25 m) or 3 x RG59 coaxial (max. cable length 50 m) 1 module 22.5 x 45 mm
			Female 3.5 mm jack For stereo audio connection from a portable source Recommended cable: 1 x 0.22 mm² shielded audio pair
1	5722 74	5727 74	Connection on screw terminals 1 module 22.5 x 45 mm

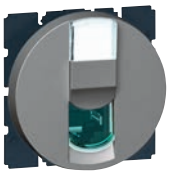
Audio and video sockets (continued)

Pack	Cat. No. White	Cat. No. Magnesium	
			Female HD 15 For VGA, XGA or VESA connection of a PC monitor, plasma screen, video projector, graphic paintbox, etc. Recommended cable Cat. No. 327 81 Max. cable length 25 m (beyond this a VGA amplifier is recommended)
1	5722 82	5727 82	Connection on screw terminals 2 modules 45 x 45 mm
			HDMI
1	5722 81	5727 81	For digital high definition audio and video connection of a PC monitor, plasma screen, video projector, graphic paintbox, etc. Recommended cable Cat. No. 327 80 2 modules 45 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	
			Female HD 15 + jack 3.5 mm
1	5722 88	5727 88	2 modules 45 x 45 mm Square version

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ hotel equipment
Round version data, audio and video sockets


5728 24

5732 74

5737 73

5727 85

5745 01

5722 89

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Data, audio and video sockets
			RJ 45 tool-less system - Cat. 6
10	5723 24	5728 24	Rapid connection socket, no tool required UTP - 8 contacts 2 modules 45 x 45 mm
			USB sockets
1	5732 74	5737 74	Used to bring connections closer to the user For connecting USB devices (scanner-printer, external hard disk) Connection via screw terminals cross-section 1 mm² Recommended cable: USB A max. cable length 5 m 2 modules 45 x 45 mm
			2 x female RCA
1	5732 72	5737 72	For the stereo audio connection of any DVD drive, camera, video recorder, etc. type peripheral Recommended cable: 1 shielded audio pair 2 modules 45 x 45 mm
			3 x female RCA
1	5732 73	5737 73	For the composite video and stereo audio connection of a DVD drive, camera, video recorder, video conference equipment etc. Recommended cable: 1 shielded audio pair + 1 x 3 mm mini-coaxial 2 modules 45 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	Audio and video sockets (continued)
			HDMI
1	5722 85	5727 85	For digital high definition audio and video connection of a PC monitor, plasma screen, video projector, graphic paintbox, etc. Recommended cable Cat. No. 327 80 2 modules 45 x 45 mm
			S-Video socket (4-pin mini-DIN)
1	5745 01	5745 51	1-gang Provides the YC video link for any peripheral device such as a DVD drive, camera, video recorder, videoconferencing, etc 2 modules 45 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	Female HD 15 + jack 3.5 mm
1	5722 89	5727 89	2 modules 45 x 45 mm

Arteor™ access control

Arteor™ access control

5727 50

5727 51

767 10

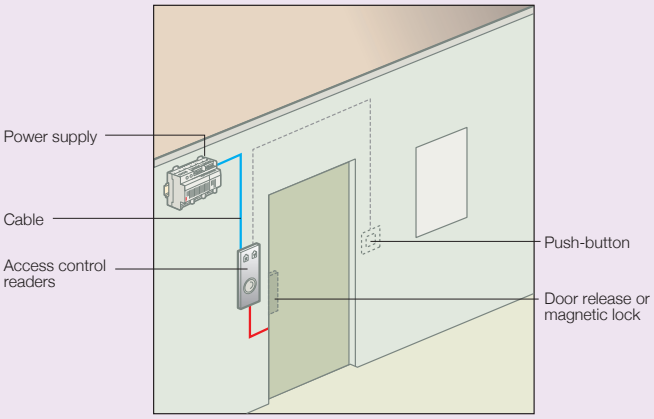
Mechanisms supplied complete with White or Magnesium square cover plate, flush-mounting box, support frame and plate

Pack	Cat. No.		Readers
	White	Magnesium	5 vertical modules 22.5 x 45 mm IP 40 - IK 04 Power supply: 12 V⎓ Equipped with 2 LEDs red/green and 1 buzzer. Can be used in stand-alone mode or with door controller (Cat. No. 767 04, or other control panel using Wiegand protocol) Permanent backup memory
1	5722 50 (1)	5727 50 (2)	**Fingerprint reader** 12 V⎓ - 145 mA 999 users in stand-alone mode or with Legrand door controller Cat. No. 767 04 1 door potential free changeover contact (1 A - 12 V) adjustable from 1 sec to 255 sec 1 push-button potential free input Built-in back-lighted LCD for clear instruction display
1	5722 51 (1)	5727 51 (2)	**Card reader** 12 V⎓ - 118 mA 500 users in stand-alone mode 10000 users with Legrand door controller 767 04 1 door potential free changeover contact (1 A - 12 V) adjustable from 1 sec to 255 sec 1 push-button potential free contact. Built-in Wiegand protocol interface. Supplied with a master card, used to enrol a user or to communicate between the reader and the optional encoder Cat. No. 767 05 in stand-alone
1	5722 52 (1)	5727 52 (2)	**Coded keypad reader** 12 V⎓ - 47 mA 99 users in stand-alone mode 10000 users with door controller Cat. No. 767 04 1 door potential free changeover contact (1 A - 12 V) adjustable from 1 sec to 255 sec 1 push-button potential free contact Built-in Wiegand protocol interface

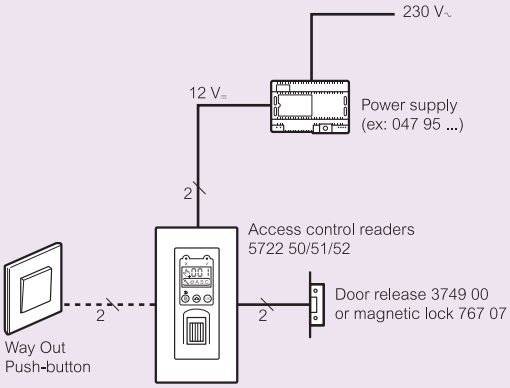
Pack	Cat. No.	Badges for card reader
5	767 10	Contactless keyfob badge (13.56 Mhz Mifare) Possibility to personalise the label
10	767 11	ISO contactless card (13.56 Mhz Mifare) Dimensions: 50 x 80 mm

(1) Supplied with White plate
(2) Supplied with Mirror Black plate

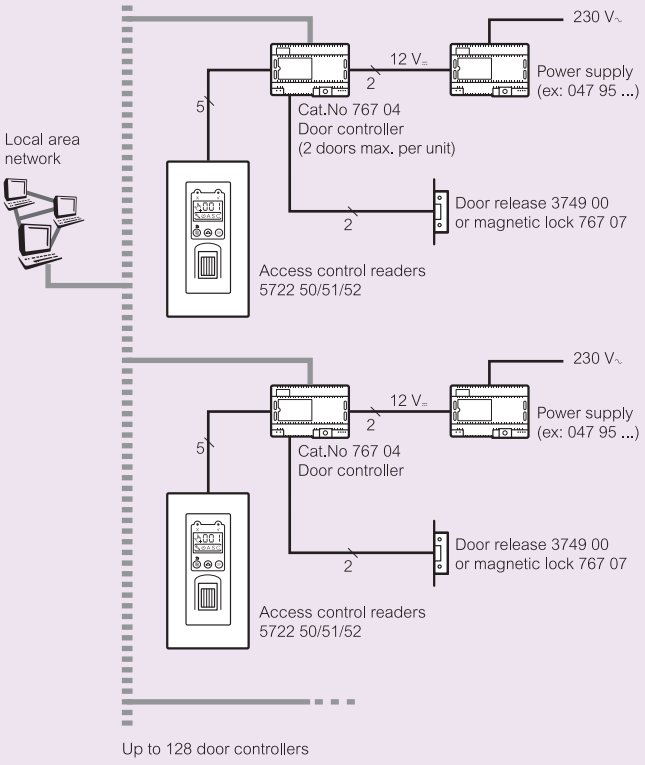
■ Installation principle in stand alone mode



■ Stand-alone



■ Centralized



Note: for Cat No.s 047 95, 3749 00 please consult the Legrand general catalogue

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ RCBO, MCB

5723 60

Support frames and plates selection chart (p. 234)

RCBO

Pack	Cat. No.	
1	White 5723 60	Single pole + Neutral - 30 mA 16 A - 230 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 2 modules 45 x 45 mm

Thermal magnetic proximity MCB

Pack	Cat. No.	
1	White 5723 61	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 Used in addition to the main protection as it is both close to the user and discriminating vis-à-vis the main protection, and can therefore be reset immediately The proximity MCB can also be used as a local consumption limiter (depending on its rating) Breaking capacity: 3000 A 2 modules 45 x 45 mm

Arteor™ socket outlets

AR777WE

AR777AMGN

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Socket Outlet 240 V~

Pack	Cat. No. White	Cat. No. Magnesium	
10	AR777AWE	AR777AMGN	10A double autoswitched socket outlet (integrated support frame)
10	AR777WE	AR777MGN	10A double switched socket outlet (integrated support frame)
10	AR777XWE	AR777XMGN	10A double switched socket outlet with additional switch (integrated support frame)
10	AR787/15AMWE	AR787/15AMMGN	15A single autoswitched socket outlet (2 module)
10	AR787AMWE	AR787AMMGN	10A single autoswitched socket outlet (2 module)
10	AR787ARMWE	AR787ARMMGN	10A single autoswitched socket round earth (2 module)
10	AR787WE	AR787MGN	10A single switched socket outlet (3 module)

Arteor™
Television sockets

5719 07

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	
			Television sockets
10	5719 07	5719 57	75 ohm "F" connector for cable and pay TV (Foxtel recognised) **TV sockets** 75 ohm "F" connector for cable and pay TV 0-2.4 GHz 1 module 22.5 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	
			Television sockets
			International series aerial and satellite installation (with individual demodulator) DTT and HDTV compatible TV: male connector (Ø 9.5 mm) attenuation ≤ 1.5 db SAT: "F" type connector attenuation ≤ 2 db Recommended coaxial cable: 17/19 VATC
			TV sockets
10	5721 63	5726 63	TV single shielded "F" type with screws 0-2400 MHz 1 module 22.5 x 45 mm
10	5721 71	5726 71	TV single shielded male Ø 9.5 mm 0-2400 MHz 1 module 22.5 x 45 mm

Arteor™
Telephone sockets

5723 00

5728 13

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	
			RJ 11 and RJ 12 sockets
			Equipped with modular Jack connector with 1/4 turn terminal for fast connection (possible looping)
			RJ 11
10	5723 00	5728 00	4 contacts 1 module 22.5 x 45 mm
10	5723 13	5728 13	4 contacts 2 modules 45 x 45 mm
			RJ 12
10	5723 12	5728 12	6 contacts 2 modules 45 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	
			Telephone sockets
			With IDC connection Conform to British Telecom
10	5723 10	5728 10	Single master 2 modules 45 x 45 mm
5	5723 01	5728 01	Single secondary 1 module 22.5 x 45 mm

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™
Cat. 6 and Cat. 5e data sockets

5723 06

5728 02

5723 15

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)
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

RJ 45 - tool-less system

Rapid connection sockets, no tool required

Pack	Cat. No. White	Cat. No. Magnesium	
			Cat. 6
10	5723 02	5728 02	UTP - 8 contacts 1 module 22.5 x 45 mm
10	5723 14	5728 14	UTP - 8 contacts 2 modules 45 x 45 mm Square version
10	5723 24	5728 24	UTP - 8 contacts 2 modules 45 x 45 mm Round version
			Cat. 5e
10	5723 03	5728 03	UTP - 8 contacts 1 module 22.5 x 45 mm
10	5723 15	5728 15	UTP - 8 contacts 2 modules 45 x 45 mm

Arteor™
Rear pluggable data sockets and wiring splitter

5723 31

5728 32

5728 35

Support frames and plates selection chart (p. 234)

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)
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

Rear pluggable RJ 45 sockets

For use with area distribution boxes, connection to boxes via RJ 45-RJ 45 dedicated cords
Used to create Cat. 6 and Cat. 5e links in accordance with standards
2 modules 45 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	
			Cat. 6
10	5723 31	5728 31	UTP
			Cat. 5e
10	5723 30	5728 30	UTP

Telephone/Ethernet wiring splitter

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 min. depth 35 mm
Telephone and Ethernet applications marked on the protective cap
1 module 22.5 x 45 mm

Pack	Cat. No. White	Cat. No. Magnesium	
10	5723 35	5728 35	UTP double connector 8 contacts

Arteor™
Wi-Fi access points

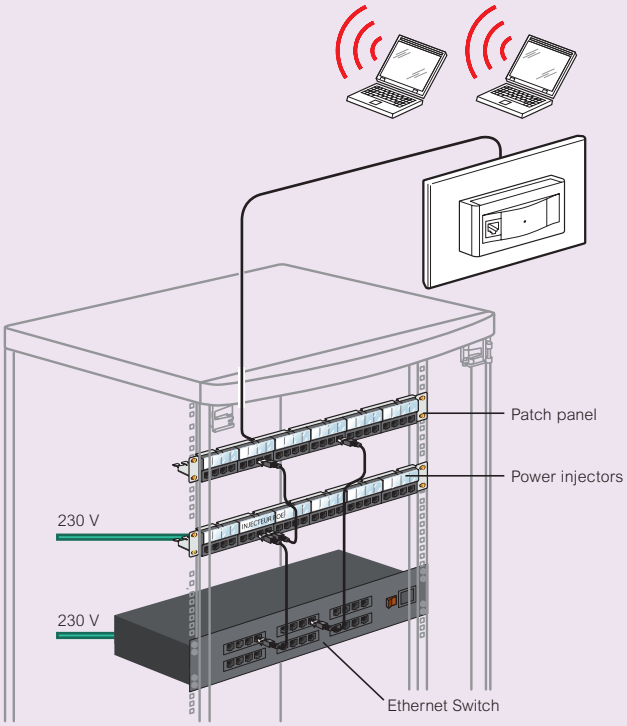
5723 76

Mechanisms supplied with White and Magnesium square cover plates
To be equipped with support frames Cat. No. 5760 11 and plates (white Cat No. 5750 30 or pearl aluminium Cat. No. 5750 31)

Pack	Cat. No.		Wi-Fi access point
			Come in addition to a new or existing LCS structured cabling, to meet the requirements for mobility in the building (meeting rooms for example) Identical connection to the LCS RJ 45 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) Guest access to offer free access to the guests and keep independent and secure the main Wi-Fi network Supply via Power over Ethernet (standard 802.3 af) 4 modules 90 x 45 mm
	White	Magnesium	
1	5723 76	5728 76	Standards 802.11a and 802.11b/g dual-band dual-radio Data rate: 54 Mbps max. on each frequency (802.11a and 802.11g) Equipped with an RJ 45 socket on the front panel
1	5723 77	5728 77	Standards 802.11a and 802.11b/g dual-band dual-radio Data rate: 54 Mbps max. on each frequency (802.11a and 802.11g)

Arteor™
Wi-Fi access points

■ Installation principle



■ Arteor 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 access 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 m^2 for global coverage and a maximum gross speed
- Provide 1 access point with an RJ 45 socket for an office used by visitors

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™
Adaptors for data sockets and USB sockets

5728 38

5727 75

5732 74

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	
			Adaptors for data sockets
			Equipped with transparent label-holder
			Keystone
10	5723 37	5728 37	Adaptor for single connector 2 modules 45 x 45 mm
			Systimax
10	5723 38	5728 38	Adaptor for single connector 2 modules 45 x 45 mm
			USB female sockets
			Used to bring connections closer to the user For connecting USB devices (scanner-printer, external hard disk) Connection via screw terminals cross-section 1 mm² Recommended cable: USB A
1	5722 75	5727 75	Square version 1 module 22.5 x 45 mm
1	5732 74	5737 74	Round version 2 modules 45 x 45 mm

Arteor™
Attenuator, loudspeaker sockets

5722 84

5722 83

5722 70

5722 90

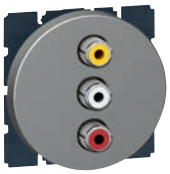
Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	
			Attenuator
1	5722 84	5727 84	100 V - 25 W Allow to adjust power to 25 W from a balanced 100 V loudspeaker line 2 modules 45 x 45 mm
			3-pole XLR sockets
			For the stereo connection of any peripheral, microphone, mixing console Recommended microphone cable: 1 x 0.22 mm² shielded audio pair Recommended speaker cable: 1 x 1.5 mm² audio pair (will take 2.5 mm²) Max. cable length: 50 m (beyond this an audio amplifier is recommended) 2 modules 45 x 45 mm
1	5722 83	5727 83	Neutrik female
1	5722 77	5727 77	Neutrik male
			Loudspeaker sockets
10	5722 70	5727 70	4 mm² terminals 1 module 22.5 x 45 mm
10	5722 80	5727 80	4 mm² terminals 2 modules 45 x 45 mm
			Home theater loudspeakers socket
10	5722 90	5727 90	2 connectors 2 modules 45 x 45 mm
5	5722 91	5727 91	4 connectors 3 modules 67.5 x 45 mm

Arteor™
Audio and video sockets

5722 72


5737 73

5722 74

5727 71

5727 85

5722 82

5722 88

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Audio and video sockets

Pack	Cat. No. White	Cat. No. Magnesium
2 x female RCA		
For the stereo audio connection of any DVD drive, camera, video recorder, etc. type peripheral		
Recommended cable: 1 shielded audio pair		
1	5722 72	5727 72
Square version 1 module 22.5 x 45 mm		
1	5732 72	5737 72
Round version 2 modules 45 x 45 mm		
3 x female RCA		
For the composite video and stereo audio connection of a DVD drive, camera, video recorder, video conference equipment etc.		
Recommended cable: 1 shielded audio pair + 1 x 3 mm mini-coaxial		
1	5722 73	5727 73
Square version 1 module 22.5 x 45 mm		
1	5732 73	5737 73
Round version 2 modules 45 x 45 mm		
Female 3.5 mm jack - square version		
For stereo audio connection from a portable source		
Recommended cable: 1 x 0.22 mm² shielded audio pair		
1	5722 74	5727 74
Connection on screw terminals 1 module 22.5 x 45 mm		
YUV - square version		
For analog high definition connection of a DVD, PC monitor, plasma screen, video projector, graphic paintbox, etc.		
Recommended cable: 3 x 3 mm mini-coaxial (max. cable length 25 m) or 3 x RG59 coaxial (max. cable length 50 m)		
1	5722 71	5727 71
1 module 22.5 x 45 mm		

Audio and video sockets (continued)

Pack	Cat. No. White	Cat. No. Magnesium
HDMI		
For digital high definition audio and video connection of a PC monitor, plasma screen, video projector, graphic paintbox, etc.		
Recommended cable Cat. No. 327 80		
2 modules 45 x 45 mm		
1	5722 81	5727 81
Square version		
1	5722 85	5727 85
Round version		
S-video sockets (4-pin mini-DIN)		
1-gang		
Provides the YC video link for any peripheral device such as a DVD drive, camera, video recorder, videoconferencing, etc.		
1	5745 01	5745 51
Round version 2 modules 45 x 45 mm		
Female HD 15		
For VGA, XGA or VESA connection of a PC monitor, plasma screen, video projector, graphic paintbox, etc.		
Recommended cable Cat. No. 327 81		
Max. cable length 25 m (beyond this a VGA amplifier is recommended)		
1	5722 82	5727 82
Connection on screw terminals 2 modules 45 x 45 mm		

Female HD 15 + jack 3.5 mm

Pack	Cat. No. White	Cat. No. Magnesium
2 modules 45 x 45 mm		
1	5722 88	5727 88
Square version		
1	5722 89	5727 89
Round version		

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™
Audio and video sockets

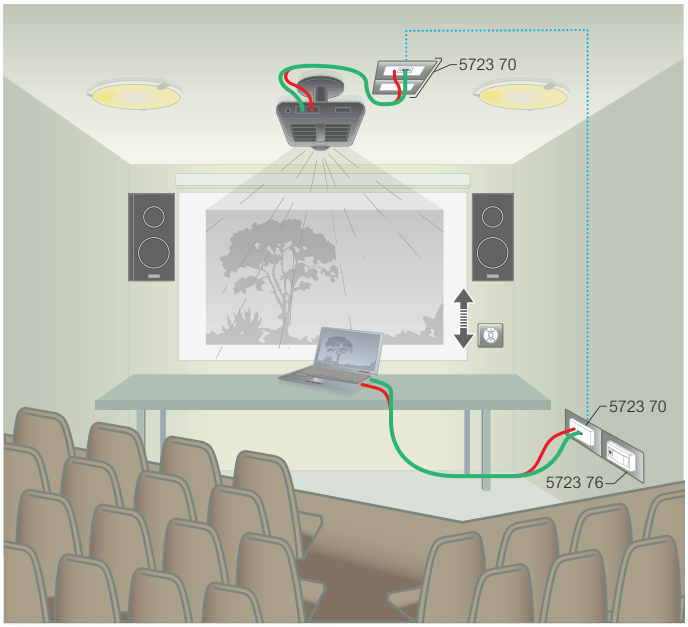
Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No.	HD 15 amplifier + Jack kit
	White / Magnesium	
1	5723 70 / 5728 70	Used to connect audio/video terminals at a distance of more than 20 m The video link is via an HD 15 connector (resolution up to UXGA), and the audio link via a 3.5 mm jack Comprises: - One 4-module Arteor transmitter supplied with cover plate equipped with an HD 15 connector and a 3.5 mm jack - One 4-module Arteor receiver equipped with an HD 15 connector and a 3.5 mm jack - One 4-module Arteor power supply to be connected on the mains then linked to the receiver The transmitter and receiver are supplied with an RJ 45 LCS jack for tool-free connection The link between the transmitter and receiver is via a network cable

Arteor™
Audio and video sockets

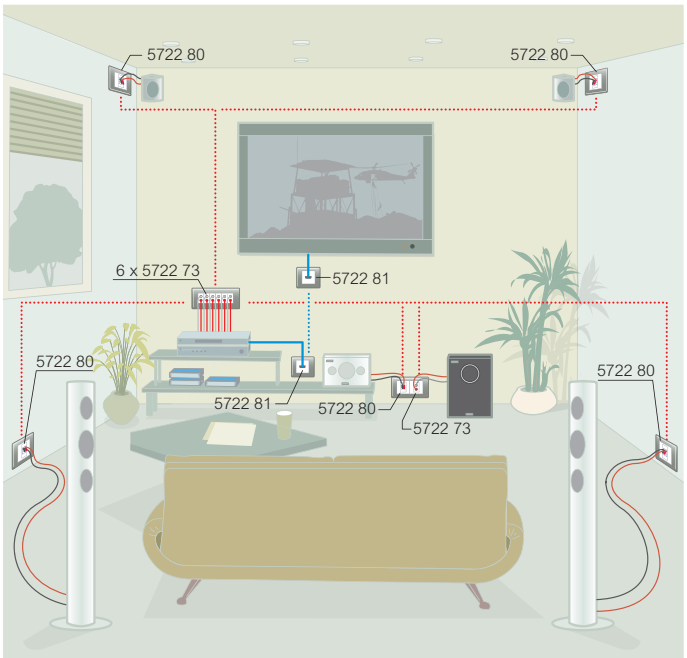
■ Installation of audio and video sockets in a meeting room



Depending on the size and configuration of your meeting room, it is recommended to link the system 5723 70 to an audio amplification device

Cat. 6 cable
HD 15 + 3.5 mm Jack cord

■ Installation of audio and video sockets for Home Cinema



HDMI cable
HDMI cord
Audio cable

Arteor™
Blank modules and cover plates

5728 41

5731 86

5754 10

Support frames and plates selection chart (p. 234)
For load selection chart please contact HPM Legrand customer service

Mechanisms supplied with White or Magnesium square rocker plates
To be equipped with support frames and plates (p. 258 - 263)

Pack	Cat. No. White	Cat. No. Magnesium	Blank modules
			Square version
10	5723 41	5728 41	1 module 22.5 x 45 mm
10	5723 42	5728 42	2 modules 45 x 45 mm
5	5723 43	5728 43	3 modules 67.5 x 45 mm
			Round version
10	5730 86	5731 86	2 modules
5	5730 96	5731 96	3 modules

Support frames and plates selection charts (p. 172 - 173)

Square version plates
3 finishes: White, Pearl Alu and Graphite

Pack	Cat. No.	Square series blanking cover plates
		For 2" x 4" boxes
10	5754 10	White
10	5754 11	Pearl Alu
10	5754 12	Graphite

Arteor™
Standard support frames

5719 10

5719 20

Support frames and plates selection chart (p. 234)

Pack	Cat. No.	Support frames with standard installation accessories 84 mm fixing centres
		Screw mounting
		Vertical use only
10	5719 10	For 2 modules (electronic functions, except 2 module mechanisms to be mounted on 3 module support frame)
		Horizontal use only
10	5719 20	For 2 or 3 modules

Pack	Cat. No.	Wall box
1	429R	Recessed wall box

Pack	Cat. No.	Mounting Clips
50	711	Mounting clip for 6.4mm wall board
50	712	Mounting clip for 10.0mm plasterboard/gyprock

Pack	Cat. No.	Mounting Bracket
20	143	Standard size mounting bracket

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™
White plate finishes

5750 10

5755 00

Support frames and plates selection chart (p. 234)

Pack	Cat. No. White	Neutral	Dimensions in mm
		Square plates horizontal	
10	5752 30	2 modules	127 x 92
10	5750 10	3 modules	127 x 92
		Square plates vertical	in mm
10	5752 50	2 modules	92 x 127
		Round plates Horizontal	
10	5756 20	2 modules	127 x 92
10	5755 00	3 modules	127 x 92
		Round plates Vertical	
10	5756 30	2 modules	92 x 127
		Australian plates	
10	5754 30	Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
		French and German standard	
10	5756 00	2 modules	92 x 92
5	5755 10	2 x 2 modules	157 x 92
5	5755 20	3 x 2 modules	237.5 x 92

Arteor™
Pearl aluminium and graphite plate finishes

5750 11

5755 02

Support frames and plates selection chart (p. 234)

Pack	Cat. No. Pearl Alu	Graphite	Neutral	Dimensions in mm
			Square plates horizontal	
0	5752 31	5752 32	2 modules	127 x 92
5	5750 11	5750 12	3 modules	127 x 92
			Square plates vertical	in mm
10	5752 51	5752 52	2 modules	127 x 92
			Round series Horizontal	
10	5756 21	5756 22	2 modules	127 x 92
5	5755 01	5755 02	3 modules	127 x 92
			Round series Horizontal	
10	5756 31	5756 32	2 modules	127 x 92
			Australian plates	
10	5754 31	5754 32	Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
			French and German standard	
10	5756 01	5756 02	2 modules	92 x 92
5	5755 11	5755 12	2 x 2 modules	157 x 92
5	5755 21	5755 22	3 x 2 modules	237.5 x 92

Arteor™
Tatoo plate finishes

5764 58

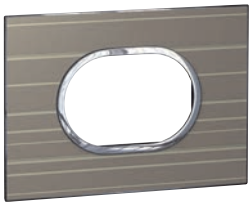
5764 48

Support frames and plates selection chart (p. 234)

Pack	Cat. No. Edition 1	Tattoo	Dimensions in mm
		Square series	
5	5764 38	2 modules 2" x 4"	127 x 92
5	5764 58	3 modules 2" x 4"	127 x 92
		Round series	
5	5764 28	2 modules 2" x 4"	127 x 92
5	5764 48	3 modules 2" x 4"	127 x 92
		Australian plates	
10	5764 78	Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
		French and German standard	
10	5762 38	2 modules	92 x 92
5	5762 58	2 x 2 modules	157 x 92

Arteor™
Graphic plate finishes

5764 51


5764 42

Support frames and plates selection chart (p. 234)

Pack	Cat. No. Casual	Cat. No. Formal	Graphic	Dimensions in mm
			Square series	
1	5764 31	5764 32	2 modules 2" x 4"	127 x 92
1	5764 51	5764 52	3 modules 2" x 4"	127 x 92
			Round series	
1	5764 21	5764 22	2 modules 2" x 4"	127 x 92
1	5764 41	5764 42	3 modules 2" x 4"	127 x 92
			Australian plates	
10	5764 71	5764 72	Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
			French and German standard	
10	5762 31	5762 32	2 modules	92 x 92
5	5762 51	5762 52	2 x 2 modules	157 x 92

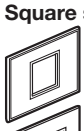
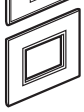
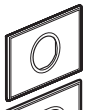
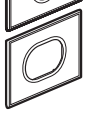
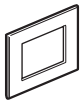
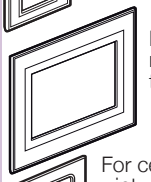
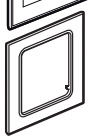
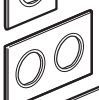
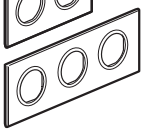
Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™
Mirror plate finishes

5752 74

5756 53

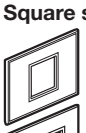
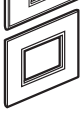
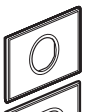
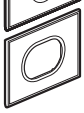
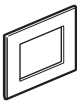
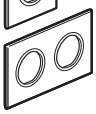
Support frames and plates selection chart (p. 234)

Pack	Cat. No. Mirror White	Cat. No. Mirror Black	Mirror		Dimensions in mm
			Square series		
1	5752 54	5752 53		2 modules 2" x 4"	127 x 92
1	5752 74	5752 73		3 modules 2" x 4"	127 x 92
			Round series		
1	5756 34	5756 33		2 modules 2" x 4"	127 x 92
1	5756 54	5756 53		3 modules 2" x 4"	127 x 92
			Australian plates		
10	5754 34	5754 33		Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
			Special plates		
1	5764 84	5764 83		For video internal display unit 2.5", BUS alarm module and 3.5" touch screen	127 x 127
1	5765 14	5765 13		For 10" multimedia touch screen	309 x 233
1	5765 24	5765 23		For central unit for - intruder alarm - temperature control	165 x 176
			French and German standard		
10	5756 04	5756 03		2 modules	92 x 92
5	5755 14	5755 13		2 x 2 modules	157 x 92
5	5755 24	5755 23		3 x 2 modules	237.5 x 92

Arteor™
Mirror finish plates

5764 56

Support frames and plates selection chart (p. 234)

Pack	Cat. No. Mirror Red	Cat. No. Mirror Taupe	Mirror		Dimensions in mm
			Square series		
1	5764 36	5764 35		2 modules 2" x 4"	127 x 92
1	5764 56	5764 55		3 modules 2" x 4"	127 x 92
			Round series		
1	5764 26	5764 25		2 modules 2" x 4"	127 x 92
1	5764 46	5764 45		3 modules 2" x 4"	127 x 92
			Australian plates		
10	5764 76	5764 75		Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
			French and German standard		
10	5762 36	5762 35		2 modules	92 x 92
5	5762 56	5762 55		2 x 2 modules	157 x 92

Whilst most items are stock lines some products are made to order
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For pack quantity, please refer to numerical index pages

Arteor™
Brushed metal plate finishes

5764 40

Support frames and plates selection chart (p. 234)

Pack	Cat. No. Gold brass	Cat. No. Stainless steel	Brushed Metal	Dimensions in mm
			Square series	
1	5764 30	5752 56	2 modules 2" x 4"	127 x 92
1	5764 50	5752 76	3 modules 2" x 4"	127 x 92
			Round series	
1	5764 20	5756 36	2 modules 2" x 4"	127 x 92
1	5764 40	5756 56	3 modules 2" x 4"	127 x 92
			Australian plates	
10	5764 70	5754 36	Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
			French and German standard	
10	5762 30	5756 06	2 modules	92 x 92
5	5762 50	5755 16	2 x 2 modules	157 x 92
5	-	5755 26	3 x 2 modules	237.5 x 92
			Special plates	
1	5764 80	5764 86	For video internal display unit 2.5", BUS alarm module and 3.5" touch screen	127 x 127
1	5765 10	5765 16	For 10" multimedia touch screen	309 x 233
1	5765 20	5765 26	For central unit for - intruder alarm - temperature control	165 x 176

Arteor™
Wood plate finishes

5752 75

5764 49

Support frames and plates selection chart (p. 234)

Pack	Cat. No. Wenge style	Cat. No. Light Oak	Wood	Dimensions in mm
			Square series	
1	5752 55	5764 39	2 modules 2" x 4"	127 x 92
1	5752 75	5764 59	3 modules 2" x 4"	127 x 92
			Round series	
1	5756 35	5764 29	2 modules 2" x 4"	127 x 92
1	5756 55	5764 49	3 modules 2" x 4"	127 x 92
			Australian plates	
10	5754 35	5764 79	Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
			French and German standard	
10	5756 05	5762 39	2 modules	92 x 92
5	5755 15	5762 59	2 x 2 modules	157 x 92

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™
Leather plate finishes

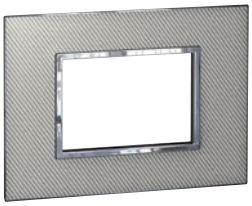
5764 53

5764 43

Support frames and plates selection chart (p. 234)

Pack	Cat. No. Club	Cat. No. Galuchat	Leather	Dimensions in mm
			Square series	
1	5764 33	5764 34	2 modules 2" x 4"	127 x 92
1	5764 53	5764 54	3 modules 2" x 4"	127 x 92
			Round series	
1	5764 23	5764 24	2 modules 2" x 4"	127 x 92
1	5764 43	5764 44	3 modules 2" x 4"	127 x 92
			Australian plates	
10	5764 73	5764 74	Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
			French and German standard	
10	5762 33	5762 34	2 modules	92 x 92
5	5762 53	5762 54	2 x 2 modules	157 x 92

Arteor™
Signature plate finishes



5764 57

5764 47

Support frames and plates selection chart (p. 234)

Pack	Cat. No. Woven Metal	Signature	Dimensions in mm
		Square series	
1	5764 37	2 modules 2" x 4"	127 x 92
1	5764 57	3 modules 2" x 4"	127 x 92
		Round series	
1	5764 27	2 modules 2" x 4"	127 x 92
1	5764 47	3 modules 2" x 4"	127 x 92
		Australian plates	
10	5764 77	Australian plate suits 770 series switches, double switched and double autoswitched power points	127 x 92
		Special plates	
1	5764 87	For video internal display unit 2.5", BUS alarm module and 3.5" touch screen	127 x 127
1	5765 17	For 10" multimedia touch screen	309 x 233
1	5765 37	For central unit for - intruder alarm - temperature control	165 x 176
		French and German standard	
10	5762 37	2 modules	92 x 92
5	5762 57	2 x 2 modules	157 x 92

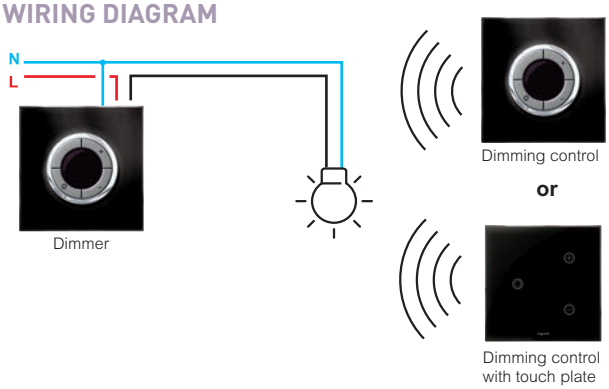
ZigBee®* wireless technology

Ideal for refurbishments, small new installations and increasing the number of control points, without damaging the walls

INTERACTIVITY OF FUNCTIONS

ZigBee® wireless technology is an international low consumption radio communication standard. Operating at a frequency of 2.4 GHz, it can be used, via transmitters (wireless) and receivers, to control lighting, roller blinds, as well as technical alarms.
It can also control scenarios, and allows bidirectional communication between devices. It can be used in addition to the BUS system.

WIRING DIAGRAM



* ZigBee® Certified product - Manufacturer Specific Profile

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

LIGHTING CONTROL

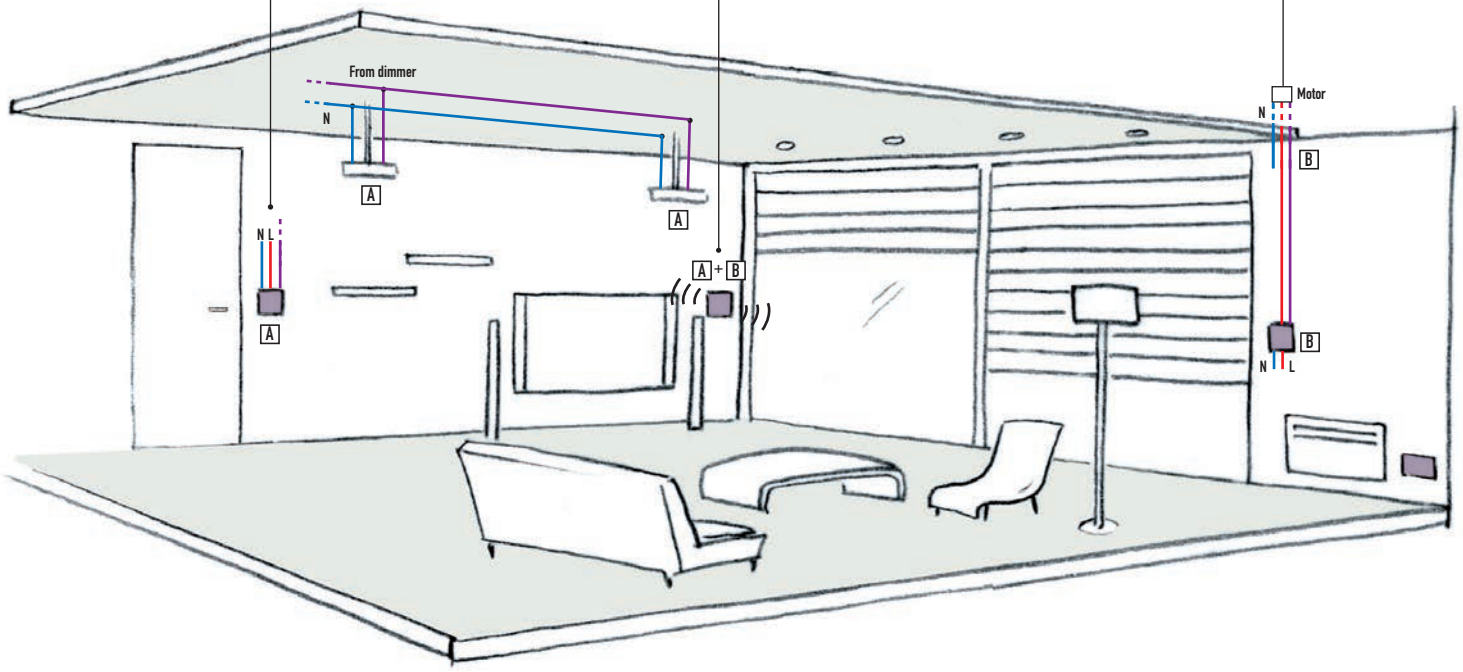
RECEIVER DIMMER SWITCH
(See p. 268)
Indicates the light intensity via LEDs

SCENARIO CONTROL

4 SCENARIO CONTROL
(See p. 268)

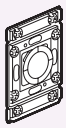
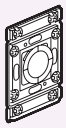
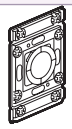
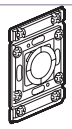
ROLLER BLIND CONTROL

INDIVIDUAL RECEIVER ROLLER BLIND SWITCH
(See p. 269)
Controls any type of electric roller blind motor



A Indicates lighting control
B Indicates roller blind control

Arteor™
Quick reference guide – Wireless/ZigBee™

Device	Type	Description	Mechanism		
Receiver/ transmitter to be wired	Hard button	1 gang switch with neutral		5738 22	Black 5738 23
		2 gang switch with neutral		5738 24	5738 25
	Capacitive touch plates	1 gang switch with neutral		5738 22	5738 23
		2 gang switch with neutral			5738 25
Transmitter	Hard button	1 gang switch with neutral		5738 34	
		2 gang switch with neutral		5738 36	5738 37
	Capacitive touch plates	1 gang switch with neutral		5738 34	5738 35
		2 gang switch with neutral		5738 36	5738 37

For full selection of other functions see page 268 - 269

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Support frames and plates

Horizontal Installation

5719 20
Horizontal use only for 2 or 3 modules

+

White	Pearl Alu	Graphite
5756 20	5756 21	5756 22

For full selection of plates see page 236 - 237

OR

Vertical Installation

5719 10
Vertical use only for 2 modules

+

White	Pearl Alu	Graphite
5756 30	5756 31	

For full selection of plates see page 236 - 237

British standard

5760 03
British Standard use only

+

	White	Black
1 gang	5737 50	5737 51
2 gang		5737 55

OR

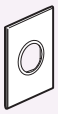
Vertical Installation
Italian & American standard

5719 10
Vertical use only for 2 modules

+

	White	Black
1 gang		5737 53
2 gang	5737 56	

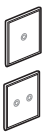
Vertical Installation



White	Pearl Alu	Graphite	Stainless Steel
5756 30	5756 31	5756 32	5756 36

For full selection of plates see page 236 - 237

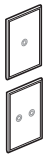
British standard



	White	Black
1 gang	5737 50	5737 51
2 gang	5737 54	5737 55

OR

Vertical Installation
Italian & American standard

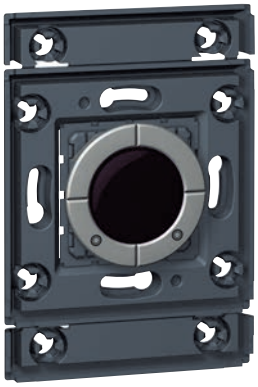


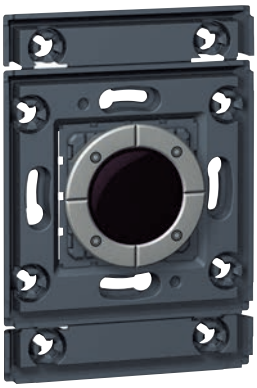
	White	Black
1 gang		5737 53
2 gang	5737 56	

Arteor™ Wireless/ZigBee®
Lighting control and automation

5738 25

5738 40


5738 37


5738 49

5738 70

Support frames and plates selection charts (p. 236 - 237)
Switches and dimmers max. loads selection chart (p. 271)

Mechanisms equipped with White or Black round cover plates and Magnesium circular push control, to be equipped with 2-module plates
Standard rocker plates and plates can be replaced by touch plates (p. 270)

Control mechanisms (receivers) 100-240 V

To be installed in flush-mounting boxes min. depth 40 mm
2 modules to be equipped with support frames (p. 258 - 296)

Pack	Cat. No. White	Cat. No. Black	
			Switches without neutral
1	5738 12	5738 13	1 gang switch 300 W - with blue LED status indicator supplied To be mounted on 2-module support frame
			Switches with neutral
1	5738 22	5738 23	1 gang switch 2500 W with blue LED status indicator supplied To be mounted on 2-module support frame
1	5738 24	5738 25	2 gang switch 2 x 1000 W with blue LED status indicator supplied To be mounted on 2-module support frame
1	5738 26	5738 27	3 gang switch 3 x 1000 W with blue LED status indicator supplied To be mounted on 3-module support frame
			Roller blinds switches
1	5738 40	5738 41	Switch with preset function To be mounted on 2-module support frame
			Dimmers 0-10 V
1	5738 32	5738 33	For fluorescent lamps 1000 W with 0-10 V ballasts To be mounted on 3-module support frame

Remote control transmitters

Surface-mounting (no wiring needed)
Supplied with batteries and support frames
2 modules

Pack	Cat. No. White	Cat. No. Black	
			Switch transmitters
1	5738 34	5738 35	For 1 gang switch
1	5738 36	5738 37	For 2 gang switch
			Dimmer transmitters
1	5738 38	5738 39	For dimmer
			Roller blinds switch transmitters
1	5738 42	5738 43	For roller blinds switch

Scenario controllers

Surface-mounting (no wiring needed)
Supplied with batteries and support frames
2 modules
For BUS or radio installations

Pack	Cat. No. White	Cat. No. Black	
1	5738 48	5738 49	4 push-buttons to control 4 scenarios (1 scenario can control several functions: shutters, lighting...)

Mobile scenario controllers

Pack	Cat. No.	
		Pocket remote controller
1	5738 70	4 push-buttons to control 4 scenarios (1 scenario can control several functions: shutters, lighting...) Can be used with all radio flush-mounting control mechanisms
		IR/RF remote control
1	882 32	4 push-buttons to control 4 scenarios and general ON/OFF

Scenario controllers with specific marking for hotels (see p. 246)

ZigBee®: Certified product
Manufacturer Specific Profile

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ Wireless/ZigBee®
Lighting control and automation touch plates

5737 54

5737 60

5737 91

Technical characteristics (p. 270)

White or Black touch plates to replace standard rocker plates and plates

Pack	Cat. No. White	Cat. No. Black	
Touch plates for switch receivers and transmitters			
			British standard fixing centres
1	5737 50	5737 51	For 1 gang mechanism
1	5737 54	5737 55	For 2 gang mechanism
1	5737 64	5737 65	For 3 gang mechanism
			Italian and American standard fixing centres
1	5737 52	5737 53	For 1 gang mechanism
1	5737 56	5737 57	For 2 gang mechanism
1	5737 66	5737 67	For 3 gang mechanism
Touch plates for dimmer receivers and transmitters			
			British standard fixing centres
1	5737 58	5737 59	For 1 gang mechanism
			Italian and American standard fixing centres
1	5737 60	5737 61	For 1 gang mechanism
Touch plates for roller blinds switch receivers and transmitters			
1	5737 68	5737 69	British standard fixing centres For 1 gang mechanism
1	5737 70	5737 71	Italian and American standard fixing centres For 1 gang mechanism
Touch plates for scenario controllers			
1	5737 90	5737 91	British standard fixing centres
1	5737 92	5737 93	Italian and American standard fixing centres

Arteor™ Wireless/ZigBee®
Other functions

5738 73

5738 57

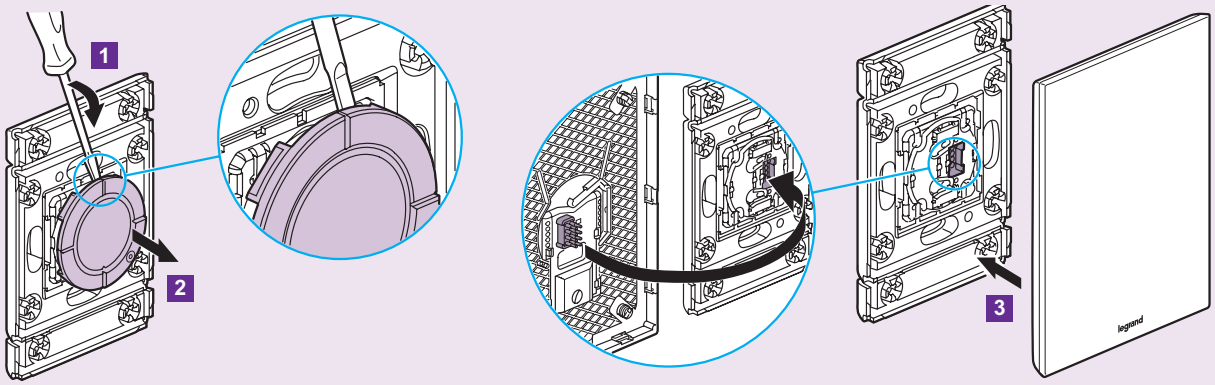
Support frames and plates selection charts (p. 236 - 237)

Pack	Cat. No. White	Cat. No. Black	
Other Arteor™ functions			
			Mechanisms equipped with White or Black cover plates and Magnesium circle for control, to be equipped with support frames (p. 258 - 296) and 2-module plates (p. 236 - 237) To be installed in flush-mounting boxes min. depth 40 mm
			Technical alarms 2 modules
1	5738 72	5738 73	Actuator 100-240 V~ - 10 A
1	5738 74	5738 75	Transceiver
			Gateways SCS/ZigBee® 2 modules
1	5738 56	5738 57	Allow the extension of a BUS/SCS system with ZigBee® devices
Weatherproof switches 230 V~			
			Can be controlled with switch transmitters Mechanisms supplied with black rocker plates Surface-mounting
1	5738 58		Switch with neutral 2500 W
1	5738 60		Switch with neutral 2 x 2500 W
Control mechanisms 100-240 V~			
			For installation in false ceiling Can be controlled with transmitters Mechanisms supplied complete
1	5738 62		Switch 2500 W
1	5738 66		Dimmer for ballast 0-10 V

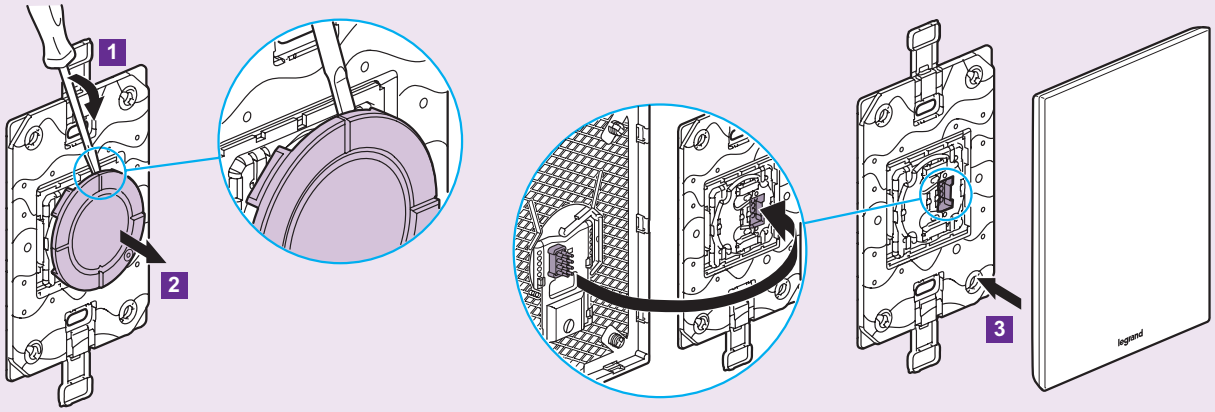
ZigBee®: Certified product
Manufacturer Specific Profile

■ Transformation into touch plates version of standard control mechanisms (receivers) and remote control transmitters equipped with rocker plates

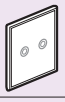
Remote control transmitter with supplied support frame (Italian/American)
By removing fins, can be adapted to other standards fixing centres



Control mechanism (receiver) with US support frame (not supplied)



■ Selection chart for association of touch plates

Function	Touch plates				Associate mechanism	
		Colour	BS fixing centres	Italian/American fixing centres	Control mechanism (receiver)	Remote control transmitter
Touch control switch 1 gang		White	5737 50	5737 52	5738 12 5738 13 5738 22 5738 23	5738 34 5738 35
		Black	5737 51	5737 53		
Touch control switch 2 gang		White	5737 54	5737 56	5738 24 5738 25	5738 36 5738 37
		Black	5737 55	5737 57		
Touch control switch 3 gang		White	5737 64	5737 66	5738 26 5738 27	
		Black	5737 65	5737 67		
Touch control dimmer 1 gang		White	5737 58	5737 60	5738 32 5738 33	5738 38 5738 39
		Black	5737 59	5737 61		
Touch control roller blinds switch 1 gang		White	5737 68	5737 70	5738 40 5738 41	5738 42 5738 43
		Black	5737 69	5737 71		
4 scenarios touch control		White	5737 90	5737 92	5738 48 5738 49	
		Black	5737 91	5737 93		

ZigBee®: Certified product - Manufacturer Specific Profile

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For pack quantity, please refer to numerical index pages

Arteor™ Wireless/ZigBee®

Switches and dimmers max. loads selection charts

■ Switches and dimmers maximum loads at 230 V

	Cat. No.	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					
SWITCHES	5738 12/13	300 W	300 W	300 VA	300 VA					
SWITCHES	5738 22/23	2500 W	2500 W	2500 VA	2500 VA	1250 VA	1250 VA	1250 VA		250 VA
SWITCHES	5738 24/25	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		2 x 100 VA
SWITCHES	5738 26/27	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		3 x 100 VA
SWITCHES	5738 40/41									500 VA
SWITCHES	5738 62	2500 W	2500 W	2500 VA	2500 VA	1250 VA	1250 VA	1250 VA		250 VA
DIMMER	5738 32/33								1000 VA	

BUS/SCS technology

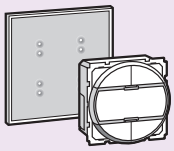
BUS/SCS technology Arteor™

P. 274 Presentation of BUS/SCS technology

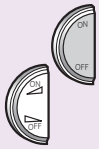
P. 283 Actuators, dimmers max. loads selection chart

P. 290 Sound distribution installation

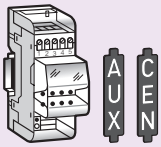
Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages



P. 278
Lighting control and automation mechanisms

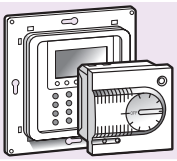


P. 279
Key covers



P. 280
Actuators, BUS power supplies accessories

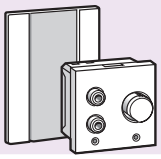
P. 282
Lighting control installation



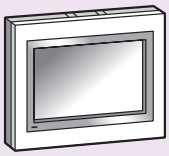
P. 284
Temperature control

P. 285
Temperature control installation

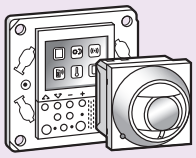
P. 286
Energy management



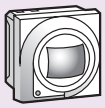
P. 288
Sound distribution



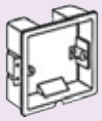
P. 291
House management system



P. 292
Door entry systems



P. 294
Detection and access control



P. 296
Mounting Accessories

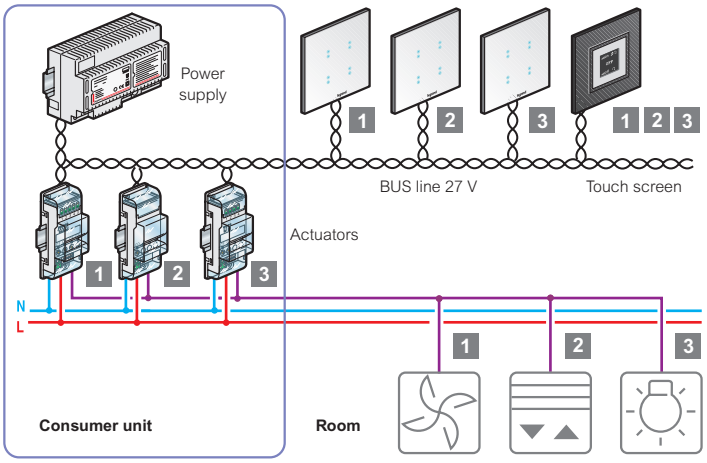
BUS/SCS technology

For creating scenarios that incorporate all the functions of large living areas: lighting, sound distribution, video door entry system...

MULTIPLICATION OF FUNCTIONS WITHOUT ANY SPACE CONSTRAINTS

BUS/SCS technology can manage different functions at the same time via 2-wire extra low voltage cables. It enables a number of functions to be integrated into scenarios and designed to adapt the user's lifestyle as required.

WIRING DIAGRAM



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For pack quantity, please refer to numerical index pages

VIDEO DOOR ENTRY SYSTEM

AUDIO AND VIDEO DOOR ENTRY SYSTEM
(See p. 292)
Controls opening, with the possibility of intercommunication with other units

SCENARIO CONTROL

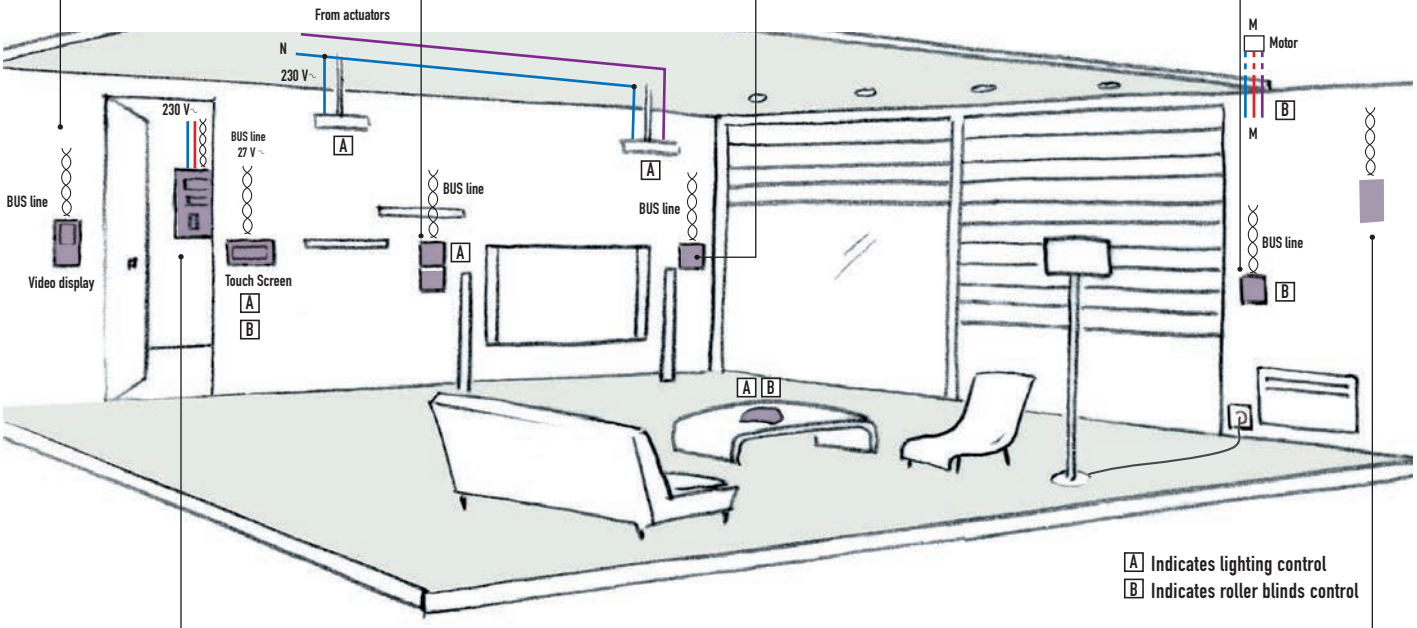
SCENARIO CONTROL
(See p. 278)
For activation of 4 scenarios

TEMPERATURE CONTROL

CENTRAL UNIT FOR TEMPERATURE CONTROL
(See p. 284)
Can manage up to 99 zones

ROLLER BLINDS CONTROL

ROLLER BLIND CONTROL
(See p. 278)
Controls any type of electric roller blinds



DIN-RAIL ACTUATORS AND HOUSE MANAGEMENT

DIN RAIL ACTUATORS
(See p. 280)
To be associated to load and control mechanisms as well as energy management

TOUCH SCREEN
(See p. 278)
For sound distribution or temperature control

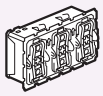
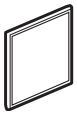
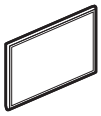
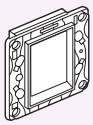
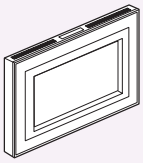
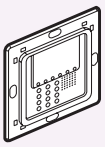
SOUND DISTRIBUTION

SOUND DISTRIBUTION CONTROL
(See p. 288)
Control and selection of audio sources

MOVEMENT DETECTION

SENSOR
(See p. 294)
Activation of lights by movement sensors

Arteor™
Quick reference guide – BUS/SCS™

Device	Type	Description	Mechanism		Key covers		
2 wire twisted pair	Hard button	1 gang switch	5739 74	+		White 5739 70	Magnesium 5739 71
		2 gang switch	5739 74	+	2 x	5739 68	5739 69
		3 gang switch	 5739 75	+	2 x + 1 x	5739 68 5739 72	5739 69 5739 73
		4 gang switch	2 x 5739 74	+	4 x	5739 68	5739 69
		6 gang switch	3 x 5739 74	+	6 x	5739 68	5739 69
	Capacitive touch plates	1 or 2 gang touch plate	British Standard 5760 03	+		White 5739 08	Black 5739 09
		3 gang touch plate	5719 20	+		5739 12	5739 13
	Square modules	Adjustable IR detector				White 5739 38	Magnesium 5739 39
		1.2" colour touch screen				5739 16	5739 17
	Specials plates	3.5" colour touch screen	 5739 60				
		10" multimedia colour touch screen				White 5739 62	Magnesium 5739 63
		Central temperature control unit				5739 18	5739 19

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For pack quantity, please refer to numerical index pages

Support frames and plates

Horizontal Installation

5719 20
Horizontal use only for 2 or 3 modules

+

White	Pearl Alu	Graphite
5756 20	5756 21	5756 22

For full selection of plates see page 236 - 237

OR

Vertical Installation

5719 10
Vertical use only for 2 modules

+

White	Pearl Alu	Graphite
5756 30	5756 31	5756 32

For full selection of plates see page 236 - 237

+

Horizontal use only for 2 or 3 modules

+

White	Pearl Alu	Graphite	Stainless Steel
5755 00	5755 01	5755 02	5756 56

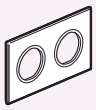
For full selection of plates see page 188

+

2 x

5760 21

+



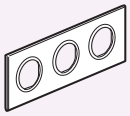
White	Pearl Alu	Graphite	Stainless Steel
5755 10	5755 11	5755 12	5755 16

+

3 x

5760 21

+



White	Pearl Alu	Graphite	Stainless Steel
5755 20	5755 21	5755 22	5755 26

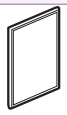
For full selection of plates see page 236 - 237

OR

Vertical Installation Italian & American standard

5719 10

+



White	Black
5739 10	5739 11

OR

N/A

Horizontal Installation

5719 20
Horizontal use only for 2 or 3 modules

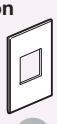
White	Pearl Alu	Graphite
5752 30	5752 31	5752 32

For full selection of plates see page 236 - 237

OR

Vertical Installation

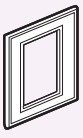
5719 10
Vertical use only for 2 modules



White	Pearl Alu	Graphite
5752 50	5752 51	5752 52

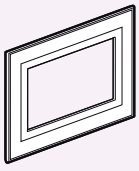
For full selection of plates see page 236 - 237

+



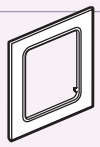
Mirror White	Mirror Black	Stainless Steel	Gold Brass	Woven Metal
5764 84	5764 83	5764 86	5764 80	5764 87

+



Mirror White	Mirror Black	Stainless Steel	Gold Brass	Woven Metal
5765 14	5765 13	5765 16	5765 10	5765 17

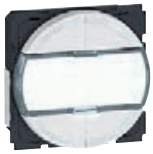
+



Mirror White	Mirror Black	Stainless Steel	Gold Brass	Woven Metal
5765 24	5765 25	5765 26	5765 20	5765 37

Arteor™ BUS/SCS
Lighting control and automation control mechanisms

5739 74


5739 02

5739 00

5739 04

5739 05

Support frames and plates selection charts (p. 236 - 237)

Micropush control mechanisms

To be installed in flush-mounting boxes

Basic functions

To be equipped with round version key covers (p. 279) and plates (p. 236 - 237)

Pack	Cat. No.	
1	5739 74	2 module mechanism Control for the activation of 1 actuator for single or double loads, or 2 actuators for single load, or independent double loads for lighting and shutters
1	5739 75	3 module mechanism Control for the activation of 3 actuators for single or double loads, or 2 actuators for single load or independent double loads

Basic and special functions

To be equipped with round version key covers (p. 279) and plates (p. 236 - 237)

Pack	Cat. No.	
1	5739 87	2 module mechanism Control for the activation of 4 scenarios, soft-start and soft-stop of dimmers, sound distribution functions and activation of devices installed on different BUS branches

Scenario controller

Equipped with White or Magnesium round version rocker plates, to be equipped with plates (p. 236 - 237)

Pack	White	Magnesium	
1	5739 02	5739 03	2 module mechanisms Control for the activation of 4 scenarios stored in the DIN scenario module Cat. No. 035 51 (p. 281)

IR receivers

Equipped with White or Magnesium square version cover plates, to be equipped with plates (p. 236 - 237)

Pack	White	Magnesium	
1	5739 00	5739 01	To be associated with remote control Cat. No. 882 31 Can receive up to 16 commands

Mobile scenario controller

Advanced IR remote controller

Pack	Cat. No.	
1	882 31	4 push-buttons to control 4 scenarios (1 scenario can control several functions: shutters, lighting...) To be used in association with IR receiver Cat. No. 5739 00/01

Touch control mechanisms

Equipped with White or Black touch plates

Basic functions

Control for the activation of 1 single actuator for single or double loads, or 2 actuators for single load, or independent double loads for lighting and shutters

Pack	White	Black	
1	5739 08	5739 09	2 module mechanisms For British standard flush-mounting boxes (p. 296)
1	5739 10	5739 11	2 module mechanisms For 2'' x 4'' Italian and American flush-mounting boxes

Basic and special functions

Control for the activation of 4 scenarios, soft-start and soft-stop of dimmers, sound distribution functions

Pack	White	Black	
1	5739 04	5739 05	2 module mechanisms Can control up to 4 scenarios For British standard flush-mounting boxes (p. 296)
1	5739 06	5739 07	2 module mechanisms Can control up to 4 scenarios For 2'' x 4'' Italian and American flush-mounting boxes
1	5739 12	5739 13	3 module mechanisms Can control up to 6 scenarios For British, Italian and American flush-mounting boxes

Touch screens

Equipped with White or Magnesium surround, to be equipped with plates (p. 236 - 237)

Pack	White	Magnesium	
1	5739 16	5739 17	1.2" touch screen for activation of 4 scenarios or temperature, or sound distribution functions To be equipped with 2 module plates

Scenario controllers with specific marking for hotels (see p. 246)

For complete technical information see "Arteor™ - Project and installation Guide"

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ BUS/SCS
Lighting control and automation key covers

5739 64 5743 61 5743 65 5743 71 5743 68 5743 75 5743 72 5743 79 5743 76 5743 63 5739 68 5743 87

5743 88 5743 91 5743 92 5743 81 5743 82 5743 85 5739 70 5739 73

White or Magnesium round version key covers
For BUS / SCS micropush control mechanisms

1 module key covers

Pack	Cat. No. White	Cat. No. Magnesium	
			For micropush control mechanisms
			Regulation symbol
5	5739 64	5739 65	Left-hand side mounting
5	5743 60	5743 61	Right-hand side mounting
			Light symbol
5	5743 65	5743 67	Any mounting
			Dimmer symbol
5	5743 69	5743 71	Left-hand side mounting
5	5743 68	5743 70	Right-hand side mounting
			GEN/ON/OFF marking
5	5743 73	5743 75	Left-hand side mounting
5	5743 72	5743 74	Right-hand side mounting
			ON/OFF marking
5	5743 77	5743 79	Left-hand side mounting
5	5743 76	5743 78	Right-hand side mounting
			Up/down symbol
5	5743 62	5743 63	Any mounting
			Without marking
5	5739 68	5739 69	2 functions Any mounting

2 module key covers

Pack	Cat. No. White	Cat. No. Magnesium	
			For micropush control mechanisms
5	5743 86	5743 87	Regulation symbol
5	5743 88	5743 89	GEN marking
5	5743 90	5743 91	Dimmer symbol
5	5743 92	5743 93	Light symbol
5	5743 80	5743 81	GEN/ON/OFF marking
5	5743 82	5743 83	ON/OFF marking
5	5743 84	5743 85	Up/down symbol
5	5739 70	5739 71	2 functions without marking

Special key covers

Pack	Cat. No. White	Cat. No. Magnesium	
			For 3 module micropush control mechanisms
5	5739 72	5739 73	Central rectangular key cover for Cat. No. 5739 75

Arteor™ BUS/SCS
Lighting control and automation

038 42

026 02

036 52

036 53

Technical characteristics (p. 283)

Pack	Cat. No.	DIN rail actuators 240 V~ - 50/60 Hz
		N/O contact To be associated to loads and control mechanisms (p. 278)
1	038 41	1-output relay for controlling 1 circuit Maximum load: 16 A resistive load 2 DIN modules
1	038 42	2-output relay for controlling 2 circuits Maximum load per circuit: 6 A resistive load or incandescent lamps 1 x 500 VA for roller blinds with end stops 2 DIN modules
1	038 44	4-output relay for controlling 4 circuits Maximum load per circuit: 6 A resistive load 2 DIN modules
1	026 02	Relay with 4 x 16 A outputs 6 DIN modules

Pack	Cat. No.	DIN rail dimmers
		To be associated to loads and control mechanisms (p. 278) for dimming control
		Leading/trailing edge dimmers
1	026 27	6 Channel dimmer. Maximum load: 300 W per channel 12 DIN modules 230-240 V
		Leading edge dimmers
1	036 52	Maximum load: 60 - 1000 W / 230-240 V~ - 50 Hz 4 DIN modules
		Trailing edge dimmers
1	036 53	Maximum load: 0.25 to 1.7 A / 230-240 V~ - 50 Hz 4 DIN modules
		For electronic ballast 0-10V
1	036 56	Maximum load: 500 VA 2 DIN modules

Pack	Cat. No.	RJ adaptor
10	488 72	For connecting Cat. No. 026 02/21/22/11 to the BUS

Pack	Cat. No.	BUS power supplies
1	035 60	Input voltage: 240 V~ output voltage 27 V⎓ Maximum current supplied: 1.2mA 8 DIN modules
		Mini power supply.
1	035 67	Input voltage: 240 V~ output voltage 27 V⎓ Maximum current supplied: 600mA 2 DIN modules

Pack	Cat. No.	SCS / DALI interface
1	026 31	Allows the communication between SCS installation and lighting devices controlled by DALI protocol 6 DIN modules

Pack	Cat. No.	Contact interfaces
		Allow the connection between traditional wiring devices such as switches, time delay switches or external sensors and BUS installation to control 2 actuators for single function or 1 actuator for double functions 2 independent contacts
1	035 53	2 DIN modules
1	5739 96	Basic modularity To be installed in flush-mounting box

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ BUS/SCS
Accessories for automation

035 51

035 52

035 62

492 13

492 19

492 37

Pack	Cat. No.	Additional DIN devices
		Memory module for actuators
1	035 52	Restores the last state of an actuator in case of a power failure 2 DIN modules
		Scenario module
1	035 51	Allows creation of scenarios by linking different functions Up to 16 scenarios 2 DIN modules
		SCS-SCS gateway (extension)
1	035 62	Allows the extension of the installation or the integration between different functions Suitable for larger installations 2 DIN modules
		SCS cables 2-wire cable for BUS system Conform to IEC 45-5 and IEC 20-20
1	492 31	Length 100 m
1	492 32	Length 500 m
		Virtual configuration
		Virtual configuration software
1	492 90	Comprising: 1 CD with software for PC
1	492 80	**Virtual configuration kit**
		Additional devices
		USB cable
1	492 34	Programming cable
		BUS spare clamp
10	492 22	Used to connect the various system components (controls, dimmers, etc) to the BUS line

Pack	Cat. No.	Plug-in jumpers for all devices
10	492 00	0
10	492 01	1
10	492 02	2
10	492 03	3
10	492 04	4
10	492 05	5
10	492 06	6
10	492 07	7
10	492 08	8
10	492 09	9
5	492 10	GEN
5	492 11	GR
5	492 12	AMB
5	492 13	AUX
5	492 14	ON
5	492 15	OFF
5	492 16	O/I
5	492 17	PUL
5	492 18	SLA
5	492 19	CEN
5	492 20	↑↓
5	492 21	↑↓M
1	261 45	Kit with "0 to 9" jumpers (10 pieces of each figure)
1	492 37	Kit with: AUX, GEN, GR, AMB, ON, OFF, O/I, PUL, SLA,CEN, ↑↓, ↑↓M

For complete technical information see "Arteor™ - Project and installation Guide"

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For pack quantity, please refer to numerical index pages

System principle

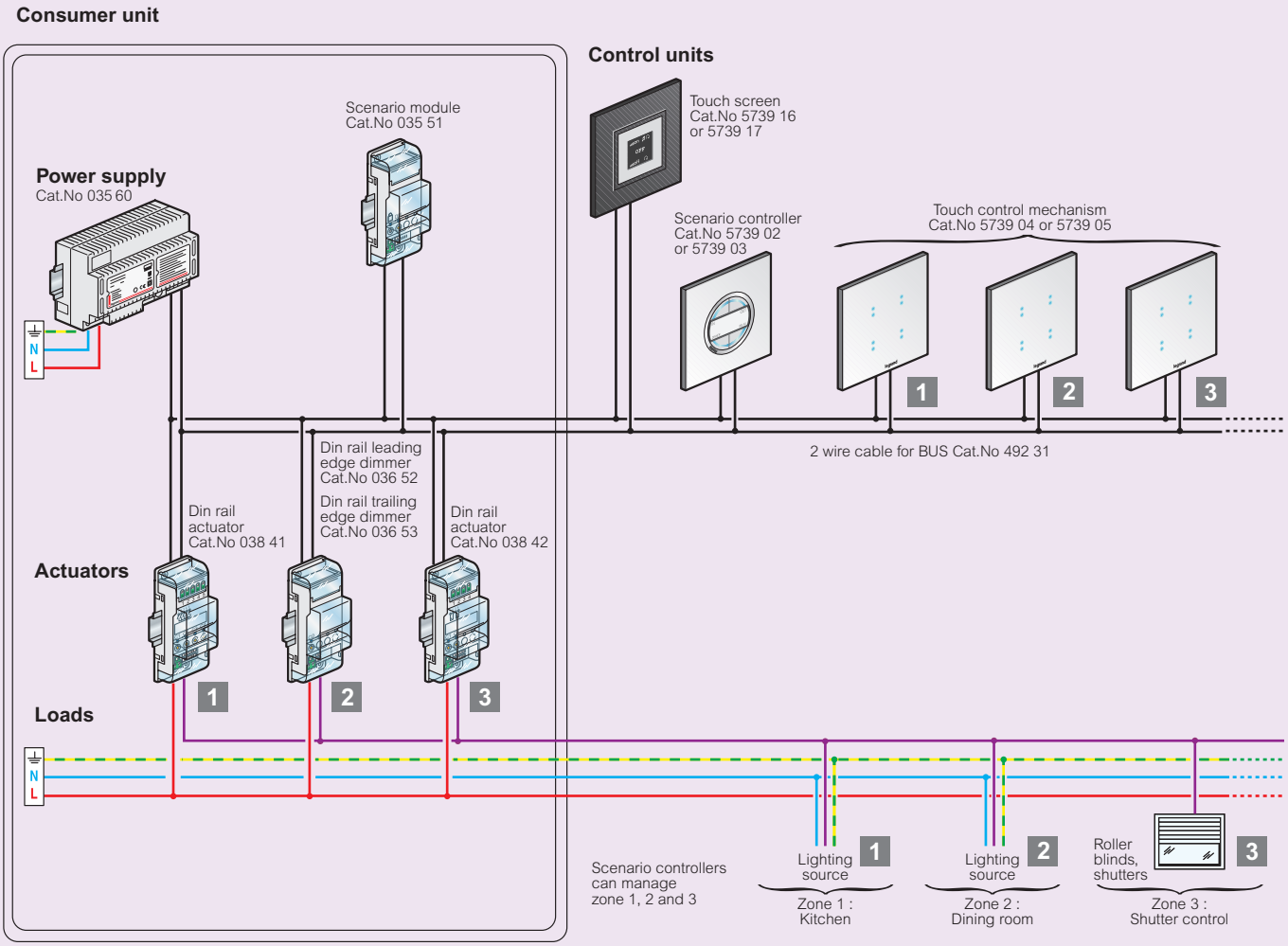
The Lighting Control system allows the management of different functions in a simultaneous and integrated way
All the components of the Lighting Control system are interconnected via an electronic circuit that can be programmed: the BUS
The information is exchanged through the 2 wire BUS cable at low voltage (27 V⎓)

There are two types of devices in the system:
- the controls units, which are connected only to the BUS cable and
- the actuators, connected both, to the BUS cable and to the 230V~ mains power line for managing the connected load

When the Lighting Control system devices are configured properly, it is possible to manage the load as follows:
- control for a single load
- control for one or more load groups;
- simultaneous management of all loads

It is also possible to carry out special functions, which can hardly be achieved with conventional electrical systems
These functions are called scenarios
One scenario is a set of simultaneous control of multiple groups of loads, used in order to modify the environment according to the user's needs
An example of a scenario can be represented by the simultaneous activation of lights, which can be set by the user after getting inside the building by using one single control device or by using the Touch Screen menu

Installation principle



Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Actuators and dimmers max. loads at 240 V

	Cat. No.	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	038 41	3500 W	3500 W	1000 VA	1000 VA	1000 VA	1000 VA			
ACTUATORS	038 42	2300 W	2300 W	500 VA	250 VA	250 VA	250 VA			500 VA
ACTUATORS	038 44	1400 W	1400 W	500 VA	70 VA	70 VA	70 VA			500 VA
ACTUATORS	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	036 56							10 x 55 VA	10 x 55 VA	
DIMMERS	036 52	1000 W	1000 W	1000 VA						
DIMMERS	036 53				400 VA					
DIMMERS	026 27	300W	300W	300W	300W		300W	300W		

Technical data - 026 27

		Incandescent lamp	Halogen lamp	Ferromagnetic transformer	Electronic transformer	Fluoro compact lamp	LED lamp
+40°C +0°C 230 -240 Vac 50Hz	1 x 2.5mm² 2 x 1.5mm²						
240 Vac	MAX	300W	300W	300W	300W	300W	300W
	MIN	5W	5W	5W	5W	5W	5W

Arteor™ BUS/SCS
Temperature control

5739 19

5739 20

5739 23

5739 24

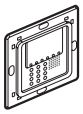
5739 16

Support frames and plates selection charts (p. 236 - 237)

Pack	Cat. No.		
		White	Magnesium
1		5739 18	5739 19

Central units for temperature control

Equipped with White or Magnesium square version keypad cover plates, to be equipped with special plates (p. 236 - 237)
Supplied with support frame, flush-mounting box and 7.2 V battery Cat. No. 675 18



Temperature control central unit
Can manage up to 99 zones

Pack	Cat. No.		
		White	Magnesium
1		5739 20	5739 21
1		5739 22	5739 23
1		5739 24	5739 25

Probes

To control the room temperature of heating and cooling system
Equipped with White or Magnesium square version cover plates, to be equipped with plates (p. 236 - 237)
To be installed in flush-mounting boxes
2 module mechanisms 22.5 x 45 mm

Temperature setting range: from 3 °C to 40 °C

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

Temperature setting range: from 3 °C to 40 °C with manual/ automatic speed selection for fan-coil

Pack	Cat. No.		
		White	Magnesium
1		5739 16	5739 17

Touch screens

Equipped with White or Magnesium surround, to be equipped with plates (p. 236 - 237)

1.2" touch screen for activation of 4 scenarios or temperature, or sound distribution functions
To be equipped with 2 module plates

Pack	Cat. No.	DIN rail actuators 240 V~ 50/60 Hz
1	035 79	**Actuator with 2 independent relays** For single and double loads: 6 A resistive, 3 A motorised valves and pumps 2 DIN modules
1	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

Power supplies

1	035 60	Input voltage: 240 V~ output voltage 27 V⎓ Maximum current supplied: 1.2 A 8 DIN modules
1	035 67	**Mini power supply.** Input voltage: 240 V~ output voltage 27 V⎓ Maximum current supplied: 600mA 2 DIN modules

Battery for temperature control central unit

1	675 18	7.2 V battery for central unit

SCS cables

2-wire cable for BUS system
Conform to IEC 45-5 and IEC 20-20

1	492 31	Length 100 m
1	492 32	Length 500 m

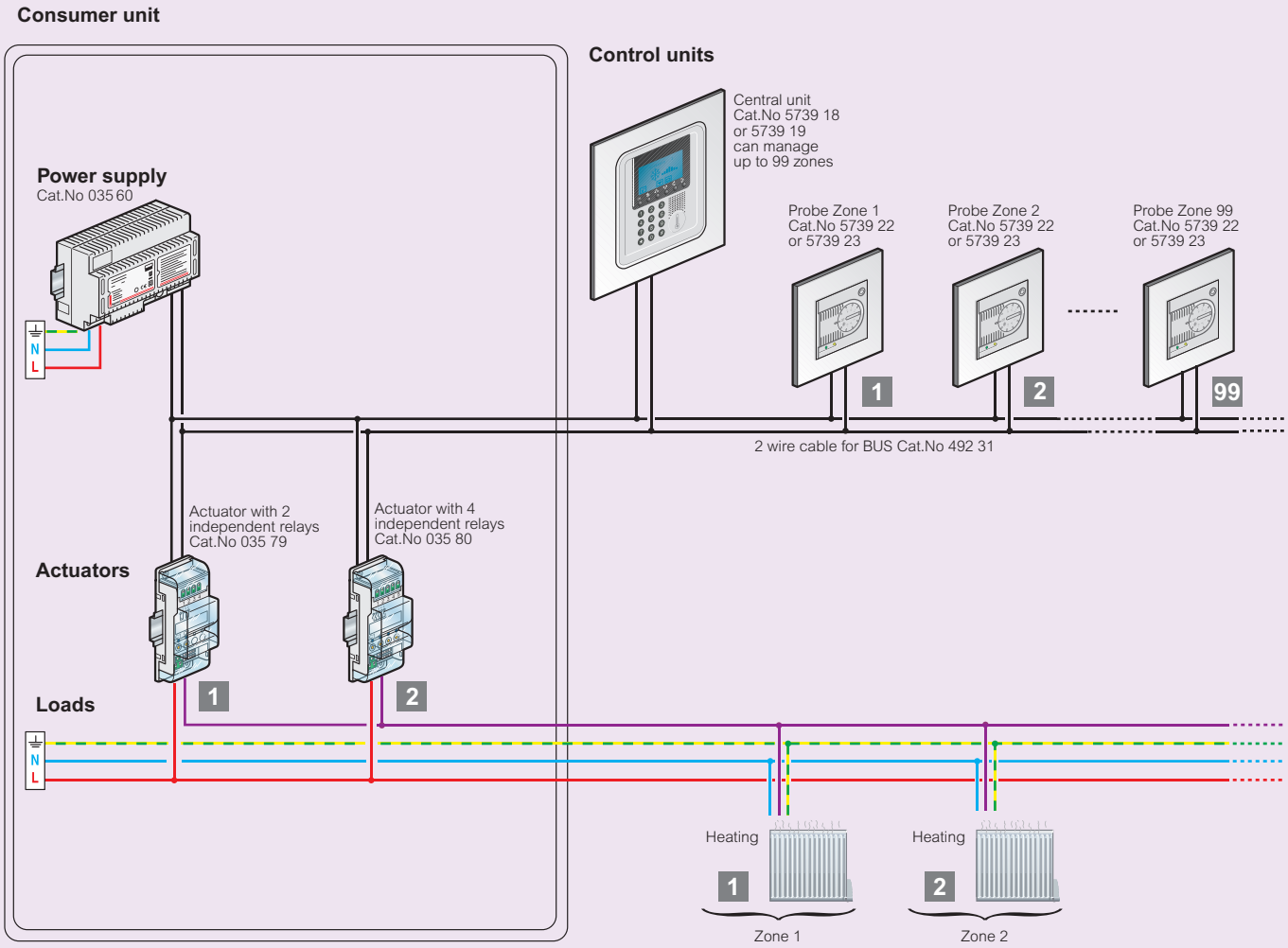
IR control

1	883 01	IR control for split system airconditioners IR emitter that stores IR codes from any air conditioning system. Comes with 2 Metres of IR cable

For complete technical information see "Arteor™ - Project and installation Guide"

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

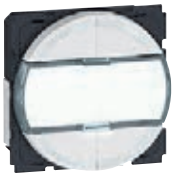
■ Installation principle



Arteor™ BUS/SCS
Energy management

035 54

035 55



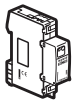
5739 91

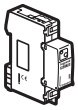
883 01

Pack	Cat.No.	Pulse counter interface
1	035 54	Device for the detection of data from gas meters with pulse output. The measured values can be displayed on the Touch Screen. Basic module version, for hidden installation. Power supply from 27 V BUS.
1	035 14	Device for the detection of data from water meters with pulse output. The measured values can be displayed on the Touch Screen. Basic module version, for hidden installation. Power supply from 27 V BUS.

Pack	Cat.No.	BUS meter with memory 3-inputs for toroids
1	035 55	Device for the measurement of electric power on three lines, by connecting three toroids to the appropriate inputs. The data collected and processed can be viewed on the Touch Screens. Version for fastening on DIN rail - 1 module. The device is supplied with 1 toroid. Power supply from 27 V BUS.

Pack	Cat.No.	Additional toroid
1	035 56	Additional toroid for bus meter with 3 inputs for toroids item 035 55, and actuator with current sensor, item 035 58 for the measurement of the earth leakage current. Cable length 400mm. The toroid has no direction of installation.

Pack	Cat.No.	Central unit for load management
1	035 57	 Central unit for the management and control of the actuators of the load management system, to prevent the risk of trips of the electric meter. The central unit manages up to 63 loads maximum, with a power of 1.5 to 18 kW, and a tolerance of up to +/- 20% The data measured can be displayed on the Touch Screens. Version for fastening on DIN rail - 1 module. The device supplied with 1 toroid. Power supply from 27 V BUS.

Pack	Cat.No.	Actuator din module 16A with current sensor
1	035 58	 Actuator with integrated current sensor for the measurement of the consumptions of the controlled load. 1 relay for single load, resistive, 16A, or 10A for incandescent lamps and 4A fluorescent lamps or ferromagnetic transformers. Zero crossing bistable relay intended for the load control. Automation and/or Management functions. Version for installation on 1 DIN rail module with forcing key. Earth leakage current diagnostic by connecting the additional toroid, item 035 56 Power supply from 27 V BUS

Pack	Cat.No.	Base din module actuator 16A
1	035 59	Actuator with relay - for single loads: 16A resistive or 10A for incandescent lamps and 4A for fluorescent lamps or ferromagnetic transformers - Zero crossing bistable relay intended for the load control automation and/or management functions. Version for installation on 1 DIN rail module with forcing key. Power supply from 27 V BUS

Pack	Cat.No.	Load management panel
1	White 5739 85 / Magnesium 5739 91	Device that enables displaying the status of the loads controlled by the load central unit item 035 57 and force their operation independently from the central unit itself

Pack	Cat.No.	Air conditioning unit interface
1	883 01	Air conditioning unit interface with IR transmitter. Device used for learning and reproducing the IR signals of air conditioning units remote controls. It can be controlled using Touch Screen and Multimedia Touch Screen. Basic mechanism, to facilitate installation behind the air conditioning unit. IR cable length 2M, 27 V BUS power supply.

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Photovoltaic panel

Inverter

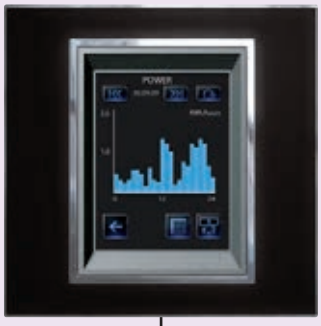
L

230 Vac

N

Compact power supply

BUS meter with toroids



Touchscreen

BUS meter with toroids

SCS BUS

Pulse counter interface

Gas & water meter with pulse output

Arteor™ BUS/SCS
Sound distribution

5739 76

5739 67

5739 26

5739 29

5739 16

Support frames and plates selection charts (p. 236 - 237)

Amplifiers

Pack	Cat. No.	
		Flush-mounting amplifier
1	5739 76	16 W - 2 modules To be equipped with round version key cover and plate (p. 279)
		DIN rail amplifiers
1	035 85	16 W - 100/240 V~ 4 DIN modules
1	035 83	30 W - 100/240 V~ 10 DIN modules
		1-module key covers For flush-mounting amplifier Cat. No. 5739 76
	White / Magnesium	
5	5739 66 / 5739 67	Right-hand side mounting with marking
5	5739 64 / 5739 65	Left-hand side mounting with marking

RCA inputs

Pack	White / Magnesium	
1	5739 26 / 5739 27	Equipped with White or Magnesium square version cover plate, to be equipped with plates (p.236 - 237) For connecting a stereo source to the system 2-module mechanism

Loudspeakers

Pack	White / Magnesium	
		Flush-mounting
1	5739 28 / 5739 29	8 ohms - 100 W To be installed in flush-mounting box min. depth 80 mm
1	5739 77	16 ohms - 12 W To be installed in flush-mounting box Cat. No. 893 79 or 892 79
		Surface-mounting
1	5739 30	8 ohms - 40 W
1	5739 78	8 ohms 140 W
		False ceiling mounting
1	5739 81	8 ohms - 100 W Ø 240 mm
1	5739 82	8 ohms - 20 W Ø 100 mm

Touch screens

Pack	White / Magnesium	
1	5739 16 / 5739 17	Equipped with White or Magnesium surround, to be equipped with plates (p. 236 - 237) 1.2" touch screen for activation of 4 scenarios or temperature, or sound distribution functions To be equipped with 2 module plates

Audio/video signal distribution devices

Pack	Cat. No.	
1	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
1	5739 98	Audio/video node for mixing audio/video sources (max. 4 sources) 6 DIN modules

DIN RDS radio sources

Pack	Cat. No.	
1	035 82	RDS stereo radio tuner with coaxial connector for external aerial antenna and wire fail (depth compensator) Supplied with depth compensator 4 DIN modules

DIN stereo control sources

Pack	Cat. No.	
1	035 86	For stereo sources IR remote control possible RCA/RCA and jack cables to connect to IR transmitters 4 DIN modules

Flush-mounting boxes

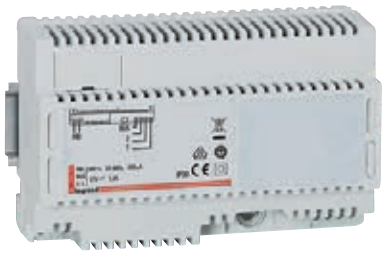
Pack	Cat. No.	
		For loudspeaker Cat. No. 5739 77
2	893 79	For dry partitions - 2 x 3 modules
2	892 79	For concrete walls - 2 x 3 modules

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ BUS/SCS
Sound distribution

5739 32

5739 88


634 35

Support frames and plates selection charts (p. 236 - 237)

Connectors

Pack	Cat. No.	
1	White 5739 32 / Magnesium 5739 33	Equipped with White or Magnesium square version cover plates, to be equipped with plates (p. 279) 1 module mechanism 8 contact connector to link interface Cat. No. 035 86 to the BUS

Sound output

Pack	Cat. No.	
1	5740 44	Sound output for touch screen 3.5" and 10" (p. 291) Work as a source for sound distribution system

Attenuator

Pack	Cat. No.	
1	035 89	To be connected at the end of the line of the outputs of audio/video node and multi-channel matrix

Insulator

Pack	Cat. No.	
1	5739 88	Adapts the signal coming from external sound sources to the sound distribution system

Power supplies

Pack	Cat. No.	
1	634 35	Power supply unit for sound and door entry systems Input voltage: 230-240 V~ Output voltage 27 V⎓ maximum consumption 1 A 8 DIN modules

BUS cable

Pack	Cat. No.	
1	5739 99	For sound distribution and video door entry system 200 m

BUS cord

Pack	Cat. No.	
5	5740 45	600 mm

For complete technical information see "Arteor™ - Project and installation Guide"

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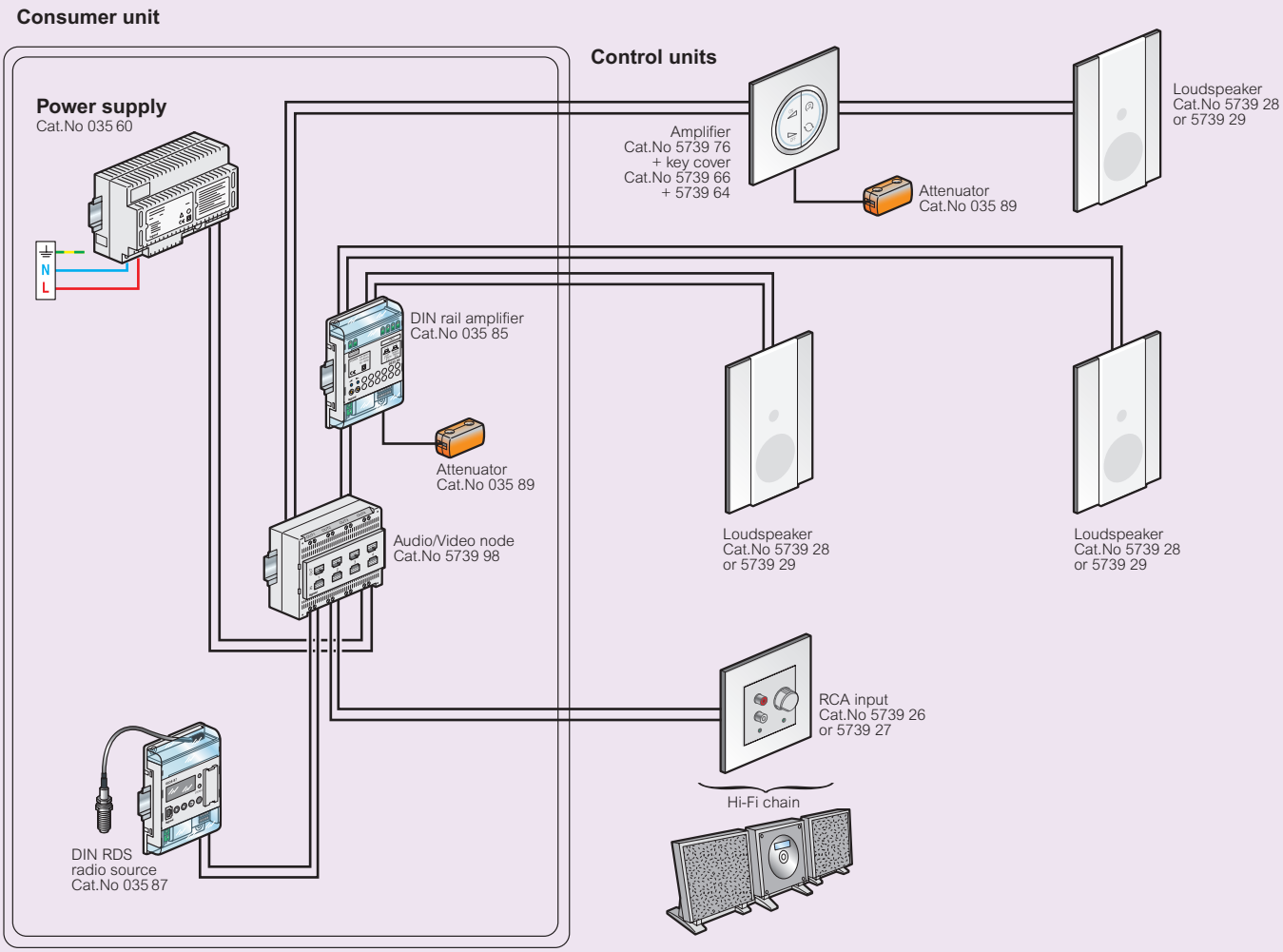
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ BUS/SCS
Sound distribution

■ Installation principle



Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ BUS/SCS
House system management

5739 16

5739 60

5739 63

Support frames and plates selection charts (p. 236 - 237)

Local management

Pack	Cat. No. White	Cat. No. Magnesium	
			1.2" touch screens Equipped with White or Magnesium surround, to be equipped with plates (p. 236 - 237)
1	5739 16	5739 17	1.2" touch screen for activation of 4 scenarios or temperature, or sound distribution functions To be equipped with 2 module plates
			3.5" touch screen Supplied with support frame and with White and Magnesium surround, to be equipped with special plates (p. 236 - 237)
1	5739 60		3.5" touch screen to control all BUS functions: lighting, temperature, intruder alarm and sound distribution To be installed in flush-mounting box Cat. No. 892 79 or 893 79
			10" multimedia touch screens Equipped with White or Magnesium cover plate, to be equipped with special plates (p. 236 - 237)
1	5739 62	5739 63	10" touch screen for the control of the house: all BUS functions, door entry system, multimedia (web, radio, webcam...) Surface-mounting

Remote management

Pack	Cat. No.	
		Web server gateway TCP-IP
1	5739 92	Allows the communication between a BUS/SCS installation and a TCP/IP network 10 DIN modules

Other devices

Pack	Cat. No.	
		Supervision software
1	492 49	Can be used in order to tune up the system's functions through a computer, and to follow them on real time basis
		Scenario scheduler
1	035 65	Allows setting up of up to 300 scenarios with pre-set conditions (time and logical type) 6 DIN modules
		Scenario scheduler power supply
1	035 64	Provide power for Web server and scenario scheduler Cat. No. 035 65

Flush-mounting boxes

For 3.5" touch screen Cat. No. 5739 60

Pack	Cat. No.	
2	893 79	For dry partitions - 2 x 3 modules
2	892 79	For concrete walls - 2 x 3 modules

For complete technical information see "Arteor™ - Project and installation Guide"

Whilst most items are stock lines some products are made to order
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For pack quantity, please refer to numerical index pages

Arteor™ 2-wire
Door entry systems

5739 50

5739 52

5739 86

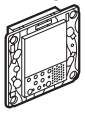
AXOLUTE
S740 40 + 5740 41

Support frames and plates selection charts (p. 236 - 237)

Pack	Cat. No.	
	White	Magnesium
1	5739 50	5739 51

Video internal display units

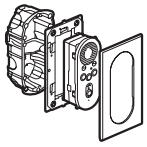
Equipped with support frame and with White or Magnesium cover plates



Hands-free internal unit
2.5" LCD colour display
Possible integration in BUS system
To be equipped with special plates (p. 236 - 237)
To be installed in flush-mounting box
Cat. No. 893 79 or 892 79

Pack	Cat. No.	
	White	Magnesium
1	5740 11 (1)	5743 11 (2)

Audio internal units



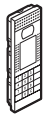
Equipped with:
- microphone,
- loudspeaker
- 2 hang-up push-buttons
- 1 door release push-button
- 2 auxiliary push-buttons for other functions

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

Video/audio street panels

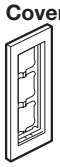
Pack	Cat. No.	
1	5740 40	**Street panel**
1	5740 41	**Cover plate**
1	5740 42	**Flush-mounting box**

Street panel



Electronic module including:
speaker phone module, motorised camera and colour display
Possible access via integrated proximity card reader
Supplied with programming and configuration software

Cover plate



Vandalproof steel finish cover plate and support frame
With key for assembly

Flush-mounting box

Vandalproof flush-mounting box

Pack	Cat. No.	
1	5739 86	**For outdoor use**
	White	Magnesium
1	5739 52	5739 53

Optional cameras

For outdoor use

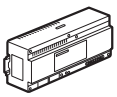
2-wire colour camera

For flush-mounting

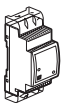
2-wire colour camera with swiveling lens
Automatic adjustment of focus and brightness
Built-in microphone
Equipped with White or Magnesium cover plates, to be equipped with plates (p. 236 - 237) To be installed in flush-mounting box 2 modules

Pack	Cat. No.	
1	634 35	
1	634 42	

Power supplies



Power supply unit for sound and door entry systems
Input voltage: 230-240 V~
Output voltage 27 V⎓
maximum consumption 1.2 A
8 DIN modules



Mini power supply. Additional power for specific products
Input voltage: 230-240 V~
Output voltage 27 V⎓
maximum consumption 600mA
2 DIN modules

Pack	Cat. No.	
1	5739 99	

BUS cable

For sound distribution and video door entry system
200 m

(1) Supplied with White plate
(2) Supplied with Mirror Black plate

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

Arteor™ 2-wire (continued)
Door entry systems

634 34

634 31

Pack	Cat. No.	Accessories for video door entry systems
		2-wire video adaptor
1	634 34	Video adaptor Use one adaptor per power supply 2 DIN modules
		Video signal distributor
1	634 32	Video distributor with 4 outputs for intercom module for up to 5 units
		Interface for auxiliary control
1	634 31	Relay for auxiliary commands Allows the connections of auxiliary functions such as lighting, automatic door opening... 4 DIN modules
		Intercommunication module for up to 5 units
1	634 38	Intercommunication units. Max. capacity: 5 gangs 4 DIN modules
		Door release
1	634 33	Door release relay C/O volt-free contact: max 24 V⎓ 8 A resistive 4 A inductive 2 DIN modules
		Extension interface
1	634 39	Extension interface increase system limits in distances and number of internal and external units
		Video signal converter
1	5740 38	Video signal converter from coaxial to 2-wire bus for 12V⎓ CCTV cameras: the CCTV camera is directly supplied via a terminal
		2-wire/IP interface
1	5740 39	For extended systems with IP backbone and 2-wire support
		Virtual switchboard software
1	5740 43	Virtual switchboard software for managing entryphone and video entryphone calls The software (for Windows operating systems) can be installed on any fixed or mobile PC and is used to receive, manage and transfer calls from inside and outside Offers home video control with cyclical CCTV vision, day and night functions and the ability to display the alarms present in the various apartments - Operating systems supported: Microsoft Windows XP Service Pack 2 and Windows Vista - Software required: NET Framework 2.0 or later

Arteor™ 2-wire
Video door entry system kits

5740 32 (see composition below)

Pack	Cat. No.	Video door entry system kits
		For 1 apartment or villa
1	5740 32	Comprising: - 1 street panel supplied complete with special flush-mounting box - 1 hands-free video internal unit equipped with colour display and supplied with special flush-mounting box, support frame and Mirror white plate - 1 power supply - 1 video adaptor Possibility to install up to 4 internal video or audio units
		For 2 apartments
1	5740 33	Comprising : - 1 street panel supplied complete with special flush-mounting box - 2 hands-free video internal units equipped with colour display and supplied with special flush-mounting box, support frame and Mirror white plate - 1 power supply - 1 video adaptor Possibility to install up to 2 internal video or audio units

Arteor™ BUS/SCS
Detection and access control

5739 41

5739 38

5739 48

488 33

Support frames and plates selection charts (p. 236 - 237)

Detectors

Equipped with White or Magnesium square version cover plates, to be equipped with plates (p. 236 - 237)
2 module mechanisms

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

Pack	Cat. No. White	Cat. No. Magnesium	
1	5739 36	5739 37	Fixed IR detector Angular opening 105°
1	5739 38	5739 39	Adjustable IR detector Angular opening can be divided from 105°to 0° Swivel lens on 2 axes
1	488 33		Ceiling mount sensor, surface mount 90-360°

Double technology detectors (IR and MW)

Pack	Cat. No. White	Cat. No. Magnesium	
1	5739 40	5739 41	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

Transponder readers

Equipped with White or Magnesium square version cover plates, to be equipped with plates (p. 236 - 237)
2 module mechanisms

Pack	Cat. No. White	Cat. No. Magnesium	
1	5739 48	5739 49	Transponder reader which activates/deactivates the system with the transponder (badge) Able to store up to 30 transponders

Transponders

Pack	Cat. No.	
3	035 75	Key card transponder to activate/deactivate the system

Opening detector interfaces

Pack	Cat. No.	
1	035 73	Contact interface. 2 DIN modules

Accessories

SCS cable

2 wire cable for BUS system
Conform to IEC 45-5 and IEC 20-20

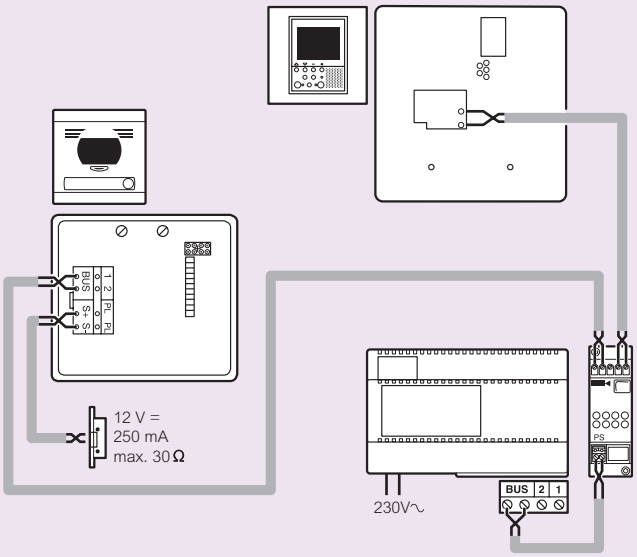
Pack	Cat. No.	
1	492 31	Length 100 m

For complete technical information see "Arteor™ - Project and installation Guide"

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

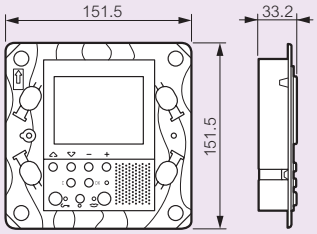
■ Video door entry system

Wiring diagram for video kit Cat. No. 5740 32



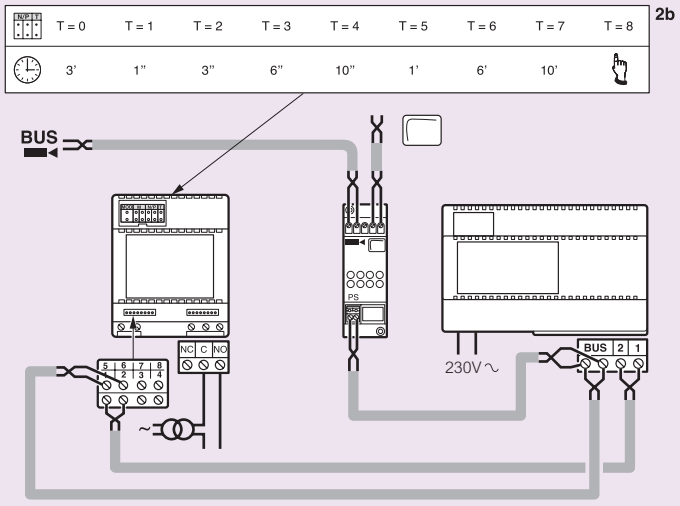
Number of wires to be used irrespective of the number of apartments:
2 wires for both audio and video

Dimensions of video internal display units Cat. No. 5739 50/51



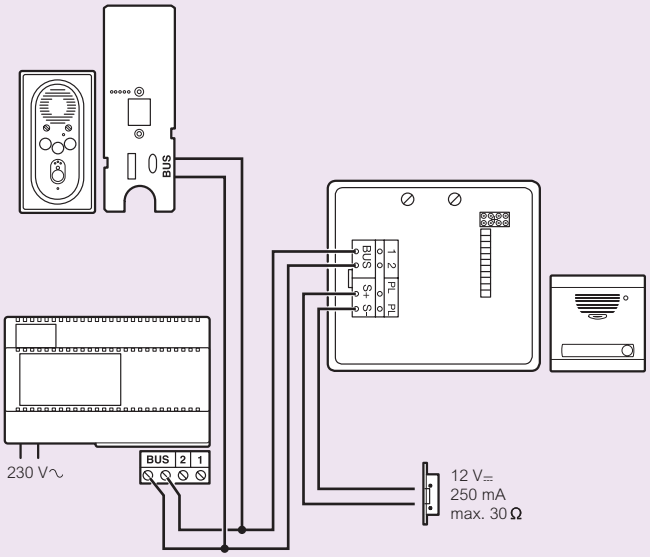
Installation distances for video

	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)

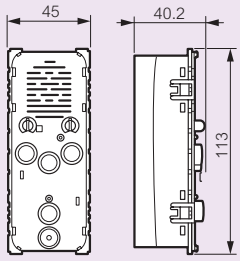


■ Audio door entry system

Wiring diagram with 1 street panel and 1 audio internal unit Cat. No. 5740 11 or 5743 11



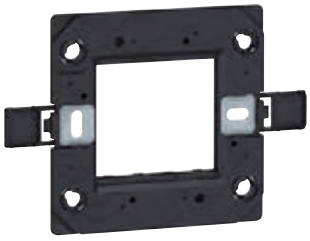
Dimensions of audio internal units Cat. No. 5740 11 and 5743 11

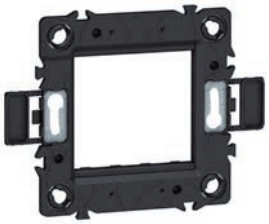


Installation distances for audio door entry systems

	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

Mounting accessories for BUS/SCS only
2, 4 and 6 gang


5760 03


5760 21

800 77

800 42

Pack	Cat. No.	Support frames for French and German type plates
		For mounting of home automation controls only
		Screw mounting
10	5760 21	For 2 modules
		Claw mounting
5	5760 20	For 2 modules
10	5760 03	**Support frames for British standard touch plates** For mounting of home automation controls only (suitable for SCS touch plates only) **Screw mounting** For 2 modules
		Tools for flush-mounting boxes
		Installation gauge
1	800 77	For easy marking and cutting out of plasterboard in multi-gang configuration from an existing hole. Integrated bubble level
		Hole cutter
1	800 67	Bi-metallic hole cutter Equipped with extractor spring Ø67 mm 1 to 4-gang boxes For use in the following materials: plasterboard, wood, fibreboard, stainless steel reinforced life M3 HSS teeth Pilot drill with carbide tip

Pack	Cat. No.	Batibox™ Plaster boxes
		For mounting equipment using screws Drilling diameter 67 mm Supplied with removable dividers for accommodating extended functions Depth 40 mm
		For 60 and 71 mm fixing centres
50	800 41	1-gang or 2 modules
30	800 42	2-gang or 4 modules Horizontal or vertical use
30	800 43	3-gang or 6 modules Horizontal or vertical use
20	0893 12	**Plaster box** Spring loaded lugs accommodate plaster or other materials ranging from 6 to 20 mm thickness Depth 32 mm
100	801 41	**Batibox™ Masonry boxes** 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, Depth 40 mm

Installation table

French and German standard						
Product	**Plate**	**Support Frame**		**Plaster Box**		**Masonry Box**
2 modules (2 gang)	(1)	5760 21	+	800 41	**OR**	801 41
2 x 2 modules (4 gang)	(1)	5760 21 + 5760 21	+	800 42	**OR**	801 41 + 801 41
2 x 3 modules (6 gang)	(1)	5760 21 + 5760 21 + 5760 21	+	800 43	**OR**	801 41 + 801 41 + 801 41
British standard touch control plates						
2 modules (2 gang)	5739 04/05/08/09	5760 03	+	893 12	**OR**	801 41

(1) Plates selection chart (p. 236 - 237)

Whilst most items are stock lines some products are made to order
For delivery dates and latest prices please contact your local HPM Legrand customer service representative
For pack quantity, please refer to numerical index pages

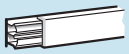
Notes

Cable management

Floor

P. 301 Presentation of office equipment system

Trunking systems



P. 309 DLPlus mini trunking system

Desktop

P. 306 Pop-up boxes

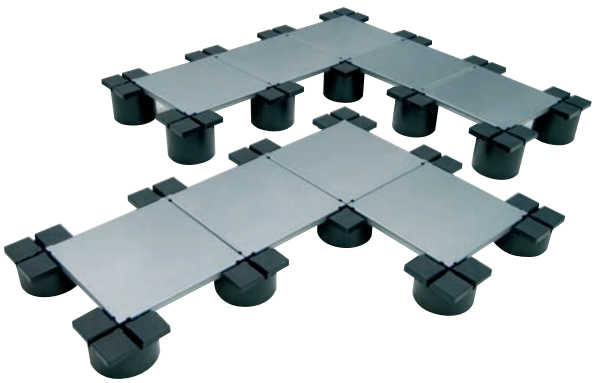
Arteor™ wiring accessories

P. 307 Arteor™ sockets

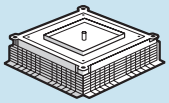
SOLUFLEX®

SOLUFLEX® Cable Management

Ask for your Soluflex brochure now!
Tel: 1300 369 777

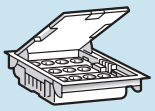


Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

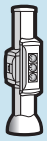


NEW

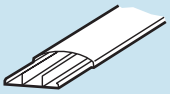
P. 302
Heavy duty in-screed floor box



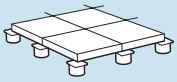
P. 304
Arteor floor boxes



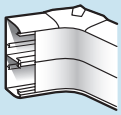
P. 308
Mini-columns



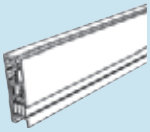
P. 308
Floor duct



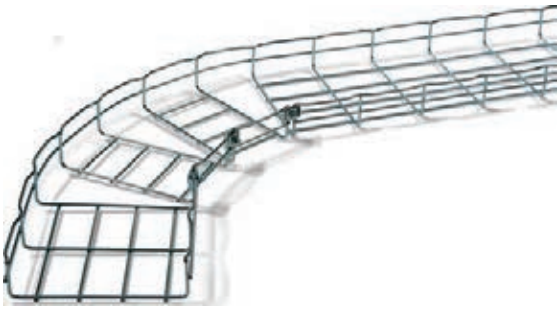
P. 318
SoluFlex floor systrem



P. 310
Fully assembled and adaptable DLP trunking system



P. 317
Mainline power track



CABLOFIL®
INNOVATORS IN CABLE MANAGEMENT

CABLOFIL® Cable Management

Ask for your catalogue now!
Tel. 1300 369 777

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Global solutions for office equipment

Unlimited solutions to manage power and data in office buildings

THEY HAVE SPECIFIED AND INSTALLED LEGRAND PRODUCTS:

Atos Origine: Eindhoven | Netherlands
BMW: Swansea | United Kingdom
Ensemble Westraven: Utrecht | Netherlands
Mega City Zone | Korea (south)
BSGV Offices | Russia
Espark Shopping Center | Turkey

Flexible solution for easy configuration of offices

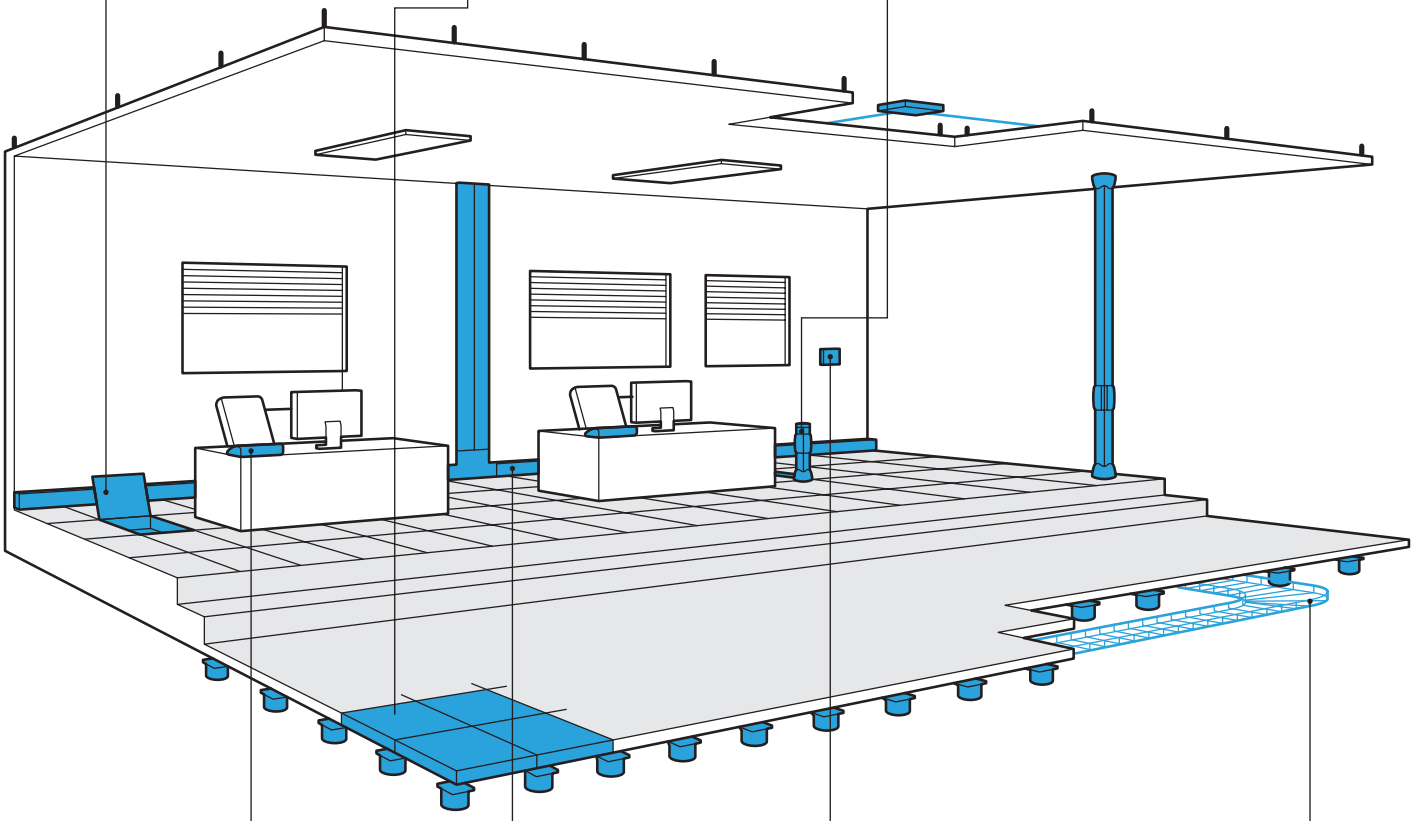
Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

FLOOR SYSTEM

FLOOR BOXES
(See p. 304)
The combination of Arteor™ wiring devices and Legrand floor boxes covers all requirements for layout and access

SOLUFLEX CABLE FLOOR SYSTEM
(See p. 318)
Flexibility and time-saving. For new buildings and refurbishments

MINI-COLUMNS AND FLOOR DUCTS
(See p. 308)
– Supply to workstations via floor
– Meet requirements for solid reconfiguration of offices



PROXIMITY

DESKTOP MULTI-OUTLET EXTENSIONS
(consult us)
Easily movable and flexible solutions to ensure the users have outlets where they need them

PERIMETER

TRUNKING SYSTEM (See p. 310)
A vast range of fully integrated products for cable management in the floor to cable management along the walls and in the ceiling

ARTEOR™ NEW

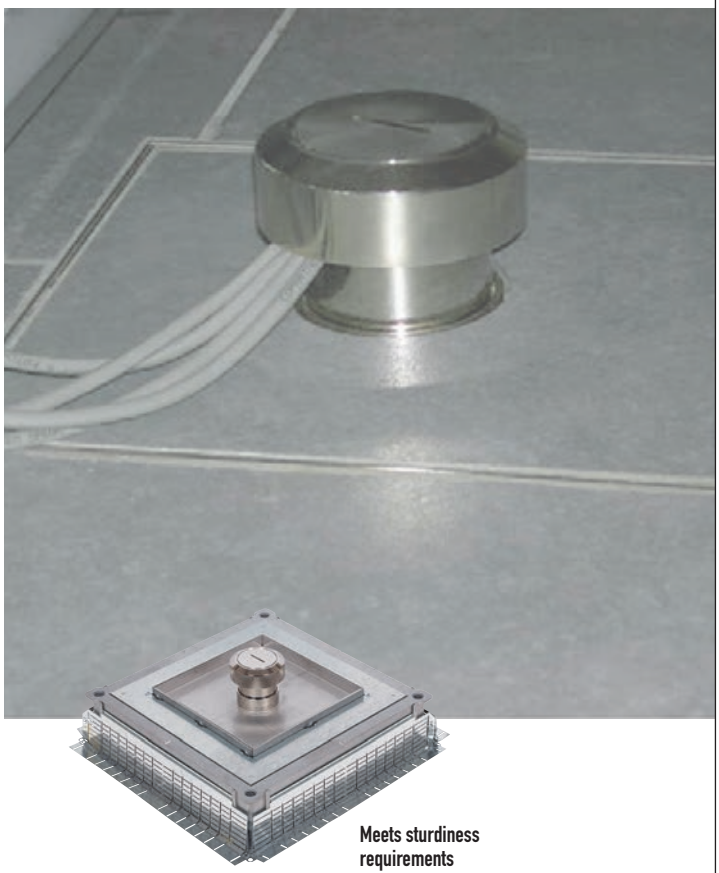
ARTEOR™ FUNCTIONS (See p. 307)
200 functions for low and high currents to meet all requirements in commercial buildings

CABLOFIL

CABLOFIL STEEL WIRE MESH TRAY
(Consult us)
Solutions to manage cables easily

NEW High resistance for high requirement

For highly frequented areas, requiring important mechanical resistance and/or washing down.



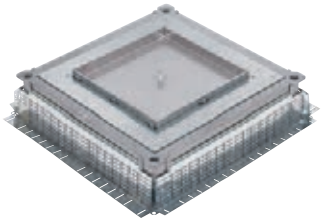
Meets sturdiness requirements

- **Perfect solution for shopping centres, car showrooms, exhibition halls, airports...**
- **Heavy load support:** 8 and 20 KN load resistance
- **3 types of cover:**
  - IP 66 plain cover for all types of floors
  - IP 66 for marble and tiled floors
  - IP 30 for wooden floors

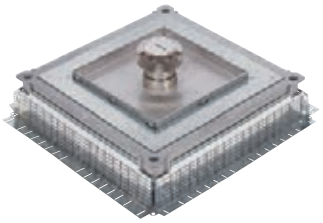
Heavy duty floor box

NEW

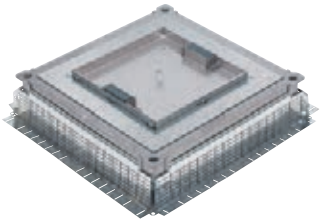
For concrete floors



896 34 + 896 83 + 896 85

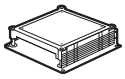
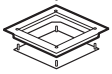


896 34 + 896 83 + 896 86+ 896 87



896 34 + 896 83 + 896 88

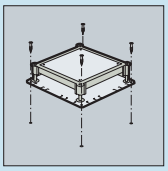
For highly frequented areas, requiring important mechanical resistance and/or washing down
Conform to standard EN 60-670 and EN 50 085-2-2

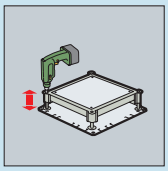
Pack	Cat.No.	Metal in-screed floor box	
		Junction or connection point for concrete floor according to type of cover associated For junction of LV and ELV cabling and/or installation of floor boxes Height adjustable from 105 mm to 140 mm using 4 inserts located in the box corners and a tool adapting 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	
1	896 34	Universal metal in-screed backbox	
		Accessories for metal in-screed floor box	
1	896 83	Normal load support Up to 8 KN load with deflection < 6 mm	
1	896 84	Heavy load support Up to 20 KN load with deflection < 3 mm	
6	896 39	Set of 2 conduit adaptors for metal cavity floor box Cat.No 896 34	
		Plates for metal in-screed floor boxes	
		For metal in-screed floor box Cat.No 896 34 Use support Cat.No 896 83 or 896 84	
		All types of floors IP 66 plain cover (cover closed) Access trap for junction, no cable exit	
1	896 85	IP 66 plain plate	
		Marbled and tiled floors IP 66 plate (cover closed and plugs not connected) with central cable exit	
1	896 86	IP 66 plate with central cable exit To receive 24 mosaic modules Supplied with all necessary wiring accessories supports	
		Accessory for plate with central cable exit	
1	896 87	IP 52 cable exit accessory for IP 66 cover plate Cat.No 896 86	
		Wooden floors	
1	896 88	IP 30 plate with 2 lateral cable exits To receive 24 mosaic modules Supplied with all necessary wiring accessories supports	

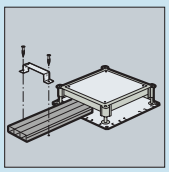
Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

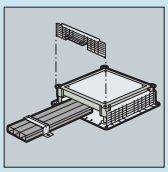
Metal in-sceed floor box

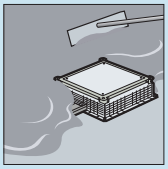
■ PVC floor duct and backboxes installation principle

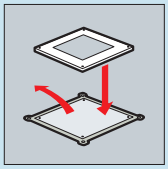

Underfloor box fixing

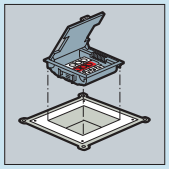

Height adjustment

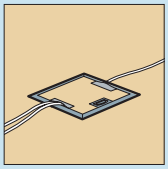

Placing the floor ducts


Placing the lateral sides

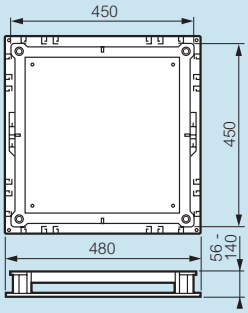

Pouring the concrete


Cover change


Placing the floor box



■ Dimensions cat. no. 896 34



Floor service outlet boxes and access units

Standard EN 50085-2-2 concerns systems for distributing currents in the floor (sunken or surface-mounted)
It ensures consistent performance along the entire distribution length up to the user connection point

■ Classification for distribution system by floor

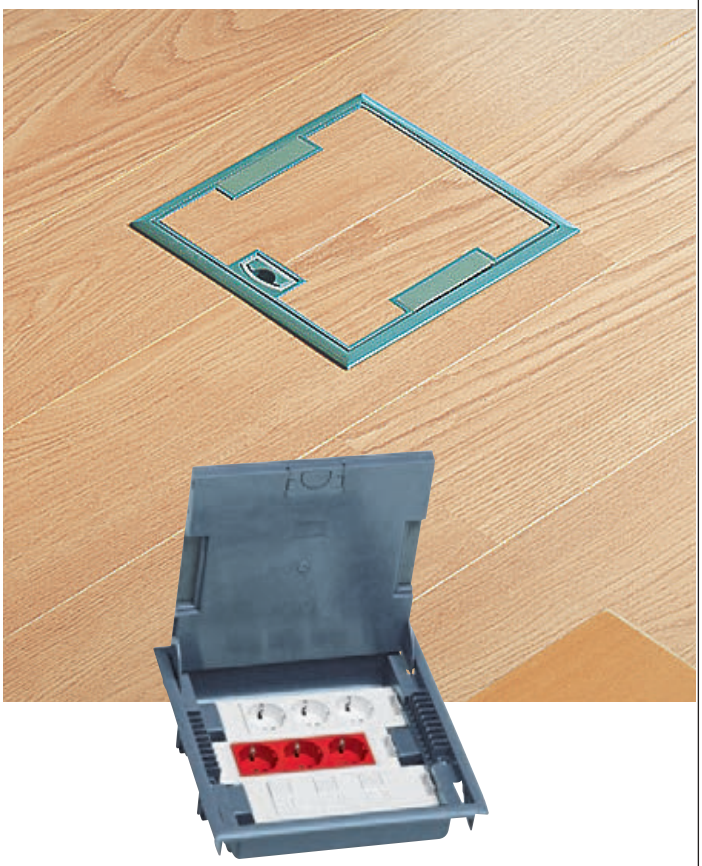
		Embedded in floor	On floor	Heavy duty floor system
6.2	Resistance to impact for installation and application	5 J	5 J	5 J
6.3	Minimum storage and transport temperature	- 25 °C	- 25 °C	- 25 °C
6.3	Minimum installation and application temperature	- 5 °C	- 5 °C	- 5 °C
6.3	Maximum application temperature	+ 60 °C	+ 60 °C	+ 60 °C
6.4	Resistance to flame propagation	Non propagating	Non propagating	Non propagating
6.5	Electrical continuity characteristics	Without continuity	Without continuity	Without continuity
6.6	Electrical insulating characteristics	Without electrical insulating characteristic	Without electrical insulating characteristic	Without electrical insulating characteristic
6.7	Degree of protection provided by enclosure	IP30	IP20	IP66[A] IP30[B]
6.9	System access cover retention	With a tool	With a tool	With a tool
6.101	Floor treatment	Dry floor treatment	Dry floor treatment	Wet floor treatment
6.102	Resistance to a vertical load applied over a small surface area	750 N	750 N	3000 N
6.103	Optional classification according to resistance to a vertical load applied over a large surface area	3000 N	3000 N	15000 N

■ Composition and function with distribution sytem on floor

Dim. trunking	**92 x 20 Cat.No 328 00**
Nbr of compartments	4
Accessories for over floor trunking	Distribution box Cat.No 328 01
	Flat angle Cat.No 328 02
	Cover joint Cat.No 328 03
	End cap Cat.No 328 07
Mini-column	White Cat.No 307 42
	Alu Cat.No 307 29
Column modules	see p. 308

Perfect integration!

Legrand provides equipment for your raised floors and concrete floor slabs. The floor boxes blend in with the decor and their ergonomic design is tailored to users' requirements.



- **2 ranges:**
  Adjustable height (75 to 105 mm) and reduced height (65 mm) for low service spaces
- **Reversible cover:**
  That can be covered (carpet, vinyl, parquet, etc.) and is easy to open (no tool required)
- **Floor boxes:**
  Available in custom-made solutions for all specific requirements, please consult us

Floor boxes
For raised or concrete floors

896 06 equipped with Arteor™ sockets

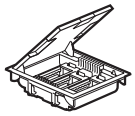
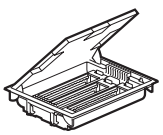
896 11 equipped with Arteor™ sockets

896 16 equipped with Arteor™ sockets

Grey floor box with cover for carpet

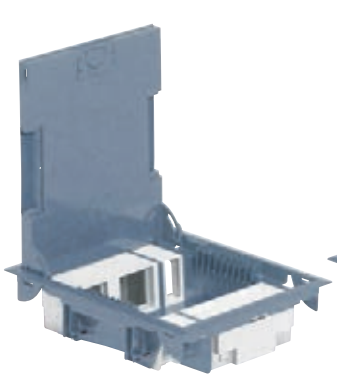
Conform to standard NF EN 60-670
IP30 IK07
Workstation connection for raised floor or concrete floor (using plastic underfloor box, see oppposite page)
Supplied with reversible cover for carpet
For technical space ≥ 75 mm
Mounting boxes (for horizontal wiring device positioning):
- height adjustable from 75 to 105 mm
- ensures perfect cable separation
- takes 2 flexible conduits Ø20 mm
- offset one from another for optimal connection for all sockets
- takes marking labels
- to be equipped with Arteor™ sockets (see p. 307)

Easy opening cover by rings and holding in open position during connection

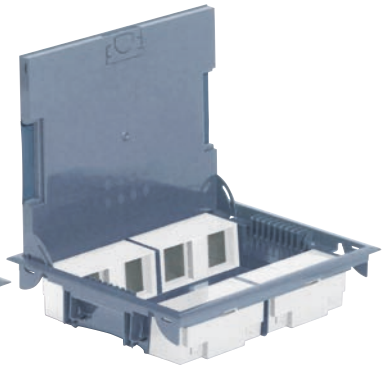
Pack	Cat.No.	**With adjustable height from 75 to 105 mm to be equipped** Floor boxes equipped with empty mounting boxes To be equipped with Arteor wiring accessories (p. 307)	
1	896 06	**12 modules** With cover for carpet Grey RAL 7031	
1	896 11	**18 modules** With cover for carpet Grey RAL 7031	
1	896 16	**24 modules** With cover for carpet Grey RAL 7031	

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Floor boxes and underfloor boxes
For raised or concrete floors



896 21

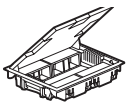


896 26

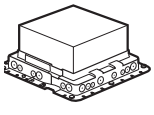
896 30

896 25

Pack	Cat.No.	Floor boxes with height reduced to 65 mm
		Conform to standard NF EN 60 670 IP30 - IK07 For technical space ≥ 65 mm For renovation with reduced height technical floor or for concrete floor Supplied with reversible cover Mounting boxes (for vertical wiring device positioning): - supplied with blanking plates requiring sufficient space between the sockets if angled plugs are used - to be equipped with Arteor™ sockets - takes marking labels - ensures perfect cable separation Easy opening cover by rings and holding in open position during connection
		10 modules For installing 4x2 modules Arteor and 2x1 module Arteor™
1	896 20	With stainless steel cover grey RAL 7031
1	896 21	With cover for carpet, grey RAL 7031
		16 modules For installing 8x2 modules Arteor™
1	896 25	With stainless steel cover, grey RAL 7031
1	896 26	With cover for carpet, grey RAL 7031



Pack	Cat.No.	Plastic underfloor boxes
		For integration of floor boxes in concrete floor installations Power supply by flexible conduits Ø16, 20 and 25mm Supplied with polystyrene for easy installation (see opposite)
1	896 30	For integration of floor boxes 12 modules, or floor boxes with reduced height 10 modules
1	896 31	For integration of floor boxes 18 modules
1	896 32	For integration of floor boxes 24 modules, or floor boxes with reduced height 16 modules

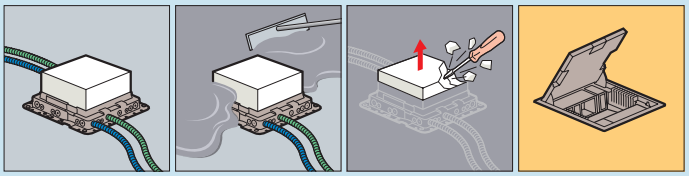


Arteor™ GPO's, A/V and Data Sockets (p. 307)

Floor boxes and underfloor boxes
For raised or concrete floors

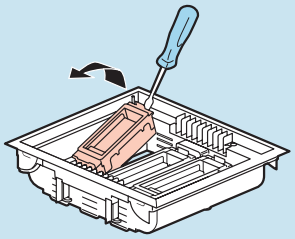
■ Installation principles

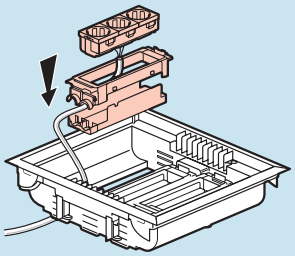
Installation

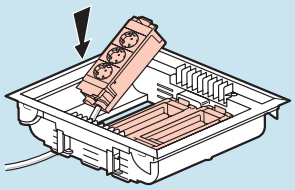


■ Positioning wiring accessories

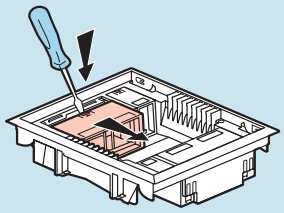
In floor boxes with adjustable height 75 to 105 mm

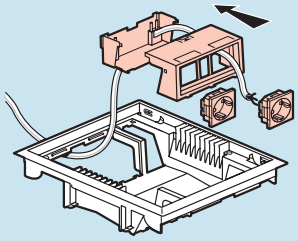


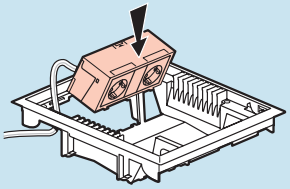




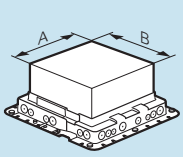
In floor boxes height 65 mm

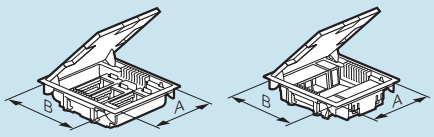


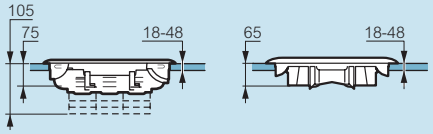


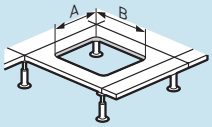


■ Choice of plastic underfloor box according to the floor box to be installed









Cat. No.	A (mm)	B (mm)
896 06/20/21	212	252
896 11	252	252
896 16/25/26	306	252

Pop-up type flush-mounting boxes
For workstation & meeting room table applications

0 540 13

0 540 18

0 540 23

0 540 28

0 540 33

0 540 06

0 540 00

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.No.	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
1	0 540 15	Brushed Brass
1	0 540 20	Brushed Stainless Steel
		6 (2 x 3) modules
1	0 540 12	Matt Aluminium
1	0 540 17	Brushed Brass
1	0 540 22	Brushed Stainless Steel
		4 modules
1	0 540 11	Matt Aluminium
1	0 540 16	Brushed Brass
1	0 540 21	Brushed Stainless Steel
1	0 540 26	Matt Black
1	0 540 31	Glossy White
		8 (2 x 4) modules
1	0 540 13	Matt Aluminium
1	0 540 18	Brushed Brass
1	0 540 23	Brushed Stainless Steel
1	0 540 28	Matt Black
1	0 540 33	Glossy White

Pack	Cat.No.	Installation kits for raised access floors or table top
		Includes 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 06	4 modules
1	0 540 07	6 (2 x 3) modules
1	0 540 08	8 (2 x 4) modules

		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 01	4 modules
1	0 540 02	6 (2 x 3) modules
1	0 540 03	8 (2 x 4) modules
		Plastic flush-mounting boxes
10	6 503 90	3 modules
10	6 503 91	6 modules

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Arteor™
Outlets, television and telephone sockets

5719 07

5723 00

5728 13

AR787AMWE

Pack	Cat. No.	Socket Outlet 240 V~
	White	
10	AR787AMWE	10A single autoswitched socket outlet 2 module, 22.5 x 45 mm
10	AR787/15AMWE	15A single autoswitched socket outlet 2 module, 22.5 x 45 mm
		Blank modules
10	5723 41	1 module 22.5 x 45 mm
10	5723 42	2 modules 22.5 x 45 mm

Pack	Cat. No.	Television sockets
	White	
10	5719 07	**TV sockets** 75 ohm "F" connector for cable and pay TV 0-2.4 GHz (Foxtel recognised) 1 module 22.5 x 45 mm
		TV sockets International series
10	5721 63	TV single shielded "F" type with screws 0-2400 MHz attenuation ≤ 2 db 1 module 22.5 x 45 mm
10	5721 71	TV single shielded male Ø 9.5 mm 0-2400 MHz 1 module 22.5 x 45 mm

Pack	Cat. No.	RJ 11 and RJ 12 sockets
		RJ 11
10	5723 00	4 contacts 1 module 22.5 x 45mm
10	5723 13	4 contacts 2 modules 22.5 x 45mm
		RJ 12
10	5723 12	6 contacts 2 modules 22.5 x 45mm

Arteor™
Audio and video sockets, Cat. 6/Cat. 5e data sockets and adaptors for data sockets

5722 72

5722 74

5722 82

5722 81

5723 15

5723 06

Pack	Cat. No.	Audio and video sockets
	White	
1	5722 73	**3 x female RCA** 1 module 22.5 x 45 mm
1	5722 74	**Female 3.5 mm jack** 1 module 22.5 x 45 mm
1	5722 71	**YUV** 1 module 22.5 x 45 m
1	5722 81	**HDMI** 2 modules 22.5 x 45 mm
1	5722 82	**Female HD 15*** 2 modules 22.5 x 45 mm
1	5722 75	**USB female sockets** 1 module 22.5 x 45 mm

* For VGA, XGA or VESA

Pack	Cat. No.	RJ 45 - tool-less system
	White	Rapid connection sockets, no tool required
		Cat. 6
10	5723 02	UTP - 8 contacts 1 module 22.5 x 45 mm
10	5723 14	UTP - 8 contacts 2 modules 22.5 x 45 mm Square version
		Cat. 5e
10	5723 03	UTP - 8 contacts 1 module 22.5 x 45 mm
10	5723 15	UTP - 8 contacts 2 modules 22.5 x 45 mm

Pack	Cat. No.	Adaptors for data sockets
	White	Equipped with transparent label-holder
		Keystone
10	5723 37	Adaptor for single connector 2 modules 22.5 x 45 mm
		Systimax
10	5723 38	Adaptor for single connector 2 modules 22.5 x 45 mm

More Arteor™ wiring devices see Arteor catalogue

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Mini columns to be equipped
For raised floor

Pack	Cat.No.	Mini-columns aluminium finish
1	Alu 307 29	Consisting of: - 4-compartment aluminium body - Fixing base with protective cap - 4 anodised aluminium covers - Finishing cap Height 68 cm

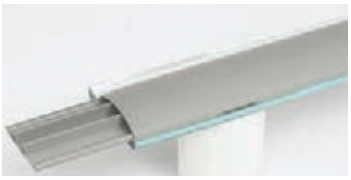
Pack	Cat.No.	Supports for Arteor sockets
1	Alu 307 78	To be equipped with Arteor sockets (p. 307) 4 modules - Length 215 mm
1	307 79	8 modules - Length 325 mm

Pack	Cat.No.	Mini-columns white finish
1	White 307 42	Consisting of: - 4-compartment aluminium body - Fixing base with protective cap - 4 white PVC covers - Finishing cap Height 68 cm

Pack	Cat.No.	Supports for Arteor sockets
1	White 310 65	To be equipped with Arteor sockets (p. 307) 4 modules - Length 215 mm
1	310 66	8 modules - Length 325 mm

Over floor trunking

300 92

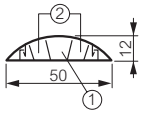

300 93

328 00

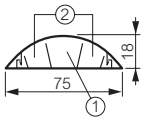
107 72 + 106 90 + 328 00

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

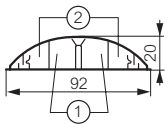
Pack	Cat.No.	Over floor trunking 50 x 12 mm
54	300 92	**Trunking RAL 7030** Length 2 m, supplied with cover 3 compartments Capacity 1: max. Ø 9 mm Capacity 2: max. Ø 6 mm



Pack	Cat.No.	Over floor trunking 75 x 18 mm
36	300 93	**Trunking RAL 7030** Length 2 m, supplied with cover 3 compartments Capacity 1: max. Ø 14 mm Capacity 2: max. Ø 11 mm



Pack	Cat.No.	Over floor trunking 92 x 20 mm
20	328 00	**Trunking RAL 7016** Length 2 m, supplied with cover 4 compartments Equipped with 2 adhesive strips for better floor fixing Capacity 1: max. Ø 14.5 mm Capacity 2: max. Ø 9.5 mm



Accessories

Pack	Cat.No.	
10	328 07	End cap
10	328 03	Cover joint
5	328 02	Flat angle
1	328 05	Connection for mini-trunking installed as 60 x 20 or 75 x 20 skirting trunking
5	328 01	Distribution box For spurs in 4 directions with separation of currents

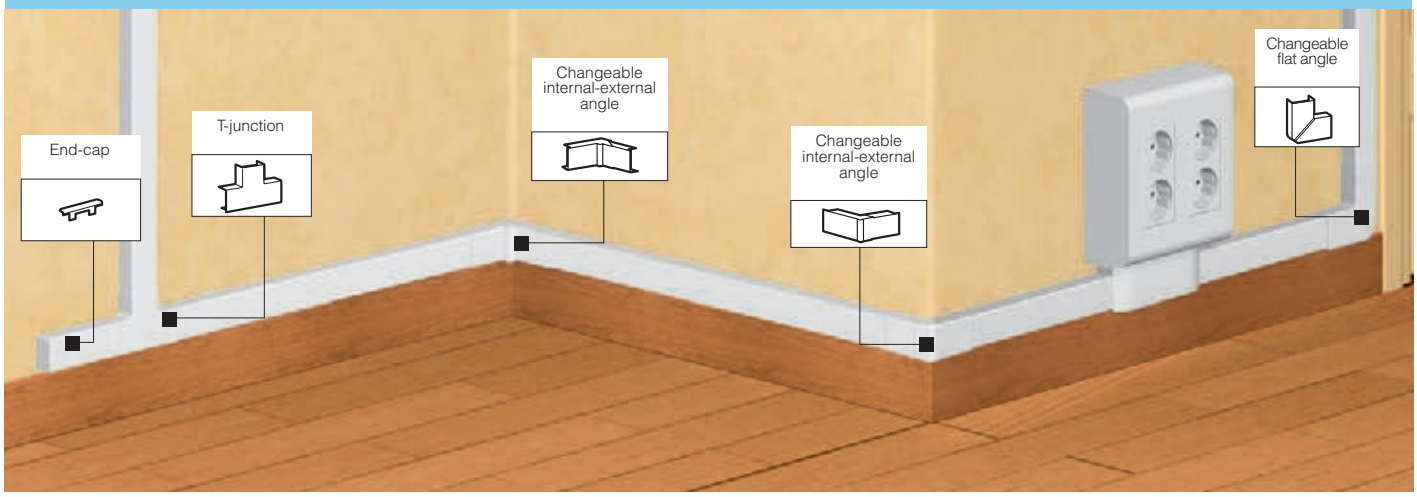
Junction for trunkings

To be used with Cat.No 328 00

Pack	Cat.No.	
5	107 71 + 106 90	For cover 65 mm
5	107 72 + 106 90	For cover 85 mm

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

DLPlus mini trunking
Profiles and finishing accessories



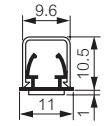
Mini trunking
3m length
Supplied with cover
White RAL 9003
New Cablegrip feature

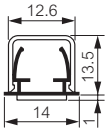
Pack	Cat No.	16 x 16 mm cross section
32	6491 01	Mini-trunking - With protective cover and cablegrip
10	301 91	Internal/external bend
10	301 93	Flat elbow
10	301 94	T-Junction
10	312 05	End cap
10	303 88	83.5mm centre mounting block
10	303 79	2 modules Arteor frame
1	788 03 + 802 59	Horizontal cover plate for 3 modules
		25 x 16 mm cross section
20	6491 03	Mini-trunking - With protective cover and cablegrip
10	302 41	Internal/external bend
10	302 43	Flat elbow
10	302 44	T-Junction
10	312 06	End cap
10	303 88	83.5mm centre mounting block
10	303 79	2 modules Arteor™ frame
10	788 03 + 802 59	Horizontal cover plate for 3 modules
		25 x 25mm cross-section
18	649104	Mini-trunking - With protective cover and cablegrip
		40 x 25 mm cross section
12	6491 07	Mini-trunking - With protective cover and cablegrip
10	302 86	Internal/external bend
10	302 88	Flat elbow
10	302 28	T-Junction
10	312 14	End cap
10	303 88	83.5mm centre mounting block

300 98

300 99

Pack	Cat.No.	Cable guide with adhesive
132	300 98	This cable guide is used to rapidly attach a cable to a wall without damage 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 For cable Ø3 to 6 mm
90	300 99	For cable Ø7 and 9 mm





Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Adaptable DLP trunking

Bodies, finishing accessories and mounting wiring accessories

White length: 2 m

TRUNKING			BODIES, COVERS, PARTITIONS AND ACCESSORIES						
Number of compartments	Cover(s) width (mm)	Dimensions (mm)	Bodies	Covers	Division partitions	Separation partitions	Body joints	Cover joints	End cap
1	65	35 x 80	104 11	105 21	-	105 84	106 92 or 106 91	108 01	107 22
	65	50 x 80	104 12	105 21	-	105 82	106 92 or 106 91	108 01	107 22
	85	50 x 105	104 22	105 22	-	105 82	106 92 or 106 91	108 02	107 02
2	65 65	50 x 150	104 42	105 21(x2)	supplied with body	-	106 92 or 106 91	108 01(x2)	107 03
	65 65	65 x 150	104 33	105 21(x2)	104 73	-	106 92 or 106 91	108 01(x2)	107 06
DADO TRUNKING									
		20 x 120	300 89	supplied with body	supplied with body	308 67	-	336 68	337 74

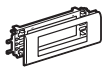
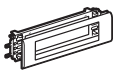
(1) Internal and external angles include partition junction(s) for installation with multi-compartment trunking
(2) Flat junctions Cat. No. 107 37 and 107 40 are suitable for tap-off to a 105 mm wide profile equipped with a 65 mm cover and flat junctions Cat.No 107 36 and 107 38 are suitable for tap-off to a 105 mm wide profile equipped with a 85 mm cover

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

	BENDS			FLAT JUNCTION[2]	
	Internal bend[1] 85 to 95°	External bend[1] 60 to 120°	Flat angle	To width 80 mm	To width 105 mm
	106 01	106 21	107 67	107 35	-
	106 02	106 22	107 67	107 35	-
	106 02	106 22	107 85	107 35	107 36
	106 06	106 35	107 89	107 35	107 36
	106 07	106 36	107 90	107 33	107 38
	336 65	336 66	336 67	336 64	-

Fully assembled DLP trunking

Mounting of wiring accessories

		Cover width		
		65 mm	85 mm	DLP Dado
		Cat. No.	Cat. No.	Cat. No.
ARTEOR SUPPORTS[1]				
2 modules		109 52	109 92	316 64[1]
4 modules		109 54	109 94	305 58[1] 317 54[2]
6 modules		109 56	109 96	305 61[1] 317 55[2]
8 modules		109 58	109 98	

(1) Fitted on trunking
(2) Fitted beside trunking

UNIVERSAL SUPPORTS

		Cover width		
		65 mm	85 mm	DLP Dado
83.5mm		109 46	109 16	316 67[1] 648 161[2]

(1) Fitted on trunking
(2) Fitted outside trunking

BACK BOX

		Cover width	
		65 mm	85 mm
To mount on 83.5mm universal support		109 37	109 17
To mount on Arteor supports 2 modules		109 27	109 27

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Adaptable DLP trunking 35 x 80 and 50 x 80

Trunking and fittings

White
length: 2 m

Cat. No. for 50 x 80 trunking

Pack	Cat.No.	Trunking
		Suitable for a wide range of requirements and applications: – Distribution: large wiring capacity and wide access to the wiring space – Installation: can be used with ranges: Mosaic and Arteor
	● white	**Bodies** Supplied without cover Length 2 m
20	104 11[1]	35 x 80 mm
20	104 12[1]	50 x 80 mm
		Flexible cover
20	105 21[1]	Fits onto the whole trunking including in internal or external angles Full cover width 65 mm Length 2 m
		Partitions Length 2 m
16	105 84	Self adhesive separation junction for 35 x 80 mm trunking
24	105 82	Separation partition for 50 x 80 mm trunking
		Joints
20	106 91	Body joint, for aligning bases during installation
20	106 92	Body joint, attached with adhesive (fit at the end of installation)
10	108 01	Cover joint

Pack	Cat. No.	Angles and end cap
		Internal and external bends Include the 2 components for the top and bottom of the trunking on which the flexible cover is fitted
10	106 01	Changeable internal bend, from 85° to 95° for 35 x 80 mm trunking
10	106 02	Changeable internal bend, from 85° to 95° for 50 x 80 mm trunking
10	106 21	Changeable external bend, from 60° to 120° for 35 x 80 mm trunking
10	106 22	Changeable external bend, from 60° to 120° for 50 x 80 mm trunking
		Flat angle
10	107 67	90° flat angle
		End cap
10	107 22	Left or right end cap
		Junctions
		Flat junction
5	107 35	For tap-off to a 80 mm wide branch

(1) Number of metres in pack

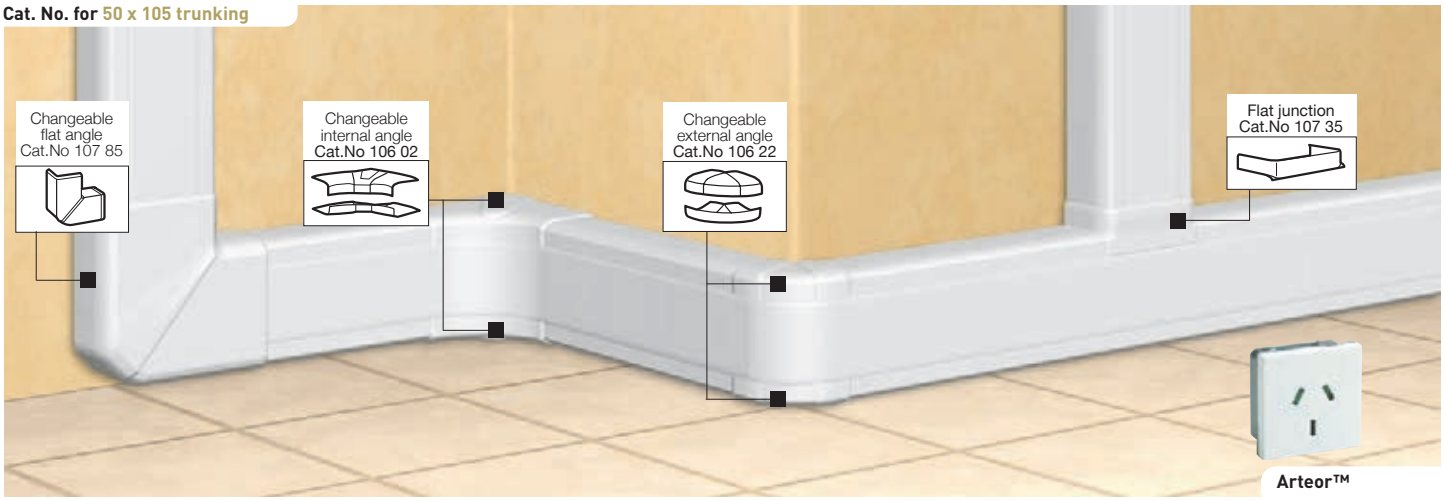
Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Adaptable DLP trunking 50 x 105

Trunking and fittings

White
Length: 2 m

Cat. No. for 50 x 105 trunking



Pack	Cat.No.	Trunking
		Suitable for a wide range of requirements and applications: – Distribution: large wiring capacity and wide access to the wiring space – Installation: can be used with ranges: Mosaic and Arteor
	white	**Bodies** Supplied without cover Length 2 m
20	104 22(1)	50 x 105 mm
		Flexible cover
24	105 22(1)	Fits onto the whole trunking including in internal or external angles Full cover width 85 mm Length 2 m
		Partition
24	105 82	Separation partition for 50 mm deep trunking Length 2 m
		Joints
20	106 91	Body joint, for aligning bases during installation
20	106 92	Body joint, attached with adhesive (fit at the end of installation)
10	108 02	Cover joint

Pack	Cat.No.	Junctions
		Flat junctions
5	107 35	For 50 x 105 mm trunkings To tap-off to a 80 mm wide trunking
5	107 36	For 50 x 105 mm trunkings To tap-off to a 105 mm wide trunking equipped with a 85 mm cover

Pack	Cat.No.	Angles and end cap
		Internal and external bends Includes the 2 components for the top and bottom of the trunking on which the flexible cover is fitted
10	106 02	Changeable internal bend, from 85° to 95° for 50 x 105 mm trunking
10	106 22	Changeable external bend, from 60° to 120° for 50 x 105 mm trunking
		Flat angle
10	107 85	90° flat angle for 50 x 105 mm trunking
		End cap
20	107 02	For 50 x 105 mm trunking

(1) Number of metres in pack

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Adaptable DLP trunking 50 x 150
Trunking and fittings

Cat. No. for 50 x 150 trunking

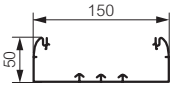
Pack	Cat.No.
10	104 42[1]
20	105 21[1]
8	105 24[1]
20	106 91
20	106 92
10	108 01

Trunking

Suitable for a wide range of requirements and applications:
– Distribution: large wiring capacity and wide access to the wiring space
– Installation: can be used with ranges: Mosaic and Arteor

Body

50 x 150 mm
Supplied without cover
Length 2 m



Flexible covers

Fits on to the whole trunking including in internal or external angles
Length 2 m

Partial cover width 65 mm (2 covers required)
Full cover width 130 mm

Joints

Body joint, for aligning bases during installation

Body joint, attached with adhesive (fit at the end of installation)

Cover joint (2 cover joints required if used with covers 65 mm)

Pack	Cat.No.
5	106 06
	106 35
5	107 89
10	107 03

Angles and end cap

Internal and external bends

Includes the 2 components for the top and bottom of the trunking and 1 partition junction to ensure continuity of partitions and to hold the cover in place for the 2 compartments trunking only

Changeable internal bend, from 85° to 95°

Changeable external bend, from 60° to 120°, for 50 x 150 mm trunking

90° flat angle

Left or right end cap

Pack	Cat.No.
5	107 35
5	107 36

Junctions

Flat junctions

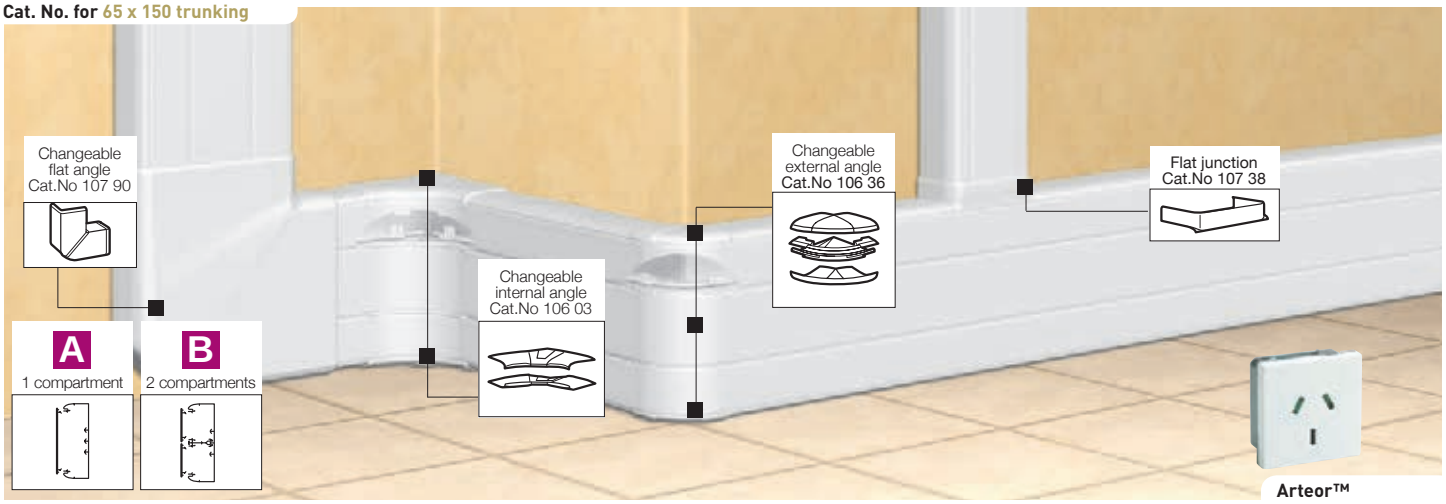
For tap-off to a 80 mm wide trunking

For tap-off to a 105 mm wide trunking equipped with a 85 mm cover

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Adaptable DLP trunking 65 x 150
Trunking and fittings

Cat. No. for 65 x 150 trunking

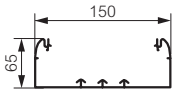


Pack	Cat.No. 1 comp. Cover 130 A	Cat.No. 2 comp. Cover 65 B
Trunking		
8	104 33(1)	
Body		
20	105 24(1)	105 21
8		
Partitions		
48	104 73	
Joints		
20	106 91	
20	106 92	
10	108 04	108 01
Angles and end cap		
Internal and external bends		
10	106 03	
5		106 07

Trunking

Suitable for a wide range of requirements and applications:
– Distribution: large wiring capacity and wide access to the wiring space
– Installation: can be used with ranges: Mosaic and Arteor

Body



65 x 150 mm
Supplied without cover
Length 2 m

Flexible covers

Fits on to the whole trunking including internal or external angles
Length 2 m

Partial cover width 65 mm
Full cover width 130 mm

Partitions

Length 2 m

Division partition, for fitting partial covers

Joints

Body joint, for aligning bases during installation

Body joint, attached with adhesive (fit at the end of installation)

Cover joint

Angles and end cap

Internal and external bends

Includes the 2 components for the top and bottom of the trunking and 1 partition junction to ensure continuity of partitions and to hold the cover in place for the 2 compartments trunking only

Changeable internal bend, from 85° to 95° for 65 x 150 mm trunking

Changeable internal bend, from 85° to 95° for 65 x 150 mm trunking

Pack	Cat.No. 1 comp. Cover 130 A	Cat.No. 2 comp. Cover 65 B
Angles and end cap (continued)		
5	106 23	
5		106 36
5	107 90	
10	107 06	
Junctions		
Flat junctions		
5	107 33	
5	107 38	

Angles and end cap (continued)

Changeable external bend, from 60° to 120° for 65 x 150 mm trunkings

Changeable external bend, from 60° to 120° for 65 x 150 mm trunkings

90° flat angle

Left or right end cap

Junctions

Flat junctions

To tap-off to a 80 mm wide branch

To tap-off to a 105 mm wide branch equipped with a 50 mm deep trunking

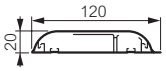
Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

DLP Dado skirting 20 x 120

DLP Dado Skirting

Length 2 m, 20 x 120 mm

2 compartments for the distribution of mains and extra low voltage possible to add 2 compartments with partitions Cat. No. 308 67
Trunking is supplied with fixing plate allowing current separation

Pack	Cat.No.	Skirting trunking
15	300 89	Trunking body Length 2 m 
		Partition
44	308 67	Clip on separation partition 2m 1, 2, 3 or 4 compartments
		Finishing accessories
10	336 64	End cap Junction up to 60 x 16 mm Can be used as cable outlet for heating or air-conditioning
5	336 65	Changeable internal angle
5	336 66	Changeable external angle
5	336 67	Flat junction or flat angle
10	336 68	Cover joint
10	337 74	End cap
120	302 55	Staple joint

Pack	Cat.No.	Frames for wiring accessories
		For Mosaic or Arteor wiring accessories Fitted on the trunking
5	316 64	2 modules
10	305 58	4 modules
5	305 61	6 modules
		For 83.5 mm fixing centres wiring accessories
5	316 67	3 modules
		For Arteor wiring accessories fitted alongside the trunking
2	317 54	4 modules
2	317 55	6 modules
		For 83.5 mm fixing centres wiring accessories
1	6481 61	Surface mounting block

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Mainline Power track

Single phase wall mounted PVC power track system

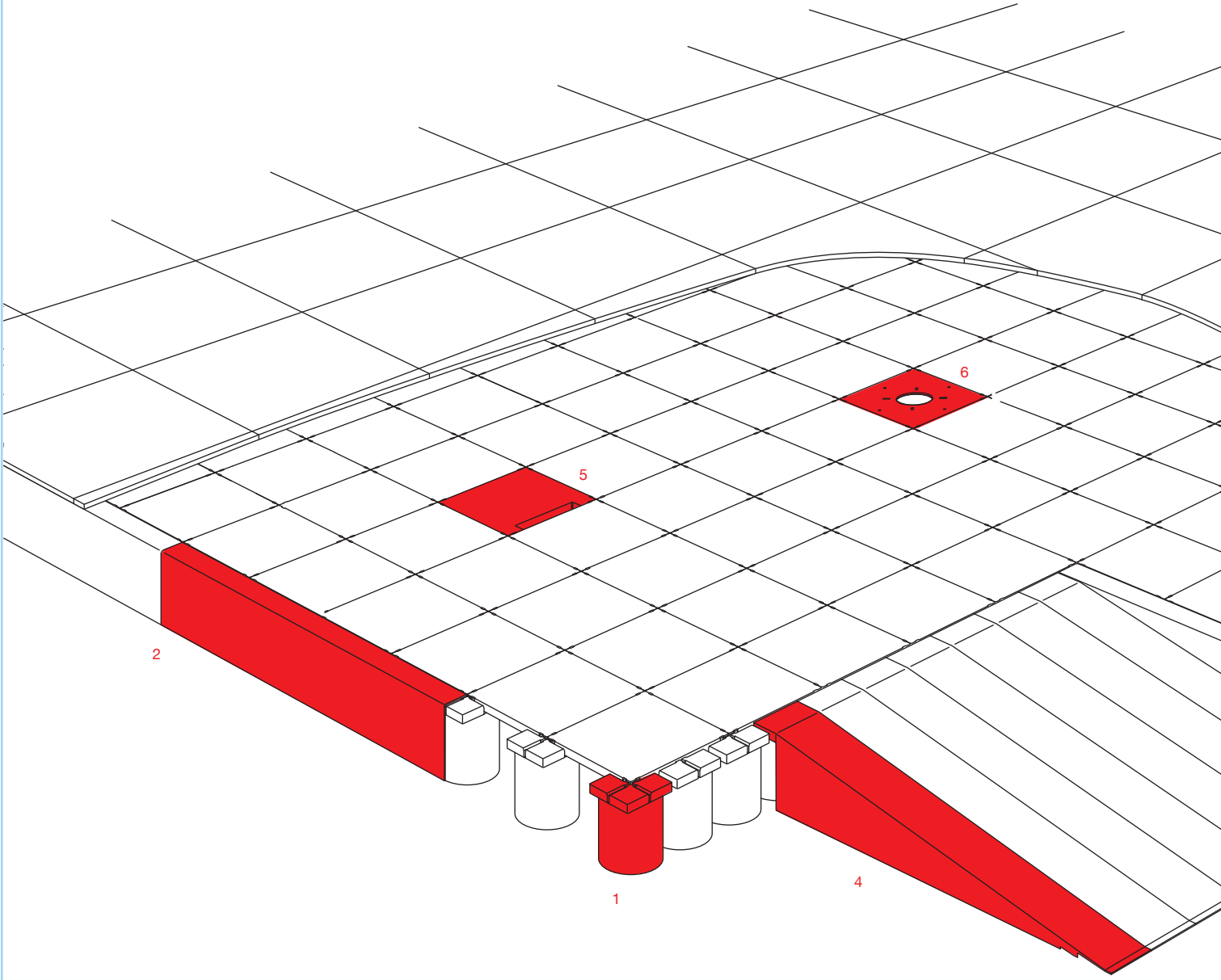
NEW

Pack	Cat.No.		Mainline
	White	Black	**Power track**
1	ML20W	ML20B	Track 2 m
			Socket outlet
10	MLA1W	MLA1B	Socket outlet 10A
			Accessories
10	MLITLW	MLITLB	Terminal Block - Left
10	MLITRW	MLITRB	Terminal Block - Right
10	MLTLW	MLTLB	Terminal - Left
10	MLTRW	MLTRB	Terminal - Right
10	MLTSW	MLTSB	Set of Terminals (Left & Right)
10	MLENDW	MLENDB	End cap
10	MLQCSJW	MLQCSJB	Joiner
10	MLICJW	MLICJB	Internal Corner
10	MLECJW	MLECJB	External Corner

For aluminium trunking for Mainline - please consult us

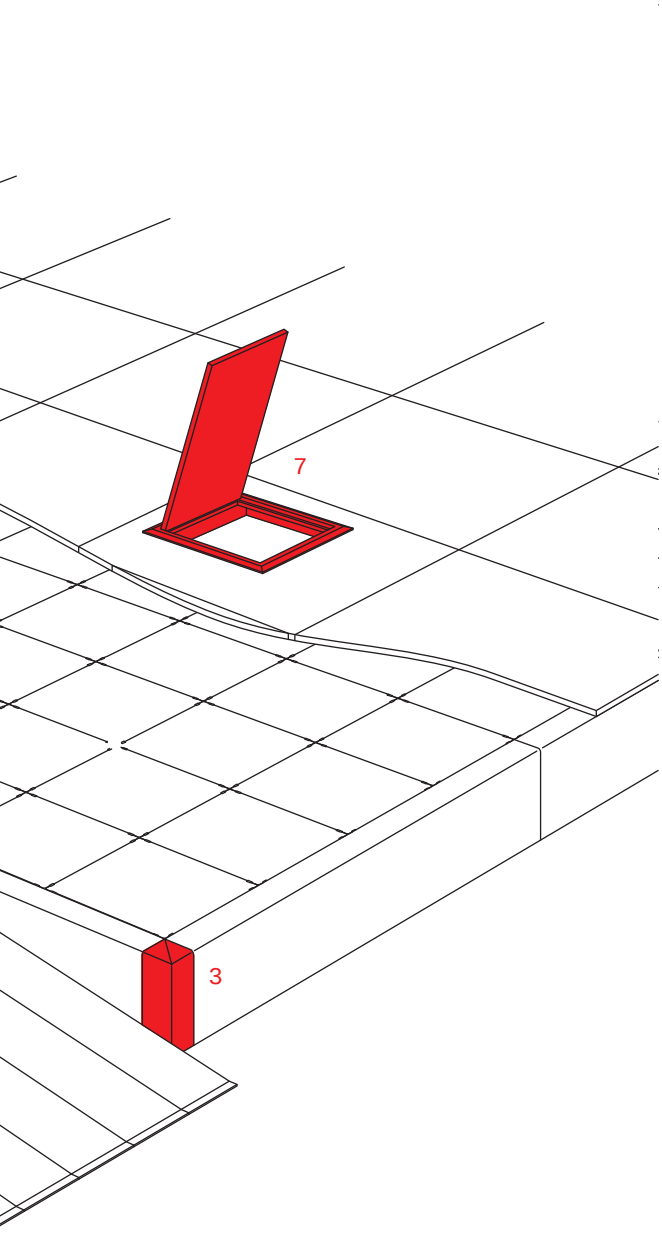
Soluflex® cable floor system selection chart

Height (mm)	Tile	Support	Double edge plate	Single edge plate	Step	Step corner	Ramp	Earthing tile
		(1)			(2)	(3)	(4)	
37	84000 10	84037 00	84000 60	84000 61	84037 22	84037 30	84037 40	84000 20
60	84000 10	84060 00	84000 60	84000 61	84060 22	84060 30	84060 40	84000 20
90	84000 10	84090 00	84000 60	84000 61	84090 22	84090 30	84090 40	84000 20
120	84000 10	84120 00	84000 60	84000 61	84120 22	84120 30	84120 40	84000 20



Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Cable outlet tile (5)	Accessory outlet tile (6)	Fixing bracket	Fully - Submerged Arteor™ unit	Floor box tile* For boxes 89606, 89620, 89621 (7)	Floor box tile** For boxes 89625, 89626 (7)	Cable snake – black(2)	Mini - column
84000 30	84000 40	84000 50	–	–	–	81906 41	30729
84000 30	84000 40	84000 50	84060 72	–	–	81906 41	30729
84000 30	84000 40	84000 50	–	84090 85	8090 87	81906 41	30729
84000 30	84000 40	84000 50	–	84090 85	8090 87	81906 41	30729

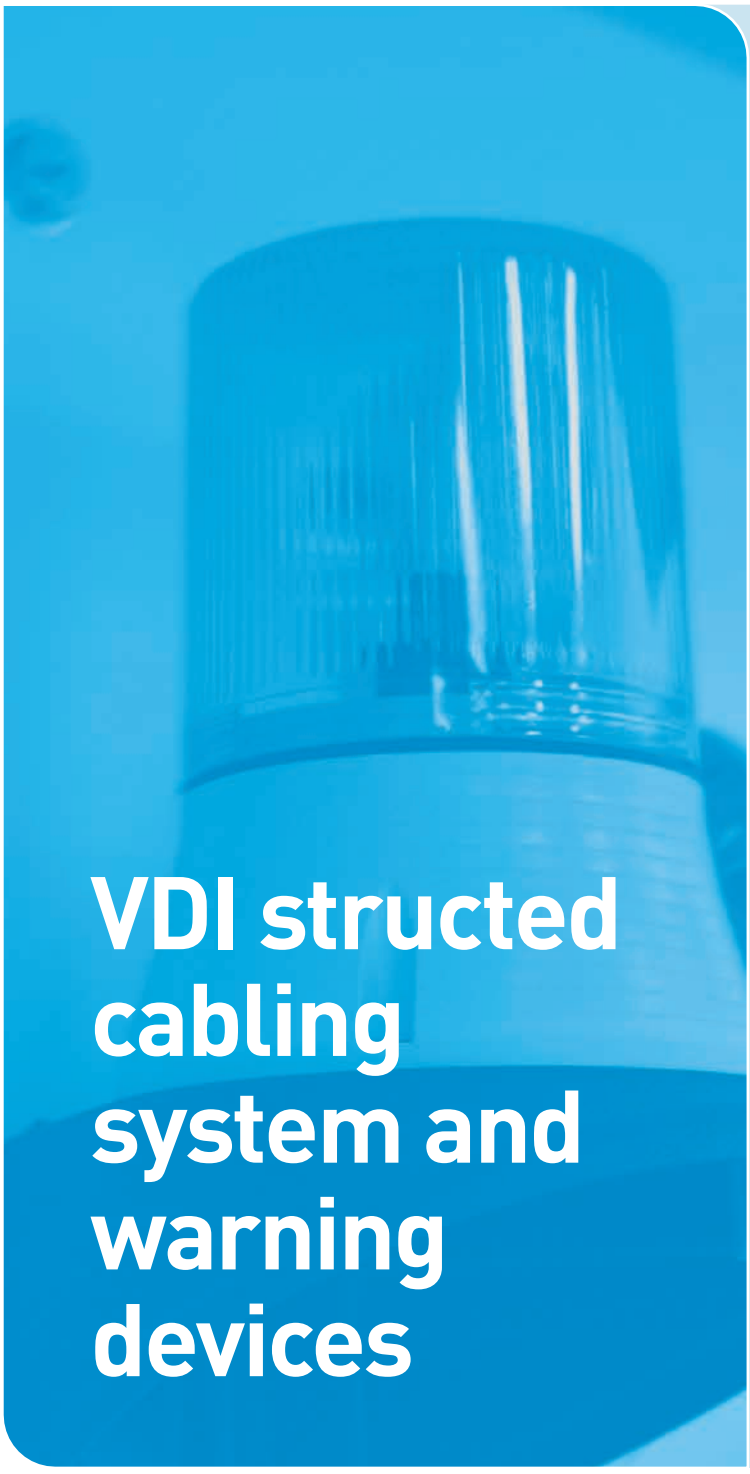


Cable snake

The cable snake creates neat, tidy work spaces by concealing cables between the floor and the desk.
For more information, contact us on 1300 369 777

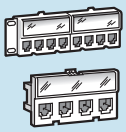
Mini column

2 finishes available, aluminium or white.
To be equipped with supports for Arteor ™ sockets (p. 307)
For more information contact us on 1300 369 777



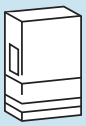
VDI structed cabling system and warning devices

VDI structured cabling system

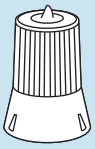


P. 322 LCS patch panels and units

Bells, sirens, buzzers and warning lights



P. 324 Electro-mechanical sirens



P. 325 Flashing and rotating lights

Industrial bells (P. 324)

Flashing and rotating lights (P. 325)

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

P. 322
Cords
and cables

P. 324
Industrial bells

P. 324
Heavy duty
buzzers

P. 325
Blinking lights

LCS² Legrand cabling system
Patch panels and blocks of connectors
Category 5e

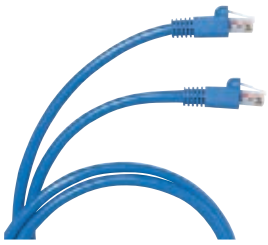
335 51

335 54

Pack	Cat.No.	
		Patch panels cat. 5e **24 x RJ 45 connectors** Panels supplied with quick-fixing All enclosures or cabinets general assembly 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 intergrated 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 - 1U
1	335 51	UTP panel - 8 contacts
		Modular panels Panels supplied with fast assembly All enclosures or cabinets general 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	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 intergrated crimping, with colour code and wiring schemes T 568 A and T 568 B Supplied with colour labels Conforms to standards ISO/EIA 568
2	335 54	UTP unit
10	335 91	Blanking plate for 19" panel - Black

LCS Legrand cabling system
Patch cords and user cords
Category 5e and 6

516 39



517 75

RJ 45 - RJ 45 straight
Conform to standards ISO 11801 ed. 2.0, EN 50173-1 et EIA/TIA 568

Pack	Cat.No.	
		Patch cords and user cords RJ 45 Cat. 5e Grey RAL 7035 Special lengths of cords on request U/UTP (previously UTP) unscreened, impedance 100 Ω PVC
5	516 36	Length 1 m
5	516 37	Length 2 m
5	516 38	Length 3 m
5	516 39	Length 5 m
5	516 90	Length 30 cm
5	517 45	Length 60 cm
		Patch cords and user cords RJ 45 Cat. 6 RJ 45 - RJ 45 right U/UTP (previously UTP) unscreened, impedance 100 Ω PVC
5	517 72	Length 1 m
5	517 73	Length 2 m
5	517 74	Length 3 m
5	517 75	Length 5 m

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

LCS² Legrand cabling system

Patch panels and blocks of connectors
Category 6

335 61

335 64

Pack	Cat.No.	
		Patch panels cat. 6 **24 x RJ 45 quick-fixing connectors** Panels supplied with quick-fixing All enclosures or cabinets general assembly 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 intergrated crimping, with colour code and wiring schemes T 568 A and T 568 B Supplied with colour numbered labels Conform to standards ISO/IEC 11801 Ed 2.0, amendment 2, EN 50173-2 and TIA/EIA 568C 19» panel - 1U
1	335 61	UTP panel - 8 contacts
		Modular panels Panels supplied with quick-fixing All enclosures or cabinets general assembly Panels ensure automatic grounding of each connector Fitted with rear cable guide to hold cables during maintenance Empty panels for up to 4 units Takes the following equipment -units of 6 LCS² RJ 45 connectors -units for telephone inlets -blanking plates
1	335 90	19” panel - 1 U
		Units of 6 x RJ 45 connectors cat. 6 Fitted with 6 x LCS² RJ 45 connectors cat. 6 with fast connection thanks to intergrated crimping, with colour code and wiring schemes T 568 A and T 568 B Supplied with colour labels Conforms to standards ISO/EIC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568
2	335 64	UTP unit - 8 contacts
10	335 91	Blanking plate for 19” panel - Black

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Electromechanical sirens

415 39

415 45

Pack	Cat No.	IP 30-IK05 – continuous tone

Electromechanical
Supplied with screws for semi-flush mounting

D.C. current

Pack	Cat No.	Voltage =	Power (W)	Cons. (mA)	Average acoustic output at 1m (dB)	Weight (kg)	continuous Max. rating (hr)
1	415 32	12 V	11	889	98	0.2	200
1	415 33	24 V	12	516	100	0.2	200

A.C. current – 50/60 Hz

1	415 36	24 V	12.5	531	100	0.2	200
1	415 39	230 V	57	250	105	0.35	100

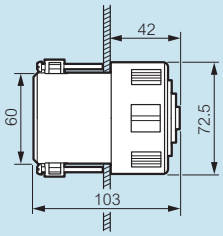
Multi-tone electronic sirens

IP 44 - IK07
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

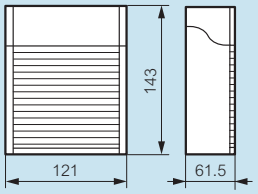
Pack	Cat No.	
1	415 45	230 V~

■ Dimensions

Electromechanical sirens
Cat. No. 415 32/33/36/38/39



Multi-sound electronic sirens
Cat.No 415 45



■ Selection chart of sounds (Cat.No 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

Industrial bells and heavy duty buzzers

414 62

413 49

414 19

415 23

415 25

Pack	Cat No.	Class I

Double insulated

Polyester corrosion resistant finish
200 hours maxi. continuous rating

DC version
IP 44-IK10
Ø 150 mm gong - RAL 3000 - Red

Pack	Cat No.	Voltage =	Average Cons. (mA)	Average acoustic output at 1 m (dB)	Weight (kg)
1	414 62	24 V	70	90	1

AC versions – 50/60 Hz
IP 40-IK08
Ø 100 mm gong - RAL 7037 - Grey

Pack	Cat No.	Voltage ~	Average Cons. (mA)	Average acoustic output at 1 m (dB)	Weight (kg)
1	413 49	230 V	50	95	0.8

IP 44-IK10
Ø 150 mm gong

1	414 16	24V	360	98	1
1	414 18	110/130V	90	98	1
1	414 19	230 V	50	98	1

Ø 250 mm gong

1	414 39	230 V	70	98	2.1

Industrial warning buzzer 110 dB

IP 20

Frequency 350/400 Hz, continuous sound
Operates intermittently : 1 min on / 10 min off

Pack	Cat No.		Consumption in mA
1	415 23	230 V AC power supply:	120
1	415 20	24 V AC power supply:	820

Piezo buzzer 75 dB with flashing LED
IP30

Flush mounting in dia. Ø16, 22, 33mm
Frequency 3600 Hz, intermetent sound

Pack	Cat No.		Consumption in mA
1	415 25	24 V AC/DC	5
1	415 26	230 V AC	4

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Illuminated signalling

413 57

413 08

413 36

413 37

413 38

413 85

413 70

Rotating lights

Halogen bulb 20 W
Screw-fixing

Light intensity : 1 500 Cd (p)
IP 65 - IK10
Dim. : height 185 mm, Ø 140 mm
Supplied with halogen bulb 20W

Pack	Cat No.		Consumption in mA
1	413 08	230 V AC, orange	300
1	413 12	230 V AC, red	300

Multi-voltage steady or blinking light

IP 65 - IK10
Incandescent bulb 25 W BA15D
Light intensity : 55 Cd (p)
Screw-fixing
Dim. : height 185 mm, Ø 140 mm
Supplied without bulb

Pack	Cat No.		Consumption in mA
1	413 26	24 to 230 V AC, orange	1000/100 (24 V~ – 230 V~)
1	413 27	24 to 230 V AC, red	1000/100 (24 V~ – 230 V~)

Flashing light

Xenon bulb 2 joules 1 Flash
IP 65 - IK10
Light intensity : 1 050 Cd (p)
Screw-fixing
Dim. : height 185 mm, Ø 140 mm
Supplied with bulb 2 joules 1 flash

Pack	Cat No.		Consumption in mA
1	413 50	12/24 V AC/DC, orange	580/24 V~
1	413 52	12/24 V AC/DC, red	580/24 V~
1	413 56	230 V AC, orange	72
1	413 57	230 V AC, red	72

Multi-voltage steady or blinking lights – IP 54 - IK10

Incandescent bulb 10 W-BA15D

Light intensity : 55 Cd (p)
Screw-fixing
Dim. : height 85 mm, Ø 105 mm
Supplied without bulb *(1)*

Pack	Cat No.		Consumption in mA
1	413 36	Orange 24 to 230 V AC	50/230 V AC
1	413 37	Red 24 to 230 V AC	50/230 V AC
1	413 38	Green 24 to 230 V AC	50/230 V AC

(1) for bulbs use 41364/65

Flashing and audible lights – IP30 - IK10

Incandescent bulb 10 W-BA15D
Light intensity : 30 Cd (p)
Intermetent sound:2 700 Hz, 70 dB at 1m
Screw-fixing
Dim. : height 85 mm, Ø 105 mm
Supplied without bulb

Pack	Cat No.		Consumption (mA)
1	413 43	Orange	50/230V AC
1	413 44	Red	50/230V AC

Bulbs

Halogen bulbs

10	413 62	BA9 S H 12 V = 20 W – Cat. Nos 413 08/12

Incandescent bulbs
DC

12	413 64	BA15 D 24V = 25W – Cat. No 413 26/27
12	413 65	BA15 D 48V = 25W – Cat. No 413 26/27

AC

12	413 69	BA15 D 230V ~ 25W – Cat. No 413 26/27
25	413 74	BA15 D 230V ~ 10W – Cat. Nos 413 36/37/38/43/44

Xenon 2 joules bulbs

1	413 70	for flashing light Cat. Nos 413 50/52/56/57

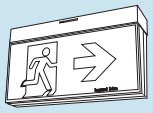
Accessories

Protective grid Supports

1	413 85	Wall-mounting, screw-fixing for lights Ø 140 and 170 mm

Emergency lighting, saftey lighting, testing systems & lighting management sensors

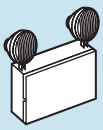
Emergency exit signs



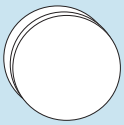
P. 330 Slide Connect G2

P. 336 LED weatherproof

Emergency lighting luminaires



P. 338 IP20 and IP55 twin floodlights

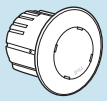


P. 351 Oyster fittings

Emergency testing systems

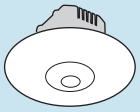
P. 355 AXIOM wireless area controller testing system

Safety lighting



P. 361 Lipso saftey lighting pilots

Lighting management

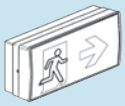


P. 363 Switch sensors

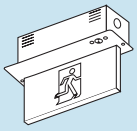
ER Emergency exit signs
(P. 332)

Oyster fittings
(P. 351)

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.



P. 332
ER emergency exit signs

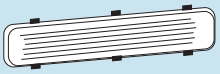


P. 334
LED edgelight

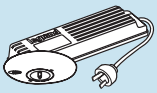
P. 337
LARGE exit signs

NEW

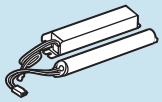
P. 339
Battens



P. 343
Weatherproof battens



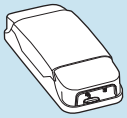
P. 346
Satellite series



P. 352
Power packs

P. 358
Test switches

P. 365
SCS Sensors



P. 365
SCS Room Controllers

P. 375
Zigbee Wireless Controllers

Axiom area controller
(P. 356)

Lipso pilots
(P. 361)

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Emergency lighting solutions for all applications

THEY HAVE SPECIFIED AND INSTALLED LEGRAND PRODUCTS:

Westfield: Albany | NSW
Canterbury University : | NZ
Sydney Airport: Mascot | NSW
Toyota Complex: Cronulla | NSW
Darwin Convention Centre: Darwin | NT
Royal Women's Hospital: Melbourne | VIC

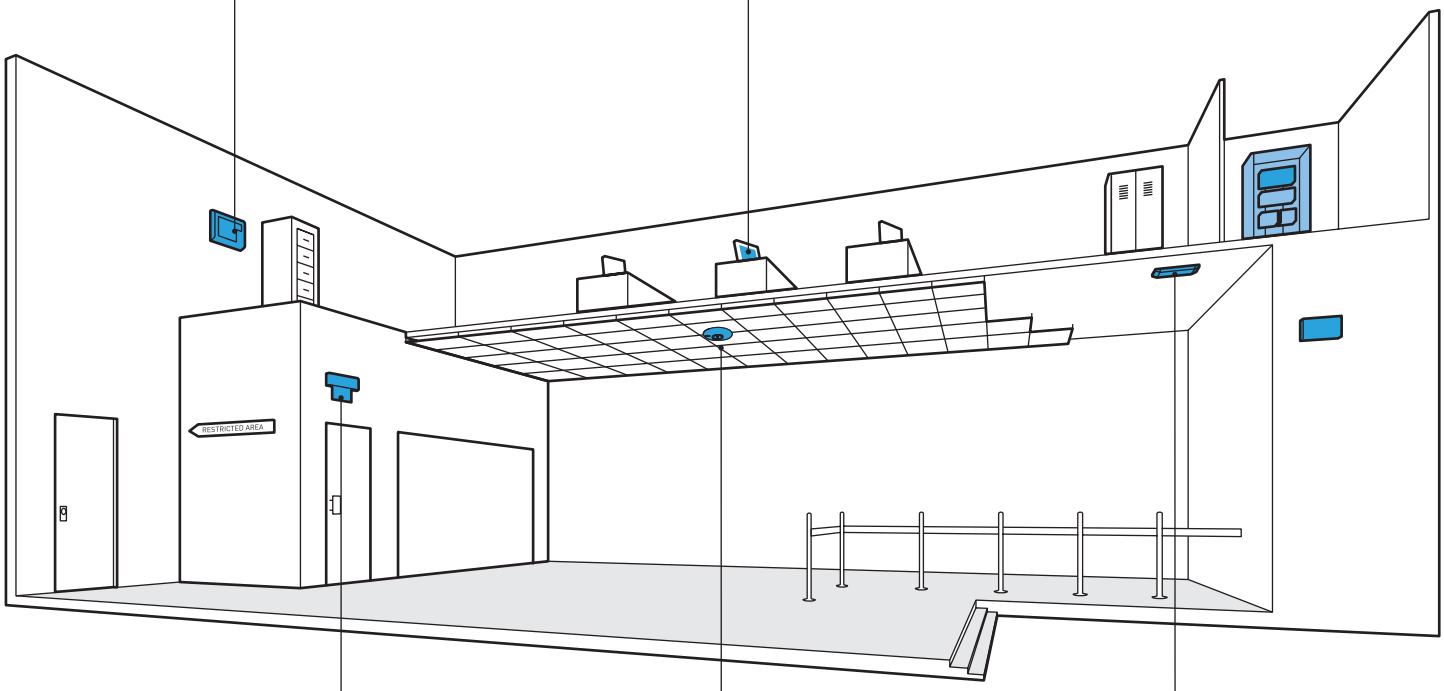
Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

AXIOM CENTRAL CONTROL PANEL

(See p. 356)
To manage information on Axiom emergency lighting units

MONITORING

SOFTWARE
(See p. 356)
For supervision of your installation



EMERGENCY EXIT SIGNS

(See p. 330)
Energy saving exit signs

POWER PACKS

(See p. 352)
Compatible with magnetic and most electronic ballasts

SATELLITE

(See p. 346)
Providing lighting when power is cut.

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

LED Slide Connect G2

Single LED light source / Exit signs

6862 00

Slide Connect G2

Unique single LED Maintained Exit sign (Patent Pending)
Super Long-Life LED replaceable light source.
Universal design for 'One Box Solution'
Clamshell construction using composite PC/ABS blend materials for increased robustness.

Retrofits to previous generation Minitronics Slide Connect bracket.
Large terminal block for ease of connection.
Switched-Mode Power Supply (SMPS) and Pulse Width Modulation (PWM) driver for extremely low energy consumption.
LED Slide Connect series can be wall, ceiling or cantilever mounted.

Pack	Cat No.	SPU
		Premium
		Standard NiCd two rate charge (Rate 150mA high - 40mA Low)
1	6862 00	White body c/w Running Man sheets (set of 4)
1	6862 01	White body c/w EXIT sheets, Peel-Off-Arrow (set of 3)
1	6862 08	Silver body c/w Running Man sheets (set of 4)
1	6862 09	Silver body c/w EXIT sheets, Peel-Off-Arrow (set of 3)
1	6862 06	Black body less diffuser sheets (no downward lens)

		Computer Monitored SPU's
		AXIOM Wireless
		NiCd two rate charge (Rate 150mA high - 40mA Low)
1	6862 03	White body c/w Running Man sheets (set of 4)
1	6862 04	White body c/w EXIT sheets, Peel-Off-Arrow (set of 3)
1	6862 11	Silver body c/w Running Man sheets (set of 4)
1	6862 12	Silver body c/w EXIT sheets, Peel-Off-Arrow (set of 3)
1	6862 07	Black body less diffuser sheets (no downward lens)

		COMMANDER Wired
		NiCd two rate charge (Rate 150mA high - 40mA Low)
1	6862 03	White body c/w Running Man sheets (set of 4)
1	6862 04	White body c/w EXIT sheets, Peel-Off-Arrow (set of 3)
1	6862 11	Silver body c/w Running Man sheets (set of 4)
1	6862 12	Silver body c/w EXIT sheets, Peel-Off-Arrow (set of 3)
1	6862 07	Black body less diffuser sheets (no downward lens)

Slide Connect G2 – Diffuser Sheets

The high efficiency diffuser sheets are designed for long life, optimum colour, uniformity and excellent light transmission.

Pack	Cat No.	Diffusers Sheets
1	6862 17	Running Man Straight ahead
1	6862 18	Running Man Left
1	6862 19	Running Man Right
1	6862 21	Running Man set (set 4)
1	6862 20	Running Man straight ahead, Green-On-Black
1	6862 32	Running Man Left, Green-on-Black
1	6862 33	Running Man Right, Green-on-Black
1	6862 22	'EXIT' Peel-Off-Arrows
1	6862 27	'EXIT' Peel-Off-Arrows, Green-On-Black
1	6862 29	Blank Opal (Translucent)
1	6862 28	Opaque (No light transmitted)
1	6862 30	Custom Printing (POA)

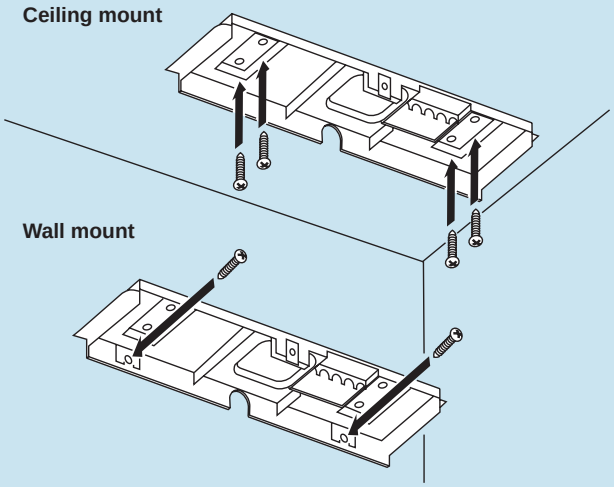
		Accessories
1	6862 14	2x2 Sub "C" replacement batteries
1	6862 15	Cantilever Bracket, White
1	6862 16	Wire Suspension Kit, Silver Pair of 2
1	6862 31	Mounting Bracket
1	6862 35	Wireguard - wall 400 x 250 x 100mm
1	6862 36	240Va.c. Slide Connect body only
1	6862 37	Wireguard - ceiling 400 x 220 x 230mm
1	6862 38	LED Assembly
1	2010 58	Commander Comms Cable

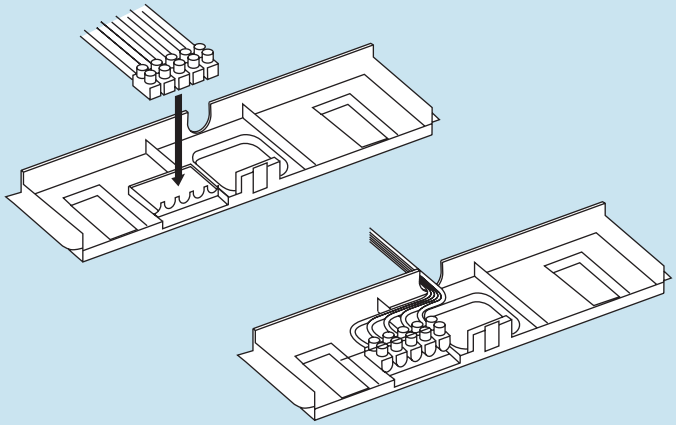
NOTE: When an Axiom fitting is used on a Commander network, a communications cable Cat No 2010 58 must be used and ordered separately.

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

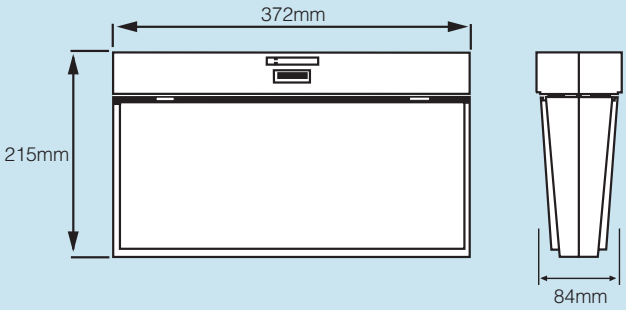
LED Slide Connect G2
Single LED light source / Exit signs

Product Installation

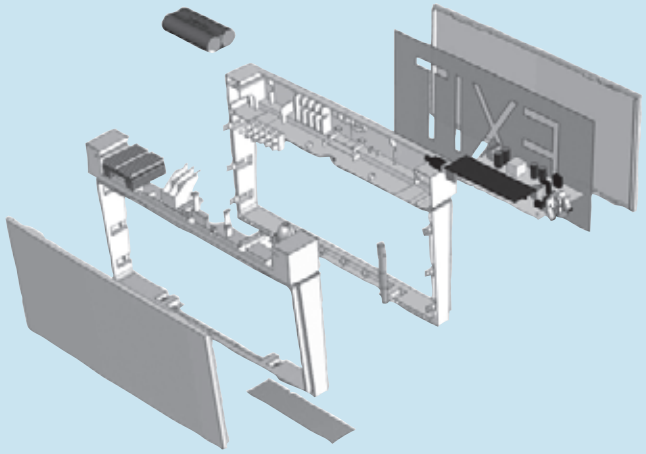




Dimensions



Exploded view



LED Slide Connect ™ G2 – Technical Specifications

	Premium / Axiom
Operation Mode	Maintained/Non-Maintained
Lamp	1x1W HBLED
Battery	NiCd 4xSub-C 4.8Vdc 1.5Ah
Battery Charging Circuit	Two rate charge
Charging Current	150mA to 40mA
Power Consumption	4.1W
Construction	Injection moulded high resistant fire retardant ABS Polycarbonate
Diffusers	Screen printed transluscent polycarbonate sheet
Operating Voltage	240Vac 50Hz
Operating Temperature	10°C to 40°C

Emergency Lighting Classification

Catalogue No.	Ceiling Mount C_0	Ceiling Mount C_{90}	Wall Mount C_0	Wall Mount C_{90}
6862 00	D3.2	A5	D3.2	A5
6862 01	D3.2	A5	D3.2	A5
6862 03	D3.2	A5	D3.2	A5
6862 04	D3.2	A5	D3.2	A5
6862 08	D3.2	A5	D3.2	A5
6862 09	D3.2	A5	D3.2	A5
6862 11	D3.2	A5	D3.2	A5
6862 12	D3.2	A5	D3.2	A5

Emergency Lighting Spacing Table

Classification	Mounting height (Metres)								
	2.1	2.4	2.7	3	3.3	3.6	4	4.5	5
A5	4.2	4.4	4.6	4.8	4.9	5.0	4.9	4.7	3.8
D3.2	6.5	6.6	6.6	6.5	6.4	6.2	5.8	5.1	4.1

** 2 metres or less mounting heights are considered impractical, and are not included in the table. Maximum spacings for mounting heights between the values given in the table may be obtained by interpolation.

* Specifications subject to change without prior notice.

ER emergency exit sign range
10W - 26mm lamps / exit signs

6844 57

6844 59

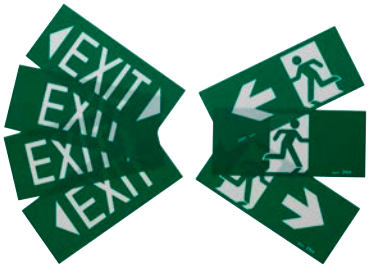
ER emergency exit signs provide a cost efficient solution for all emergency exit sign applications. The robust design simplifies the installation of new fittings as well as the upgrade of existing fittings.

Maintained and Non-maintained modes of operation on single tube or sustained mode of operation on double tube fitting
Both the wall mount (single sided) and ceiling mount (double sided) diffusers include all directional pictogram legends
Available in all-in-one box solution

Pack	Cat No.	Single point units (SPU's)
		Standard
1	6844 50	1 x 10W Maintained/Non-Maintained
1	6844 51	2 x 10W Sustained
		All-in-one box solutions
1	6844 57	1 x 10W + wall-mount diffuser + 3RM + 4 EXIT Sheets
1	6844 59	1 x 10W + ceiling-mount diffuser + 3RM + 4 EXIT Sheets
		Computer Monitored (SPU's)
		Axiom Wireless/Commander Wired
1	6844 55	1 x 10W Body Only
		Diffuser
1	6844 52	Single sided diffuser + RM, RML, RMR+ 4 EXIT Sheets
1	6844 53	Double sided diffuser + RM, RML, RMR+ 4 EXIT Sheets

Pack	Cat No.	Diffuser Sheets	
1	6862 17	Running Man straight ahead	G2RM
1	6862 18	Running Man Left	G2RML
1	6862 19	Running Man Right	G2RMR
1	6862 21	Running Man set (set 4)	G2RM4
1	6862 20	Running Man straight ahead, Green-On-Black	G2RMGB
1	6862 32	Running Man Left, Green-on-Black	G2RMGBL
1	6862 33	Running Man Right, Green-on-Black	G2RMGBR
1	6862 22	'EXIT' Peel-Off-Arrows	G2POA
1	6862 27	'EXIT' Peel-Off-Arrows, Green-On-Black	G2POAGB
1	6862 29	Blank Opal (Translucent)	G2BLANKOPAL
1	6862 28	Opaque (No light transmitted)	G2OPAQUE
1	6862 30	Custom Printing (POA)	G2CUSTOM
		Accessories	
1	6862 14	2x2 Sub "C" replacement batteries	BP45CW
1	6862 16	Wire Suspension Kit, Silver 2 x 6m	G2SUSPN
1	6862 35	Wireguard - wall 400 x 250 x 100mm	G2WGSS
1	6862 36	Wireguard - ceiling 400 x 220 x 230mm	G2WGDS
1	2019 58	Commander Comms Cable	CABLE-TELE

NOTE: When an Axiom fitting is used on a Commander network, a communications cable Cat No 2010 58 must be used and ordered separately.



Diffuser Sheets included on ALL–IN–ONE solutions

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

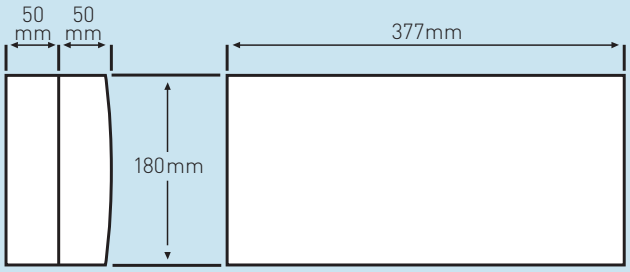
ER emergency exit sign range
10W - T8 lamps / exit signs technical specifications

Technical Specifications

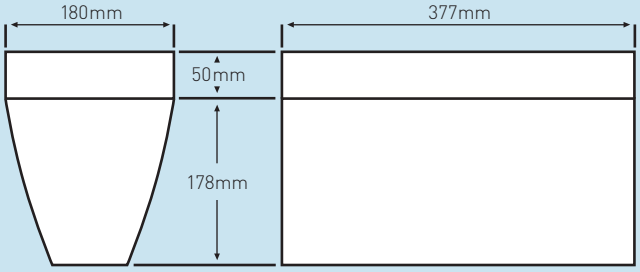
Cat No	SPU (684450)	Axiom (684455)
Operation Mode	Maintained/non-maintained	
Lamp	1x10W T8	
Battery	NiCd 4xSubC 4.8Vd.c. 1.5Ah	
Battery Charging Mechanism	Variable rate charge	Two rate charge
Charging Current	170mA - 90mA	150mA (hrc) - 40mA (Lre)
Operating Voltage	240Va.c. 50Hz	
Operating temperature	10°C to 40°C	
IP rating	IP20	
Body constructions	Injection moulded high resistance fire retardant PC	
Diffuser	Injected moulded opalescent acrylic	
Replacement battery	Cat No 686214	

Dimensions

Single sided (Wall Mount)



Double sided (Wall Mount)



Emergency Lighting Classification

Body Cat No	Description	Diffuser Cat No	Diffuser Type	Photometric C_0/C_{90} Double Sided
684450	1x10W Maintained/Non-Maintained body	684452	Wall Mount	*
684450	1x10W Maintained/Non-Maintained body	684453	Ceiling Mount	E1.25/E1.0
684451	2x10W Sustained body	684452	Wall Mount	*
684451	2x10W Sustained body	684453	Ceiling Mount	E1.25/E1.0

* These signs are yet to be classified

Emergency Lighting Spacing Table

Classification \ Metres	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.5	5.0
E1.0	3.8	3.6	3.2	3.6					
E1.25	4.2	4.2	4.0	3.6	4.0	3.0			
E2.5	5.6	5.8	5.8	6.0	5.8	5.8	5.2	5.2	4.6
E3.2	6.0	6.2	6.4	6.6	6.6	6.6	6.6	5.8	5.8

** 2 metres or less mounting heights are considered impractical, and are not included in the table. Maximum spacings for mounting heights between the values given in the table may be obtained by interpolation.

Edgelight
Recessed / Exit signs

6844 20 + 6844 00

LED Edgelight series - 4x1w LED
The housing is made of zinc-coated steel finished in white acrylic baked enamel, fronted by a die formed faceplate.
The body is supplied complete with recess mounting brackets.
This Edgelight series offers long lasting performance with the traditional clean lines preferred by many designers.
Large terminal block for ease of connection.
Body and Diffuser supplied separately.
Can be configured as maintained or non maintained.
Diffusers are suitable for SPU and computerised fittings.

Pack	Cat No.	SPU's
		Premium
		NiCd two rate charge
1	6844 20	LED 4x1w Body Only

		Single-sided diffusers
		Painted Steel Frame, Laminated Acrylic Panel.
		complete with legend, additional LED & Aerial holes.
		Suitable for both SPU's and computer monitored fittings
1	6844 00	Running Man Straight
1	6844 01	Running Man Left
1	6844 02	Running Man Right
1	6844 03	Running Man Straight (GOB)
1	6844 04	'EXIT'
1	6844 05	'EXIT' Arrow Left
1	6844 06	'EXIT' Arrow Right
1	6844 07	'EXIT' Arrows Both Ways

		Double-sided diffusers
		Complete with legend, additional LED & Aerial holes.
		Suitable for both SPU's and computer monitored fittings
1	6844 08	Running Man Straight
1	6844 09	Running Man Left/Right
1	6844 10	'EXIT'
1	6844 11	'EXIT' Arrow One Way
1	6844 12	'EXIT' Arrows Both Ways

Pack	Cat No.	Computer monitored SPU's
		AXIOM Wireless/Commander Wired
1	6844 22	LED 4 x 1w Body Only

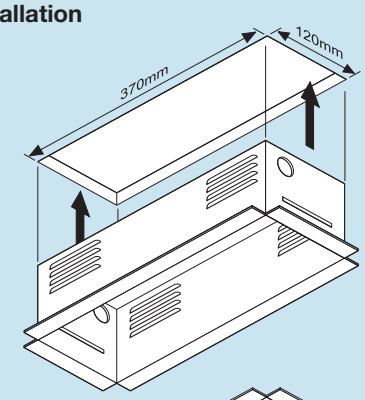
		Accessories
1	6822 06	Surface mount box only
1	6844 21	LED Gear tray only
1	6844 23	LED Axiom gear tray only
1	6846 89	Battery Pack 2 x 2 Sub-C NICD with mounting Plate
1	2010 58	Commander Comm Cable

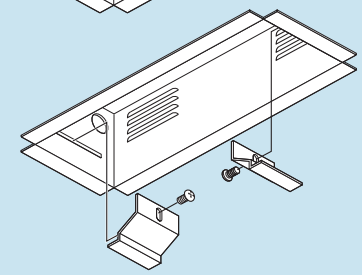
NOTE: When an Axiom fitting is used on a Commander network, a communications cable Cat No 2010 58 must be used and ordered separately.

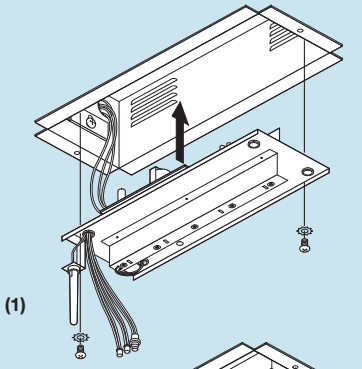
Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

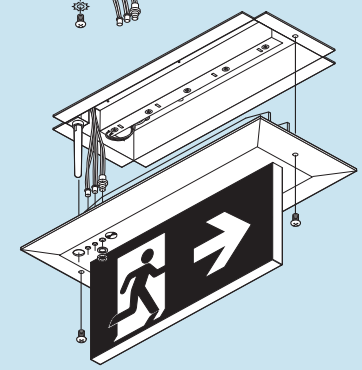
Edgelight
LED recessed / exit signs technical specifications

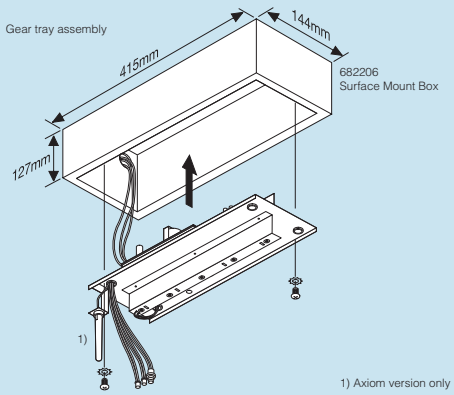
Product Installation











(1) Only on Axiom fittings

LED Edgelight – Technical specifications

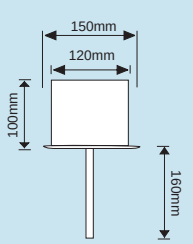
	Premium/Axion
Operation Mode	Maintained / Non-Maintained
Lamp	4x1W HBLED
Battery	**Ni-Cd** 4xSub-C 4.8Vdc 1.5Ah
Battery Charging Circuit	Two rate charge
Charging Current	150mA - 40mA
Power Consumption	4.5W
Construction	Powder coated zinc-coated steel
Diffusers	Inner: Clear acrylic Outer: Medium density opal acylic
Operating Voltage:	240Va.c. 50Hz
Operating Temperature	10°C to 40°C

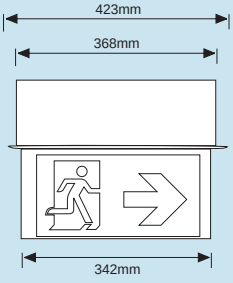
Emergency Lighting Classification

Body Cat No	Diffuser fitted Single or double sided		Photometric C_0/C_{90} Report	
684420	S		C8	E20
684420		D	C8	E20
684422	S		C8	E20
684422		D	C8	E20

Emergency Lighting Spacing Table

	Mounting Height (metres)								
	2.1	2.4	2.7	3	3.3	3.6	4	4.5	5
C8	6.8	7.2	7.4	7.7	7.9	8.0	8.2	8.3	8.2
E20	8.8	9.6	10.4	11.0	11.6	12.2	13.0	13.6	14.4





Weatherproof signs
LED signs - IP65 / exit signs

6846 50

Weatherproof Exit signs – 2x1Watt IP65 – 24m
Polycarbonate glass fibre reinforced housing provided with a narrow circular rib accommodating an age and oil resistant soft rubber gasket, ensures a tight fit of the polycarbonate cover.
Supplied with 4 polycarbonate captive slotted head screws.
Removable gear tray for ease of maintenance and installation.
Can be wall mounted.
Super lamp life HBLED (50000 hours)
Dimensions: 390mm(W) x 140mm(H) x 195mm(D)

Pack	Cat No.	SPU's
		Premium
		NiCd two rate charge
		(High Rate 150mA, Low Rate 50mA)
1	6846 50	Running Man
1	6846 51	Running Man Left
1	6846 52	Running Man Right
1	6846 53	Opal Diffuser
1	6846 59	Running Man - Freezer Room (-25C) NEW
1	6846 54	'EXIT'
1	6846 55	'EXIT' Left
1	6846 56	'EXIT' Right
1	6846 57	'EXIT' Left/Right

Computer monitored SPU's

		AXIOM wireless/Commander Wired
		NiCd two rate charge
		(High rate 150 mA, Low rate 50-70 mA)
1	6846 60	Running Man
1	6846 61	Running Man Left
1	6846 62	Running Man Right
1	6846 69	Running Man - Freezer Room (-25C) NEW
1	6846 64	'EXIT'
1	6846 65	'EXIT' Left
1	6846 66	'EXIT' Right
1	6846 67	'EXIT' Left/Right

Weatherproof signs
LED large signs - IP65 / exit signs

6846 70

Weatherproof Exit signs – 2x1watt IP65 32m
Polycarbonate glass fibre reinforce housing provided with a narrow circular rib accommodating an age and oil resistant soft rubber gasket, ensures a tight fit of the polycarbonate cover.
Supplied with 6 polycarbonate captive slotted head screws.
Removable gear tray for ease of maintenance and installation.
Can be wall mounted.
Super lamp life HBLED (50000 hours)
Dimensions: 565mm(W) x 140mm(H) x 285mm(D)

Pack	Cat No.	SPU's
		Premium
		NiCd two rate charge
		(High Rate: 400 mA, Low Rate: 70 -100mA)
1	6846 70	Running Man
1	6846 71	Running Man Left
1	6846 72	Running Man Right
1	6846 74	'EXIT'
1	6846 75	'EXIT' Left
1	6846 76	'EXIT' Right
1	6846 77	'EXIT' Left / Right

Computer monitored SPU's

		AXIOM wireless/Commander Wired
		NiCd, two rate charge
		(High rate 400 mA, Low rate 70-100 mA)
1	6846 80	Running Man
1	6846 81	Running Man Left
1	6846 82	Running Man Right
1	6846 84	'EXIT'
1	6846 85	'EXIT' Left
1	6846 86	'EXIT' Right
1	6846 87	'EXIT' Left / Right

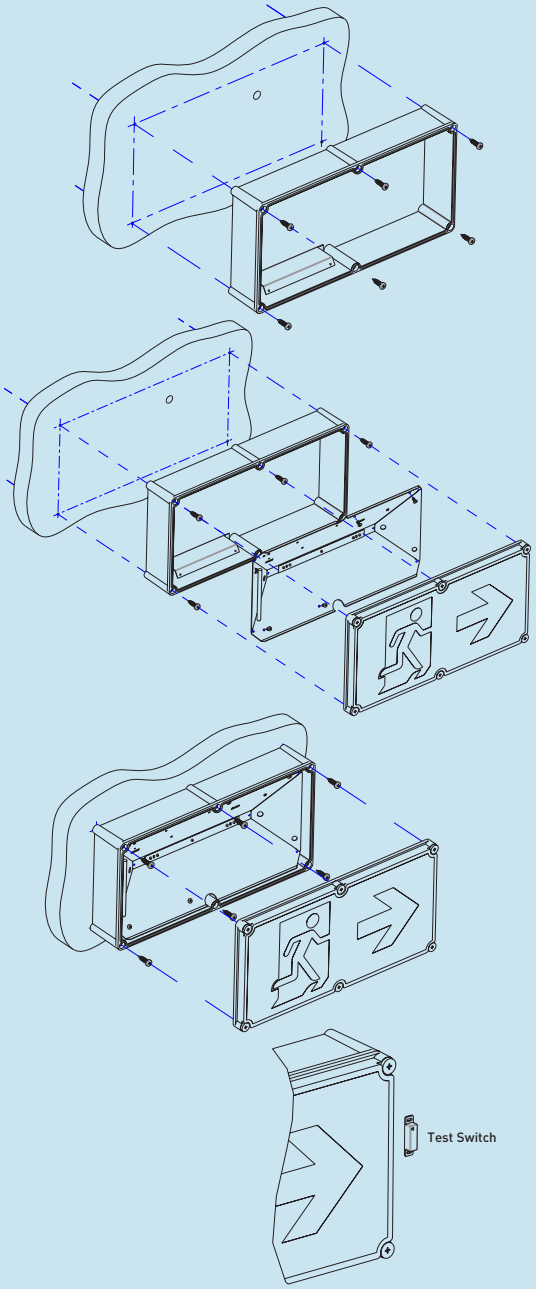
Accessories

1	6846 89	Battery Pack 2x2 SubC w/mounting plate
1	6846 58	WP LED 2x1W Small Gear tray only
1	6846 68	Axiom WP LED 2x1W Small Gear tray only
1	6846 80	WP LED 2x1W Large Gear tray only

NOTE: When an Axiom fitting is used on a Commander network, a communications cable Cat No 2010 58 must be used and ordered separately.

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Weatherproof signs
Technical specifications



Technical Specifications

Premium/Axiom/Commander	
Mode of Operation	Maintained/Non-maintained
Light Source	2x1W HB-LED
Battery	NiCd 2x2 Sub-C 1.5Vdc - 1.5Ah
Charging Mechanism	Dual Rate Charge
Charging Current	HCR: 150mA - LRC: 70mA
Operating Voltage	240V a.c. +/- 6% 50Hz
Power Consumption	5.4W
Body Constructions	Glass Reinforced Polyester
Cover	High resistance polycarbonate ABS clear cover
Operating Temperature	10°C to 40°C
IP Rating	IP65
Replacement battery	Cat No 684689

18W large signs
Exit signs

2224 39 + 2040 42

Large signs - 18W

Power-coated body fitted with wide reflector to accommodate moulded single- and double-sided diffusers. Includes Legend.
Viewing distance = 32 metres.
Dimensions:
Wall-mounted S/S 635mm (W) x 235mm (H) x 125mm (D)
Ceiling-mounted D/S 635mm (W) x 195(H) x 280mm(D)

Pack	Cat No.	
		Single point battens
		Standard
		NiCd variable rate charge (supplied less lamp)
		(Rate 320 – 200 mA)
		2 x 18 Watt – 26mm lamps
1	2224 39	Sustained - Body Only
		1 x 18w - T8 26 mm lamp
1	2224 23	Maintained - Body Only
		Premium
		NiCd two rate charge (supplied less lamp)
		(High: 400mA – Low: 70-100mA)
		2 x 18 Watt – 26mm lamps
1	2224 88	Sustained - Body Only
		Computer monitored single point battens
		NiCd two rate charge (supplied less lamp)
		(High: 400mA – Low: 70-100mA)
		2 x 18 Watt – 26mm lamps
		COMMANDER wired
1	2231 43	Sustained - Body Only (supplied less lamp)
		AXIOM wireless
1	6822 43	Sustained - Body Only (supplied less lamp)
		Diffusers
		To convert batten to exit sign
		(incl. reflector mounting plate)
		Single-Sided - Wall mounting
1	2040 42	Running Man
1	2040 43	Running Man Right
1	2040 44	Running Man Left
1	2040 41	'EXIT' Peel-Off Arrows
		Double-Sided - Ceiling mounting
		(remove top pins for re-lamping)
1	2040 46	Running Man
1	2040 47	Running Man Right/Left
1	2040 45	'EXIT' Peel-Off Arrows

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Twin floodlights
IP20 and IP55 / emergency lights

2225 28

6820 43

Twin head floodlights
Robust design. Ease of maintenance and installation. Suitable for wall mounting application.

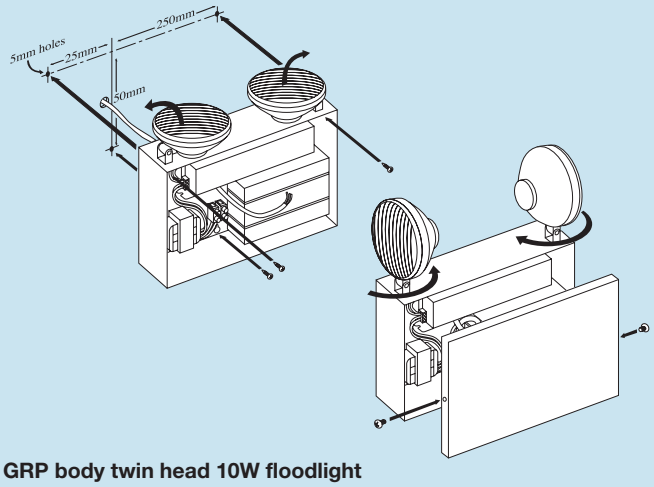
Pack	Cat No.	SPU's
		Standard
		Metal body IP20
		Lead Acid variable rate charge
		(Rate 360 – 250mA)
		2 x 12-volt – 10-watt halogen lamp
1	2225 28	Non-maintained
		GRP body IP55
		2 x 12-volt – 10-watt halogen lamp
1	6820 42	Non-maintained
		GRP body IP20
		Lead Acid variable rate charge
		(Rate 360 – 250mA)
		2 x 12-volt – 35-watt halogen lamp
1	6820 43	Non-maintained

		Computerised SPU's
		AXIOM wireless
		Lead Acid variable rate charge
		(Rate 360 – 250mA)
		GRP body IP55
		2 x 12-volt – 10-watt halogen lamp
1	6822 42	Non-maintained
		GRP body IP20
		2 x 12-volt – 35-watt halogen lamp
1	6822 49	Non-maintained

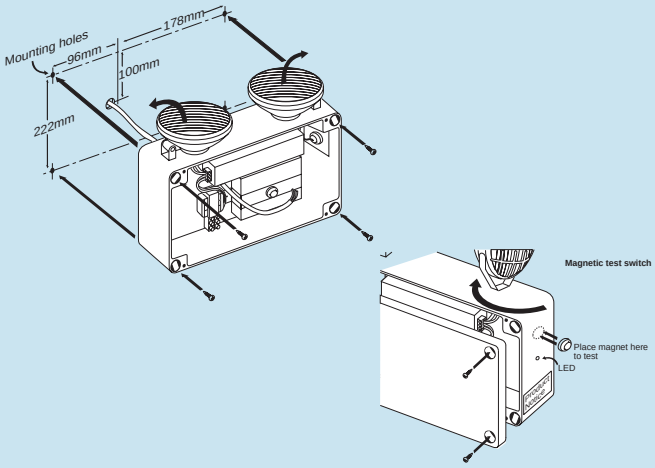
		Accessories
1	6823 55	Floodlight Head 10-watt
1	0002 80	Floodlight Head 35-watt
1	6823 69	Wireguard for 2225 28 (350x450x150mm)
1	2027 53	Battery pack for 2225 28 (Before11/2011)
1	2232 22	Battery pack for 2225 28 (After 11/2011)
1	2046 07	Battery pack for GRP 10W
1	2043 06	Battery pack for 35W

Twin floodlights
Technical specifications

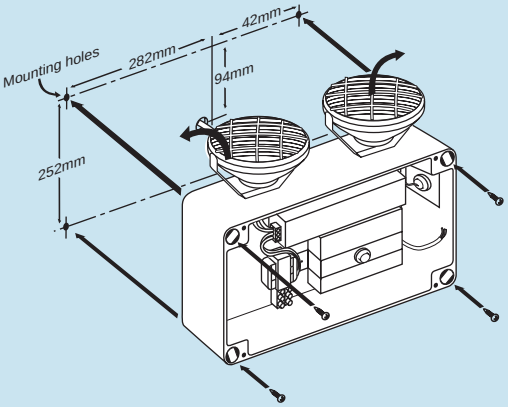
Metal body twin head floodlight
Dimensions:
285mm (W) x 177mm (H) x 75mm (D)



GRP body twin head 10W floodlight
Dimensions:
332mm (W) x 415mm (H) x 132mm (D)



Plastic body twin head 35W floodlight
Dimensions:
382mm (W) x 480mm (H) x 132mm (D)



Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

T8 Metal battens conventional and electronic ballast

Emergency lights

2224 35

2040 14

Bare Battens - Magnetic or electronic ballast
Base constructed in zinc coated steel with die formed channel cover, finished in white powder coat. The batten provides a high level of illumination and is suitable for both ceiling and wall mounting. Large terminal block for ease of connection. SLE units can be wall or ceiling mounted. Magnetic (switch start): B1 ballast helps ensure cool operation and low energy consumption.

Bare Battens - Electronic ballast
Warm start electronic ballast means less weight for installers.
The installed luminaire has a flicker-free start, consumes less energy and enjoys a longer lamp life.

Pack	Cat No.	SPUs	Prod code
		Standard - T8	
		NiCd variable rate charge (Rate 320 – 200 mA)	
		1 x 18 watt	
1	2224 23	Maintained magnetic	SEE118M
1	2040 08	Maintained electronic	SEE118EM
1	2224 26	Non-maintained	SEE118N
		2 x 18 watt	
1	2224 35	Maintained magnetic	SEE218M
1	2040 10	Maintained electronic	SEE218EM
1	2224 39	Sustained magnetic	SEE218S
1	2040 11	Sustained electronic	SEE218ES
		1 x 36 watt	
1	2224 29	Maintained magnetic	SEE136M
1	2040 12	Maintained electronic	SEE136EM
1	2224 32	Non-maintained	SEE136N
		2 x 36 watt	
1	2224 42	Maintained magnetic	SEE236M
1	2040 14	Maintained electronic	SEE236EM
1	2224 45	Sustained magnetic	SEE236S
1	2040 15	Sustained electronic	SEE236ES
		Premium - T8	
		NiCd two rate charge	
		(Rate 400 – 70-100 mA)	
		1 x 18 watt	
1	2224 73	Maintained magnetic	SLE118M
1	2224 76	Non-maintained	SLE118N
		2 x 18 watt	
1	2224 85	Maintained magnetic	SLE218M
1	2224 88	Sustained magnetic	SLE218
		1 x 36 watt	
1	2224 79	Maintained magnetic	SLE136M
1	2224 82	Non-maintained	SLE136N
		2 x 36 watt	
1	2224 91	Maintained magnetic	SLE236M
1	2224 94	Sustained magnetic	SLE236S

Note: Fluorescent lamps sold separately

Pack	Cat No.	Computer monitored SPU	Prod code
		Commander wired	
		NiCd two rate charge (Rate 400 – 70-100 mA)	
		1 x 18 watt	
1	2231 33	Maintained magnetic	CMLE118M
1	2231 35	Non-maintained	CMLE118N
1	2040 16	Maintained electronic	CMLE118EM
		2 x 18 watt	
1	2231 41	Maintained magnetic	CMLE218M
1	2231 43	Sustained magnetic	CMLE218S
1	2040 18	Maintained electronic	CMLE218EM
1	2040 19	Sustained electronic	CMLE218ES
		1 x 36 watt	
1	2231 37	Maintained magnetic	CMLE136M
1	2231 39	Non-maintained	CMLE136N
1	2040 20	Maintained electronic	CMLE136EM
		2 x 36 watt	
1	2231 45	Maintained magnetic	CMLE236M
1	2231 47	Sustained magnetic	CMLE236S
1	2040 22	Maintained electronic	CMLE236EM
1	2040 23	Sustained electronic	CMLE236ES
		AXIOM wireless	
		NiCd two rate charge (Rate 400 – 70-100 mA)	
		1 X 18 watt	
1	6822 61	Maintained electronic	AXLE18EM
1	6822 62	Non-maintained	AXLE118N
		2 X 18 watt	
1	6822 65	Maintained electronic	AXLE218EM
1	6822 43	Sustained electronic	AXLE218ES
		1 X 36 watt	
1	6822 63	Maintained electronic	AXLE136EM
1	6822 64	Non-maintaned	AXLE136N
		2 X 36 watt	
1	6822 67	Maintained electronic	AXLE236EM
1	6822 68	Sustained electronic	AXLE236ES

		Accessories for all battens	
		Wire guard	
1	2225 80	to suit 1 & 2 x 18 watt	WG218
1	2267 60	to suit 1 x 36 watt	WG36
1	2225 81	to suit 2 x 36 watt	WG236
		Prismatic diffuser kit for bare battens	
1	2220 75	for 1 & 2 x 18 watt	DP218
1	2220 77	for 1 x 36 watt	DP36
1	2220 76	for 2 x 36 watt	DP236

T8 metal battens

Emergency and non-emergency luminaires

Technical Specifications

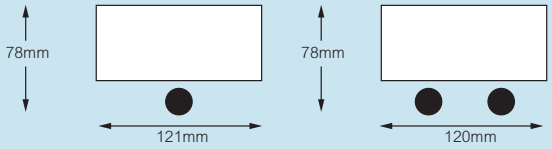
	Standard range	Premium range	Computer monitored range
Charging Means	Fully automatic regulated constant voltage charger	Two rate charger	
Charging Current	360mA to 250mA variable	350 - 450mA full recharging 70mA trickle charge 80 - 110mA	
Battery	70°C Nickel Cadmium cells. 4 amp hour		
Recharge time	Max 16 hours at discharge 10°C - 40°C.		
Construction	Zinc coated steel finish in white powder coat (bare battens, miniature battens) Polyester reinforced with fibreglass (weatherproof IP65)		
Diffusers	Acrylic for battens. Polycarbonate for weatherproof.		

Metal Battens

Bare tube(s)

Single configuration Twin configuration

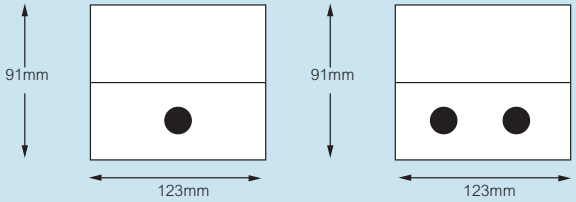
18W or 36W



Diffused prismatic

Single configuration Twin configuration

2 x 18W, 2 x 36W



Emergency Lighting Classification

Cat. No. Series	Diffuser/Wire guard None	Diffuser Prismatic	Wire guard	Photometric C_0/C_{90}	Product Code	NAIES Files	Cat. No. Series	Diffuser/Wire guard None	Diffuser Prismatic	Wire guard	Photometric C_0/C_{90}	Product Code	NAIES Files
2224 23	x			D32/C32	SEE118M	LSA2291	2224 85			x	D32/C40	SLE218MWG	LSA2321
2224 23		x		D32/C25	SEE118MDP	LSA2300	2224 88	x			D32/C40	SLE218S	LSA2321
2224 23			x	D32/C32	SEE118MWG	LSA2291	2224 88		x		D25/C25	SLE218SDP	LSA2322
2224 26	x			D32/C32	SEE118N	LSA2291	2224 88			x	D32/C40	SLE218SWG	LSA2321
2224 26		x		D32/C25	SEE118NDP	LSA2300	2224 91	x			D63/D20	SLE236M	LSA2287
2224 26			x	D32/C32	SEE118NWG	LSA2291	2224 91		x		D40/C40	SLE236MDP	LSA2288
2224 29	x			D63/C63	SEE136M	LSA2325	2224 91			x	D63/D20	SLE236MWG	LSA2287
2224 29		x		D50/C25	SEE136MDP	LSA2326	2224 94	x			D63/D20	SLE236S	LSA2287
2224 29			x	D63/C63	SEE136MWG	LSA2325	2224 94		x		D40/C40	SLE236SDP	LSA2288
2224 32	x			D63/C63	SEE136N	LSA2325	2224 94			x	D63/D20	SLE236SWG	LSA2287
2224 32		x		D50/C25	SEE136NDP	LSA2326	6822 61	x			D32/C32	AXLE118M	LSA2291
2224 32			x	D63/C63	SEE136NWG	LSA2325	6822 61		x		D32/C25	AXLE118MDP	LSA2300
2224 35	x			D32/C40	SEE218M	LSA2321	6822 61			x	D32/C32	AXLE118MWG	LSA2291
2224 35		x		D25/C25	SEE218MDP	LSA2322	6822 62	x			D32/C32	AXLE118N	LSA2291
2224 39	x			D32/C40	SEE218S	LSA2321	2231 35		x		D32/C25	AXLE118NDP	LSA2300
2224 39		x		D25/C25	SEE218SDP	LSA2322	2231 35			x	D32/C32	AXLE118NWG	LSA2291
2224 42	x			D63/D20	SEE236M	LSA2287	6822 63	x			D63/C63	AXLE136M	LSA2325
2224 42		x		D40/C40	SEE236MDP	LSA2288	6822 63		x		D50/C25	AXLE136MDP	LSA2326
2224 45	x			D63/D20	SEE236S	LSA2287	6822 63			x	D63/C63	AXLE136MWG	LSA2325
2224 45		x		D40/C40	SEE236SDP	LSA2288	6822 64	x			D63/C63	AXLE136N	LSA2325
2224 73	x			D32/C32	SLE118M	LSA2291	6822 64		x		D50/C25	AXLE136NDP	LSA2326
2224 73		x		D32/C25	SLE118MDP	LSA2300	6822 64			x	D63/C63	AXLE136NWG	LSA2325
2224 73			x	D32/C32	SLE118MWG	LSA2291	6822 65	x			D32/C40	AXLE218M	LSA2321
2224 76	x			D32/C32	SLE118N	LSA2291	6822 65		x		D25/C25	AXLE218MDP	LSA2322
2224 76		x		D32/C25	SLE118NDP	LSA2300	6822 65			x	D32/C40	AXLE218MWG	LSA2321
2224 76			x	D32/C32	SLE118NWG	LSA2291	6822 43	x			D32/C40	AXLE218S	LSA2321
2224 79	x			D63/C63	SLE136M	LSA2325	6822 43		x		D25/C25	AXLE218SDP	LSA2322
2224 79		x		D50/C25	SLE136MDP	LSA2326	6822 43			x	D32/C40	AXLE218SWG	LSA2321
2224 79			x	D63/C63	SLE136MWG	LSA2325	6822 67	x			D63/D20	AXLE236M	LSA2287
2224 82	x			D63/C63	SLE136N	LSA2325	6822 67		x		D40/C40	AXLE236MDP	LSA2288
2224 82		x		D50/C25	SLE136NDP	LSA2326	6822 67			x	D63/D20	AXLE236MWG	LSA2287
2224 82			x	D63/C63	SLE136NWG	LSA2325	6822 68	x			D63/D20	AXLE236S	LSA2287
2224 85	x			D32/C40	SLE218M	LSA2321	6822 68		x		D40/C40	AXLE236SDP	LSA2288
2224 85		x		D25/C25	SLE218MDP	LSA2322	6822 68			x	D63/D20	AXLE236SWG	LSA2287

Emergency Lighting Spacing Table

Mounting height (Metres)

	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	12.0	15.0	16.0
C25	9.5	10	11	11	11	12	12	13	13	14	14	15	15	14	13	6.5	
C32	10	11	11	12	12	13	13	14	15	15	16	16	17	16	16	12	
C40	11	11	12	13	13	14	14	15	16	17	17	18	18	18	18	16	
C63	12	13	14	14	15	15	16	17	18	19	20	21	22	23	23	23	19
D20	13	14	14	14	15	15	15	16	16	16	16	16	15	14	11		
D25	14	15	15	16	16	16	17	17	18	18	18	18	18	17	15	7.5	
D32	15	16	17	17	18	18	19	19	20	20	21	21	21	20	19	15	
D40	17	17	18	19	19	20	20	21	21	22	23	23	23	23	22	19	
D50	18	19	19	20	21	21	22	23	23	24	25	25	26	26	26	24	15
D63	19	20	21	22	22	23	24	25	25	26	27	28	29	29	29	28	2

** 2 metres or less mounting heights are considered impractical, and are not included in the table. Max spacings for mounting heights between the values given in the table may be obtained by interpolation.*

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

T5 metal battens
Emergency and non-emergency luminaires

T5 Metal Battens - electronic ballasts
Complete range of emergency and non-emergency fittings to suit all applications. Robust design and easy to install. White powder zinc coated steel body with large terminal block for ease of connection. Suitable for wall or ceiling mount, this range provides an energy efficient and durable solution.

SPU's

Pack	Cat No.	
		Standard - T5 Emergency Metal Battens
		LED Technology for Emergency Mode
		NiCd dual rate charge (HRC: 150 - LRC: 40mA)
1	6849 50	1x14W T5 Maintained LED Wide Body
1	6849 52	2x14W T5 Maintained LED Wide Body
1	6849 58	1x28W T5 Maintained 2xLED Wide Body
1	6849 59	2x28W T5 Maintained 2xLED Wide Body
		Standard - T5 Fluorescent Technology for Emergency Mode
		NiCd dual rate charge (Rate: 320 - 200mA)
1	6849 54	1x28W T5 Non-Maintained Wide Body
1	6849 55	1x28W T5 Maintained Wide Body
1	6849 56	2x28W T5 Maintained Wide Body
1	6849 57	2x28W T5 Sustained Wide Body

Computer monitored SPU's

		AXIOM wireless/Commander Wired
		LED Technology for Emergency Mode
		NiCd dual rate charge (HRC: 150 - LRC: 40mA)
1	6849 60	1x14W T5 Maintained LED Wide Body
1	6849 62	2x14W T5 Maintained LED Wide Body
1	6849 68	1x28W T5 Maintained 2xLED Wide Body
1	6849 69	2x28W T5 Maintained 2xLED Wide Body
		Fluorescent T5 Technology for Emergency Mode
		NiCd dual rate charge
		(HRC: 430 to 260mA - LRC: 100 to 80mA)
1	6849 64	1x28W T5 Non-Maintained Wide Body
1	6849 65	1x28W T5 Maintained Wide Body
1	6849 66	2x28W T5 Maintained Wide Body
1	6849 67	2x28W T5 Sustained Wide Body

Non-emergency Battens

Pack	Cat No.	
		Non-emergency metal battens bare
1	6849 70	1x14W T5 Bare batten Narrow Body
1	6849 87	1x14W T5 Bare batten Wide Body
1	6849 71	2x14W T5 Bare batten Wide Body
1	6849 72	1x28W T5 Bare batten Narrow Body
1	6849 90	1x28W T5 Bare batten Wide Body
1	6849 73	2x28W T5 Bare batten Wide Body
		Non-emergency metal diffused battens
1	6849 74	1x14W T5 Diffused batten Narrow Body
1	6849 88	1x14W T5 Diffused batten Wide Body
1	6849 75	2x14W T5 Diffused batten Wide Body
1	6849 76	1x28W T5 Diffused batten Narrow Body
1	6849 91	1x28W T5 Diffused batten Wide Body
1	6849 77	2x28W T5 Diffused batten Wide Body
		Non-emergency metal wireguard battens
1	6849 78	1x14W T5 Wireguard batten Narrow Body
1	6849 89	1x14W T5 Wireguard batten Wide Body
1	6849 79	2x14W T5 Wireguard batten Wide Body
1	6849 70	1x28W T5 Wireguard batten Narrow Body
1	6849 92	1x28W T5 Wireguard batten Wide Body
1	6849 81	2x28W T5 Wireguard batten Wide Body

Accessories

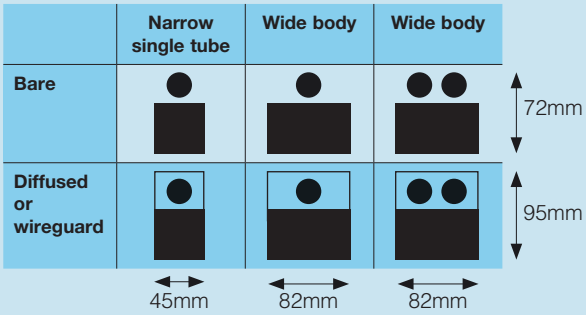
		Diffusers
1	6849 83	Diffuser for T5 1x14 Narrow Body
1	6849 84	Diffuser for T5 2x14 Wide Body
1	6849 85	Diffuser for T5 1x28 Narrow Body
1	6849 86	Diffuser for T5 2x28 Wide Body
		Wireguard
1	6849 93	Wireguard for T5 1x14 Narrow Body
1	6849 94	Wireguard for T5 2x14 Wide Body
1	6849 95	Wireguard for T5 1x28 Narrow Body
1	6849 96	Wireguard for T5 2x28 Wide Body
		Other
1	2010 58	Commander Communication Cable

*Wide body designed to match emergency lighting fittings

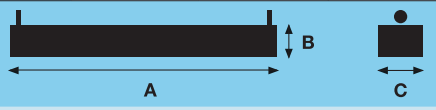
T5 metal battens
Emergency and non-emergency luminaires

Technical Specifications

Product Specifications			
Cat. No.	684956 (SPU 2x28W)	684966 (Axiom 2x28W)	684973 (Non Emergency 2x28W)
Lamp*	T5 28W (lamp not supplied)		
Battery	NiCd 5 x 1 D-cells linear - 6V d.c. 4.0Ah		-
Charging mechanism	Variable rate charge	Dual rate charge	-
Charging current	300mA to 200mA	HRC: 430 to 260mA LRC: 100 to 80mA	-
Operating voltage	240V a.c. +/- 6% 50Hz		
Power consumption	0.3A	0.33A	0.25A
Lighting classification	C_0/ C_{90} / C_{180} D50/ D20 /D63	C_0/ C_{90} / C_{180} D580/ D25 /D80	
Operating temperature	10ºC to 40ºC		
IP rating	IP20		
Replacement battery	Cat No HB00024TA		



Dimensions (mm)			
	A	**B**	**C**
Narrow body 14W	570	72	45
Wide body 14W	570	72	82
Narrow body 28W	1170	72	45
Wide body 28W	1170	72	82



Emergency Lighting Classification

Cat. No.	Diffuser/Wireguard None	Diffuse	Wireguard	Photometric C0/C90
684950				TBA
684952				TBA
684958				TBA
684959				TBA
684955	X			D63/D20
684954	X			D63/D20
684956	X			D63/D20/D63
684957	X			D63/D20/D63
684955		X		D63/D20
684954		X		D80/C80
684956		X		D63/D20/D63
684957		X		D63/D20/D63
684955			X	D63/D20
684954			X	D63/D20
684956			X	D50/C63/D50
684957			X	D50/C63/D50

Cat. No.	Diffuser/Wireguard None	Diffuse	Wireguard	Photometric C0/C90
684960				TBA
684962				TBA
684968				TBA
684969				TBA
684964	X			D80/D25
684965	X			D80/D25
684966	X			D80/D25/D80
684967	X			D80/D25/D80
684964		X		D80/D25
684965		X		D80/D25
684966		X		D63/C80/D80
684967		X		D63/C80/D80
684964			X	D80/D25
684965			X	D80/D25
684966			X	D63/D80/D63
684967			X	D63/D80/D63

Emergency Lighting Spacing Table

	Mounting Height (metres)														
	2.1	**2.4**	**2.7**	**3**	**3.3**	**3.6**	**4**	**4.5**	**5**	**6**	**7**	**8**	**9**	**10**	**15**
D20	13.1	13.6	14.1	14.5	14.8	15.1	15.5	15.8	16.1	16.4	16.3	16.0	15.4	14.5	-
D50	18.0	18.7	19.4	20.1	20.7	21.2	21.8	22.5	23.2	24.2	24.9	25.4	25.7	25.9	23.7
D63	19.0	20.0	21.0	22.0	22.0	23.0	24.0	25.0	25.0	26.0	27.0	28.0	29.0	29.0	28.0
D80	21.0	22.0	22.8	23.6	24.3	25.0	25.8	26.7	27.5	28.9	30.0	30.9	31.6	32.1	32.4
C63	11.9	12.8	13.5	14.2	14.9	15.5	16.2	17.1	17.9	19.2	20.3	21.2	22.0	22.5	22.9
C80	12.7	13.5	14.4	15.1	15.8	16.5	17.3	18.3	19.1	20.7	22.0	23.0	23.9	24.7	26.1

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Weatherproof battens
Emergency lights

Accessories
Emergency lighting

2225 64

Fluorescent luminaires weatherproof IP 65
Body is moulded in durable polyester reinforced with fibreglass, and is weather and corrosion resistant. The diffuser is made from tough polycarbonate, electronic ballast helps ensure cool operation. Test switch is located internally. Fluorescent luminaires units can be wall or ceiling mounted. Consult Legrand regarding aerial orientation if Axiom luminaires are to be wall mounted. Stainless steel clips are now provided on all models.

Pack	Cat No.	SPUs	Prod code
		Standard T8 Electronic ballast	
		NiCd variable rate charge (Rate 320-200 mA)	
1	2225 72	Maintained 1 x 18 watt	WES118EM
1	2225 73	Non-maintained1 x 18 watt	WES118N
1	2225 74	Maintained 2 x 18 watt	WES218EM
1	2225 75	Sustained 2 x 18 watt	WES218ES
1	2225 70	Maintained 1 x 36 watt	WES136EM
1	2225 71	Non-maintained 1 x 36 watt	WES136N
1	2225 76	Maintained 2 x 36 watt	WES236EM
1	2225 59	Sustained 2 x 36 watt	WES236ES
		Standard T5 Electronic Ballast	
		NiCd variable rate charge (Rate 320-200 mA)	
1	6849 00	Maintained 1 x 28 watt	WES128EM
1	6849 01	Non-maintained 1 x 28 watt	WES128N
1	6849 02	Maintained 2 x 28 watt	WES228EM
1	6849 03	Sustained 2 x 28 watt	WES228ES
1	6849 05	Maintained 1 x 35 watt	WES135EM
1	6849 06	Non-maintained1 x 35 watt	WES135N
1	6849 07	Maintained 2 x 35 watt	WES235EM
1	6849 08	Sustained 2 x 35 watt	WES235ES

		Computer monitored SPUs	Prod code
		AXIOM Wireless T8 Electronic ballast	
		NiCd two rate charge	
		(High rate 400 mA, Low rate 70-100 mA)	
1	6822 90	Maintained 1 x 18 watt	AXWED118EM
1	6822 91	Non-maintained 1 x 18 watt	AXWED118N
1	6822 92	Maintained 2 x 18 watt	AXWED218EM
1	6822 87	Sustained 2 x 18 watt	AXWED218ES
1	6822 89	Maintained 1 x 36 watt	AXWED136EM
1	6822 72	Non-maintained 1 x 36 watt	AXWED136N
1	6822 93	Maintained 2 x 36 watt	AXWED236EM
1	6822 94	Sustained 2 x 36 watt	AXWED236ES
		AXIOM Wireless T5 Electronic ballast	
		NiCd two rate charge	
		(High rate 400 mA, Low rate 70-100 mA)	
1	6849 10	Maintained 1 x 28 watt	AXWED128EM
1	6849 11	Non-maintained 1 x 28 watt	AXWED128N
1	6849 12	Maintained 2 x 28 watt	AXWED228EM
1	6849 13	Sustained 2 x 28 watt	AXWED228ES
1	6849 15	Maintained 1 x 35 watt	AXWED135EM
1	6849 16	Non-maintained 1 x 35 watt	AXWED135N
1	6849 17	Maintained 2 x 35 watt	AXWED235EM
1	6849 18	Sustained 2 x 35 watt	AXWED235ES

Pack	Cat No.	Accessories for IP65 weatherproof battens
		Accessories for T8 IP65 weatherproof battens
1	2004 73	Replacement diffuser c/w body casing 1 & 2 x18W
1	2004 72	Replacement diffuser c/w body casing 1 x 36W
1	2004 76	Replacement diffuser c/w body casing 2 x 36W
1	2004 50	S/S clips for T8 weatherproof battens
		Accessories for T5 IP65 weatherproof battens
1	6849 25	Spare SS clips 28W (8)
1	6849 26	Spare SS clips 35W (10)
1	2010 58	Commander Comms Cable
1	6849 24	Battery pack for WP35W

		Nickel-Cadmium (NiCd) batteries	
		Slim battery pack "D" type	
1	2019 87	2 cell (ex 2220 22)	BPS42
1	2220 23	3 cell	BPS43
1	2220 24	4 cell	BPS44
1	2015 59	5 cell (ex 2211 23)	BPS45
1	2220 26	6 cell	BPS46
		Wide battery pack "D" type	
1	2220 27	3 cell	BPW43
1	2220 28	4 cell	BPW44
1	2220 29	5 cell	BPW45
1	2220 30	6 cell	BPW46
1	2220 25	10 cell	BPW410H
		Slim battery pack "Sub C" type	
1	6848 74	5 cell replacement for LED sat	

NOTE: When an Axiom fitting is used on a Commander network, a communications cable Cat No 2010 58 must be used and ordered separately.

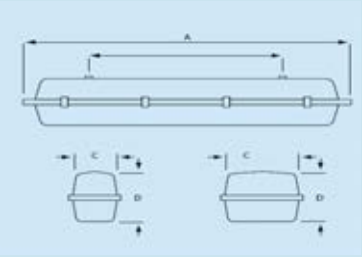
NOTE: Batteries must be disposed of in accordance with the applicable waste disposal guidelines. For further details visit http://www.environment.nsw.gov.au

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

T5 and T8 weatherproof battens
Emergency lights

Technical Specifications

	Standard	Computer monitored
Battery	T8 18W: NiCd 3x 1.2V "D" Cell - 4Ah	
	T8 36W: NiCd 4x 1.2V "D" Cell - 4Ah	
	T5 28W: NiCd 5x 1.2V "D" Cell - 4Ah	
	T5 35W: NiCd 6x 1.2V "D" Cell - 4Ah	
Charging Mechanism	Variable rate charge	Dual Rate Charge
Charging Current	300mA - 200mA	HRC: 340-260mA - LRC:80-100mA
Operating Voltage	240V a.c. +/- 6% 50Hz	
Diffuser	Fire retardant, high impact, UV resistent clear Polycarbonate	
Body	Moulded grey ABS	
Operating temperature	10°C to +40˚C	
IP Rating	IP65	
Replacement battery	T8 18W: NiCd Cat No 222023	
	T8 36W: NiCd Cat No 222028	
	T5 28W NiCd Cat No: 201559	T5 28W NiCd Cat No: HB00024TA
	T5 35W Cat No 222026	



	Dimensions (mm)			
T8	**A**	**B**	**C**	**D**
1 x 18W	666	230	100	108
1 x 36W	1276	836	100	108
2 x 18W	666	230	170	108
2 x 36W	1276	836	170	108
T5	**A**	**B**	**C**	**D**
1 x 28W	1275	892	155	88
1 x 35W	1578	966	98	100
2 x 28W	1275	892	155	88
2 x 35W	1578	966	158	100

Emergency Lighting Classification

Cat No	Product Code	Photometric	Cat No	Product Code	Photometric
222559	WES236ES	D40/C50/D50	**684900**	WES128EM	D63/D20
222570	WES136EM	D50/C40	**684901**	WES128N	D63/D20
222571	WES136N	D50/C40	**684902**	WES228EM	D50/C80/D80
222572	WES118EM	D32/C40/D40	**684903**	WES228ES	D50/C80/D80
222573	WES118N	D32/C40/D40	**684905**	WES135EM	D100/C80
222574	WES218EM	D32/C32/D40	**684906**	WES135N	D100/C80
222575	WES218ES	D32/C32/D40	**684907**	WES235EM	D63/D25/D100
222576	WES236EM	D40/C50/D50	**684908**	WES235ES	D63/D25/D100
682272	AXWED136N	D50/C40	**684910**	AXWED128EM	D63/D25/D63
682287	AXWED218ES	D32/C40/D40	**684911**	AXWED128N	D63/D25/D63
682289	AXWED136EM	D50/C40	**684912**	AXWED228EM	D80/D25/D50
682290	AXWED118EM	D40/D16	**684913**	AXWED228ES	D80/D25/D50
682291	AXWED118N	D40/D16	**684915**	AXWED135EM	TBA
682292	AXWED218EM	D32/C40/D40	**684916**	AXWED135N	TBA
682293	AXWED236EM	D32/C63/D63	**684917**	AXWED235EM	TBA
682294	AXWED236ES	D32/C63/D63	**684918**	AXWED235ES	TBA

Emergency Lighting Spacing Table

	Mounting Height (m)														
	2.1	**2.4**	**2.7**	**3**	**3.3**	**3.6**	**4**	**4.5**	**5**	**6**	**7**	**8**	**9**	**10**	**15**
D16	12.1	12.6	13.0	13.3	13.6	13.9	14.1	14.6	14.6	14.6	14.4	13.8	12.9	11.5	
D25	14.2	14.7	15.3	15.7	16.1	16.5	16.9	17.3	17.7	18.1	18.3	18.2	17.9	17.3	7.7
D32	15.4	16.1	16.7	17.2	17.6	18.0	18.5	19.1	19.5	20.2	20.6	20.7	20.6	20.4	14.6
D50	18.0	18.7	19.4	20.1	20.7	21.2	21.8	22.5	23.2	24.2	24.9	25.4	25.7	25.9	23.7
D63	19.0	20.0	21.0	22.0	22.0	23.0	24.0	25.0	25.0	26.0	27.0	28.0	29.0	29.0	28.0
D80	21.0	22.0	22.8	23.6	24.3	25.0	25.8	26.7	27.5	28.9	30.0	30.9	31.6	32.1	32.4
D100	22.7	23.7	24.6	25.5	26.3	27.0	27.9	28.9	29.8	31.4	32.7	33.7	34.6	35.3	35.6
C40	10.6	11.3	12.0	21.6	13.1	13.6	14.3	15.0	15.6	16.6	17.4	17.9	18.3	18.5	16.2
C63	11.9	12.8	13.5	14.2	14.9	15.5	16.2	17.1	17.9	19.2	20.3	21.2	22.0	22.5	22.9
C80	12.7	13.5	14.4	15.1	15.8	16.5	17.3	18.3	19.1	20.7	22.0	23.0	23.9	24.7	26.1

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

For emergency signs and luminaires

Legrand personnel will be pleased to assist you if you have any questions about which type to use.

Non-maintained mode

Definition:
A luminaire in which all the emergency lamps are in operation only when the normal mains supply fails, ie the lamps are normally OFF when the mains supply is on, and come ON in emergency mode when the mains supply fails.

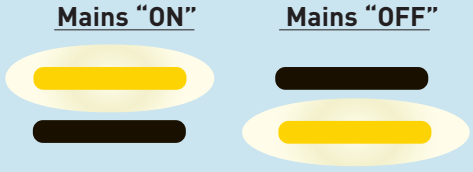
Maintained mode

Definition:
A luminaire in which all the emergency lamps are in operation at all times, ie the lamps are ON when the mains supply is ON, and remain ON in emergency mode when the mains supply fails.

Sustained mode

Combined Non-maintained (Sustained)

Definition:
An emergency luminaire containing two or more lamps, at least one of which is energised from a non maintained emergency lighting supply. The remaining lights are energised and lit from the normal mains supply.
Usually, one lamp is ON when the mains supply is on, and the other lamp will come ON only when the mains supply fails



NOTE: For additional information refer to Standards Australia www.standards.org.au

■ Standards AS2293.1

Summary

- Pictographs replace the word "EXIT" for exit sign legend.
- New rules for viewing distance.
- New requirements are not retrospective.
- 4 sizes of exit signs are now recommended

When and where?

New pictographs are to be adopted as part of new BCA, upon approval of building certifiers, and with respect of different states interpretation.

■ Pictographs

A moving person known as "Running Man" is used to indicate exit sign. 3 variations cover all possibilities:

Straight on from here

Right Exit

Left Exit

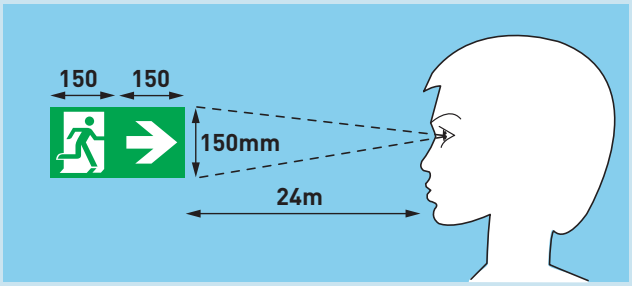
- For theatres, special green on black is still accepted. Use of the Double arrows is no longer permitted.

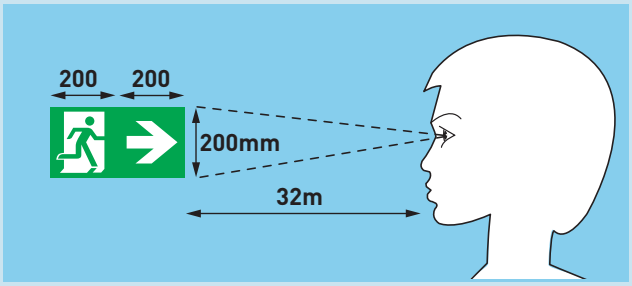
NOTE: Exit signs bearing "EXIT" are still to be used in N.Z.

■ Viewing Distance

The standard define viewing distance in relation to the sizes of the pictograph and the arrow.

Accepted standard sizes:





LED polycarbonate satellite series
Emergency lights

684850

684875

684878

LED Satellite Range
Suitable for all applications.
Energy efficient design, consume less than 1W in stand by mode (SPU),
Elegant and unobtrussive with 4 different dish sizes to suit new and existing installations.
Two rate charge battery mechanism for optimum battery performance.

Pack	Cat No	
		Polycarbonate SPUs
		LED Premium
		1 x HB LED, extra low stand-by power consumption (less than 1 W)NiCd dual rate charge (HRC: 150mA - LRC: 40mA)
1	684850	Satellite LED with Flex and Plug D40
1	684855	Satellite LED with Flex and Plug D25
1	684852	Satellite LED with Flex and Plug Black
1	684853	Satellite LED Surface mount
1	684854	Satellite LED Surface mount Black
1	684875	Satellite LED IP65 Surface Mount
1	684878	Satellite LED IP65 Surface Mount for Freezer to -25ºC*

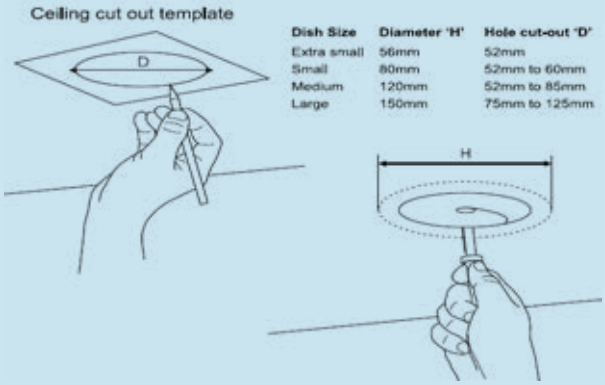
		Computer Monitored SPUs
		LED Premium
		Axiom Wireless/Commander Wired
		1 x HB LED, extra low stand-by power consumption (less than 1.5 W) NiCd dual rate charge (HRC: 150mA - LRC: 40mA)
1	684860	Satellite LED with Flex and Plug
1	684862	Satellite LED with Flex and Plug Black
1	684863	Satellite LED Surface mount
1	684864	Satellite LED Surface mount Black
1	684879	Satellite LED IP65 Surface Mount
1	684880	Satellite LED IP65 Surface Mount for Freezer to -25ºC*

		Accessories
1	684870	LED Satellite three dish sizes Kit (80, 120, 150mm)
1	684871	LED Satellite three dish sizes Kit Black (80, 120, 150mm)
1	684874	Battery Pack for LED Satellite

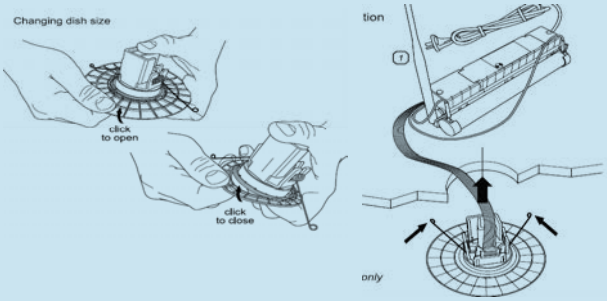
*Dish only

LED polycarbonate satellite series
Emergency lights - Dimensions

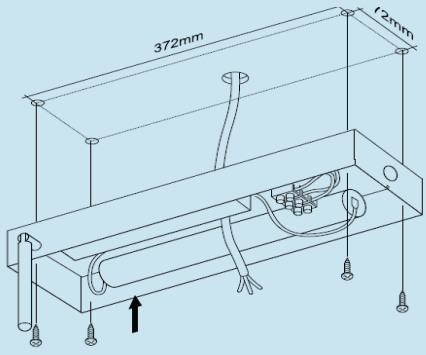
Product Installation and dimensions

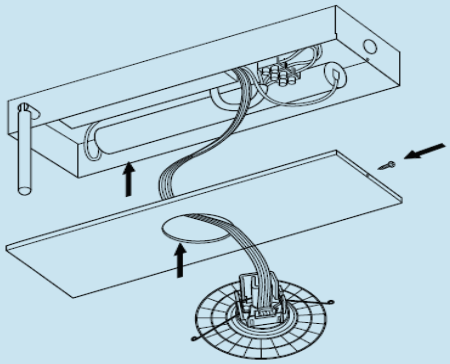


Dish Size	Diameter 'H'	Hole cut-out 'D'
Extra small	56mm	52mm
Small	80mm	52mm to 60mm
Medium	120mm	52mm to 85mm
Large	150mm	75mm to 125mm



Surface mount satellite
Box dimension 436mm x 135mm x 53mm





Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

LED polycarbonate satellite series
Emergency lights

Technical Specifications

Product specifications		
Cat. no.	684850	684860
Type	SPU	AXIOM/Commander
Lamp	1 x HBLED	
Battery	NiCd 5 x 1 Sub-C cells linear - 6.0Vdc 1.5Ah	
Charging mechanism	Dual rate charge	
Charging current	150mA (hrc) - 40mA (lrc)	
Operating voltage	240 a.c. +/- 6% 50Hz	
Power consumption	0.95W	1.4W
Body constructions	Polycarbonate white	
Operating temperature	10º to 40º (-25ºC to 40ºC freezer option)	
IP rating	IP20	

Product Dimensions

Dis Size	Dish diameter (mm)	Hole cut-out (mm)	Recommended hole cut out (mm)
Extra small (LED Assy)	56	52	52
Small	80	52 - 60	55
Medium	120	52 - 85	75
Large	150	75 - 125	120

Emergency Lighting Classification

CatNo	Satellite Recess Mount C0/C90	Satellite Recess Mount Black C0/C90	Satellite Surface Mount C0/C90	Surface Mount Black C0/C90	Surface Mount IP65 C0/C90	Surface Mount Freezer C0/C90
684850	D40/D40					
684855	D25/D25					
684852		D40/D40				
684853			D40/D40			
684854				D40/D40		
684875					D25/D25	
684878						D25/D25
684860	D40/D40					
684862		D40/D40				
684863			D40/D40			
684864				D40/D40		
684879					D25/D25	
684880						D25/D25

Emergency Lighting Classification Table

	Mounting Height (m)														
	2.1	2.4	2.7	3	3.3	3.6	4	4.5	5	6	7	8	9	10	15
D25	14.2	14.7	15.3	15.7	16.1	16.5	16.9	17.3	17.7	18.1	18.3	18.2	17.9	17.3	7.7
D40	16.7	17.4	18.0	18.6	19.1	19.6	20.1	20.8	21.3	22.1	22.7	23.0	23.1	23.1	19.4

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Polycarbonate satellite series
Emergency lights

QH Polycarbonate Satellite Range
Standard and Premium polycarbonate dishes with 1x10W G4 Quartz Halogen lamp
Spinning diameter 120mm (medium size)

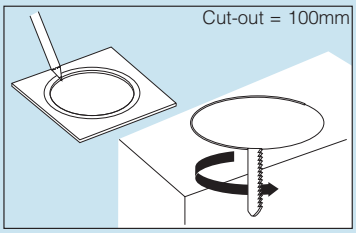
Pack	Cat No	Polycarbonate Spinning SPUs
		Standard
		NiCd variable rate charge with 1x10W QH lamp
1	6820 20	Medium size spinning with flex and plug
1	6820 23	Medium size black spinning with flex and plug
1	6820 22	Medium size spinning surface mount
		Premium
		NiCd dual rate charge with 1x10W QH lamp
1	682120	Medium size spinning with flex and plug
1	682122	Medium size spinning surface mount
1	682123	Medium size spinning surface mount black

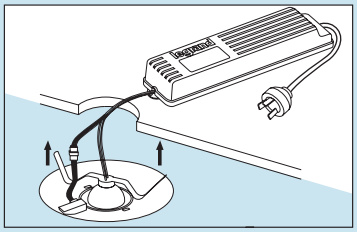
		Computer Monitored - Polycarbonate Spinning SPUs
		Commander Wired
		NiCd dual rate charge with 1x10W QH lamp
1	6822 20	Medium size spinning with flex and plug
1	6822 22	Medium size spinning surface mount
		Axiom wireless
		NiCd dual rate charge with 1x10W QH lamp
1	6822 56	Medium size spinning with flex and plug
1	6822 57	Medium size spinning surface mount

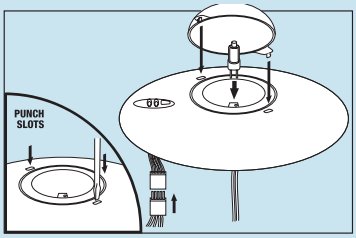
		Accessories
1	200355	6V,10W Quartz-Halogen lamp
1	682345	Clear moulded visor
1	682347	Spinning with lamp holder
1	682248	Spinning black with lamp holder
1	202726	Spinning mounting spring clip

Satellite series polycarbonate spinning
Technical specifications

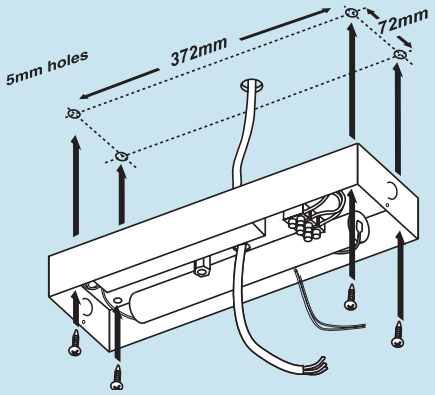
■ Product Installation & Dimensions
Satellite

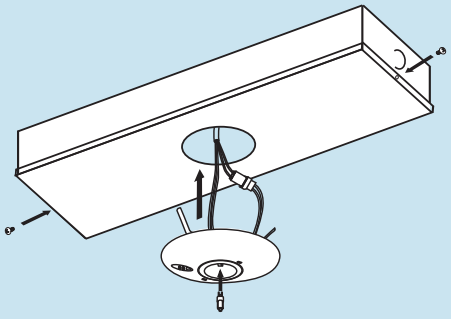






Satellite surface mounted
Dimensions: 436mm x 135mm x 53mm





Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

QH polycarbonate satellite series
Emergency lights

223037

223039

QH Metal Satellite Range
Standard and Premium metal dishes with 1x10W G4 Quartz Halogen lamp. Spinning diameter 117mm or 140mm (medium or large size)

Pack	Cat No	Metal Spinning SPUs
		Standard
		Lead Acid variable rate charge (Rate 360 - 250mA) 1x10W QH lamp
1	2230 36	Medium size metal spinning without flex and plug
1	2230 37	Medium size metal spinning with flex and plug
1	2226 94	Medium size metal spinning surface mount
1	2230 39	Large size metal spinning with flex and plug
		Standard
		NiCd variable rate charge (Rate 360 - 250mA) 1x10W QH lamp
1	2015 25	Medium size metal spinning with flex & plug
1	2018 48	Large size metal spinning with flex and plug
		Premium
		NiCd dual rate charge (HRC: 450mA - LRC: 70mA) 1x10W QH lamp
1	2015 29	Medium size metal spinning with flex & plug
1	204013	Medium size metal spinning with clear visor and flex & plug
1	2040 17	Medium size metal black spinning with clear visor and flex & plug
1	2230 46	Large size metal spinning with flex and plug

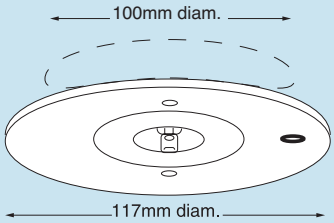
		Computer Monitored-Metal Spinning SPUs
		Commander wired
		NiCd dual rate charge (HRC: 450mA - LRC: 70mA) 1x10W QH lamp
1	2231 52	Large size spinning with flex and plug
1	2231 53	Large size spinning surface mount
		Axiom wireless
		NiCd dual rate charge (HRC: 450mA - LRC: 70mA) 1x10W QH lamp
1	6822 54	Medium size metal spinning with flex & plug
1	6822 55	Large size spinning with flex and plug
1	6822 57	Large size spinning surface mount

		Accessories
1	2003 55	6V,10W Quartz-Halogen lamp
1	2027 53	Battery pack - Lead Acid 12V 5A
1	2019 17	Medium metal spinning
1	2015 26	Medium metal spinning (comp)
1	2230 09	Medium metal spinning + clear visor
1	2230 10	Medium metal spinning + clear visor (comp)
1	2224 99	Large metal spinning
1	2015 10	Large metal spinning (comp)
1	2000 57	Large metal spinning + clear visor
1	2000 74	Large metal spinning + clear visor (comp)

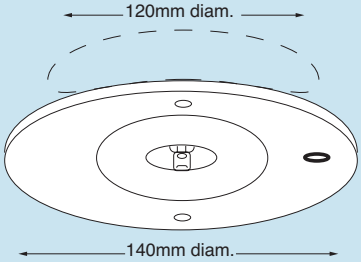
Satellite series, metal spinning
Technical specifications

Product Installation & Dimensions

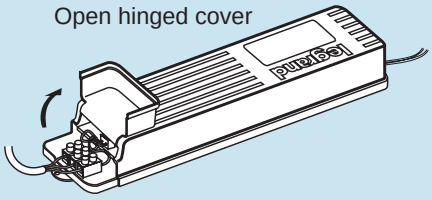
Medium metal spinning

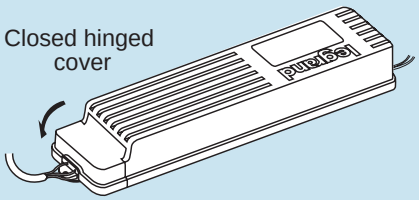


Large metal spinning



Satellite power pack
Dimensions: 370mm (W) x 60mm (H) x 85mm (D)





Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Satellite series, polycarbonate and metal spinning
Emergency lights

Technical Specifications

	Standard	Premium	Computer monitored
Operation Mode	Non-Maintained		
Light source	1 x 10W QH 6V - G4 base		
Battery	LA (Lead Acid range)	NiCd 5x 1.2V "D" Cell - 4Ah	
	NiCd (NiCd Range)		
Charging Mechanism	Variable rate charge	Dual Rate Charge	
Charging Current	LA: 340mA - 240mA	HRC: 450mA - LRC:70-100mA	
	NiCd: 340mA - 240mA		
Operating Voltage	240V a.c. +/- 6% 50Hz		
Power Consumption	LA: 1W Stand-by	2W Stand-by	
	NiCd: 2W stand-by		
Body Constructions	Fire retardant, high impact, UV resistent white Polycarbonate		
Spinning Construction	Polycarbonate Range: Fire retardant, high impact, UV resistent white Polycarbonate		
	Metal Range: White powder coated steel		
Operating temperature	10°C to +40˚C		
IP Rating	IP20		
Replacement battery	LA: CatNo 2027 53	NiCd: Cat No 201559	
	NiCd: Cat No 201559		

Product Dimensions

Dish Size	Dish diameter (mm)	Hole cut-out (mm)	Recommended hole cut out (mm)
Medium	117	95-105	100
Large	140	115-125	120

Product Classification

CatNo	Satellite Recess Mount C0/C90	Satellite Surface Mount C0/C90	Satellite + Visor (682345) C0/C90
Polycarbonate Spinning			
682020	D16/D16		
682022		D16/D16	
682120	D20/D20		D16/D16
682122		D20/D20	
682220	D20/D20		D16/D16
682222		D20/D20	
682256	D20/D20		
682257		D20/D20	
Metal Spinning			
223036	D16/D20		
222694		D16/D20	
223152	D20/D16		
223153		D20/D16	
682254	D20/D16		
682255		D20/D16	

Emergency Lighting Classification Table

	Mounting Height (m)														
	2.1	2.4	2.7	3	3.3	3.6	4	4.5	5	6	7	8	9	10	15
D16	12.1	12.6	13.0	13.3	13.6	13.9	14.1	14.6	14.6	14.6	14.4	13.8	12.9	11.5	-
D20	13.1	13.6	14.1	14.5	14.8	15.1	15.5	15.8	16.1	16.4	16.3	16.0	15.4	14.5	-
D25	14.2	14.7	15.3	15.7	16.1	16.5	16.9	17.3	17.7	18.1	18.3	18.2	17.9	17.3	7.7
D40	16.7	17.4	18.0	18.6	19.1	19.6	20.1	20.8	21.3	22.1	22.7	23.0	23.1	23.1	19.4

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Oyster fitting
Emergency lights
Technical specifications

682143

Oyster fitting
Range of emergency and non-emergency Oyster fitting.
Available in white colour housing and supplied with opalescent acrylic diffuser.
Also available a weatherproof IP55 version in black colour.
Oysters can be installed either wall or ceiling mount.

Pack	Cat No.	SPU's
		Standard
		NiCd variable rate charge. (Rate 320 - 200mA)
1	6821 42	Maintained/Non-maintained 1 x 26W CFL
1	6821 43	Maintained/Non-maintained Black 1 x 18W CFL IP 55
		Computer Monitored SPUs
		Axiom Wireless/Commander Wired
		NiCd dual rate charge (HRC: 420-220mA - LRC: 120-90mA)
1	6822 44	Maintained/Non-maintained 1 x 26W CFL
1	6822 46	Maintained/Non-maintained Black 1 x 18W CFL IP55
		Non-emergency
1	C26A	White Oyster 1 x 26W CFL (to suit 6821 42 / 682244)
		Accessories
1	2220 24	Battery Pack
1	2010 58	Commander Communications cable
1	AE32DIFF	Replacement diffuser for white Oyster

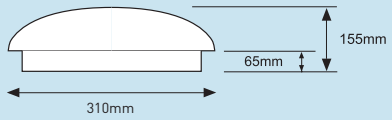
Note1: For non-emergency weatherproff Oyster fitting please contact Legrand office

Note2: When an Axiom fitting is used on a Commander network, a communications cable Cat No 2010 58 must be used and ordered separtely

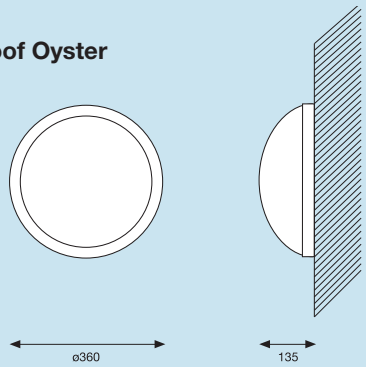
Oyster fitting
Emergency lights
Technical specifications

Product Installation & Dimensions

White Oyster



Weatherproof Oyster



Technical Specifications

	Standard	Computer monitored
Operation Mode	Maintained/Non-Maintained	
Light source	White: 26W PLC WP: 18W PLC	
Battery	NiCd 4 x 1 D Cell - 4.8Vdc 4.5Ah	
Charging Mechanism	Variable rate charge	Dual Rate Charge
Charging Current	320mA - 200mA	HRC: 420mA - 220mA
Operating Voltage	240V a.c. +/- 6% 50Hz	
Body Constructions	White: Circular mild steel WP: Circular cast aluminium	
Diffuser	White: Dished moulded opalescent acrylic WP: Dished moulded opalescent polycarbonate	
Operating temperature	10°C to +40˚C	
Emergency Lighting Classification	White: D20/D20 WP: D10/D10	White:D25/D25 WP: D10/D10
IP Rating	WP: IP55 White: IP20	
Replacement battery	WP: Cat No 222028 White: CatNo 222024	

Emergency Lighting Classification Table

	Mounting Height (m)								
	2.1	2.4	2.7	3	3.3	3.6	4	4.5	5
D10	10.2	10.6	10.9	11.1	11.3	11.4	11.5	11.6	11.6
D20	13.1	13.6	14.1	14.5	14.8	15.1	15.5	15.8	16.1
D25	14.2	14.7	15.3	15.7	16.1	16.5	16.9	17.3	17.7

Emergency lights
Power packs T5 and T8

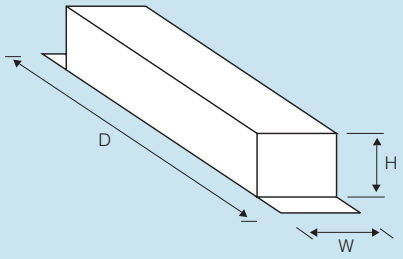
6640 51

Power packs
Contains an electronic inverter and nickel cadmium batteries. 1.2V cells rated at 70°C. Power packs are for fluorescent or tungsten halogen 6 volt 10 watt incandescent lamp. Self-contained emergency power packs are to upgrade existing fluorescent luminaires for appliance with statutory safety regulations. The electronic control pack is supplied in new slimline profile metal can with: only 32mm height to suit low profile design version. Cater for most applications light fitting into a emergency light fitting in a non-maintained, maintained or sustained mode. Battery pack is supplied in slim version.

Pack	Cat No.	SPU's	Prod code
		Standard	
		NiCd variable rate charge	
		(Rate 320 – 200 mA)	
		Fluorescent lamp – electronic or conventional ballast compatible. Supplied with Red LED:	
		Continuous glow indicates 240V AC power connected.	
1	6640 50	18 watt - T8	EPP3D18FES
1	6640 51	36 watt - T8	EPP4D36FES
1	6820 58	58 watt - T8	EPP558FS
1	6820 59	58 watt - T8 Electronic ballast	EPP558FES
1	6640 53	14 watt - T5 NEW	EPPD14FES
1	6640 54	28 watt - T5	EPP5D28FES
1	6640 55	35 watt - T5	EPP6D35FES
		Premium	
		NiCd two rate charge	
		(High rate 400 mA, Low rate 70-100 mA)	
1	2225 49	6 Volt 10 Watt	UPP5-IS
		Fluorescent lamp – Conventional ballast T8	
1	2013 22	18 watt	UPP318FS
1	6821 20	36 watt	UPP436FS
1	6821 58	58 watt	UPP558FS
		Computer monitored SPU's	
		COMMANDER wired	
		NiCd two rate charge	
		(High rate 400 mA, Low rate 70-100 mA)	
		Fluorescent lamp – Conventional or electronic ballast - T8	
1	2013 87S	18 watt maintained	COM18MS
1	2013 89S	36 watt maintained	COM36MS
1	6822 58	58 watt maintained	COM58MS
		Fluorescent lamp - electronic ballast - T5	
1	6822 52	28 watt T5	COM 28T5HEMS
1	6822 53	35 watt T5	COM 35T5HEMS
		AXIOM wireless	
		NiCd two rate charge	
		(High rate 400 mA, Low rate 70-100 mA)	
		Fluorescent lamp – Conventional or electronic ballast - T8	
1	6822 13	18 watt maintained / sustained	AX18MPP
1	6822 15	36 watt maintained / sustained	AX36MPP
1	6822 16	58 watt maintained / sustained	AX58MPP
		Fluorescent lamp - electronic ballast - T5	
1	6822 51	14 watt T5 maintained	AX14MPP
1	6822 17	28 watt T5 maintained	AX28MPP
1	6822 18	35 watt T5 maintained	AX35MPP
1	6822 19	49 watt T5 maintained	AX49MPP

OEM bulk pack available on request.

Emergency lights
Power packs T5 and T8
Technical specifications



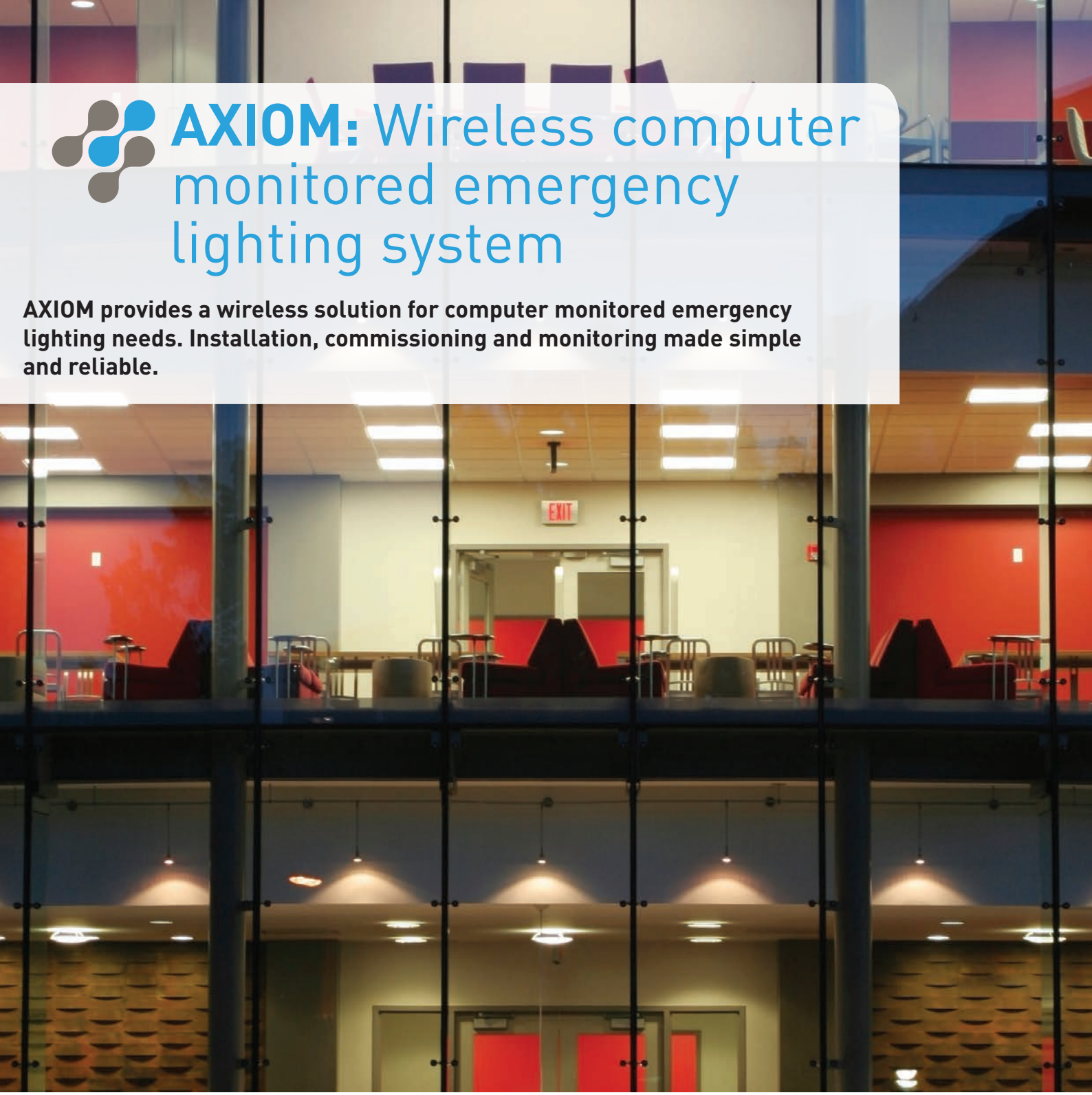
Power Pack Cat No	Can Dimensions W x H x D	Replacement Battery
6640 50	48mm x 32mm x 225mm	2220 23
6640 51		2220 24
6820 58		2015 59
6820 59		2015 59
6640 54	31mm x 31mm x 344mm	2015 59
6640 55		2220 26
2013 22	40mm x 43mm x 225mm	2220 23
2013 20		2220 24
6821 58		2015 59
2013 87S	40mm x 43mm x 278mm	2220 23
2013 89S		2220 24
6822 58		2015 59
6822 52		2015 59
6822 53		2220 26
6822 13		2220 23
6822 15		2220 24
6822 16		2015 59
6822 51		2220 23
6822 17		2015 59
6822 18		2220 26
6822 19		2220 26

Replacement Battery Cat. No.	No. of 'D' cells	Battery Dimensions W x H x L (mm)
2220 23	3	35 x 35 x 210
2220 24	4	35 x 35 x 270
2015 59	5	35 x 35 x 330
2220 26	6	35 x 35 x 409

Disclaimer - Compliance to the relevant requirements of Australian electrical safety standards AS/NZS60598, emergency lighting standards AS2293 and EMC regulations are the responsibility of the manufacturer of the final fitting.

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Notes



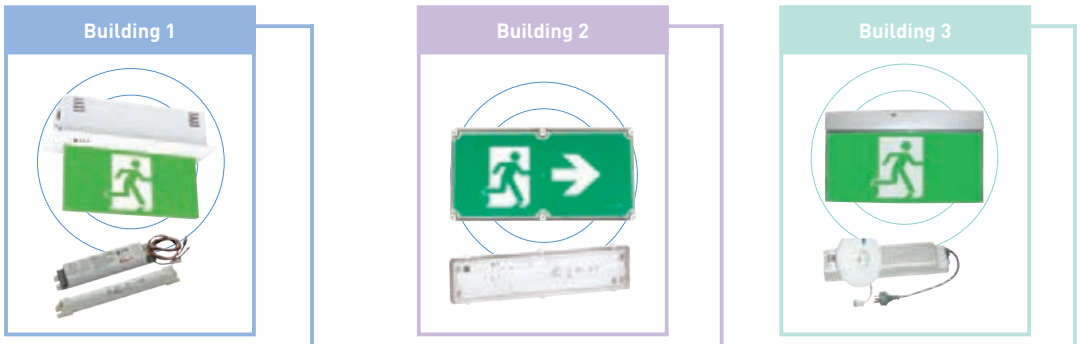
AXIOM: Wireless computer monitored emergency lighting system

AXIOM provides a wireless solution for computer monitored emergency lighting needs. Installation, commissioning and monitoring made simple and reliable.

THEY HAVE SPECIFIED AND INSTALLED LEGRAND PRODUCTS:

Auckland University: Auckland | New Zealand
Central Plaza: Brisbane | Qld
Darwin Entertainment Centre: Darwin | NT
80 Collins St: Melbourne | Vic
Digital Harbour: Melbourne | Vic
Tauranga Hospital: Tauranga | New Zealand

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.



AXIOM ARCHITECTURE

- PC
- CIU – Communication Interface Unit
- Multiple WAC's (Wireless Controller): one per area, eg. each level
- SPU's – Single Point Unit

LEGRAND BENEFITS

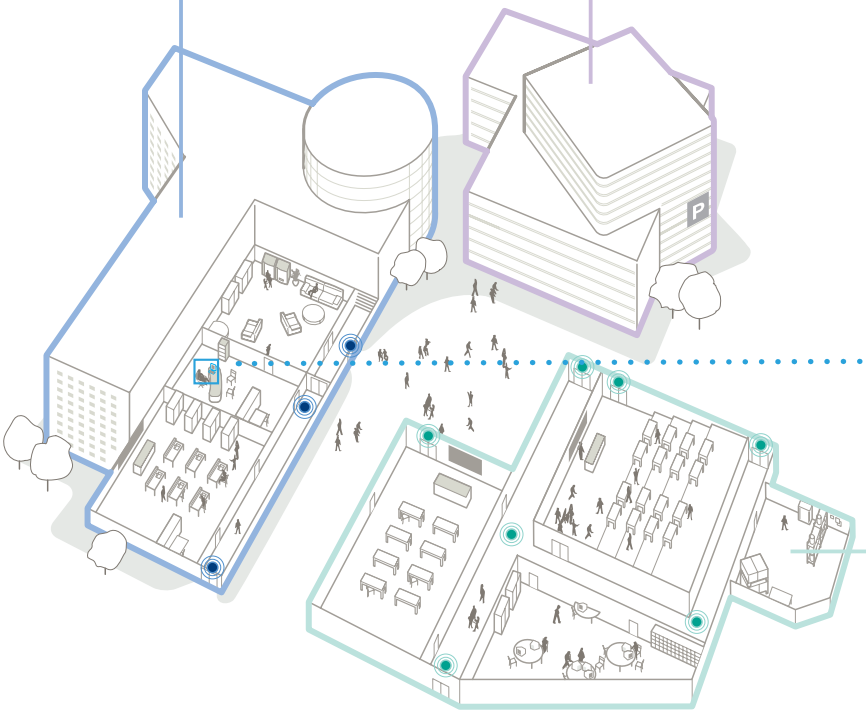
1 – Perfect for small to large installations.
2– Less cost for less cable.
3 – Installation without restrictions.
4 – Backward compatability to commander.
5 – Proven Performance of Radio Frequency (RF).

WAC - WIRELESS AREA CONTROL

Compact, wall-mounted device for the collection and storage of local branch SPU status. The WAC must be hard-wired in a daisy chain from the control PC to other WACs. It communicates to SPUs via radio frequency or may be hard-wired.

SPU - SINGLE POINT UNIT

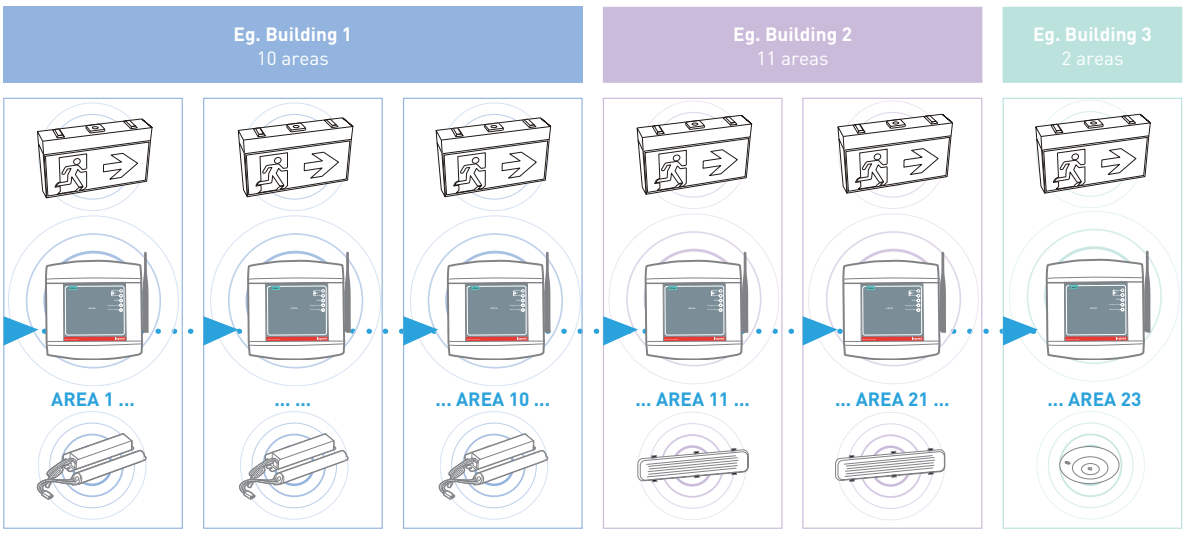
Emergency light designed to operate from mains and from internal rechargable batteries. It is equipped with a small antenna for communication with its local monitoring system.



TESTING

Monitor the status of all Single Point Units (SPUs) from one central location. With an unlimited number of areas per building, each area consists of one WAC and up to 60 SPUs. Once commissioned, data is regularly collected, updated and printed through the PC, via Cat5 cable.

Connection via dedicated or ethernet Cat5 cable



Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

AXIOM computer and software
Testing systems

6822 99

Pack	Cat No.	Aegis system software	Prod code
		Enables a system control computer to co-ordinate the testing and reporting of the emergency lighting system Database contains key information including detailed physical location, zone, circuit, product type and performance status/history. Graphic of each item assists in product identification. Software allows import of floor plan and drag-and-drop placement of SPU and Area controllers for ease of identification, installation and maintenance Software features visualisation of wireless links and also supports Aegis8 databases Emergency lighting discharge tests are contained in a logbook designed to comply with AS/NZ regulations.	
1	6822 99	Aegis 9 system software - AXIOM Wireless Aegis 9 has been developed with a higher level of functionality for AXIOM wireless systems.	AX-Soft

		Control computer	
		Dedicated PC for the retrieval, storage and analysis of emergency lighting status information. Communicates with Area Controllers via RS485 interface (CIU) over the emergency lighting backbone. Printer is included to provide hard copy of test required in local regulations.	
1	2223 43	Personal Computer	AX-PC
1	2231 85	Central Interface Unit (RS232:RS485)	COM-CIU

NOTE: Axiom control items are also applicable to Commander installations.

A Commander SPU communications cable (Cat No 201058) must be used and ordered separately when installing an Axiom fitting on a Commander network.

AXIOM Wireless Area Controller
Testing systems

6822 98

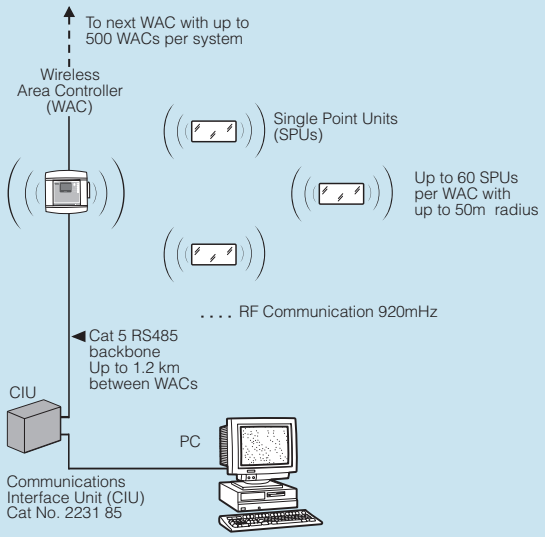
Pack	Cat No.	Wireless Area Controller	Prod code
		Intelligent device networked over an RS485 backbone to other Area Controllers and the Control Computer. A variety of RJ sockets provided for trunk and branch connection using Cat 5 or legacy cabling systems. Able to initiate time-based polling of SPU's and various discharge tests as directed by computer. Monitors a single zone of up to 60 SPU's via RS485 cable, wireless or a combination.	
1	6822 98	Area controller, Axiom or Commander	AX-WAC

		Accessories	
		Data cables	
1	6823 70	Conductor 6 core, flat cable (500m roll)	CAB6C
1	6823 71	Conductor 10 core, flat cable (200m roll)	CAB10C
1	2230 19	Crimping tool	COM-Crimp
1	2010 58	Commander SPU cable	CABLE-TELE
		Cable accessories	
1	6823 72	3 way coupler	T3
1	6823 73	Coupler 6 core cable	C6C
1	6823 74	Coupler 10 core cable	C10C
1	6823 75	6 core modular plug for flat cable	RJ45-6C
1	6823 76	10 core modular plug for flat cable	RJ45-10C
		Network components	
1	6823 77	LAN to RS485 converter	UDS10
1	6823 78	Serial cable for use with UDS10 (9f-25m)	
1	6823 79	Connector for use with UDS10 (9m-9m)	

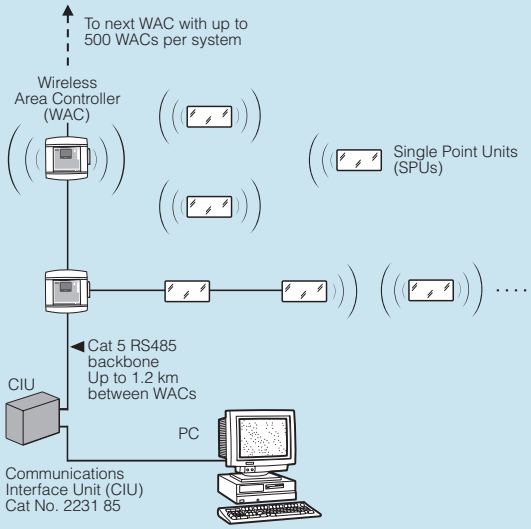
Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

AXIOM installation
and WAC dimensions

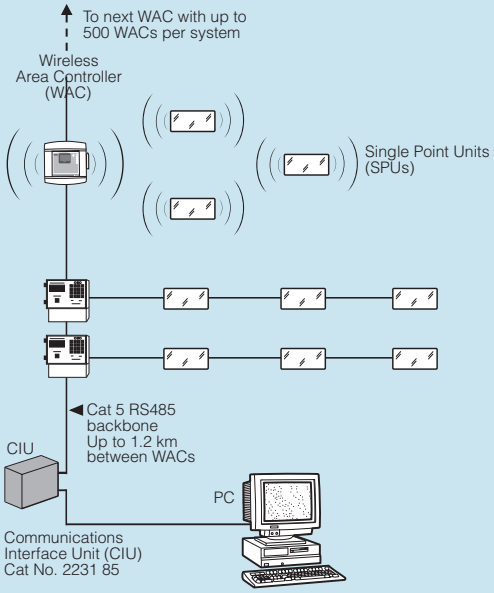
■ Typical Installation



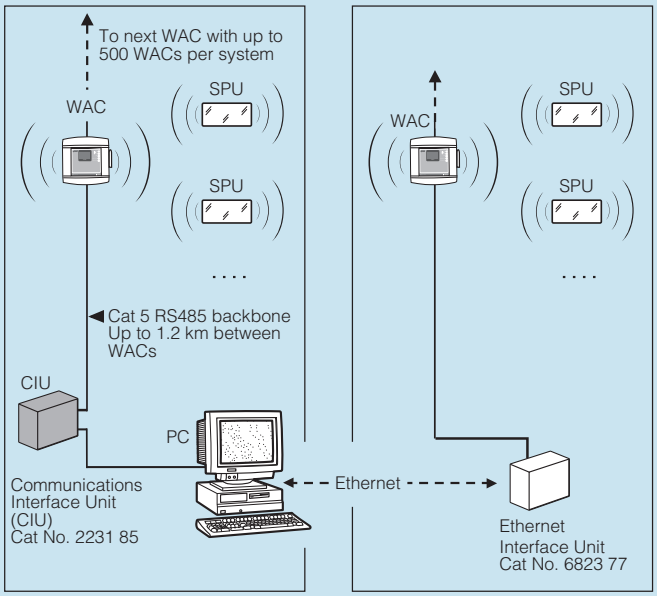
■ Hybrid Installation:
- Where wireless communication is limited



■ Add on Installation:
- Commander / AXIOM
- Extension to existing system

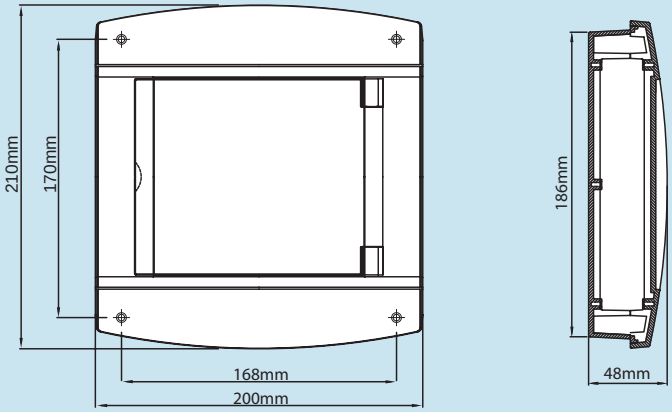


■ Multi-building site



NOTE: See installation & configuration instructions for application advice.

■ WAC dimensions



Test switch and circuit sensing module
Conforms to AS2293.1 Section 4

6820 83

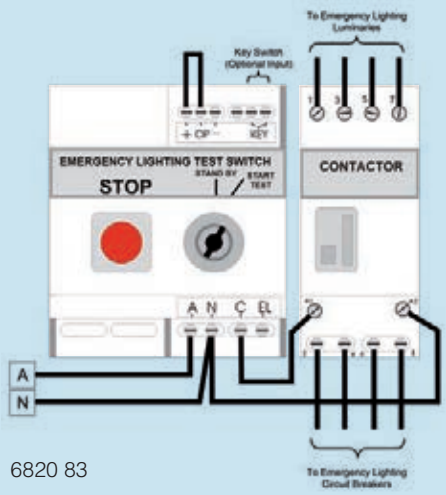
6820 84

6820 85

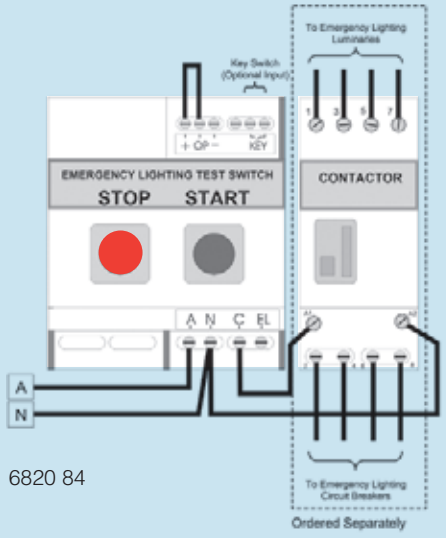
Emergency lighting test switch and sensing module
This unit allows discharge test on emergency lighting installations.
Compact and modular components with labelling facility.
Key switch to initiate discharge test and test in progress indication.
Override test stop function.
Time delay can be set for 2h 15min or 2h 45min.
A power-up time delay of 10 mins can be set to allow discharge lamps to ignite before turning emergency lights off.
Sensing module enables wider activation of emergency lighting circuits in the event of a partial supply failure.

Pack	Cat No.	
		Test switch (Trade)
1	6820 83	Emergency lighting test switch surface mount Performs discharge test in accordance with AS2293.1 Supplied in 6 DIN rail space enclosure with 4 pole 20A contactor 180mm (W) x 190mm (H) x 85mm (D)
		Test switch (OEM)
1	6820 84	Emergency lighting test switch DIN mount Performs discharge test in accordance with AS2293.1. Suitable for switch board builders 72mm (W) x 83mm (H) x 66mm (D)
		Circuit sensing module
1	6820 85	8 lighting circuit sensing module This module constantly monitors up to 8 circuits and activates the test switch, turning all emergency lights on, if one of the circuits drops out 72mm (W) x 83mm (H) x 66mm (D)
		Accessories
1	6820 86	Key switch and barrel

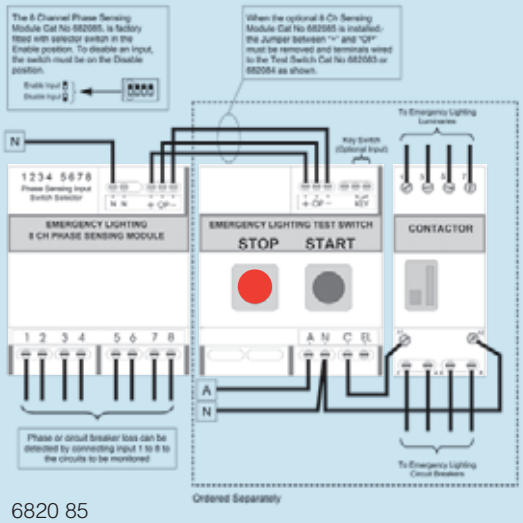
Test switch and circuit sensing module
Conforms to AS2293.1 Section 4



6820 83



6820 84
Ordered Separately



6820 85
Ordered Separately

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Emergency lighting

Functions and spacing rules

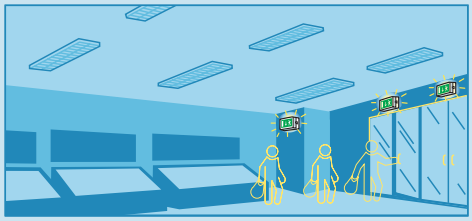
■ **The Emergency Escape Luminaires and Exit Signs should be installed according to the spacing rules and specifications stipulated by the Australian Standards AS2293-2005. The type of buildings and areas within buildings requiring the installation of emergency escape lighting are determined by the Building Code of Australia.**

Emergency lighting categories and functions

Emergency lighting can be classified into two main categories: Emergency Exit Signs and Emergency Escape Lighting.

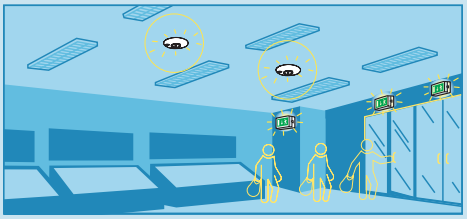
Emergency Exit Signs

Emergency Exit Signs are designed to facilitate the evacuation of occupants in a building by indicating the evacuation path to 'Exit'.



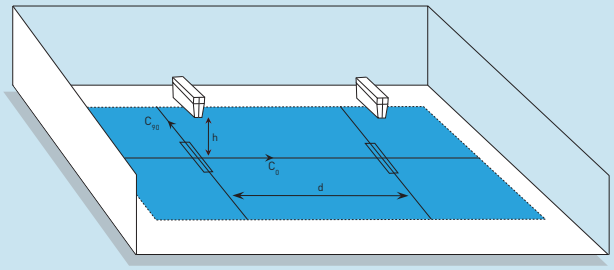
Emergency Escape Lighting

Emergency Escape Lighting provides the lighting to ensure uniform visibility of the egress path for safe evacuation and to minimise the risk of panic.



Spacing rules for Emergency Lighting

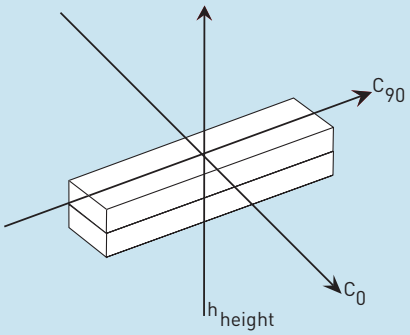
Emergency Lighting spacing rule for the distance between luminaires were designed to provide minimum lighting at floor level to ensure uniform visibility of the egress path. The horizontal spacing between adjacent luminaires is dictated by the maximum spacing tables in accordance to the luminaire classification and mounting height. (refer to AS2293.1-2005 section 5.1)



Examples of spacing rules

Catalogue No: 6862 00
Slide Connect G2
Classification:
C_0: D3.2
C_{90}: A5

Spacing between luminaires on the C_0 plane is calculated as follows:



2) Ceiling Height: h = 2.4m

1) Luminaire Classification

	Mounting height (m)					
Classification	**2.3**	**2.4**	**2.7**	**3**	**3.3**	**3.6**
D2.5	5.8	5.8	5.7	5.6	5.4	5.1
D3.2	6.5	6.6	6.6	6.5	6.4	6.2
D4	7.2	7.3	7.3	7.3	7.3	7.2

3) Spacing between luminaires on the C_0 plane d = 6.6m

Lipso, decorative lighting pilots

Stylish lighting for illuminating safe pathways

Frontal light version

Lateral light version

Signalling mode

Under normal conditions, a decorative element designed to integrate smoothly into any commercial or residential building

Safety mode

In the event of a power cut, a light path is created to guide people to the exit, the perfect complement to emergency lighting

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Lipso safety lighting pilots
Self-contained units

6609 03

6609 11

6609 11 + 6609 45

Self-contained fully back-up lighting pilots
Frontal or lateral lighting
Aluminium colour zamak finish
Class II
Built in power supply direct cabling to 240 V a.c.

LEDS requiring no maintenance as lamp sources:
4 high luminosity long-life colour LEDs (average life time: 100,000 h) for signalling and indicating battery life
3 high luminosity long-life white LEDs for safety lighting

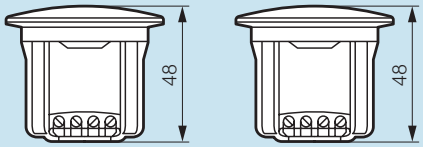
Battery Autonomy: 1 hour
Ni-Cd batteries: 2.4 V - 2/3 AAA
Charging time: 24h
Lumen output: 1.5 lm
Terminals for 2 x 1.5 mm² wires
For installation in their own flush-mounting box, or Ø 60/65 mm box for plasterboard walls

Pack	Cat. No.		Self-contained lighting pilots
	Lateral lighting	Front lighting	240 V a.c. - 50 Hz
			IP 44 - IK 07 White safety lighting, and signalling in:
1	6609 01	6609 11	Blue
1	6609 02	6609 12	White
1	6609 03	6609 13	Red
1	6609 04	6609 14	Green
1	6609 05	6609 15	Amber
			IP 66 - IK 08 White emergency lighting, and signalling in:
1	6609 07	6609 17	Blue
1	6609 06	6609 16	White

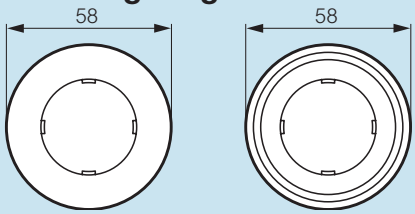
		Accessories
10	6609 41	Flush-mounting box (concrete)
1	6609 42	Attachment kit 78 mm x 78 mm
1	6609 44	Decorative round frame Ø 68 mm
1	6609 45	Decorative square frame 68 mm x 68 mm
1	6609 49	Mounting bracket for plaster walls
1	800 51	Flush-mounting box 50 mm depth (plaster)

Lipso self-contained emergency lighting pilots
Dimensions

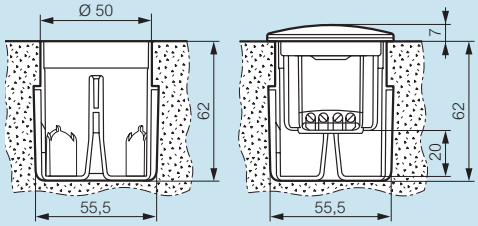
Lipso lateral



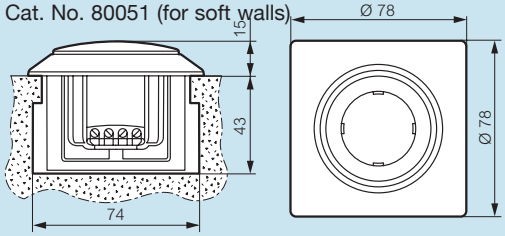
Frontal lighting



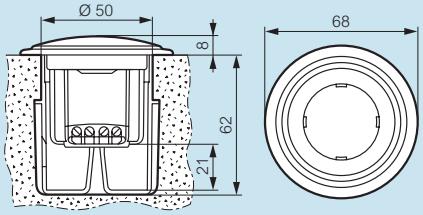
Installation:
Flush-mounting on box Cat.No 6609 41



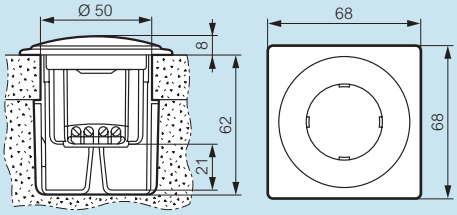
Accessories:
Attachment kit Cat. No. 6609 42 requires flush mounting box Cat. No. 80051 (for soft walls)



Flush-mounting on box Cat.No 6609 41 with round frame Cat.No 6609 44



Flush-mounting on box Cat.No 6609 41 with square frame Cat.No 6609 45



Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Lighting Management

Choose from 3 sensing technologies to ensure there is just the right amount of light when and where you need it

Indoor sensor

Outdoor sensor

Passive infared technology

Passive infrared (PIR) technology senses occupancy by detecting the difference between heat emitted from the human body in motion and background space

Ultrasonic technology

Using the Doppler principle, ultrasonic occupancy sensors work by bouncing ultrasonic sound waves off objects in an area and measuring the time it takes for the waves to return

Dual technology

A combination that takes advantage of the best features of both PIR and ultrasonic technology. Using the Dual Sensing Verification Principle, both sensing technologies must detect occupancy to turn lighting on, while continued detection by one technology will hold lighting on

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Lighting management switch sensors
1 output

488 07

882 35

882 30

488 11

488 10

488 05

Pack	Cat.No.	Ceiling sensors
		Fixed directly to a false ceiling with mounting claws (provided) or installed in Batibox flush-mounting box with depth of 50 mm
		Detection field 45 m²
		Ø 8 m Optimum distance between 2 detectors: 6 m Consumption 0.4 W on standby
1	488 03	PIR ceiling mount switch sensor 360°, occupancy mode, automatic terminal connection All load 8.5 A - 240 V
1	488 01	PIR ceiling mount switch sensor 360°, vacancy & occupancy mode (push-button override or mobile configurator), automatic terminal connection All load 10 A - 240 V
1	488 07	PIR ceiling switch sensor 360°, vacancy & occupancy mode (push-button override or mobile configurator), automatic terminal connection All load 8.5 A - 240 V
		Detection field 90 m²
		Ø 11 m Optimum distance between 2 detectors: 10 m Consumption 0.8 W on standby All load 8.5 A - 240 V
1	488 06	Dual ceiling mount switch sensor 360°, vacancy & occupancy mode (push-button override, or mobile configurator), automatic terminal connection
		Detection field 150 m²
		Ø 14 m Optimum distance between 2 detectors: 12 m Consumption 0.8 W on standby All load 8.5 A - 240 V
1	488 05	US ceiling mount switch sensor 360°, vacancy & occupancy mode (push-button override, or mobile configurator), automatic terminal connection

Pack	Cat.No.	Corner indoor sensors
		Supplied with fixing base
		Detection field 45 m²
		Maximum range 8 m Optimum distance between 2 detectors: 6 m Consumption 0.4 W on standby All load 8.5 A - 240 V
1	488 11	PIR wall mount switch sensor 170°, occupancy mode, automatic terminal connection
1	48813	**Detection field 240 m²** PIR wall mount sensor 140°

Pack	Cat.No.	Outdoor sensors
		Detection field 180 m²
		Maximum range 15 m - IP 55 Consumption 0.4 W on standby All load 8.5 A - 240 V
1	488 10	PIR outdoor switch sensor 270°, vacancy & occupancy mode (push-button override or mobile configurator), automatic terminal connection

		Mobile configurators
		All detectors are pre-set in the factory - lighting threshold: 500 lux false ceiling, 300 lux surface-mounted - time delay: 15 minutes and walkthrough function activated The mobile configurators allow the pre-adjusted settings and the detection sensitivity to be readjusted
1	882 35	Step programming on pre-set buttons
1	882 30	Digital programming to the nearest decimal place Instant programming control Allows the settings of each detector to be displayed Option of putting adjustment settings in the memory and using them for other detectors

		Surface mount boxes
1	488 74	Surface mount box to suit 488 03/07/20
1	488 75	Surface mount box to suit 488 05/21/22

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Lighting management switch sensors
1 output

	Cat. No.		488 03	488 01	488 05	488 06	488 07	488 10	488 11	488 13
MAIN CHARACTERISTICS	Installation type		← false ceiling →					← surface mounting →		
	Operation		ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF
	Type of operation		occupancy	← vacancy & occupancy →					occupancy	Vac & Occ
	Override		-	← Push-buttons or mobile configurators →					-	Push Button or Mob. Con.
	Detector technology		PIR	PIR	US	PIR/ US	PIR	PIR	PIR	PIR
	Power supply		← 240 V/50 Hz →							
	Operating temperature		← -5°C to +45°C →							
	IP		IP 20	IP 20	IP 20	IP 20	IP 20	IP 55	IP 42	IP 42
	Cover L x W		45 m^2	45 m^2	150 m^2	90 m^2	45 m^2	180 m^2	45 m^2	270 m^2
	Diameter at 2.5 m		Ø 8 m	Ø 8 m	Ø 14 m	Ø 11 m	Ø 8 m	Ø 15 m	Ø 8 m	-
	Lux level		← from 1 to 1275 lux →							
	Time delay (mn)		from 20 sec to 30 min	← from 30 sec to 60 min →					← from 20 sec to 30 min →	
FUNCTIONALITY	Audible Alerts		-	yes	yes	yes	yes	yes	-	-
	Walkthrough mode		-	yes	yes	yes	yes	yes	-	-
	Daylighting setting		-	yes	yes	yes	yes	yes	-	yes
ADJUSTMENT	Pre-settings		time delay mini, lux maxi ←			15 minutes 500 lux →		15 minutes 300 lux	time delay mini lux maxi	15 minutes 300 lux
	Trim pot		yes	yes	-	-	-	-	yes	-
	Tool		-	882 35 882 30 ←			882 35 882 30 →		-	882 35 882 30
DIMENSIONS	Weight (g)		114.5	150	159.1	162.2	114.2	205	266.6	266.6
	Connection type		auto terminals	auto terminals	auto terminals	auto terminals	auto terminals	auto terminals	auto terminals	auto terminals
	Depth (mm)	without auxiliaries	52.3	58.97	58.97	58.97	52.3	165.83	115.86	115.86
		with auxiliaries	55.6	62.27	62.27	62.27	55.6			
COMPATIBILITY WITH TYPE OF LIGHT	Halogen light	240 V	2000W	2500 W	2000 W	2000 W	2000 W	2000 W	2000 W	2000 W
	ELV halogen with separate ferromagnetic or electromagnetic transformer	240 V	← 1000 VA →							
	Fluorescent tube	240 V	← 10 x (2 x 36 W) →							
	Fluorescent light with separate ferroagnetic or electronic ballast	240 V	1000 VA	1000 VA	1000 VA	1000 VA	1000 VA	1000 VA	1000 VA	1000 VA
	LED	240 V	500 W	500 W	500 W	500 W	500 W	500 W	500 W	500 W
	Compact fluorescent light with 1-10 V ballasts	240 V	500 W	500 W	500 W	500 W	500 W	500 W	500 W	500 W
	Contactors		← max. W ≤ 2 A →							

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Lighting management room controller
2 outputs

488 50

488 20

488 22

488 23
(directional head)

Pack	Cat. No.	Room controller
		Allows 2 lighting circuits to be controlled in 2 different phases or 1 lighting circuit and 1 A/C circuit Ability to connect the detector(s) and push-button(s) on each circuit Fixed directly to the false ceiling via cable ducting Controller/detector output connection (up to 10 detectors Cat. No. 488 20/21/22/30/24/23) by cord or RJ 45 cable or BUS/SCS cable to be fitted with RJ 45 connector Cat.No 488 72 Power supply 240 V ac
1	488 50	Room controller 2 inputs 2 outputs 16 A

Pack	Cat. No.	Ceiling SCS sensors
		Fixed directly to the false ceiling with mounting claws (supplied) or installed in deep Batibox boxes with depth of 50 mm Connect to 2 circuit controller Cat.No 488 50 by cord or RJ 45 cable or BUS/SCS cable fitted with RJ 45 connector Cat.No 488 72 **Detection field 45 m²** Ø 8 m Optimum distance between 2 detectors: 6 m Consumption 0.2 W on standby All load 10 A - 240 V
1	488 20	PIR ceiling mount switch sensor 360°, vacancy & occupancy mode (push-button override, or IR remote), RJ 45 connection
		Detection field 90 m² Ø 11 m Optimum distance between 2 detectors: 10 m Consumption 0.5 W on standby All load 10 A - 240 V
1	488 22	DUAL corner mount SCS sensor 360°, vacancy & occupancy mode (push-button override, or IR remote), RJ 45 connection
		Detection field 150 m² Ø 14 m Optimum distance between 2 detectors: 12 m Consumption 0.5 W on standby All load 10 A - 240 V
1	488 21	US ceiling mount SCS sensor 360°, vacancy & occupancy mode (push-button override, or IR remote), RJ 45 connection

Pack	Cat. No.	Corner SCS sensors
		Supplied with fixing base Connect to 2 circuit controller Cat.No 488 50 by cord or RJ 45 cable or BUS/SCS cable fitted with RJ 45 connector Cat.No 488 72 (p. 31)
		Detection field 45 m² Maximum range 8 m - IP 42 Optimum distance between 2 detectors: 6 m Consumption 0.2 W on standby All load 10 A - 240 V
1	488 24	PIR wall mount switch sensor 180°, vacancy & occupancy mode (push-button override, or IR remote), RJ 45 connection
		Detection field 90 m² Maximum range 11 m - IP 42 With directional head Optimum distance between 2 detectors: 10 m Consumption 0.2 W on standby All load 10 A - 240 V
1	488 23	DUAL corner mount SCS sensor 180°, vacancy & occupancy mode (push-button override, or IR remote), RJ 45 connection
		Detection field 180 m² Maximum range 15 m - IP 55a Consumption 0.5 W on standby All load 10 A - 240 V
1	488 30	PIR corner mount SCS sensor 270°, vacancy & occupancy mode (push-button override, or IR remote), RJ 45 connection

		RJ 45-BUS/SCS connectors
		Allow controller(s) and detector(s) to be connected directly using BUS/SCS wiring by branch connection
1	488 72	Male connector
1	488 73	Female connector

		RJ 45 doubler
10	488 68	Allows the number of controller inputs to be doubled

RJ 45 connectors

488 72

488 68

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Lighting management room controller
2 outputs

			488 50(1)	488 20	488 21	488 22	488 23	488 24	488 30
	Cat.No.								
MAIN CHARACTERISTICS	Installation type		false ceiling cable ducting	← false ceiling →			←	surface-mounting →	
	Operation		ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF
	Type of operation		-	← vacancy & occupancy →					
	Override		-	← Push-buttons, or IR remote →					
	Detector technology		-	PIR	US	PIR/US	PIR/US	PIR	PIR
	Power supply		240 V	← 27 V powered by 488 50 →					
	Operating temperature		← -5 °C to +45 °C →						
	IP		IP 20	IP 20	IP 20	IP 20	IP 42	IP 42	IP 55
	Cover L x W		-	45 m²	150 m²	90 m²	90 m²	45 m²	180 m²
	Diameter at 2.5 m		-	Ø 8 m	Ø 14 m	Ø 11 m	Ø 11 m	Ø 8 m	Ø 15 m
	Lux level		-	← from 1 to 1275 lux →					
	Time delay (mn)		-	← from 0 to 255 h →					
FUNCTIONALITY	Audible Alerts		-	yes	yes	yes	yes	yes	yes
	Walkthrough mode		-	yes	yes	yes	yes	yes	yes
	Daylight setting		-	yes	yes	yes	yes	yes	yes
ADJUSTMENT	Pre-settings		-	← 15 minutes / 500 lux →			← 15 minutes / 300 lux →		
	Trim pot		-	-	-	-	-	-	-
	Tool		-	← 882 30 & 882 35 and software →					
DIMENSIONS	Weight (g)		272	95.5	143.1	147.8	241.7	237.5	205
	Dimensions L x W x H (mm)		190 x 70 x 51	55 X Ø 102	55 X Ø 102	55 X Ø 102	105 x 70 x 70	105 x 70 x 70	166 X 81 X 104
	Connection type		screw terminals	RJ 45	RJ 45	RJ 45	RJ 45	RJ 45	RJ 45
	Flush-mounted depth (mm)		-	← 50 →					
COMPATIBILITY WITH TYPE OF LIGHT	Halogen light	240 V	3600 W	-	-	-	-	-	-
	ELV halogen with separate ferromagnetic or electromagnetic transformer	240 V	1800 VA	-	-	-	-	-	-
	Fluorescent tube	240 V	1800 VA	-	-	-	-	-	-
	Fluorescent light with separate ferromagnetic or electronic ballast	240 V	500 W	-	-	-	-	-	-
	LED	240 V	500 W	-	-	-	-	-	-
	Compact fluorescent light with 1-10 V ballasts	240 V	1800 VA	-	-	-	-	-	-
	Contactors	240 V	relay output	-	-	-	-	-	-

(1) to be associated with Cat. No. 488 20/21/22/23/24/30

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

488 20

488 22

488 24

488 28

RJ 45 connectors

488 72

• Connection:
- to the controller by cord or RJ 45 cable or BUS/SCS cable to be fitted with RJ 45 connector Cat.No 488 72 (p. 365)
- to the BUS/SCS directly by cord or cable to be fitted with RJ 45 / BUS/SCS connector Cat.No 488 72 (p. 365)
• Factory pre-set lighting threshold 500 lux for false ceiling detectors, 300 lux for surface-mounted detectors
• 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.No 882 30/35 (p. 363)
IR receivers

Pack	Cat. No.	Ceiling SCS sensors
		Fastened directly to a false ceiling with mounting claws (supplied) or installed in Batibox flush-mounting boxes with depth of 50 mm Connect to 2 circuit room controller Cat.No 488 50 by cord or RJ 45 cable or BUS/SCS cable to be fitted with RJ 45 connector Cat.No 488 72 (p. 365)
		Detection field 45 m²
		Ø 8 m Optimum distance between 2 detectors: 6 m 0.2 W on standby All load 10 A - 240 V
1	488 20	PIR ceiling mount switch sensor 360°, vacancy & occupancy mode (push-button override, mobile configurator or software) RJ 45 connection
		Detection field 90 m²
		Ø 11 m Optimum distance between 2 detectors: 10 m Consumption 0.5 W on standby All load 10 A - 240 V
1	488 22	DUAL ceiling mount SCS sensor 360°, vacancy & occupancy mode (push-button override, mobile configurator or software) RJ 45 connection
		Detection field 150 m²
		Ø 14 m Optimum distance between 2 detectors: 12 m Consumption 0.5 W on standby All load 10 A - 240 V
1	488 21	US ceiling mount SCS sensor 360°, vacancy & occupancy mode (push-button override, mobile configurator or software) RJ 45 connection

Pack	Cat. No.	Lighting measurement cell
1	488 28	2 usage options: - used in conjunction with detectors it allows synchronisation of lighting measurement - lighting management for 1 zone without detector The mobile configurator must be used to configure the lighting cell Cat.No 882 30 (p. 363) Connects to BUS/SCS cable with connector Cat.No 488 72

Pack	Cat. No.	Corner SCS sensors
		Supplied with fixing plate Connect to the 2 circuit controller Cat.No 488 50 by cord or RJ 45 cable or BUS/SCS cable to be fitted with RJ 45 connector Cat.No 488 72 (p. 365)
		Detection field 45 m²
		Maximum range 8 m - IP 42 Optimum distance between 2 detectors: 6 m Consumption 0.2 W on standby All load 10 A - 240 V
1	488 24	PIR corner mount SCS sensor 180°, vacancy & occupancy mode (push-button override, mobile configurator or software) RJ 45 connection
		Detection field 90 m²
		Maximum range 11 m - IP 42 With directional head Optimum distance between 2 detectors: 10 m Consumption 0.2 W on standby All load 10 A - 240 V
1	488 23	DUAL corner mount SCS sensor 180°, vacancy & occupancy mode (push-button override, mobile configurator or software), RJ 45 connection
		Detection field 180 m²
		Maximum range 15 m - IP 55 Consumption 0.5 W on standby All load 10 A - 240 V
1	488 30	PIR wall mount SCS sensor 270°, vacancy & occupancy mode (push-button override, mobile configurator or software), RJ 45 connection
		Detection field 270 m²
		Maximum range 27 m - IP 42 All load 10 A - 240 V ac
1	488 25	PIR wall mount SCS sensor 140°, vacancy & occupancy mode (push-button override, mobile configurator or software), RJ 45 connection

		RJ 45-BUS/SCS connectors
		Allow controller(s) and detector(s) to be connected directly using BUS/SCS wiring by branch connection
1	488 72	Male connector
1	488 73	Female connector

Lighting management BUS/SCS system

SCS sensors

	Cat. No.	488 20	488 21	488 22	488 23	488 24	488 30	488 25
MAIN CHARACTERISTICS	**Installation type**	← false ceiling →			← surface mounting →			
	Operation	← ON-OFF & dimming + adjust →						
	Type of operation	← vacancy & occupancy →						
	Override	← Push-buttons, mobile configurators or software →						
	Detector technology	PIR	US	PIR/US	PIR/US	PIR	PIR	PIR
	Power supply	← 27 V powered by BUS/SCS or room controllers →						
	Operating temperature	← -5°C to +45°C →						
	IP	IP 20	IP 20	IP 20	IP 42	IP 42	IP 55	IP 41
	Cover L x W	45 m²	150 m²	90 m²	90 m²	45 m²	180 m²	270 m²
	Diameter at 2.5 m	Ø 8 m	Ø 14 m	Ø 11 m	Ø 11 m	Ø 8 m	Ø 15 m	-
	Lux level	← from 1 to 1275 lux →						
	Time delay (mn)	← from 0 to 255 h →						
FUNCTIONALITY	**Audible Alerts**	yes	yes	yes	yes	yes	yes	yes
	Walkthrough mode	yes	yes	yes	yes	yes	yes	yes
	Daylight setting	yes	yes	yes	yes	yes	yes	yes
ADJUSTMENT	**Pre-settings**	← 15 minutes / 500 lux →			← 15 minutes / 300 lux →			
	Trim pot	-	-	-	-	-	-	-
	Tool	← 882 30 and 822 35 and software →						
DIMENSIONS	**Weight (g)**	95.5	143.1	147.8	241.7	237.5	205	237.5
	Connection type	RJ 45	RJ 45	RJ 45	RJ 45	RJ 45	RJ 45	RJ 45
	Flush-mounted depth (mm)	50	50	50	50	50	50	50

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

784 73

5739 60

Individual or centralised controls for lighting management
Supplied with BUS/SCS connector Cat.No 492 22 for connection with the BUS/SCS cable with branch connection
• Connection:
- to the fixed ceiling controller via BUS/SCS cable fitted with connector Cat.No 488 72 (p. 365)
- directly to the BUS/SCS cable in the event of a modular controller control unit

Pack	Cat.No.	Basic function
1	5739 87	To be equipped with round version key covers and plates 2 module mechanism Control for the activeation of 1 actuator for single or double loads, or 2 actuators for single load, or independent double loads for lighting and shutters
1	5739 74	**Basic and special functions** To be equipped with round version key covers and plates 2 module mechanism Control for the activation of 4 scenarios, soft-start and soft-stop of dimmers, sound distribution functions and activation of devices installed on different BUS branches

Pack	Cat.No.	Scenario management
		Allows several controllers to be operated
		4 scenarios 4 buttons allowing 1 scenario to managed per button Example: lighting level adjustment, lighting control with openings...
1	5739 02	○ White
1	5739 03	● Magnesium
		Multiple scenarios Touch-screen control Allows manual or programmed control of lighting (lighting level), openings, fans and multimedia equipment
1	5739 60	Equipped with White and Magnesium surround To be installed in flush-mounting box Cat. No. 892 79 or 893 79 To be fitted with plates Cat. No. 5764 84 Mirror White, 5764 83 Mirror Black, 5764 86 Stainless Steel, 5764 80 Gold Brass and 5764 87 Woven Metal

Lighting management BUS/SCS system

Room controllers

488 47

488 42

Connection:
- to the detector by cord or RJ 45 cable or BUS/SCS cable BUS/SCS to be fitted with RJ 45 connector Cat.No 488 72 (p. 365)
- to the BUS/SCS directly by cord or cable to be fitted with RJ 45 / BUS/SCS connector Cat.No 488 72 (p. 365)

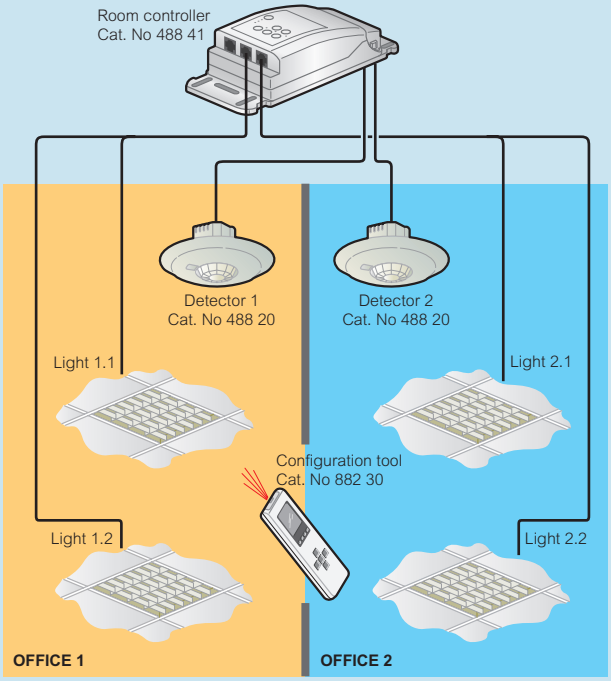
Can be controlled for each output by a detector and/or an individual or centralised BUS/SCS control

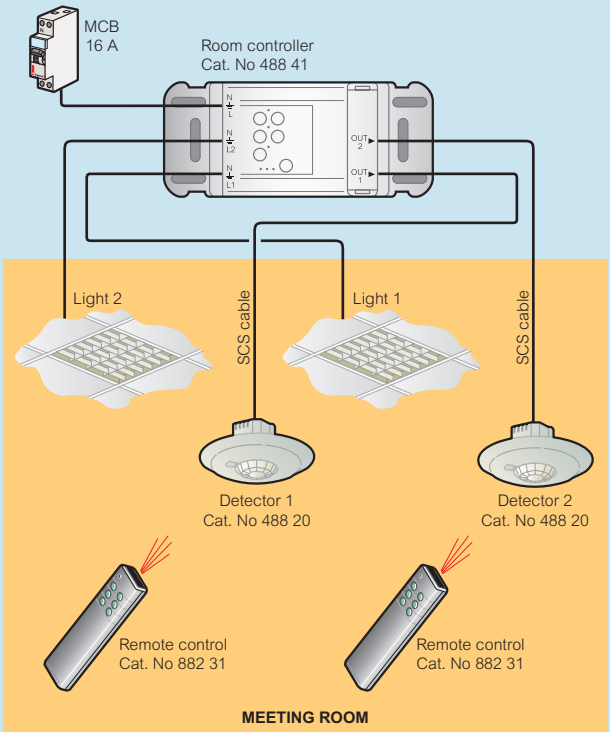
Configuration with controls and detectors:
- intuitive by default - Plug n' go mode
- product customisation by touch support or by mobile configurator Cat.No 882 30 (p. 363) (via detectors) - Push n' learn mode
- via programming software Cat.No 488 80

Install on false ceiling via cable ducting

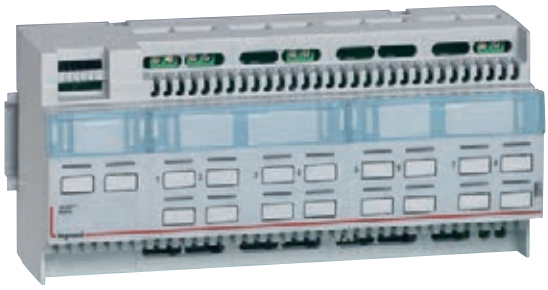
Pack	Cat.No.	Multi-application controllers
1	488 47	2 on/off or 1-10 V dimming lighting outputs 2 electronic control box outputs for blinds or fans
		Light dimming controllers
		For DALI protocol
1	488 44	4 outputs 16 ballasts maximum per output
		For 1-10 V ballast
1	488 42	2 outputs 1000 VA maximum per output
1	488 43	4 outputs 1000 VA maximum per output
		For LV and ELV halogen
1	488 45	2 outputs 1000 W maximum per output
		ON/OFF lighting controllers
1	488 40	16 A on 1 output
1	488 41	10 A on 2 outputs
		RJ 45 doubler
10	488 68	Allows the number of controller inputs to be doubled

■ Example of installation using "plug and play"





Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.


026 33

038 42

5739 93

035 62

Modular controllers and interfaces connected to the BUS/SCS by BUS/SCS cable.
Each output is independent and can be used in conjunction with a control
Configuration with controls and detectors:
- intuitive with Cat.No 035 70 (addressing module)
- product customisation by touch support
- through programming software Cat.No 488 80

Pack	Cat.No.	Dimming controllers
		For DALI protocol
		10 x 17.5 mm DIN modules
1	026 33	8 outputs 16 ballasts maximum per output, frame steering
		For 1-10 V ballast
1	026 11	1 output - 1000 VA maximum 6 x 17.5 mm DIN modules
1	026 12	4 outputs - 1000 VA maximum per output 10 x 17.5 mm DIN modules
		For LV and ELV halogen
		6 x 17.5 mm DIN modules
1	026 21	1 output - 1000 W maximum
1	026 22	2 outputs - 500 W maximum per output

		ON/OFF lighting controllers
1	026 00	1 x 16 A output 4 x 17.5 mm DIN modules
1	026 01	2 x 16 A outputs 4 x 17.5 mm DIN modules
1	026 02	4 x 16 A outputs 6 x 17.5 mm DIN modules
1	026 04	8 x 16 A outputs 10 x 17.5 mm DIN modules

		Multi-application controllers
		NO contact
		For roller blinds and motors 2 x 17.5 mm DIN modules
1	038 41	1 x 16 A output
1	038 42	2 x 6 A outputs
1	038 44	4 x 6 A outputs

		Addressing module
1	035 70	To be used with controller for touch support customisation directly on the controller and the control unit 2 x 17.5 mm DIN modules

		Zone controller unit
1	026 45	Includes 2 functions: - manages scenario programming (e.g. time management, lighting, presence) - IP interface, links the BUS/SCS infrastructure and the IP network Requires power supply unit Cat.No 035 64 / 63442 For operation requires software pack Cat.No 488 81 or supervision requires Cat.No 488 82 6 x 17.5 mm DIN modules

Pack	Cat.No.	KNX - SCS gateway
1	5739 93	Requires power supply unit Cat.No 035 64 This device provides interfacing SCS system and KNX system for mutual exchange of information control and messages For operation requires software pack Cat.No 488 81 or supervision requires Cat.No 488 82 6 x 17.5 mm DIN modules

		Extension gateways
		Allow the BUS/SCS to communicate with other systems
		Scenario module
1	035 51	Allows scenarios to be created through link with Arteor Cat.No 5739 60 without a software tool
		Konnex - BUS/SCS
1	035 63	Allows the on/off signal to travel between a Konnex installation and the BUC/SCS installation 2 x 17.5 mm DIN modules
		Wiring system - BUS/SCS
1	035 53	Used to connect traditional wiring systems (e.g. switch, timer, external sensor) 2 independent contacts 2 x 17.5 mm DIN modules

		BUS - BUS/SCS extension
1	035 62	Used to extend the physical Bus larger than 500M and line beyond 175 products to allow product identification in the same line Needs a power supply Cat. No. 035 60/66 2 x 17.5 mm DIN modules

		Modular power supply units
		For BUS/SCS
1	035 60	240 VA - 27 Vac - 1.2 A 8 x 17.5 mm DIN modules
1	035 67	240 VA - 27 Vac - 500 mA 2 x 17.5 mm DIN modules
		For Cat. No. 5739 93 and 026 45
1	634 42	240 VA - 12 Vac - 600 mA 2 x 17.5 mm DIN modules

Lighting management BUS/SCS system
Software

Pack	Cat. No.	Software packs
1	488 80	Pack 1: - quoting software - product setup on AutoCad installation diagram - system configuration (addressing and product interlinking)
1	488 81	Pack 2 - quoting software - product setup on AutoCad installation diagram - system configuration (addressing and product interlinking) - use (installation monitoring and maintenance with optimised energy consumption in the building) Option of installing remote control on the PC desktop
1	488 82	Pack 3: - quoting software - product setup on AutoCad installation diagram - system configuration (addressing and product interlinking) - use (installation monitoring and maintenance with optimised energy consumption in the building) Option of installing remote control on the PC desktop - supervision (surveillance and remote control of the installation)

Lighting management BUS/SCS system
Accessories

882 35

882 30

Pack	Cat. No.	BUS/SCS cables
		Supplied on a reel
1	492 31	Length 100 m
1	492 32	Length 500 m

Pack	Cat. No.	Mobile configurators
		All detectors are pre-set in the factory - lighting threshold: 500 lux false ceiling, 300 lux surface-mounted - time delay: 15 minutes and walkthrough function activated The mobile configurators allow the pre-adjusted settings and the detection sensitivity to be readjusted
1	882 35	Step programming on pre-set buttons
1	882 30	Digital programming to the nearest decimal place using digital screen Instant programming control Allows the settings of each detector to be displayed Option of putting adjustment settings in the memory and using them for other detectors

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Lighting management BUS/SCS system

Room controllers

			488 40	488 41	488 42	488 43	488 44	488 45	488 47
	Cat. No.								
MAIN CHARACTERISTICS	Installation type		fixed false ceiling and cable ducting						
	Type of operation		ON-OFF		dimming				ON-OFF dimming + automation
	Number of outputs		1	2	2	4	4	2	2 lighting + 2 automation
	Power supply		240 V						
	Operating temperature		-5°C to +45°C						
	IP		IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
	Dimensions (mm) L x W x H		207 x 71 x 48	207 x 71 x 48	207 x 97 x 48	257 x 148 x 51	257 x 148 x 51	257 x 148 x 51	257 x 148 x 51
	Weight (g.)		255	265	337	380	424	458	430
	Connection type		screw terminals	screw terminals	screw terminals	screw terminals	screw terminals	screw terminals	screw terminals
COMPATIBILITY WITH TYPE OF LIGHT	Halogen light	240 V	3600 W	3600 W	3600 W	3600 W	-	2000 W	3600 W
	ELV halogen with separate ferromagnetic or electromagnetic transformer	240 V	3600 W	3600 W	3600 W	3600 W	-	2000 VA	3600 VA
	Fluorescent tube	240 V	1 x 1000 VA	2 x 1000 VA	2 x 1000 VA	4 x 1000 VA	-	-	2 x 1000 W
	Fluorescent light with separate ferromagnetic or electronic ballast	240 V	1 x 1000 VA	2 x 1000 VA	2 x 1000 VA	4 x 1000 VA	-	-	2 x 1000 VA
	LED	240 V	1 x 500 W	2 x 500 W	-	4 x 500 W	-	-	2 x 500 W
	Compact fluorescent light with 1-10 V ballasts	240 V	-	-	2 x 1000 VA	4 x 1000 VA	-	-	2 x 1000 VA
	DALI Ballast		-	-	-	-	4 x 16 ballasts	-	-
	Motors		-	-	-	-	-	-	500 VA

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Lighting management BUS/SCS system

Dimming and actuators

	Cat. No.							
			026 33	026 11	026 12	026 21	026 22	026 00
CHARACTERISTICS	Type of operation		← dimming →					ON-OFF
	Outputs		8	1	4	1	2	1
	Power supply		← 240 V →					
	No. of modules		10	6	10	6	6	4
COMPATIBILITY WITH TYPE OF LIGHT	Halogen light	240 V	-	-	-	1 x 1000 W	2 x 400 W	1 x 3600 W
	ELV halogen with separate ferromagnetic or electromagnetic transformer	240 V	-	-	-	1 x 1000 VA	2 x 400 VA	1 x 3600 W
	Fluorescent tube	240 V	-	-	-	-	-	1 x 1000 VA
	Fluorescent light with separate ferromagnetic or electronic ballast	240 V	-	-	-	-	-	1 x 1000 VA
	LED	240 V	-	-	-	-	-	-
	Compact fluorescent light with 1-10 V ballasts	240 V	-	1 x 1000 VA	4 x 1000 VA	-	-	-
	DALI Ballast		8 x 16 ballasts					
	Cat. No.							
			026 01	026 02	026 04	038 41	038 42	038 44
CHARACTERISTICS	Type of operation		ON/OFF	ON/OFF	ON/OFF	← Multi-application →		
	Outputs		2	4	8	1	2	4
	Power supply		← 240 V →					
	No. of modules		4	6	10	2	2	2
COMPATIBILITY WITH TYPE OF LIGHT	Halogen light	240 V	2 x 3600 W	4 x 3600 W	8 x 3600 W	-	-	-
	ELV halogen with separate ferromagnetic or electromagnetic transformer	240 V	2 x 3600 W	4 x 3600 W	8 x 3600 W	-	-	-
	Fluorescent tube	240 V	2 x 1000 VA	4 x 1000 VA	8 x 1000 VA	-	-	-
	Fluorescent light with separate ferromagnetic or electronic ballast	240 V	2 x 1000 VA	4 x 1000 VA	8 x 1000 VA	-	-	-
	LED	240 V	-	-	-	-	-	-
	Compact fluorescent light with 1-10 V ballasts	240 V	-	-	-	-	-	-
	Motor		-	-	-	4 A x 1 output	2 A x 2 outputs	2 A x 4 outputs

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

Lighting management Radio/ZigBee®

Control units and false ceiling controllers

5738 49

5738 35

5738 62

Radio/ZigBee® 2.4 GHz, signal range 100 m
• Operation:
- in association with Radio/ZigBee® products - with BUS/SCS installation using BUS/SCS interface - Radio ZigBee® Cat.No 488 32 (p. 365)
To be fitted with Arteor plates

Pack	Cat. No.	Wireless wall controls
		Powered by 3V CR 2032 lithium batteries, supplied Supplied with support, directly mounted on the wall without flush-mounting box 2 modules
		Lighting control ON/OFF 1 way Allows 1 Radio/ZigBee® product to be controlled (e.g. 1 controller)
1	5738 34	○ White
1	5738 35	● Black
		Lighting control ON/OFF 2 way Allows 2 Radio/ZigBee® products to be controlled (e.g. 1 controller and a 240 V∿ control unit)
1	5738 36	○ White
1	5738 37	● Black
		Lighting dimming controls 1 way Allows 1 Radio/ZigBee® DALI, 1-10 V, LV and ELV halogen control unit to be controlled
1	5738 38	○ White
1	5738 39	● Black
1	5738 42	○ White
1	5738 43	● Black

Pack	Cat. No.	Wireless wall controls (continued)
		4 scenario controls Allow 4 scenarios to be managed using 4 buttons Example: e.g. lighting level adjustment, lighting control with openings...as well as normal cut off
1	5738 48	○ White
1	5738 49	● Black
		240 V∿ switches Transmitter/receiver switches For installation in flush-mounting box with depth of 50 mm recommended, 2 module mounting frames.
		Switches ON/OFF 1 way With LED to see output control status Max. load: 1 x 2500 W
1	5738 22	○ White
1	5738 23	● Black
		Switches ON/OFF 2 way With LED to see output control status Max. load: 2 x 1000 W
1	5738 24	○ White
1	5738 25	● Black
		Controllers for dimming
		For 1-10 V ballast
1	5738 66	1 output - 500 VA
		For LV and ELV halogen
1	5738 64	1 output - 600 W
		ON/OFF lighting controller
1	5738 62	1 output - 2500 W, surface mounting
		BUS/SCS interface - Radio/ZigBee® Used to link a BUS/SCS installation and an additional Radio/ZigBee® installation
1	488 32	BUS/SCS interface - Radio/ZigBee® Installs on false ceiling
		Repeater
1	488 37	Used to increase the receiving distance from the radio signal Power supply 240 V∿

ZigBee®: ZigBee® certified product with Manufacturer Specific Profile

Lighting management Radio/ZigBee®

Detectors and remote control units

488 14

882 32

Pack	Cat. No.	Infrared 240 V~ detector switches
1	488 35	Power supply 240 V~ Recommended fixing height: 2.50 m **Detection field 90 m²** Ø 11 m Dual ceiling mount detector 360° This dual technology allows accurate presence detection from the point where the signal given by the detector is interrupted (e.g. : hand movement on a keyboard) Fixed directly to a false ceiling with mounting claws (provided) or in Batibox flush-mounting box with depth of 50 mm Optimum distance between 2 detectors: 10 m
1	488 14	**Detection field 180 m²** Maximum range 15 m - IP 55 PIR surface mount detector 270° Dual side detection specially adapted for long narrow areas (e.g. corridors)

		Battery-powered infrared detector
1	488 31	Powered by two 1.5 V LR 03 alkaline batteries (supplied) Recommended fixing height: 2.50 m **Detection field 180 m²** Ø 15 m - IP 55 PIR surface mount detector 270° Dual detection specially adapted for long narrow areas (e.g. corridors)

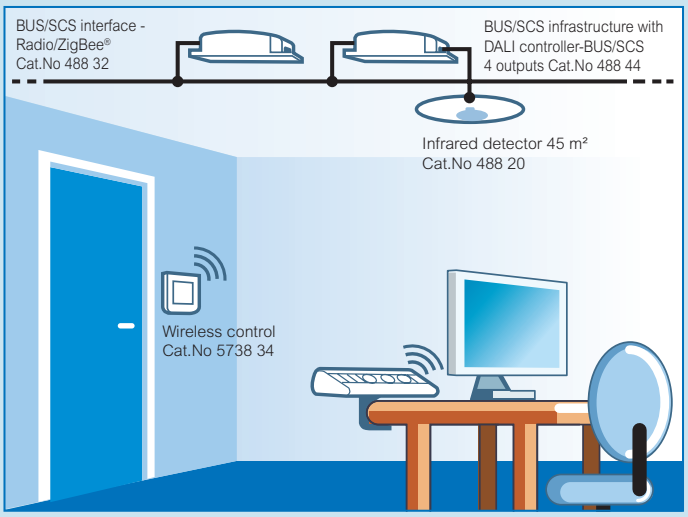
		Remote control devices
1	882 31	**4 scenario controls** 4 buttons allowing 1 scenario to be managed per button Example: lighting level adjustment, lighting control with openings... in the same way as normal cut off IR control Powered by two 1.5 V LR 03 alkaline batteries (supplied)
1	882 32	IR/RF control Powered by two 1.5 V LR 03 alkaline batteries (supplied)

ZigBee®: ZigBee® certified product with Manufacturer Specific Profile

Lighting management Radio/ZigBee®

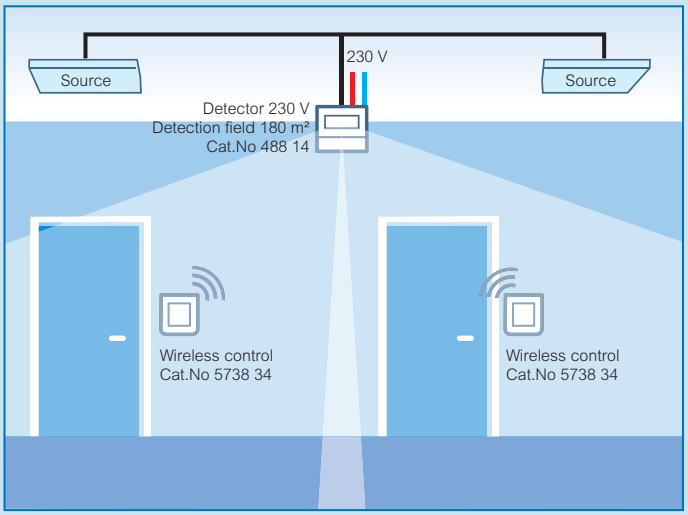
Detectors and remote control units

Use case No 1: also using a BUS/SCS infrastructure



Where an office is fitted out completely in glass and the BUS/SCS cannot drop vertically, a wireless Radio/ZigBee® control unit can be installed at the door.

Use case No 2: using only Radio/ZigBee®



Manual on-switch and an automatic cut-off will maximise energy savings. In a building renovation for example, if a large area is fitted with self-contained presence detectors but the vertical connection cannot be made with its control points, Radio/ZigBee® wireless control units will be installed.

Some items sold seperately
For pack quantity, please refer to numerical index pages.
For trade price, please see your local HPM legrand representative for the current price list.

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See Legrand® section for

- Excel Life™ Wiring Accessories
- Arteor™ Wiring Accessories & Home Automation

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See Legrand® section for

- Soliroc™ Weatherproof Wiring Accessories
- Arteor™ Wiring Accessories & Home Automation
- Excel Life™ Wiring Accessories
- Energy Distribution
- Cable Management
- Emergency Lighting Systems
- VDI Structured Cabling Systems

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See Legrand® catalogue for

- Energy Distribution
- Cable Management
- Warning Devices
- IEC Industrial Plugs & Sockets
- Industrial Boxes & Enclosures
- Cable Marking Systems
- Terminal Blocks
- Transformers & Power Supplies

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Reliable and easy to install products for residential dwellings and many commercial projects.

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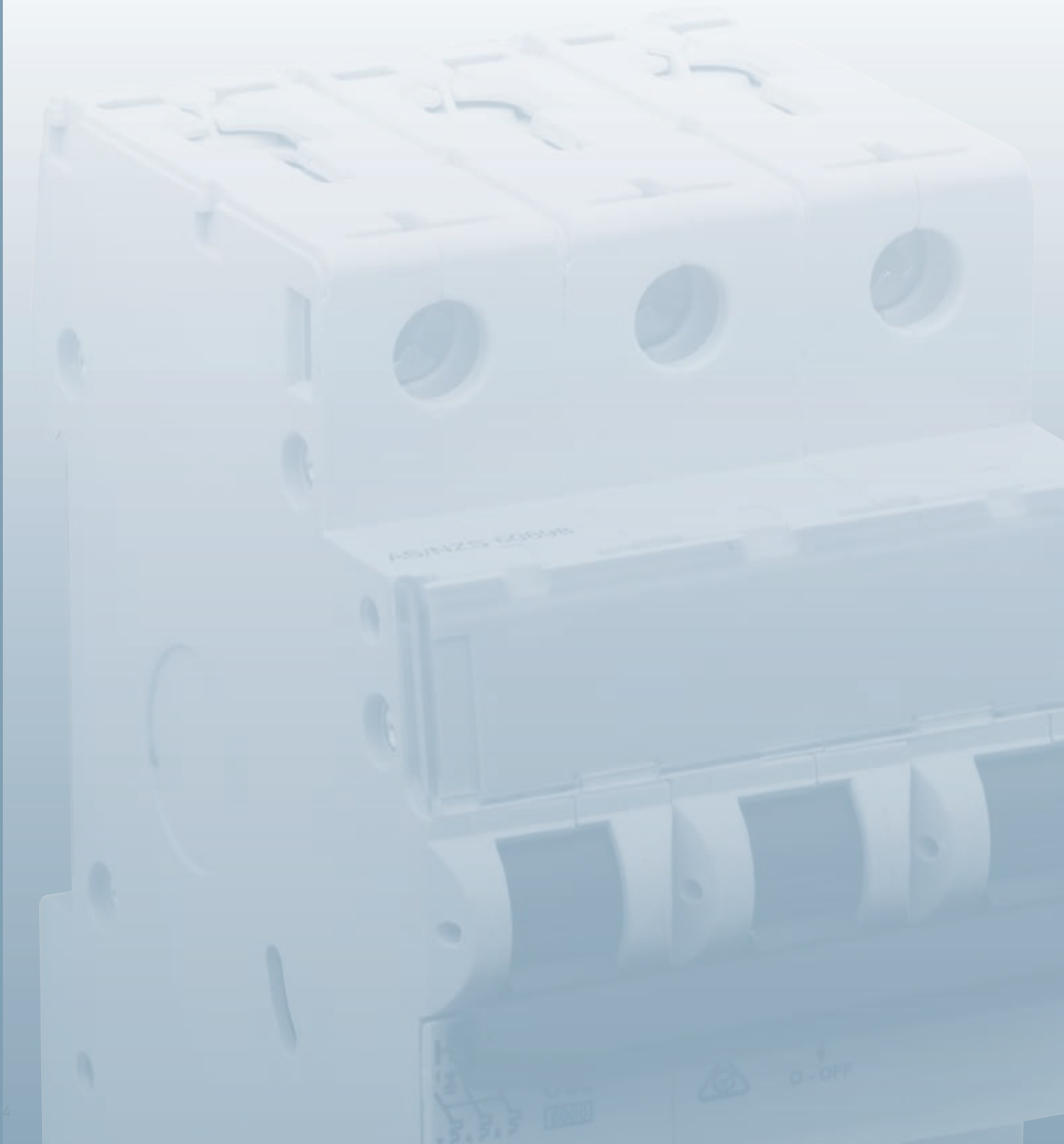
Section 1

Circuit Protection & Enclosures



Circuit Protection & Enclosures

Section 1

MCBs - Miniature circuit breakers

HL4106
(fitted with lock 04442)

Pack	Cat No.	C curve. Thermal magnetic. Current limiting. Complies with AS/NZS 60898 DIN rail mounting. **1 pole, 4.5kA, C curve, 240V** Size 17.5mm (1 module).
12	HL4106	6A, 1 pole 4.5kA, C Curve, miniature circuit breaker
12	HL4110	10A, 1 pole 4.5kA, C Curve, miniature circuit breaker
12	HL4116	16A, 1 pole 4.5kA, C Curve, miniature circuit breaker
12	HL4120	20A, 1 pole 4.5kA, C Curve, miniature circuit breaker
12	HL4125	25A, 1 pole 4.5kA, C Curve, miniature circuit breaker
12	HL4132	32A, 1 pole 4.5kA, C Curve, miniature circuit breaker
12	HL4140	40A, 1 pole 4.5kA, C Curve, miniature circuit breaker
12	HL4150	50A, 1 pole 4.5kA, C Curve, miniature circuit breaker
12	HL4163	63A, 1 pole 4.5kA, C Curve, miniature circuit breaker

HL6106

Pack	Cat No.	**1 pole, 6kA, C curve, 240V** Size 17.5mm (1 module).
12	HL6106	6A, 1 pole 6kA, miniature circuit breaker
12	HL6110	10A, 1 pole 6kA, miniature circuit breaker
12	HL6116	16A, 1 pole 6kA, miniature circuit breaker
12	HL6120	20A, 1 pole 6kA, miniature circuit breaker
12	HL6125	25A, 1 pole 6kA, miniature circuit breaker
12	HL6132	32A, 1 pole 6kA, miniature circuit breaker
12	HL6140	40A, 1 pole 6kA, miniature circuit breaker
12	HL6150	50A, 1 pole 6kA, miniature circuit breaker
12	HL6163	63A, 1 pole 6kA, miniature circuit breaker

HL6216

Pack	Cat No.	**2 pole, 6kA, C curve, 240/415V** Size 35mm (2 modules).
6	HL6210	10A, 2 pole 6kA, miniature circuit breaker
6	HL6216	16A, 2 pole 6kA, miniature circuit breaker
6	HL6220	20A, 2 pole 6kA, miniature circuit breaker
6	HL6225	25A, 2 pole 6kA, miniature circuit breaker
6	HL6232	30A, 2 pole 6kA, miniature circuit breaker
6	HL6240	40A, 2 pole 6kA, miniature circuit breaker
6	HL6250	50A, 2 pole 6kA, miniature circuit breaker
6	HL6263	63A, 2 pole 6kA, miniature circuit breaker

HL6316

Pack	Cat No.	**3 pole, 6kA, C curve, 240/415V** Size 52.5mm (3 modules).
4	HL6310	10A, 3 pole 6kA, miniature circuit breaker
4	HL6316	16A, 3 pole 6kA, miniature circuit breaker
4	HL6320	20A, 3 pole 6kA, miniature circuit breaker
4	HL6325	25A, 3 pole 6kA, miniature circuit breaker
4	HL6332	32A, 3 pole 6kA, miniature circuit breaker
4	HL6340	40A, 3 pole 6kA, miniature circuit breaker
4	HL6350	50A, 3 pole 6kA, miniature circuit breaker
4	HL6363	63A, 3 pole 6kA, miniature circuit breaker

Circuit Protection & Enclosures

RCDs (RCCBs)

HLRCD30-225

Pack	Cat No.	**2 pole RCDs, Type AC** Residual Current Device. Complies with AS/NZS 61008. Type AC. 35mm wide (2 modules). DIN rail mounting.
1	HLRCD30-225	25A, 2 pole, AC, 30mA
1	HLRCD30-240	40A, 2 pole, AC, 30mA
1	HLRCD30-263	63A, 2 pole, AC, 30mA
1	HLRCD30-280	80A, 2 pole, AC, 30mA

HLARCD30-225

Pack	Cat No.	**2 pole RCDs, type A** Residual current device complies with AS/NZS6 +1008 Type A 35mm wide (2 module) DIN rail mounting
1	HLARCD30-225	25A, 2 pole, A, 30mA
1	HLARCD30-240	40A, 2 pole, A, 30mA
1	HLARCD30-263	63A, 2 pole, A, 30mA

HLRCD30-440

Pack	Cat No.	**4 pole RCDs, type AC** Residual current device complies with AS/NZS6 +1008 Type AC 70mm wide (4 module) DIN rail mounting
1	HLRCD30-425	25A, 4 pole, AC, 30mA
1	HLRCD30-440	40A, 4 pole, AC, 30mA
1	HLRCD30-463	63A, 4 pole, AC, 30mA
1	HLRCD30-480	80A, 4 pole, AC, 30mA

RCBOs

HLRCB030-206

Pack	Cat No.	**2 pole RCBOs, C curve, type AC** Complies with AS/NZS 61009. Current limiting MCB, 6kA, RCD, type AC 30mA. 240V~, 1 pole + N. DIN rail mounting.
1	HLRCBO30-206	6A, 2 pole, AC, 30mA RCBO
1	HLRCBO30-210	10A, 2 pole, AC, 30mA RCBO
1	HLRCBO30-216	16A, 2 pole, AC, 30mA RCBO
1	HLRCBO30-220	20A, 2 pole, AC, 30mA RCBO
1	HLRCBO30-225	25A, 2 pole, AC, 30mA RCBO
1	HLRCBO30-232	32A, 2 pole, AC, 30mA RCBO
1	HLRCBO30-240	40A, 2 pole, AC, 30mA RCBO

HLARCB030-206

Pack	Cat No.	**2 pole RCBOs, C curve, type A**
1	HLARCBO30-206	6A, 2 pole, A, 30mA RCBO
1	HLARCBO30-210	10A, 2 pole, A, 30mA RCBO
1	HLARCBO30-216	16A, 2 pole, A, 30mA RCBO
1	HLARCBO30-220	20A, 2 pole, A, 30mA RCBO
1	HLARCBO30-225	25A, 2 pole, A, 30mA RCBO
1	HLARCBO30-232	32A, 2 pole, A, 30mA RCBO
1	HLARCBO30-240	40A, 2 pole, A, 30mA RCBO

Isolating switches - DIN mount

HLS163

Pack	Cat No.	Reference standards AS/NZS60947-3 DIN rail mounting.
10	HLS163	63A, 1 pole, 240V~ isolating switch
10	HLS1100	100A, 1 pole, 240V~ isolating switch
5	HLS263	63A, 2 pole, 415V~ isolating switch
5	HLS2100	100A, 2 pole, 415V~ isolating switch
3	HLS363	63A, 3 pole, 415V~ isolating switch
3	HLS3100	100A, 3 pole, 415V~ isolating switch

Surge Protection Devices (SPDs)

H6SD

Pack	Cat No.	**Surge Protection Devices** Size 18mm wide (1 module). DIN rail mounting. Plug-in module.
1	H6SD	250V 1 pole surge diverter. 275V max continuous rating. Diverts up to 40kA. Limits 6kV surges to 1.16kV.
1	H6SDM	Replacement module for H6SD surge diverter

Standard Range powerpoints 230 - 240V a.c.

787DIN

Pack	Cat No.	**Single powerpoint, DIN rail mounting** Plate size: 67 x 44mm. 4 modules wide, 53mm deep.
10	787DIN	10A single powerpoint with DIN bracket
10	787DIN15	15A single powerpoint with DIN bracket

Changeover switches

HCS232

Pack	Cat No.	**32A day-off-night**
12	HCS132	32A, 1 pole, 240V~ changeover switch
12	HCS232	32A, 2 pole, 240V~ changeover switch

Main Switches for surface mounting

B135

Pack	Cat No.	**Main switches for surface mounting, 240V~ (1 pole), 415V~ (2 & 3 pole)** Heavy duty, double break silver contacts. Type clamping tunnel terminals take up to 25mm^2 conductors. Line and load side terminals screws can be sealed off. Mounting holes: top right and botton left corners. 60 x 16mm mounting centres. **1 pole, 240V~** Size 26mm wide x 71mm high x 44mm deep.
10	B135	35A, 1 pole, back entry main switch
10	B165	65A, 1 pole, back entry main switch
10	B180	80A, 1 pole, back entry main switch
10	F135	35A, 1 pole, front entry main switch
10	F180	80A, 1 pole, front entry main switch

B235

Pack	Cat No.	**2 pole, 415V~** Size 52mm wide x 71mm high x 44mm deep.
5	B265	65A, 2 pole, back entry main switch
5	B280	80A, 2 pole, back entry main switch
5	F265	65A, 2 pole, front entry main switch
5	F280	80A, 2 pole, front entry main switch

B335

Pack	Cat No.	**3 pole, 415V~** Size 52mm wide x 71mm high x 44mm deep.
5	B335	35A, 3 pole, back entry main switch.
5	B365	65A, 3 pole, back entry main switch.
5	B380	80A, 3 pole, back entry main switch.
5	F380	80A, 3 pole, front entry main switch.

Circuit Protection & Enclosures

Time switches

HL03705

Pack	Cat No.	**Time switches** **- DIN rail mounting** 1 module wide
1	HL03730	24 hour electro-mechanical time switch - DIN rail mount. 1 Module. 230V~ +10% -15% Contact rating, 16A, cos = 1, 3 position switch: ON-OFF-AUTO. Minimum switching period: 15 min. No working reserve.
1	HL03705	Digital weekly time switch. DIN rail mount. 1 module. Contact rating, 16A, cos = 1, 28 program blocks, 5 way switch, 6 years working reserve.

808/1

Pack	Cat No.	**Time switches - Surface mounting**
4	808/1	24 hour synchronous time switch. Push tab adjustment. Contact rating 240V, 16A. Manual override switch. Minimum switching period - 30 min.

Plug-in circuit breakers 240V a.c.

DCB120

Pack	Cat No.	**Plug-in circuit breakers** Plugs into porcelain fuse bases to replace re-wireable fuse wedges.
5	DCB108	8A plug-in circuit breaker for 8A &10A lighting circuits
5	DCB116	16A plug-in circuit breaker for 15A &16A lighting circuits
5	DCB120	20A plug-in circuit breaker for 20A hot water & power circuits
5	DCB132	32A plug-in circuit breaker for 30A & 32A stove circuits

Enclosures

HL24F

Pack	Cat No.	**Flush mounting enclosure** All supplied with door, neutral & earth bars, labels, accessories and DIN rail.
1	HL12F	12 pole flush enclosure, 305mm H x 315mm W x 90mm D
1	HEE18F	18 pole flush enclosure, 223mm H x 392mm W x 71mm D cut-out
1	HL24F	24 pole flush enclosure 430mm H x 315mm W x 90mm D
1	HL36F	36 pole flush enclosure 555mm H x 315mm W x 90mm D
1	HL48F	48 pole flush enclosure 680mm H x 315mm W x 90mm D
		Above dimensions are cut-out dimensions
1	HL12FS	12 pole flush enclosure with metal plate backing
1	HL24FS	24 pole flush enclosure with metal plate backing

HL485

Pack	Cat No.	**Surface mounting enclosure** All supplied with door, neutral & earth bars, labels, accessories and DIN rail.
1	HL12S	12 pole surface enclosure, 240mm H x 318mm W x 109mm D
1	HEE18S	18 pole surface enclosure, 214mm H x 383mm W x 104mm D
1	HL24S	24 pole surface enclosure, 380mm H x 318mm W x 109mm D
1	HL36S	36 pole surface enclosure, 505mm H x 318mm W x 109mm D
1	HL48S	48 pole surface enclosure, 630mm H x 318mm W x 109mm D
Pack	Cat No.	**Spare door for surface enclosure** White
1	601206	12 pole
1	601207	24 pole
1	601208	36 pole
1	601209	48 pole

Circuit Protection & Enclosures

HC02S

Pack	Cat No.	**HC surface mounting enclosures** Will fit into customer equipment area on NSW meter box panel. Complies AS3132, AS3000/2.21.1.2. (Separate neutral and earth bars on rear of meter box panel).
10	HC01S	1 pole
6	HC02S	2 pole
4	HC03S	3 pole
4	HC04S	4 pole

Accessories

HPF5

Pack	Cat No.	**HM pole fillers**
1	HPF5	5 pole, (4 x 18mm & 2 x 9mm). Suits material thickness 1.5mm max. Pole fillers for HWEK & HC series, type V4 (4 pole, 8 x 9mm) available to special order.
1	HEEPF5	Bag of 4 x 18mm & 2 x 9mm pole fillers. Pole fillers for HEE series.
1	HMCBL	A4 Label sheet for MCB/RCD
1	01491	Locking device for flush or surface mounting, supplied with 2 keys

For weatherproof enclosures, see Plexo³ in Legrand section.

Section 2

Excel Range

Excel TV data and communication

XLP900WEWE

Pack	Cat No.	
		VGA Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP900WEWE	Excel HD15 VGA outlet

XLP901WEWE

XLP902WEWE

Pack	Cat No.	
		RCA Outlets Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP901WEWE	1 gang Yellow RCA outlet
5	XLP902WEWE	2 gang White & Red RCA outlet

XLP903WEWE

XLP904WEWE

5	XLP903WEWE	Yellow, Red & White RCA outlet
5	XLP904WEWE	Red, Green & Blue RCA outlet

XLP905WEWE

Pack	Cat No.	
		Video Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP905WEWE	Mini Din S Video outlet

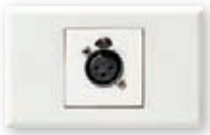
XLP906WEWE

Pack	Cat No.	
		HDMI Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP906WEWE	1 gang HDMI (1.3c) outlet

XLP907WEWE

XLP907/2WEWE

Pack	Cat No.	
		Speaker Outlets Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP907WEWE	1 gang loud speaker outlet
5	XLP907/2WEWE	2 gang loudspeaker outlet



XLP908WEWE

Pack	Cat No.	
		XLR Female Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP908WEWE	XLR female outlet

XLP909WEWE

Pack	Cat No.	
		XLR Male Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP909WEWE	XLR male outlet

XLP910WEWE

Pack	Cat No.	
		Speakon Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP910WEWE	Speakon outlet

XLP911WEWE

Pack	Cat No.	
		Audio Jack Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP911WEWE	3.5mm audio jack, female plug

XLP943WEWE

XLP943/2WEWE

Pack	Cat No.	
		USB Outlets Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP943WEWE	1 gang USB (2.0) female outlet
5	XLP943/2WEWE	Double USB (2.0)

XLP950WEWE

Pack	Cat No.	
		DVI Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP950WEWE	1 gang DVI outlet

XLP900AUWEWE

Pack	Cat No.	
		VGA and Audio Jack Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP900AU WEWE	VGA and 3.5 audio jack

XLP900USBWEWE

Pack	Cat No.	
		VGA and USB Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP900USB WEWE	VGA and USB (2.0) outlet

XLP904R2WEWE

Pack	Cat No.	
		RGB and RCA Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP904R2WEWE	RGB and White/Red RCA outlet

XLP904USBWEWE

Pack	Cat No.	
		RGB and USB Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP904USB WEWE	RGB and USB (2.0) outlet

XLP904R3WEWE

Pack	Cat No.	
		RGB and RCA Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP904R3WEWE	RGB and Yellow/Red/White RCA outlet

XLP904/2WEWE

Pack	Cat No.	
		RGB Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP904/2WEWE	Double RGB outlet

XLP904SVWEWE

Pack	Cat No.	
		RGB and S Video Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP904S-VWEWE	RGB and S video outlet

XLP946WEWE

Pack	Cat No.	
		WiFi outlets
5	XLP945WEWE	WiFi access point, frequency band 802.11b/g, 802.11A
5	XLP946WEWE	WiFi access point with jack, frequency band 802.11b/g, 802.11A
5	XLP947WEWE	WiFi cover plate white gloss
5	XLP948WEWE	WiFi frame

XLP949WEWE

Pack	Cat No.	
		WiFi accessories
5	XLP949WEWE	WiFi mounting block white
5	XLP949WB	WiFi wall box 42mm

XL770TO

Pack	Cat No.	
		Telephone outlets Plate size: 73 x 117mm Mounting centres: 84mm
10	XL770TO	Excel telephone outlet to suit Telecom 610 socket
10	XLP770TO	Excel telephone outlet to suit Telecom 610 socket **(Gloss)**

XL770/1RJ2

Pack	Cat No.	
		Modular series RJ outlets Plate size: 117 x 73mm Mounting centres: 84mm
10	XL770/1RJ2	Single RJ45 outlet (phone/data, Cat 5E)
10	XLP770/1RJ2	Single RJ45 outlet (phone/data, Cat 5E) **(Gloss)**
10	XL770/2RJ2	Double RJ45 outlet (phone/data, Cat 5E)
10	XLP770/2RJ2	Double RJ45 outlet (phone/data, Cat 5E) **(Gloss)**
10	XL770/1RJ1	Single RJ45 outlet
10	XLP770/1RJ1	Single RJ45 outlet **(Gloss)**
10	XL770/2RJ1	Double RJ12 outlet
10	XLP770/2RJ1	Double RJ12 outlet **(Gloss)**

XL222/2T

Pack	Cat No	
		Double size communication outlet combinations Plate size: 117 x 146mm
1	XL222/2T	10A double powerpoint, 2 x F connectors and 2 x RJ45 sockets (8P8C - Cat 5E), 2 horizontal plates tall
1	XL222PA/2T	10A double powerpoint with surge protection, 2 x F connectors and 2 x RJ45 sockets (8P8C - Cat 5E), 2 horizontal plates tall

XL422PA/3T

Pack	Cat No	
		Triple size communication outlet combinations Plate size: 117 x 219mm
1	XLV424/3W	2x 10A double powerpoint, 4 x F connectors and 2 x RJ45 sockets (8P8C - Cat 5E), 3 vertical plates wide
1	XL422PA/3T	1x 10A double powerpoint with surge protection, 1 x 10A double powerpoint, 2 x F connectors and 2 x RJ45 sockets (8P8C - Cat 5E), 3 horizontal plates tall
1	XLV6/3W	3 x 10A double vertical powerpoints. 3 vertical plates wide

XL770/1CX

Pack	Cat No	
		Standard size TV and FM-TV outlets Standard size: 73 x 117mm Mounting centres: 84mm
10	XL770/1CX	75 ohm coax outlet
10	XLP770/1CX	75 ohm coax outlet **(Gloss)**
10	XL770/1FCX	75 ohm coax to F connector
10	XLP770/1FCX	75 ohm coax to F connector **(Gloss)**

XLA770/1CX

Pack	Cat No	
		Architrave TV outlets Plate size: 32 x 68mm Mounting centres: 70mm
10	XLA770/1CX	75 ohm coax outlet

XL770F

Pack	Cat No	
		F connector pay-TV outlet Plate size: 73 x 117mm Mounting centres: 84mm
10	XL770F	F connector for cable, microwave & satelite TV. 75 ohm, 1G rated (Foxtel Approval No: G21)
10	XLP770F	F connector for cable, microwave & satelite TV. 75 ohm, 1G rated **(Gloss)** (Foxtel Approval No: G21)

Excel range commercial and hospitality

XLP917WEWE

Pack	Cat No.	
		Buzzers Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP917WEWE	Buzzer 230V
5	XLP918WEWE	Electronic buzzer 12/24/48V

XLP919WEWE

Pack	Cat No.	
		Shutter Switches Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm 500W, 3 Wire
5	XLP919WEWE	Relay control shutter switch
5	XLP920WEWE	Direct control shutter switch

XLP921WEWE

Pack	Cat No.	
		Temperature Control Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP921WEWE	Thermostat control HVAC

XLP924WEWE
XLP925WEWE

Pack	Cat No.	
		Hotel Room Indicators Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP924WEWE	Room indicator push
5	XLP925WEWE	Room control lamp and bell

XLP926WEWE

XLP927WEWE

XLP928WEWE

XLP928WEWE

Pack	Cat No.	**Illuminated Signs** Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm Labels available on PDF, printed on standard transparent paper.
5	XLP926WEWE	Illuminated sign with White LED
5	XLP927WEWE	Illuminated sign with Blue LED
5	XLP928WEWE	Illuminated sign Green/Red LED, dual scenario

XLP931WEWE

Pack	Cat No.	**Bulkhead Lights** Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP930WEWE	Red bulkhead light 12/24V
5	XLP931WEWE	White bulkhead light 12/24V
5	XLP932WEWE	Green bulkhead light 12/24V
5	XLP933WEWE	Blue bulkhead light 12/24V
5	XLP934WEWE	Red bulkhead light 230V
5	XLP935WEWE	White bulkhead light 230V
5	XLP936WEWE	Green bulkhead light 230V
5	XLP937WEWE	Blue bulkhead light 230V

XLP939WEWE

XLP940WEWE

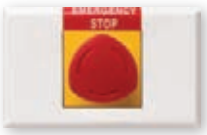
Pack	Cat No.	**Skirting Lights** Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP939WEWE	Skirting light permanent
5	XLP940WEWE	Skirting light with PIR sensor and sound

XLP912WEWE

Pack	Cat No.	**Movement sensor switches** Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP912WEWE	Movement sensor 3 wire 1000W
5	XLP913WEWE	Movement sensor 2 wire 400W

XLP914WEWE

Pack	Cat No.	**No-touch switch** Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP914WEWE	No-touch switch


XLP915WEWE

Pack	Cat No.	**Emergency Switch** Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP915WEWE	Emergency stop mushroom

XLP941WEWE

Pack	Cat No.	**Emergency Light** Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP941WEWE	Power failure safety light

Excel Range switches 230 - 240V a.c.

XL770/1

Pack	Cat No.	Switches are supplied with Cat. No. 770M unless otherwise specified. These are interchangeable with any 770, 769, 707 series mechanism. Available to Public Works Department (PWD) specification with rear-screwed plate mounting of mechanisms. **Vertical standard size switches** Plate size 73 x 117mm Mounting centres: 84mm
10	XL770/0	Blank grid with blank cover
10	XLP770/0	Blank grid with blank cover **(Gloss)**
10	XL770/1	10A 1 gang standard size switch
10	XLP770/1	10A 1 gang standard size switch **(Gloss)**
10	XL770/2	10A 2 gang standard size switch
10	XLP770/2	10A 2 gang standard size switch **(Gloss)**
10	XL770/3	10A 3 gang standard size switch
10	XLP770/3	10A 3 gang standard size switch **(Gloss)**
10	XL770/4	10A 4 gang standard size switch
10	XLP770/4	10A 4 gang standard size switch **(Gloss)**
10	XL770/5	10A 5 gang standard size switch
10	XLP770/5	10A 5 gang standard size switch **(Gloss)**
10	XL770/6	10A 6 gang standard size switch
10	XLP770/6	10A 6 gang standard size switch **(Gloss)**

XLA770/1

Pack	Cat No.	**Architrave switches** Plate size 35 x 84mm Mounting centres: 70mm
10	XLA770/1	10A 1 gang architrave switch, 35 x 84mm, 70mm mounting centres
10	XLA770/2	10A 2 gang architrave switch, 35 x 84mm, 70mm mounting centres
10	XLA770/3	10A 3 gang architrave switch, 35 x 110mm, 95mm mounting centres
10	XLA770/4	10A 4 gang architrave switch, 35 x 135mm, 120mm mounting centres

XL770/2H

Pack	Cat No.	**Horizontal standard size switches** Plate size 117 x 73mm. Mounting centres: 84mm
10	XL770/1H	10A 1 gang standard size switch
10	XLP770/1H	10A 1 gang standard size switch **(Gloss)**
10	XL770/2H	10A 2 gang standard size switch
10	XLP770/2H	10A 2 gang standard size switch **(Gloss)**
10	XL770/3H	10A 3 gang standard size switch
10	XLP770/3H	10A 3 gang standard size switch **(Gloss)**
10	XL770/4H	10A 4 gang standard size switch
10	XLP770/4H	10A 4 gang standard size switch **(Gloss)**
10	XL770/5H	10A 5 gang standard size switch
10	XLP770/5H	10A 5 gang standard size switch **(Gloss)**
10	XL770/6H	10A 6 gang standard size switch
10	XLP770/6H	10A 6 gang standard size switch **(Gloss)**

XLW770V1

Pack	Cat No.	**Standard size weatherproof switches, IP56** Plate size 73 x 117mm. Mounting centres: 84mm.
3	XLW770H1	10A 1 gang standard size switch for horizontal mounting
3	XLPW770H1	10A 1 gang standard size switch for horizontal mounting **(Gloss)**
3	XLW770H2	10A 2 gang standard size switch for horizontal mounting
3	XLPW770H2	10A 2 gang standard size switch for horizontal mounting **(Gloss)**
3	XLW770V1	10A 1 gang standard size switch for vertical mounting
3	XLPW770V1	10A 1 gang standard size switch for vertical mounting **(Gloss)**
3	XLW770V2	10A 2 gang standard size switch for vertical mounting
3	XLPW770V2	10A 2 gang standard size switch for vertical mounting **(Gloss)**

XL1036

Pack	Cat No.	**Heavy duty rocker switches, range switch isolators** Plate size 73 x 117mm. Mounting centres: 84mm. Mechanism size 41 x 63 x 13mm deep from back of plate.
10	XL1036	40A, 240V a.c. single pole switch with looping terminals
10	XLP1036	40A, 240V a.c. single pole switch with looping terminals **(Gloss)**
10	XL1036N	40A, 240V a.c. single pole switch with neon indicator
10	XLP1036N	40A, 240V a.c. single pole switch with neon indicator **(Gloss)**
10	XL1036P	40A, 415V a.c. double pole switch & terminal for common neutral & earth
10	XLP1036P	40A, 415V a.c. double pole switch & terminal for common neutral & earth **(Gloss)**
10	XL1036PN	40A, 415V a.c. double pole switch with neon indicator & terminal for common neutral & earth

XLTD770/1

Pack	Cat No.	**Time delay switches** Plate size 73 x 117mm. Mounting centres: 84mm. Available in white only. Cover plates in various colours are sold separately - refer to Excel accessories.
3	XLTX770/1	10A time delay switch, 3-wire. Push start/push restart. 1 sec to 239 hrs time adjustment.
3	XLTX770/1A	10A time delay switch, 2-wire. Push start/push restart. 1 sec to 239 hrs time adjustment.
3	XLTX770/1NC	10A time delay switch, 3-wire. Push start/push restart, normally closed contacts. 1 sec to 239 hrs time adjustment.
3	XLTX770/2	10A time delay switch, 3-wire. Push start/push stop. 1 sec to 239 hrs time adjustment.
3	XLTX770/2A	10A time delay switch, 2-wire. Push start/push stop. 1 sec to 239 hrs time adjustment.
3	XLTX770/2NC	10A time delay switch, 3-wire. Push start/push stop, normally closed contacts. 1 sec to 239 hrs time adjustment.
3	XLTX770/3	10A repeat cycle timer, 3-wire. Choice of 8 time cycles - 15s, 1 min, 5 min, 15 min, 1 hr, 4 hrs, 12 hrs, 24 hrs.
3	XLTX770/3A	10A repeat cycle timer, 2-wire. Choice of 8 time cycles - 15s, 1 min, 5 min, 15 min, 1 hr, 4 hrs, 12 hrs, 24 hrs.
3	XLTF770/1	Fan time delay, 2-wire: 3, 10 & 20 minutes
3	XLTD770/1	2.5A time delay switch, 2-wire. 1, 3 & 10 minutes, push start/push restart

XL770TH

Pack	Cat No.	**Light switch with timer** Plate size 117 x 73mm. Mounting centres: 84mm. Available in white only. Auto, manual or random operation. 500W incand. 500VA dichroic/fluoro/fan motors. 7VA min load.
10	XL770T	1 gang light switch with programmable digital 24hr & 7 day timer. Vertical mounting.
10	XLP770T	1 gang light switch with programmable digital 24hr & 7 day timer. Vertical mounting. **(Gloss)**
10	XL770TH	1 gang light switch with programmable digital 24hr & 7 day timer. Horizontal mounting.
10	XLP770TH	1 gang light switch with programmable digital 24hr & 7 day timer. Horizontal mounting. **(Gloss)**

XL632

Pack	Cat No.	
		Automatic light switch Plate size 73 x 117mm. Mounting centres: 84mm. Available in white only. Cover plates available in Matt Silver (PLMS), Polished Silver (PLPS), Polished Brass (PLPB) and White (PLWE) - sold separately
10	XL632	Automatic light switch for internal use. Rated 600VA, min load 7VA. Vertical mounting. Light switches on automatically when someone enters the room and switches off after a preset time if no further movement detected. Manual override.
10	XLP632	Automatic light switch for internal use. Rated 600VA, min load 7VA. Vertical mounting. Light switches on automatically when someone enters the room and switches off after a preset time if no further movement detected. Manual override. **(Gloss)**

XL770/2RX

Pack	Cat No.	
		Remote controlled switch Plate size: 73 x 117mm. Mounting centres: 84mm. Available in white only. Cover plates in various colours are sold seperately - refer to Excel accessories.
3	XL770/2RX	Remote/touch switch rated 600VA, min load 7VA. Remote control (included) range up to 9m.

XL770/1KLIO

Pack	Cat No.	
		Keylock Switches Plate size: 73 x 117mm. Mounting centres: 84mm. Supplied with Cat. No. 770M mechanism. Also available in 15A and 20A. Specify. Note: For common keys, add CK to Cat. No. no of switch required eg. XL770/1KLICK.
10	XL770/1KLO	10A keylock switch, with key removable in off position
10	XLP770/1KLO	10A keylock switch, with key removable in off position **(Gloss)**
10	XL770/1KLIO	10A keylock switch, with key removable in on or off position
10	XLP770/1KLIO	10A keylock switch, with key removable in on or off position **(Gloss)**

XL770VCKT1

Pack	Cat No.	
		VingCard KeyTag switches Plate size: 73 x 117mm. Mounting centres: 84mm. Available in white only. Activation by insertion of a VingCard (not supplied). Base pocket style KeyTags are available with plastic cover plates only. **Replacement market only.**
10	XL770VCKT1	2 x 20A switches & neon in base pocket
10	XL770VCKT3	2 x 20A switches & neon in base pocket, 10A independent switch & neon above
10	XL770VCKT4	3 x 20A switches in base pocket
10	XL770VCKT5	3 x 20A switches in base pocket, 10A independent switch above
10	XL770VCKT6	3 x 20A switches in base pocket, 10A independent switch & neon above
10	XL770VCKT7	2 x 20A switches & neon in top pocket
10	XL770VCKT8	2 x 20A switches & neon in top pocket, 10A independent switch below
10	XL770VCKT9	2 x 20A switches & neon in top pocket, 10A independent switch & neon below
10	XL770VCKT10	3 x 20A switches in top pocket

10	XL770VCKT11	3 x 20A switches in top pocket, 10A independent switch below
10	XL770VCKT12	3 x 20A switches in top pocket, 10A independent switch & neon below
10	XL770VCKT13	3 x 20A switches & neon in base pocket
10	XL770VCKT14	4 x 20A switches in base pocket
10	XL770VCKT15	3 x 20A switches & neon in top pocket
10	XL770VCKT16	4 x 20A switches in top pocket

XL770KM1

Pack	Cat No.	**KeyCard switches** Plate size: 73 x 117mm. Mounting centres: 84mm. Available in white only. Activation by insertion of a room access card, (not supplied). Base pocket style KeyTags are available with plastic cover plates only.
10	XL770KM1	2 x 20A switches & neons in base pocket
10	XL770KM2	2 x 20A switches & neons in base pocket, 10A independent switch above
10	XL770KM3	2 x 20A switches & neons in base pocket, 10A independent switch & neon above
10	XL770KM7	2 x 20A switches & neons in top pocket
10	XL770KM8	2 x 20A switches & neons in top pocket, 10A independent switch below
10	XL770KM9	2 x 20A switches & neons in top pocket, 10A independent switch & neon below

XL770KT1

Pack	Cat No.	**KeyTag switches** Plate size: 73 x 117mm. Mounting centres: 84mm. Supplied with Cat. No. 770/20KTM switches inside pockets, Cat. No. 707M neons (opal in pocket, red outside), Cat. No. 770T3 blank tag. The KeyTag mechanisms supplied are interchangeable with other mechs. Detailed below.Base pocket style KeyTags are available with plastic cover plates only.
10	XL770KT1	2 x 20A switches & neon in base pocket
10	XL770KT2	2 x 20A switches & neon in base pocket, 10A independent switch above
10	XL770KT3	2 x 20A switches & neon in base pocket, 10A independent switch & neon above
10	XL770KT4	3 x 20A switches in base pocket
10	XL770KT5	3 x 20A switches in base pocket, 10A independent switch above
10	XL770KT6	3 x 20A switches in base pocket, 10A independent switch & neon above
10	XL770KT7	2 x 20A switches & neon in top pocket
10	XL770KT8	2 x 20A switches & neon in top pocket, 10A independent switch below
10	XL770KT9	2 x 20A switches & neon in top pocket, 10A independent switch & neon below
10	XL770KT10	3 x 20A switches in top pocket
10	XL770KT11	3 x 20A switches in top pocket, 10A independent switch below
10	XL770KT12	3 x 20A switches in top pocket, 10A independent switch & neon below
10	XL770KT13	3 x 20A switches & neon in base pocket
10	XL770KT14	4 x 20A switches in base pocket
10	XL770KT15	3 x 20A switches & neon in top pocket
10	XL770KT16	4 x 20A switches in top pocket
		KeyTags
10	770T3	Keytag, 100mm long, with removable insert

Excel Range permanent connection units

Pack	Cat No.	
5	XLP770/2PC	2 gang plate with cord clamp, 1 x 10A mech **(Gloss)**
5	XLP770/2PC15	2 gang plate with cord clamp, 1 x 15A mech **(Gloss)**

Excel Range powerpoints 230 - 240V a.c.

XL787

Pack	Cat No.	**Single powerpoints** Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL787	10A single powerpoint
10	XLP787	10A single powerpoint **(Gloss)**
10	XL787S	10A single powerpoint with safety shutter
10	XLP787S	10A single powerpoint with safety shutter **(Gloss)**
10	XL787R	10A single powerpoint with round earth
10	XLP787R	10A single powerpoint with round earth **(Gloss)**
10	XL787NS	10A single powerpoint with neon & safety shutter
10	XL787RS	10A single powerpoint with round earth & safety shutter
10	XL787RNS	10A single powerpoint with round earth, neon & safety shutter
10	XL787/15	15A single powerpoint
10	XLP787/15	15A single powerpoint **(Gloss)**
10	XL787/15S	15A single powerpoint with shutters
10	XLP787/15S	15A single powerpoint with shutters **(Gloss)**
10	XL787/15NS	15A single powerpoint with neon & safety shutter
10	XL787/20	20A single powerpoint, triple spacing between single & powerpoint
10	XLP787/20	20A single powerpoint **(Gloss)** ,triple spacing between single & powerpoint
10	XL787/20N	20A single powerpoint with neon
10	XL787/25	25A single powerpoint
10	XLP787/25	25A single powerpoint **(Gloss)**
10	XL787/25N	25A single powerpoint with neon
10	XL787/32	32A single powerpoint
10	XLP787/32	32A single powerpoint **(Gloss)**

Pack	Cat No.	**Single powerpoints, double pole** Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL787P	10A single powerpoint, double pole
10	XL787PN	10A single powerpoint, double pole with neon
10	XL787PR	10A single powerpoint, double pole with round earth

XL787X

Pack	Cat No.	**Single powerpoints with extra switch** Plate size: 117 x 73mm. Mounting centres: 84mm
5	XL787X	10A single powerpoint with extra switch
5	XLP787X	10A single powerpoint with extra switch **(Gloss)**
5	XL787XS	10A single powerpoint with extra switch & safety shutter
5	XLP787XS	10A single powerpoint with extra switch & safety shutter **(Gloss)**
5	XL787XNS	10A single powerpoint with extra switch, neon & safety shutter **(Gloss plate available)**
5	XL787XR	10A single powerpoint with extra switch & round earth
10	XL787XRS	10A single powerpoint with extra switch, round earth & safety shutter
10	XL787X15WE	15A single powerpoint with extra switch

XL787XNV

Pack	Cat No.	**No-volt powerpoints** Plate size: 117 x 73mm. Mounting centres: 84mm When power to the circuit is interrupted (no volt) the relay drops out. After power is restored, the relay must be manually reset. Ideal for load shedding of non essential loads. Allows greater restart without in-rush loads.
5	XL787XNV	10A single powerpoint with extra switch, no volt
5	XLP787XNV	10A single powerpoint with extra switch, no volt **(Gloss)**
5	XL787XNV15	15A single powerpoint with extra switch

XL787/2X

Pack	Cat No.	**Single powerpoints with 2 extra switches** Plate size: 117 x 73mm. Mounting centres: 84mm
5	XL787/2X	10A single powerpoint with 2 extra switches
5	XLP787/2X	10A single powerpoint with 2 extra switches **(Gloss)**
10	XL787/2XS	10A single powerpoint with 2 extra switches & safety shutter
1	XLP787/2XS	10A single powerpoint with 2 extra switches & safety shutter **(Gloss)**

XL787ID

Pack	Cat No	**Single powerpoints with blanking inserts** Plate size: 117 x 73mm. Mounting centres: 84mm
5	XL787ID	10A single powerpoint with white ID insert
5	XL787IDCL	10A single powerpoint with clear ID insert
5	XLP787IDCL	10A single powerpoint with clear ID insert **(Gloss)**

XLV787/2X

Pack	Cat No	**Vertical single powerpoints with 2 extra switches** Plate size: 73 x 117mm. Mounting centres: 84mm
10	XLV787/2X	10A vertical single powerpoint with 2 extra switches
10	XLPV787/2X	10A vertical single powerpoint with 2 extra switches **(Gloss)**
10	XLV787/2XS	10A vertical single powerpoint with 2 extra switches & safety shutters
10	XLPV787/2XS	10A vertical single powerpoint with 2 extra switches & safety shutters **(Gloss)**

XLV787

Pack	Cat No	**Vertical single powerpoints** Plate size: 73 x 117mm. Mounting centres: 84mm
10	XLV787	10A vertical single powerpoint
10	XLPV787	10A vertical single powerpoint **(Gloss)**
10	XLV787S	10A vertical single powerpoint with safety shutter
10	XLPV787S	10A vertical single powerpoint with safety shutter **(Gloss)**
5	XLV787/15	15A vertical single powerpoint
5	XLPV787/15	15A vertical single powerpoint **(Gloss)**
5	XLV787/15S	15A vertical single powerpoint with safety shutter
5	XLPV787/15S	15A vertical single powerpoint with safety shutter **(Gloss)**
10	XLV787R	10A vertical single powerpoint with round earth
		Vertical single powerpoints with extra switch Plate size: 73 x 117mm. Mounting centres: 84mm
5	XLV787X	10A vertical single powerpoint with extra switch **(Gloss plate available)**
5	XLV787XS	10A vertical single powerpoint with extra switch & safety shutter
5	XLPV787XS	10A vertical single powerpoint with extra switch & safety shutter **(Gloss)**

XL777

NEW

XL777ES

Pack	Cat No.	**Double powerpoints** Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL777	10A double powerpoint
10	XLP777	10A double powerpoint **(Gloss)**
10	XLP777ES	10A double GPO with external rotary switch shutter **(Gloss)**
10	XL777S	10A double powerpoint with safety shutters
10	XLP777S	10A double powerpoint with safety shutters **(Gloss)**
10	XL777NS	10A double powerpoint, neons & safety shutters
10	XL777R	10A double powerpoint with round earths

10	XLP777R	10A double powerpoint with round earths **(Gloss)**
10	XL777RS	10A double powerpoint with round earths & safety shutters
10	XL777/1015	Double powerpoint with 10A & 15A outlets
10	XLP777/1015	Double powerpoint with 10A & 15A outlets **(Gloss)**
10	XL777/1015S	Double powerpoint with 10A & 15A outlets & safety shutters
10	XL777/1015NS	Double powerpoint with 10A & 15A outlet, neons & safety shutters
10	XL777CH	10A double powerpoint, chemical resisitant (available in white only)
10	XL777/15	15A double powerpoint
10	XLP777/15	15A double powerpoint **(Gloss)**
10	XL777/15S	15A double powerpoint with safety shutters
10	XLP777/15S	15A double powerpoint with safety shutters **(Gloss)**
10	XL777/15NS	15A double powerpoint, neons & safety shutters
		Double powerpoints, double pole Plate size: 117 x 73mm. Mounting centres: 84mm
10	XLP777P15	15A double pole double powerpoint **(Gloss)**

XL777X

Pack	Cat No.	**Double powerpoints with extra switch** Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL777X	10A double powerpoint with extra switch
10	XLP777X	10A double powerpoint with extra switch **(Gloss)**
10	XL777XS	10A double powerpoint with extra switch & safety shutters
10	XLP777XS	10A double powerpoint with extra switch & safety shutters **(Gloss)**
10	XL777XNS	10A double powerpoint with extra switch, 2 neons & safety shutters
10	XL777X3NS	10A double powerpoint with extra switch, 3 neons & safety shutters
1	XL777XCH	10A double powerpoint, with extra switch. Chemical resistant
10	XL777X15	15A double powerpoint with extra switch
10	XL777X35O	10A double powerpoint with extra 35A switch "oven" engraved
10	XLP777X35O	10A double powerpoint with extra 35A switch "oven" engraved **(Gloss)**

XL777ID

Pack	Cat No	**Double powerpoints with blanking insert** Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL777ID	10A double powerpoint with white ID insert
10	XL777IDCL	10A double powerpoint with clear ID insert
10	XLP777IDCL	10A double powerpoint with clear ID insert **(Gloss)**

XLV777

Pack	Cat No.	**Vertical double powerpoints** Plate size: 73 x 117mm. Mounting centres: 84mm
10	XLV777	10A double powerpoint
10	XLPV777	10A double powerpoint **(Gloss)**
10	XLV777S	10A double powerpoint with safety shutters
10	XLPV777S	10A double powerpoint with safety shutters **(Gloss)**
10	XLP777/15S	15A double powerpoint with safety shutters **(Gloss)**

XLV777X

Pack	Cat No	**Vertical double powerpoints with extra switch** Plate size: 73 x 117mm. Mounting centres: 84mm
10	XLV777X	10A double powerpoint with extra switch
10	XLV777XS	10A double powerpoint with extra switch & safety shutters
10	XLPV777XS	10A double powerpoint with extra switch & safety shutters **(Gloss)**

XL792B

Pack	Cat No	**Double slimline powerpoints** Plate size: 157 x 50mm. Mounting centres: 137mm
5	XL792B	10A double slimline powerpoint with busbar link
5	XL792B15	15A double slimline powerpoint with busbar link
5	XL792NS	10A double slimline powerpoint, 2 neons & safety shutters with busbar link
5	XL792/15	15A double slimline powerpoint with busbar link
1	XL792/0A	Double slimline grid & cover, flat blank 34 x 57 x 2.5mm thick may be punched or drilled (no mechs)

XL7774

Pack	Cat No	**Four-in-one powerpoint** Plate size: 190.5 x 72.5mm. Mounting centres: 84mm Available in white only. Suits 137/1 mounting block.
5	XL7774	10A Four-in-one powerpoint
5	XLP7774	10A Four-in-one powerpoint **(Gloss)**

XL7775

Pack	Cat No	**Multiple powerpoints, 5 gang** Plate size: 250 x 72.5mm. Mounting centres: 84mm Available in white only. Includes mounting block and conduit adapter.
10	XL7775	10A 5 gang powerpoint with 5 switched outlets
10	XL7775/1	10A 5 gang powerpoint with 4 switched outlets plus 1 x 10A switch
10	XL7775/2	10A 5 gang powerpoint with 4 switched outlets plus 2 x 10A switch

XL787B

Pack	Cat No	**Power monitor** Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL787B	10A power monitor. Brownout protecting single powerpoint
10	XLP787B	10A power monitor. Brownout protecting single powerpoint **(Gloss)**
10	XL787B15	15A power monitor. Brownout protecting single powerpoint
10	XLP787B15	15A power monitor. Brownout protecting single powerpoint **(Gloss)**

XL777EL10

Pack	Cat No	**Electresafe powerpoints, 10mA tripping** Plate size: 117 x 73mm. Mounting centres: 84mm
2	XL777EL10	10mA Electresafe powerpoint, 10A
2	XLP777EL10	10mA Electresafe powerpoint, 10A **(Gloss)**
2	XL777EL10N	10mA Electresafe powerpoint with 'supply available' neon, 10A
2	XL777EL10N3	10mA Electresafe powerpoint with 3 neons, 10A

XL777EL30

Pack	Cat No	**Electresafe powerpoints, 30mA tripping** Plate size: 117 x 73mm. Mounting centres: 84mm
2	XL777EL30	30mA Electresafe powerpoint, 10A
2	XLP777EL30	30mA Electresafe powerpoint, 10A **(Gloss)**
2	XL777EL30N	30mA Electresafe powerpoint with 'supply available' amber neon, 10A
2	XL777EL30N3	30mA Electresafe powerpoint with switched outlet neons, 10A
2	XL777EL30/1015	30mA Electresafe powerpoint with 10A & 15A outlets

2	XLP777EL30/1015	30mA Electresafe powerpoint with 10A & 15A outlets **(Gloss)**
2	XL777EL30G	30mA Electresafe powerpoint for generators, 10A
2	XLP777EL30G	30mA Electresafe powerpoint for generators, 10A **(Gloss)**
1	XL777EL30G1015	30mA Electresafe powerpoint for generators, 10A & 15A outlets

XL770EL30WE

Pack	Cat No.	**Electresafe wall mounted safety switches** Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL770EL10N1	Electresafe 10mA wall mounted safety switch with 1 neon
10	XL770EL10N2	Electresafe 10mA wall mounted safety switch with 2 neons
10	XL770EL10	Electresafe 10mA wall mounted safety switch
10	XL770EL30	Electresafe 30mA wall mounted safety switch

XL798/0

Pack	Cat No	**Excel shaver supply outlets** Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL798/O	Excel shaver outlet

XL798/777EL30

Pack	Cat No	**Excel shaver supply outlets with double powerpoint** Plate size: 114 x 177mm. Mounting centres: 84mm Available in white only
1	XL798/777	Excel shaver outlet & 10A double powerpoint
1	XL798/777EL30	Excel shaver outlet & 10A double powerpoint with 30mA safety switch
1	XL798/777X	Excel shaver outlet & 10A double powerpoint and extra switch

Dimmers and fan controllers 230-240V a.c.

XL400L

Pack	Cat No	**Leading edge light dimmers, EMC compliant** Plate size: 73 x 117mm. Mounting centres: 84mm. Refer to technical pages at the back of this Section for more information.
3	XL250L	250VA light dimmer, leading edge
3	XLP250L	250VA light dimmer, leading edge **(Gloss)**
3	XL400L	400VA light dimmer, leading edge
3	XLP400L	400VA light dimmer, leading edge **(Gloss)**
3	XL700L	700VA light dimmer, leading edge
3	XLP700L	700VA light dimmer, leading edge **(Gloss)**
1	XL1000L	1000VA light dimmer, leading edge
1	XLP1000L	1000VA light dimmer, leading edge **(Gloss)**
1	XL1000ERC	1000VA light dimmer/fan controller, leading edge, for remote mounting. Available in white only. Control plate suits all standard-sized mounting accessories - 84mm centres. Plate size: 117mm H x 73mm W x 13mm D from back of plate. Remote unit 190mm H x 100mm W x 46mm D overall.
1	XLP1000ERC	1000VA light dimmer/fan controller, leading edge, for remote mounting. Available in white only. Control plate suits all standard-sized mounting accessories - 84mm centres. Plate size: 117mm H x 73mm W x 13mm D from back of plate. Remote unit 190mm H x 100mm W x 46mm D overall. **(Gloss)**
3	XL2000ERC	2000VA light dimmer/fan controller, leading edge, for remote mounting. Available in white only. Control plate suits all standard-sized mounting accessories - 84mm centres. Plate size: 117mm H x 73mm W x 13mm D from back of plate. Remote unit 190mm H x 100mm W x 46mm D overall.
3	XLP2000ERC	2000VA light dimmer/fan controller, leading edge, for remote mounting. Available in white only. Control plate suits all standard-sized mounting accessories - 84mm centres. Plate size: 117mm H x 73mm W x 13mm D from back of plate. Remote unit 190mm H x 100mm W x 46mm D overall. **(Gloss)**

XL400T

Pack	Cat No	**Trailing edge light dimmers, EMC compliant** Plate size: 73 x 117mm. Mounting centres: 84mm. Refer to technical pages at the back of this Section for more information.
3	XL250T	250VA light dimmer, trailing edge
3	XLP250T	250VA light dimmer, trailing edge **(Gloss)**
3	XL400T	400VA light dimmer, trailing edge
3	XLP400T	400VA light dimmer, trailing edge **(Gloss)**
3	XL700T	700VA light dimmer, trailing edge
3	XLP700T	700VA light dimmer, trailing edge **(Gloss)**
3	XL1000T	1000VA light dimmer, trailing edge
3	XLP1000T	1000VA light dimmer, trailing edge **(Gloss)**

XLP450P

Pack	Cat No	**Universal push button light dimmers, EMC compliant** Plate size: 73 x 117mm. Mounting centres: 84mm Refer to technical pages at the back of this Section for more information. Available in high gloss white, black, cream and matt silver (with white or black rim)
3	XLP450P	450W push button light dimmer, universal **(Gloss)**

XL300F

Pack	Cat No	**Fan controllers** Plate size: 73 x 117mm. Mounting centres: 84mm 230 - 240V a.c. Must be matched to fan type. Refer to technical pages at the back of this section for more information.
3	XL300F	300VA fan controller
3	XLP300F	300VA fan controller **(Gloss)**
3	XL650ET	650VA timed fan speed controller with auto switch-off. Min load 60VA. Timer switches off load after approximately 2 hours, manually resettable. Also suited for controlling resistive loads. Suitable for ceiling sweep & ceiling exhaust fans.
3	XL475	100VA de-hummer 3-speed fan controller with 3.3 µF + 4.7 µF capacitors.
3	XLP475	100VA de-hummer 3-speed fan controller with 3.3 µF + 4.7 µF capacitors. **(Gloss)**
3	XL475/1	100VA de-hummer 3-speed fan controller with 1.5 µF + 2.5 µF capacitors. Not suitable for multigang plate installations.
3	XLP475/1	100VA de-hummer 3-speed fan controller with 1.5 µF + 2.5 µF capacitors. Not suitable for multigang plate installations. **(Gloss)**
3	XL475/2	100VA de-hummer 3-speed fan controller with 1.5 µF + 2.5 µF capacitors. Suitable for multigang plate installations.
3	XLP475/2	100VA de-hummer 3-speed fan controller with 1.5 µF + 2.5 µF capacitors. Suitable for multigang plate installations. **(Gloss)**

Cover plates and grids with cover plates

XL770/1PL

Pack	Cat No	Available in various colour and metallic finishes - please refer to colour options page at the back of this Section for details of codes and surcharges. Please note that not all plates are available in every colour and/or metallic finish. Not all plates have been listed, however, plates are available for all products. **Standard size switch cover plate only** Plate size: 73 x 117mm.Mounting centres: 84mm Plates available for all Excel prducts (not all listed). Can be used for horizontal and vertical switches.
10	XL770/0PL	Blank cover plate only
10	XLP770/0PL	Blank cover plate only **(Gloss)**
10	XL770/1PL	Cover plate only for 1 gang switch
10	XLP770/1PL	Cover plate only for 1 gang switch **(Gloss)**
10	XL770/2PL	Cover plate only for 2 gang switch
10	XLP770/2PL	Cover plate only for 2 gang switch **(Gloss)**
10	XL770/3PL	Cover plate only for 3 gang switch
10	XLP770/3PL	Cover plate only for 3 gang switch **(Gloss)**
10	XL770/4PL	Cover plate only for 4 gang switch
10	XLP770/4PL	Cover plate only for 4 gang switch **(Gloss)**
10	XL770/5PL	Cover plate only for 5 gang switch
10	XLP770/5PL	Cover plate only for 5 gang switch **(Gloss)**
10	XL770/6PL	Cover plate only for 6 gang switch
10	XLP770/6PL	Cover plate only for 6 gang switch **(Gloss)**

XL770/3GPL

Pack	Cat No	**Standard size grids and cover plate only (no mechs)** Plate size: 73 x 117mm. Mounting centres: 84mm. Colour surcharges might apply - please see Colour options and surcharges page. Please note that not all plates are available in every colour. Not all plates have been listed, however, plates are available for all Excel products.
10	XL770/1GPL	1 gang standard size grid & cover plate only
10	XLP770/1GPL	1 gang standard size grid & cover plate only **(Gloss)**
10	XL770/2GPL	2 gang standard size grid & cover plate only
10	XLP770/2GPL	2 gang standard size grid & cover plate only **(Gloss)**
10	XL770/3GPL	3 gang standard size grid & cover plate only
10	XLP770/3GPL	3 gang standard size grid & cover plate only **(Gloss)**
10	XL770/4GPL	4 gang standard size grid & cover plate only
10	XLP770/4GPL	4 gang standard size grid & cover plate only **(Gloss)**
10	XL770/5GPL	5 gang standard size grid & cover plate only
10	XLP770/5GPL	5 gang standard size grid & cover plate only **(Gloss)**
10	XL770/6GPL	6 gang standard size grid & cover plate only
10	XLP770/6GPL	6 gang standard size grid & cover plate only **(Gloss)**
		Architrave switch cover plate only (matt only) Plate size: 35 x 84mm. Mounting centres: 70mm
20	XLA770/1PL	Cover plate only for 1 gang switch
20	XLA770/2PL	Cover plate only for 2 gang switch
20	XLA770/3PL	Cover plate only for 3 gang switch
20	XLA770/4PL	Cover plate only for 4 gang switch

		Architrave switch grids and cover plate only (no mechs)
20	XLA770/1GPL	1 gang architrave grid & cover plate only
20	XLA770/2GPL	2 gang architrave grid & cover plate only
10	XLA770/3GPL	3 gang architrave grid & cover plate only
10	XLA770/4GPL	4 gang architrave grid & cover plate only
		Heavy duty rocker cover plate only
20	XL1036PL	Cover plate only for heavy duty rocker switch
20	XLP1036PL	Cover plate only for heavy duty rocker switch **(Gloss)**

XL792/4

Pack	Cat No	**Slimline grids and cover plate only (no mechs)** Plate size: 157 x 50mm. Mounting centres: 137mm.
10	XL792/0A	Double slimline grid & cover, flat blank 34 x 57 x 2.5mm thick. May be punched or drilled.
10	XL792/02A	Double slimline 2 gang grid & cover,flat blank 34 x 57 x 2.5mm thick.
10	XL792/4	Four gang grid & cover. Accepts 4 x RJ sockets with adaptor, or other mecs.

XL770U

Pack	Cat No	**Universal grid cover plate** Plate size: 117 x 73mm. Mounting centres: 84mm A multi purpose plate, used by electronics manufacturers as a base for a variety of switching applications.
10	XL770U	Excel universal plate
10	XLP770U	Excel universal plate **(Gloss)**

XL787PL

Pack	Cat No	**Single powerpoint cover plate only** Plate size: 117 x 73mm. Mounting centres: 84mm.
10	XL787PL	Cover plate only for single powerpoint
10	XLP787PL	Cover plate only for single powerpoint **(Gloss)**
10	XL787XPL	Cover plate only for single powerpoint with extra switch
10	XLP787XPL	Cover plate only for single powerpoint with extra switch **(Gloss)**
20	XL787NSPL	Cover plate only for single powerpoint with neon
10	XL7872XPL	Cover plate only for single powerpoint with 2 extra switches
10	XL787/20PL	Cover plate only for single 20A powerpoint
10	XLP787/20PL	Cover plate only for single 20A powerpoint **(Gloss)**

XL777PL

Pack	Cat No	**Double powerpoint cover plate only** Plate size: 117 x 73mm. Mounting centres: 84mm.
10	XL777PL	Cover plate for double powerpoint
10	XLP777PL	Cover plate for double powerpoint **(Gloss)**
10	XL777XPL	Cover plate for double powerpoint with extra switch
10	XLP777XPL	Cover plate for double powerpoint with extra switch **(Gloss)**
20	XL777NSPL	Cover plate for double powerpoint with neon

XLDC

Pack	Cat No	
		Double size cover plate only (matt only) Plate size: 144 x 116.5mm or 116.5 x 114mm, 230.5 x 72.5mm or 72.5 x 230.5mm. Mounting centres: 84mm. Enables 2 x Excel units to be mounted side by side or one above each other. Choose from 4 different layouts. Specify layout and cover function when ordering. Please contact us for an order form.
10	XLDC	Double size cover plate only
		Triple size cover plate only (matt only) Plate size: 117 x 213mm or 213 x 117mm. Mounting centres: 84mm. Enables 3 x excel standard size units to be mounted side by side or above each other. Choose from 2 different layouts. Specify layout and cover functions when ordering. Please contact us for an order form.
1	XLTC	Triple size cover plate only
		Four-in-one powerpoint cover plate only Plate size: 190.5 x 72.5mm. Mounting centres: 84mm.
5	XL7774PL	Cover plate only for Four-in-one powerpoint, White only

XL770TOPL

Pack	Cat No	
		Telephone outlet cover plate only Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL770TOPL	Telephone outlet plate
10	XLP770TOPL	Telephone outlet plate **(Gloss)**

XL770/1D3

Pack	Cat No	
		Computer grids and plates only Plate size: 117 x 73mm. Mounting centres: 84mm.
10	XL770/1D1	Computer outlet plate for 1 x 9 pin (CP9) D connector socket
10	XL770/2D1	Computer outlet plate for 2 x 9 pin (CP9) D connector sockets
10	XL770/1D2	Computer outlet plate for 1 x 15 pin (CP9) D connector socket

Plain caps

Pack	Cat No.	
		Plain blank flush caps
100	FLUSHCAPS	Plain blank flush caps only. (Packet of 100).

800/2CL

Pack	Cat No.	
		Identification products
10	800	Blanking piece, suits all 770 series switch plates
10	800LH	Blanking piece with hole for potentiometer mounting, suits all 770 series switch plates.
10	800ID	Blanking piece engraved - Not Safety Switch Protected. Suits all 770 series switch plates.
50	800/2	Blanking insert with opaque cap. Suits all 770 series switch plates.
50	800/2CL	Blanking insert with clear cap. Suits all 770 series switch plates.
50	800/2CL1	Die cut labels for circuit identification to suit Cat. No. 800/2CL
1	800/2CL3	Blank die-cut paper for Cat. No. 800/2CL2 circuit ID kit. 10 sheets per pack. Specify: WE (white); BU (blue); RED (red); or YE (yellow)
		Paint blisters
1	XL1FB	Paint blister

Colour Options for the Excel Range

Section 2

How to order

Excel Range is available in various colours and metallic finishes.
When ordering add ordering code/s to the end of Cat. No.

e.g. XLP777**BU**, XL777**BLMS**

Please note: Not all colours and/or metallic finishes are available on all products. Please check when ordering. Minimum quantities may apply.

XLP

High Gloss Cover Plate

Gloss Finish Colours Available

White	Cream	Beige	Mist Grey	Brown	Black
WE	**CR**	**BE**	**MG**	**BR**	**BL**

XL

Regular Cover Plate

Matt Finish Colours Available

White	Cream	Beige	Mist Grey	Brown	Black	Red	Blue	Green
WE	**CR**	**BE**	**MG**	**BR**	**BL**	**RED**	**BU**	**GR**

Metallic Finishes Available

Polished Silver	Matt Silver	Stainless Steel*	Stone Metal	Brushed Brass*	Polished Brass
PS	**MS**	**SS**	**SM**	**BB**	**PB**

*Solid Metal

Excel Range

Section 2

Dimmers specifications table

Cat. No.	Type	Maximum load	Minimum load	Incandescent	240V Linear halogen	GU10 240V halogen downlights	Low voltage halogen with wirewood (Iron Core) transformers *	Low voltage halogen with electronic transformers	Ceiling fan
Dimmers									
XL250L	Leading edge	250VA	10VA	✓	✓	✓	✓	×	×
XL250T	Trailing edge	250VA	10VA	✓	✓	×	×	✓	×
XL400L	Leading edge	400VA	10VA	✓	✓	✓	✓	×	×
XL400T	Trailing edge	400VA	10VA	✓	✓	×	×	✓	×
XLP450P	Universal	450VA	10VA	✓	✓	✓	✓	✓	×
XL700L	Leading edge	700VA	10VA	✓	✓	✓	✓	×	×
XL700T	Trailing edge	700VA	10VA	✓	✓	×	×	✓	×
XL1000L	Leading edge	1000VA	10VA	✓	✓	✓	✓	×	×
XL1000T	Trailing edge	1000VA	10VA	✓	✓	×	×	✓	×
Remote-mounted dimmers									
XL1000ERC	Leading edge	1000VA	75VA	✓	✓	×	✓	See note	✓
XL2000ERC	Leading edge	2000VA	75VA	✓	✓	×	✓	See note	✓

Note

Some electronic transformers state that they are compatible with Leading Edge Dimmers. However, significant de-rating of the dimmer is usually required. Therefore, HPM recommends the use of Trailing Edge Dimmers (HPM Cat. No. XL400T, XL700T or XL1000T) for these applications. If it is necessary to use a Leading Edge Dimmer, then please refer to the Dimming Electronic Transformers information sheet enclosed with the product.

* When using wirewound transformers, ensure the transformers are marked "suitable for dimming" and de-rate the dimmer by 20%.

How many electronic transformers can I use?

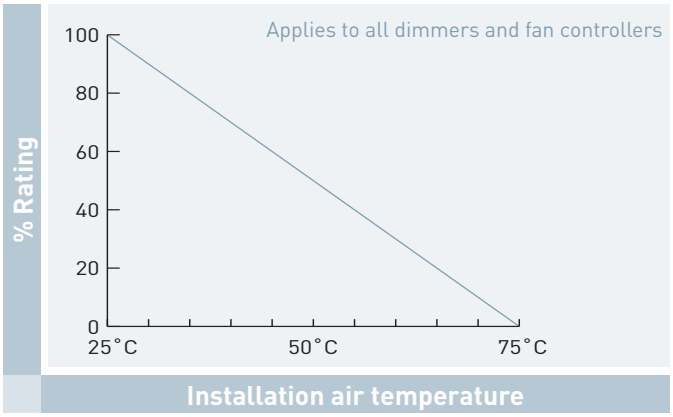
Electronic transformer model	XL400T	XL700T	XL1000T
Max number of transformers per dimmer			
Nelson MTECOUGAR60	8	14	20
Nelson MTETRADE65			
Nelson MTECONT70			
Nelson MTEFOX60			
Nelson MTEICE60			
Nelson MTEKITTY60			
Nelson MTEMICRO60			
Nelson MTEPBS60			
	Assumes 1 x 50W lamp per transformer		
Nelson MTECONT105	4	7	10
Nelson MTEFLAT105			
Nelson MTEFOX105			
Nelson MTEICE105			
Nelson MTEKITTY105			
	Assumes 2 x 50W lamp per transformer		

This table is an example only. Other models of electronic transformers may be used.

Selecting the correct fan controller

Cat. No.	Maximum load	Minimum load
Fan controllers		
XL300F	300VA	40VA
XL475	100VA	-
XL475/1	100VA	-
XL475/2	100VA	-
Timed fan controller		
XL650ET	650VA	60VA

- **Cat. No. XL475, XL475/1** and **XL475/2** are capacitive type controllers that will eliminate motor humming. These can control only a single fan. All other fan controllers are capable of controlling multiple fans up to their maximum load.
- The capacitor values in **Cat. No. XL475/1** and **XL475/2** are the same, and have been selected to suit most fan models. The only difference between the two is that **Cat. No. XL475/2** can be installed on a multi-gang plate with other switches or dimmers.
- If Cat. No. XL475/1 or XL475/2 cause the fan to operate too slowly, **Cat. No. XL475** should be used instead.
- **Cat. No. XL650ET** has an in-built two hour timer and will automatically switch off after this time.



Excel Range

Section 2

Time delay switches table

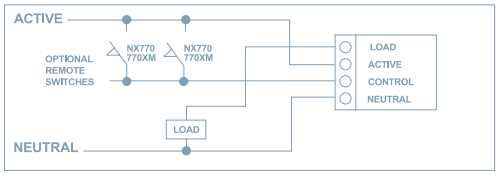
Cat. No.	Maximum load	Neutral required	Mode of operation*	Normally open or Normally closed	Remote control	Timing range
Excel time delay switches						
XLTD770/1	600VA	No	Re-trigger	Normally open	Yes	1, 3 and 10 min
XLTX770/1	2400VA	Yes	Re-trigger	Normally open	Yes	1 sec - 239 hrs
XLTX770/2	2400VA	Yes	Toggle	Normally open	Yes	1 sec - 239 hrs
XLTX770/3	2400VA	Yes	Repeat cycle	Normally open	Yes	15 sec - 24 hrs cycle
XLTX770/1A	2400VA	No	Re-trigger	Normally open	Yes	1 sec - 239 hrs
XLTX770/2A	2400VA	No	Toggle	Normally open	Yes	1 sec - 239 hrs
XLTX770/3A	2400VA	No	Repeat cycle	Normally open	Yes	15 sec -24 hrs cycle
XLTX770/1NC	2400VA	Yes	Re-trigger	Normally closed	Yes	1 sec - 239 hrs
XLTX770/2NC	2400VA	Yes	Toggle	Normally closed	Yes	1 sec - 239 hrs
XLTF770/1	2400VA (lamp) 600VA (fan)	No	Fan delay	Normally open	No	3, 10 and 20 min

- Re-trigger means that a button press during the timing cycle will re-start the timing cycle.
- Toggle means that a button press during the timing cycle will stop the timing cycle.
- Fan delay means that the fan remains on for a certain period after the light is turned off. A light must be connected for the unit to operate.

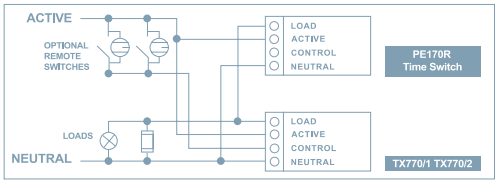
Information

Some HPM time delay switches may have compatibility issues with some types of compact fluorescent lamp or electronic ballast when the load is small. This may cause the lamp to flicker slightly in the off state. It can be overcome by increasing the size of the load, or by connecting a resistive load in parallel. for more information, please contact HPM Technical Support on 1300 369 777

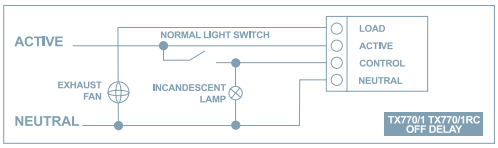
Wiring diagrams



Example application with remote switches.

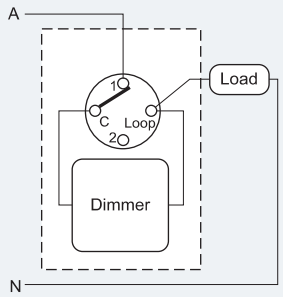


A Cat No. PE170R photoelectric switch is programmed to turn external lights on at dusk and off at a pre-programmed time to save energy. Outside of these hours, lights can be turned on for a timed period by the TX770 or remote push buttons.

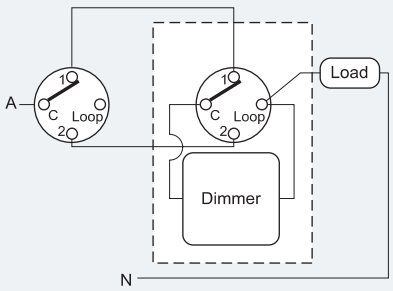


A fan runs for a certain period after light switch is turned off.

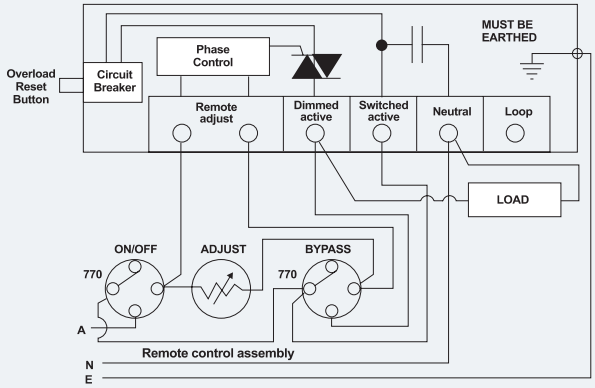
Wiring diagrams



One-way switching with dimmer

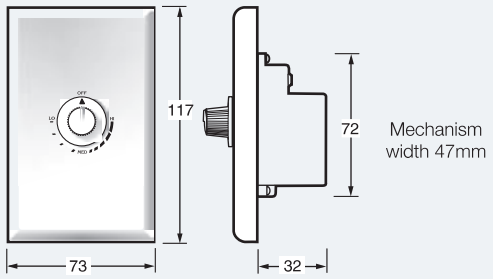


Two-way switching with dimmer

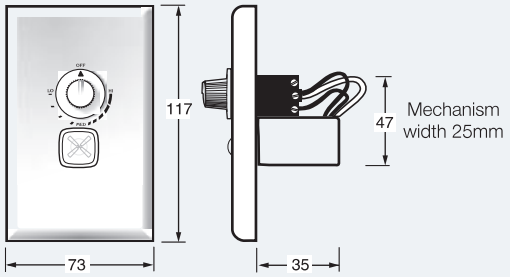


XL1000ERC and XL2000ERC

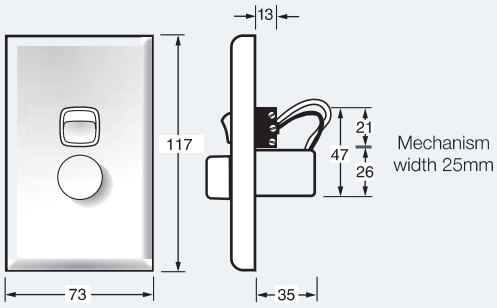
Installation dimensions



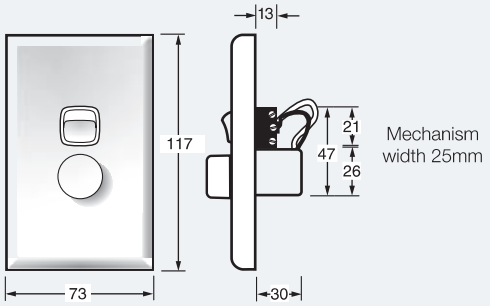
XL475, XL475/1



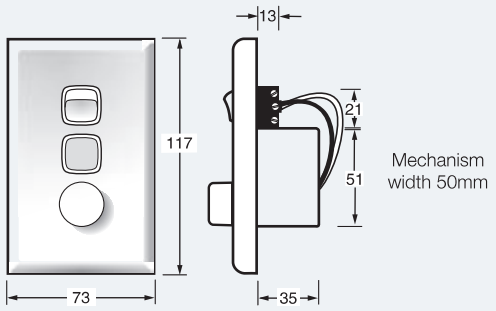
XL475/2



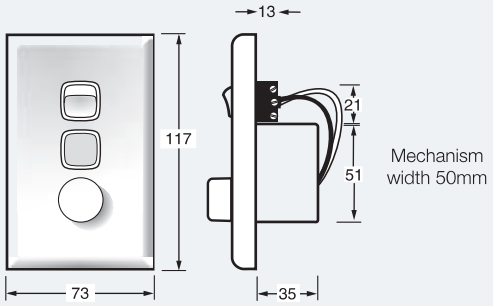
XL300F



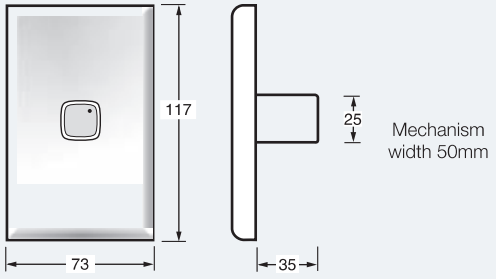
XL250L, XL250T, XL400L, XL400T



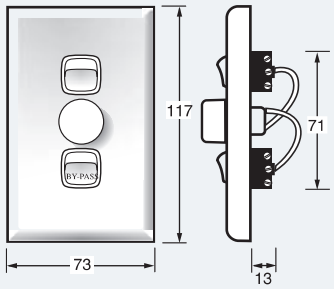
XL700L, XL700T

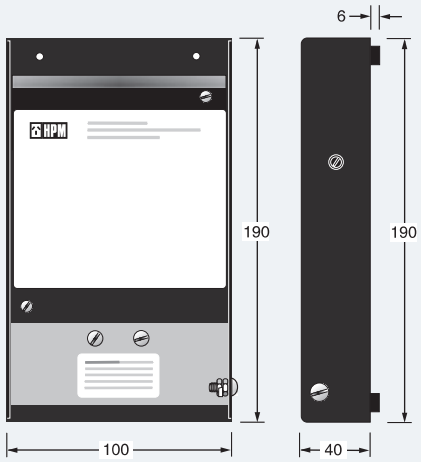


XL1000L, XL1000T

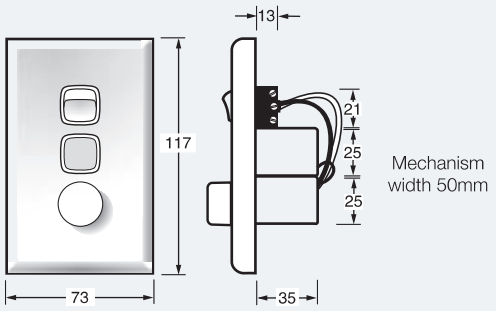


XL450P





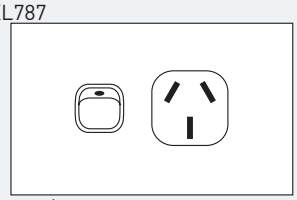
XL1000ERC, XL2000ERC

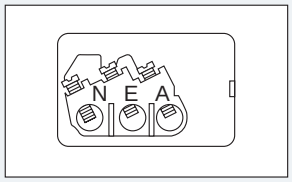


XL650ET

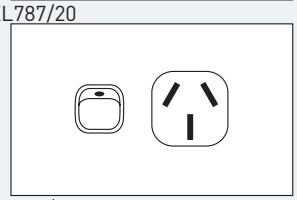
Single powerpoints

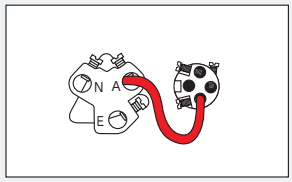
XL787



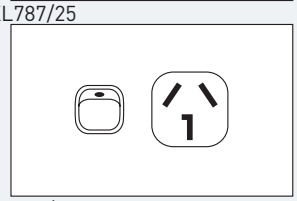


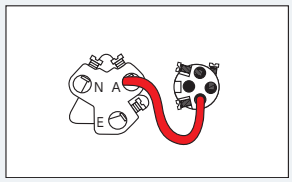
XL787/20



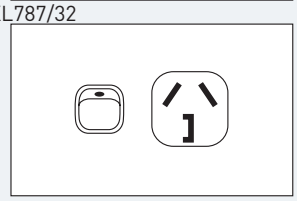


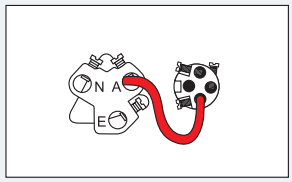
XL787/25





XL787/32

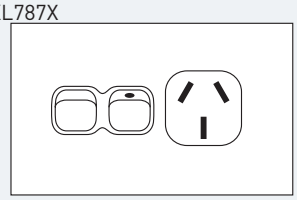


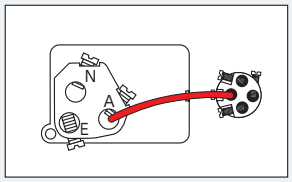


Cat No.	
XL787	Plate size: 117 x 73mm. Mounting centres: 84mm
XL787/20	Plate size: 117 x 73mm. Mounting centres: 84mm
XL787/25	Plate size: 117 x 73mm. Mounting centres: 84mm
XL787/32	Plate size: 117 x 73mm. Mounting centres: 84mm

Single powerpoints with extra switch

XL787X

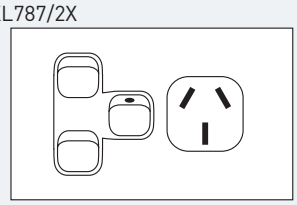


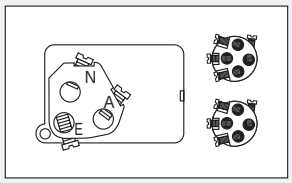


XL787X	Plate size: 117 x 73mm. Mounting centres: 84mm

Single powerpoints with 2 extra switches

XL787/2X

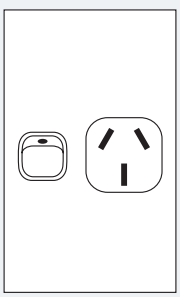


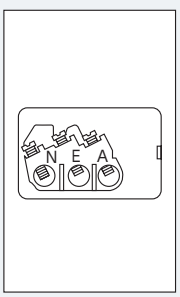


XL787/2X	Plate size: 117 x 73mm. Mounting centres: 84mm

Vertical single powerpoint

XLV787



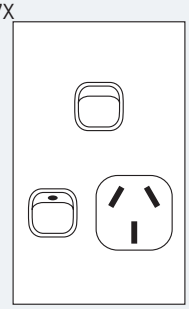


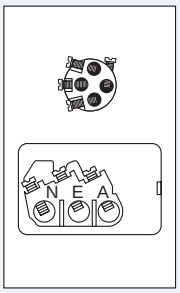
XLV787	Plate size: 73 x 117mm. Mounting centres: 84mm

Excel Range

Vertical single powerpoints with extra switch

XLV787X

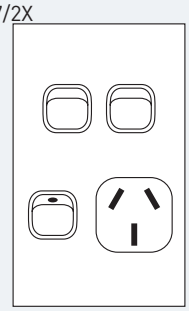


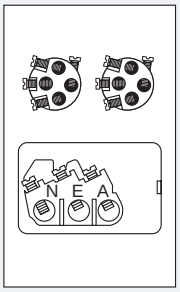


Cat No.	
XLV787X	Plate size: 70 x 114mm. Mounting centres: 84mm

Vertical single powerpoints with 2 extra switches

XLV787/2X

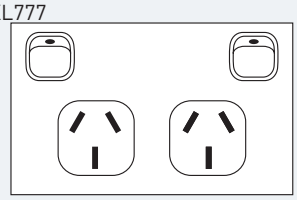


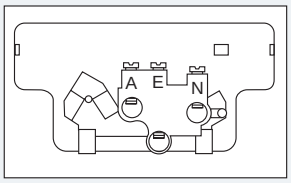


XLV787/2X	Plate size: 73 x 117mm. Mounting centres: 84mm

Double powerpoints

XL777

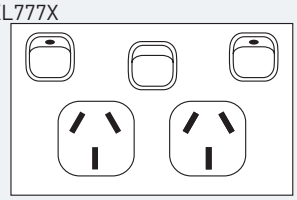


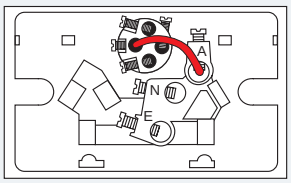


XL777	Plate size: 117 x 73mm. Mounting centres: 84mm

Double powerpoints with extra switch

XL777X

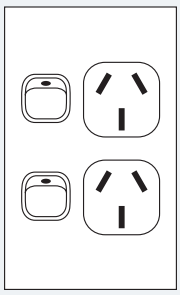


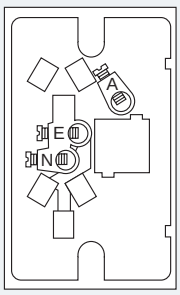


XL777X	Plate size: 117 x 73mm. Mounting centres: 84mm

Vertical double powerpoints

XLV777

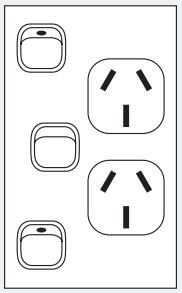


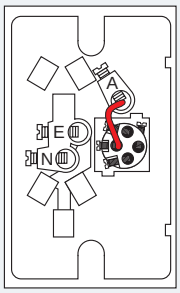


XLV777	Plate size: 73 x 117mm. Mounting centres: 84mm

Vertical double powerpoints with extra switch

XLV777X

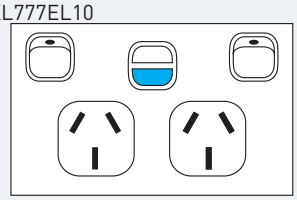


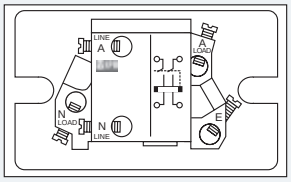


Cat No.	
XLV777X	Plate size: 73 x 117mm. Mounting centres: 84mm

Electresafe powerpoints, 10mA tripping

XL777EL10

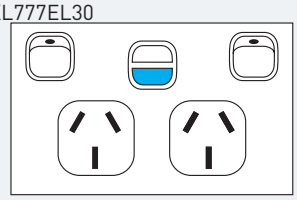


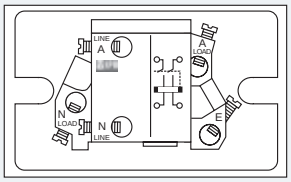


XL777EL10	Plate size: 117 x 73mm. Mounting centres: 84mm

Electresafe powerpoints, 30mA tripping

XL777EL30

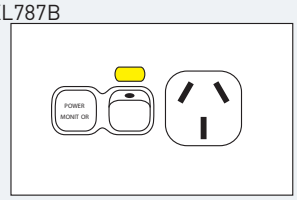


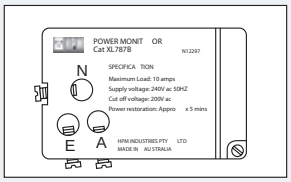


XL777EL30	Plate size: 117 x 73mm. Mounting centres: 84mm

Power brown out monitor

XL787B

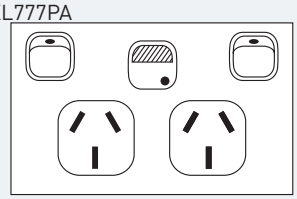


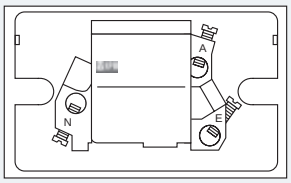


XL787B	Plate size: 117 x 73mm. Mounting centres: 84mm

Surge protecting double powerpoints

XL777PA





XL777PA	Plate size: 117 x 73mm. Mounting centres: 84mm

Linea Range

Linea Range switches 230 - 240V a.c.

LN770/1

Pack	Cat No.	**Vertical switches, 10A** Plate size: 82 x 127mm. Mounting centres: 85mm. Low 4mm profile. Available in high gloss WE (white), CR (cream) and BL (black)
10	LN770/1	10A 1 gang switch
10	LN770/2	10A 2 gang switch
10	LN770/3	10A 3 gang switch
10	LN770/4	10A 4 gang switch
10	LN770/5	10A 5 gang switch
10	LN770/6	10A 6 gang switch

LN770/1H

Pack	Cat No.	**Horizontal switches, 10A** Plate size: 127 x 82mm. Mounting centres: 84mm. Low 4mm profile. Available in high gloss WE (white), CR (cream) and BL (black)
10	LN770/1H	10A 1 gang switch
10	LN770/2H	10A 2 gang switch
10	LN770/3H	10A 3 gang switch
10	LN770/4H	10A 4 gang switch
10	LN770/5H	10A 5 gang switch
10	LN770/6H	10A 6 gang switch

LNA770/1

Pack	Cat No.	Switches are supplied with Cat. No. 770M unless otherwise specified. These are interchangeable with any 770, 769, 707 series mechanism. **Architrave switches, 10A** Plate size: 38mm wide. Low 4mm profile. Available in high gloss WE (White), CR (Cream) and BL (Black)
10	LNA770/1	10A 1 gang architrave switch. 80mm long. Mounting centres: 60mm
10	LNA770/2	10A 2 gang architrave switch. 100mm long. Mounting centres: 79mm

Linea Range powerpoints 230 -240V a.c.

LN787

Pack	Cat No.	**Single powerpoints** Plate size: 127 x 82mm. Mounting centres: 84mm, Low 4mm profile. Available in high gloss WE (white), CR (cream) and BL (black)
10	LN787	10A single powerpoint
10	LN787/15	15A single powerpoint
10	LN787X	10A single powerpoint with extra switch

LN777

NEW

LN777ES

Pack	Cat No.	**Double powerpoints** Plate size: 127 x 82mm. Mounting centres 84mm. Low 4mm profile. Available in high gloss WE (white), CR (cream) and BL (black).
10	LN777	10A double powerpoint
10	LN777X	10A double powerpoint with extra switch
10	LN777ES	10A double powerpoint with external rotary safety shutters

LN777A

NEW

LN777AES

Pack	Cat No.	**Autoswitch powerpoints 10A** Plate size: 127 x 82mm. Mounting centres 84mm. Low 4mm profile. Available in high gloss WE (white), CR (cream) and BL (black)
10	LN777A	Double autoswitch powerpoint with safety shutters & 'power on' indicator
10	LN777AES	Double autoswitch powerpoint with external rotary safety shutters

Dimmers and fan controllers

LN400LH

Pack	Cat No.	
		Leading edge light dimmers, EMC compliant, 230 - 240V a.c. Plate size: 127 x 82mm. Mounting centres: 84mm. Low 4mm profile. Available in high gloss (WE) white, CR (Cream) and BL (black)
9	LN400L	400VA light dimmer, leading edge for vertical mounting
9	LN400LH	400VA light dimmer, leading edge for horizontal mounting

LN400T

Pack	Cat No.	
		Trailing edge light dimmers, EMC compliant, 230 - 240V a.c. Plate size: 82 x 127mm. Mounting centres: 84mm. Low 4mm profile. Available in high gloss (WE) white, CR (Cream) and BL (black)
9	LN400T	400VA light dimmer, trailing edge for vertical mounting
9	LN400TH	400VA light dimmer, trailing edge for horizontal mounting

LN450P

Pack	Cat No.	
		Universal push button light dimmers, EMC compliant, 230 - 240V a.c. Plate size: 82 x 127mm. Mounting centres: 84mm. Low 4mm profile. Available in high gloss (WE) white, CR (Cream) and BL (black)
9	LN450P	450W push button light dimmer, universal for vertical mounting

LN3FC

Pack	Cat No.	
		Fan controllers Plate size: 82 x 127mm. Mounting centres: 84mm. Low 4mm profile. Available in high gloss WE (white), CR (cream) and BL (black)
9	LN3FC	100VA 3 speed fan controller for vertical mounting
9	LN3FCH	100VA 3 speed fan controller for horizontal mounting

Outlets

LN770/2CX/FCX

Pack	Cat No.	
		TV outlets Low 4mm profile. Available in high gloss WE (white), CR (cream) and BL (black)
10	LN770/1CX	TV coax outlet
10	LN770/1FCX	TV outlet PAL socket with F type connection
1	LN770/2CX/FCX	TV coax outlet & TV outlet Pal socket with F type connection

LN770/1RJ1

Pack	Cat No.	
		Telephone and data outlets Plate size: 127 x 82mm. Mounting centres 84mm. Low 4mm profile. Available in high gloss WE (white), CR (cream) and BL (black)
10	LN770/1RJ1	Single RJ12 outlet (phone)
10	LN770/1RJ2E	Single RJ45 outlet (phone/data, Cat 5E)
10	LN770/2RJ1	Double RJ12 outlet (phone)
1	LN770/2RJ2E	Double RJ45 outlet (phone/data, Cat 5E)

Linea Range grids & plates

LN770/4GPL

Pack	Cat No.	**Grids and cover plates only** Plate size: 82 x 127mm. Mounting centres 84mm. Low 4mm profile. Available in high gloss WE (white), CR (cream) and BL (black)
40	LN770/0GPL	Blank grid & cover plate only
40	LN770/1GPL	Grid & cover plate only for 1 gang switch
40	LN770/2GPL	Grid & cover plate only for 2 gang switch
40	LN770/3GPL	Grid & cover plate only for 3 gang switch
40	LN770/4GPL	Grid & cover plate only for 4 gang switch
40	LN770/5GPL	Grid & cover plate only for 5 gang switch
40	LN770/6GPL	Grid & cover plate only for 6 gang switch

LN770/5PL

Pack	Cat No.	**Cover plates only for switches** Plate size: 82 x 127mm. Mounting centres 84mm. Low 4mm profile. Available in high gloss WE (white), CR (cream), BL (black). Surcharge applies for MS (matt silver), SM (stone metal) and AS (asphalt)
40	LN770/0PL	Blank cover plate only
40	LN770/1PL	Cover plate only for 1 gang switch
40	LN770/2PL	Cover plate only for 2 gang switch
40	LN770/3PL	Cover plate only for 3 gang switch
40	LN770/4PL	Cover plate only for 4 gang switch
40	LN770/5PL	Cover plate only for 5 gang switch
40	LN770/6PL	Cover plate only for 6 gang switch

LN777PL

Pack	Cat No.	**Cover plates only for powerpoints** Plate size: 127 x 82mm. Low 4mm profile. Available in high gloss WE (white), CR (cream), BL (black). Surcharge applies for MS (matt silver), SM (stone metal) and AS (asphalt)
40	LN787PL	Cover plate only for single powerpoint
40	LN787XPL	Cover plate only for single powerpoint with extra switch
40	LN777PL	Cover plate only for double powerpoint
40	LN777APL	Cover plate for auto switch double powerpoint
40	LN777XPL	Cover plate for double powerpoint with extra switch
40	LN777ESPL	Cover plate for extra-safe double powerpoint
40	LN777AESPL	Cover plate for auto switched, extra-safe double powerpoint

Linea Range mounting accessories

LN143

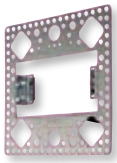
Pack	Cat No.	**Stud bracket**
10	LN143	Linea recessed stud bracket

LN711

Pack	Cat No.	**Mounting clip**
10	LN711	Linea Mounting clip to suit approx 5mm walls

LN712

Pack	Cat No.	**Mounting clip**
10	LN712	Linea Mounting clip to suit 10mm walls



LN953

Pack	Cat No.	**Plaster bracket**
10	LN953	Linea recessed plaster bracket

Wall boxes

LN429

Pack	Cat No.	**Wall box**
10	LN429	Wall box

Shrouds

LN751

Pack	Cat No.	**Shroud**
10	LN751	Shroud

Paint covers

LNPC

Pack	Cat No.	**Paint cover**
1	LNPC	Paint cover

Colour options for Linea Range

Linea is available in various colours and metallic finishes.
When ordering, add colour code/s to the end of Cat. No.

e.g. LN777A**WE**, LN777APL**MS**

Gloss finish colours available

White **WE**	Cream **CR**	Black **BL**

Metallic finishes available

Matt Silver **MS**	Asphalt **AS**	Gun Metal **GL**

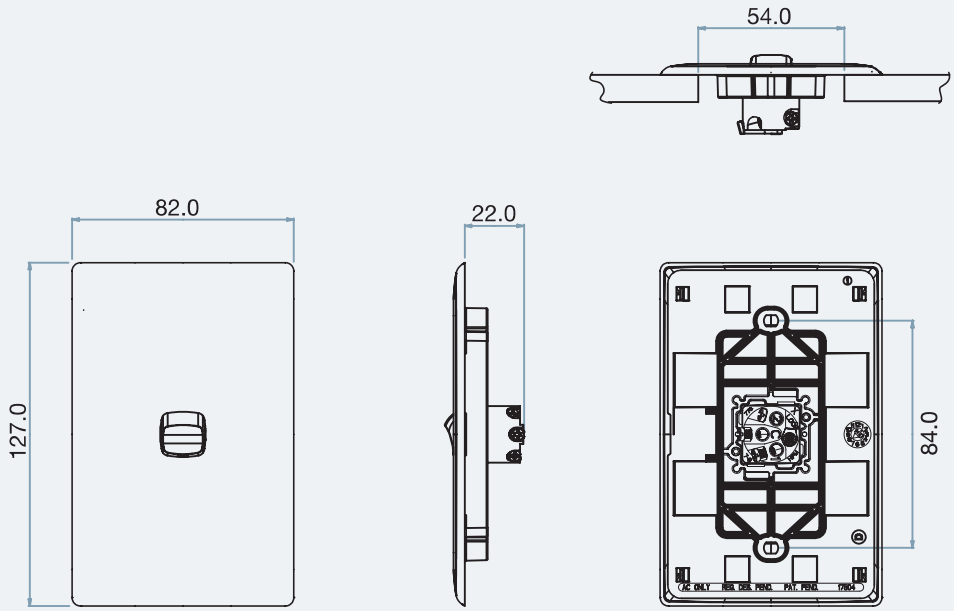
Soft-touch colours available

Runaway Bride **VA**	Ghost Gum **LG**	5 O'Clock Olive **OL**
Ninja Khaki **KH**	Wet Elephant **DG**	Midnight Dash **MI**
Sunshine **YE**	Orange Crush **OG**	Bubblegum **PI**
Saucy Red **RE**	Cheeky Boy Blue **SB**	Abracadabra **AU**

Colour options for Linea Range

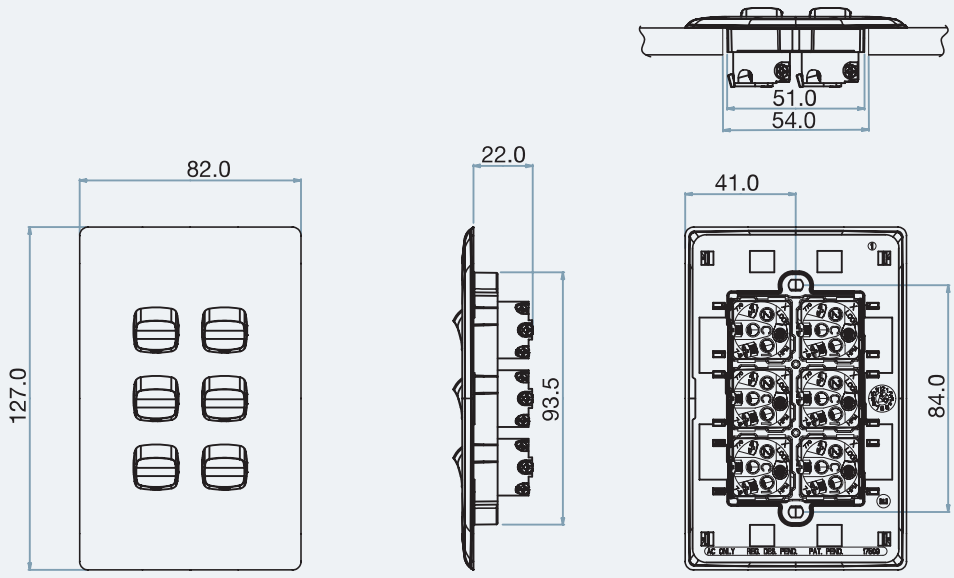
Colour	Linea 1-gang switch plate	Linea 2-gang switch plate	Linea 3-gang switch plate	Linea 4-gang switch plate	Linea 5-gang switch plate	Linea 6-gang switch plate	Linea 10A 2-gang powerpoint plate	Linea 10A 2-gang extra safety powerpoint plate	Linea 10A 2-gang extra-switch powerpoint plate	Linea 10A 1-gang powerpoint plate	Linea 10A 1-gang architrave switch plate	Linea 10A 2-gang architrave switch plate
Soft touch colours												
VA	LN770/1PLVA	LN770/2PLVA	LN770/3PLVA	LN770/4PLVA	LN770/5PLVA	LN770/6PLVA	LN777PLVA	LN777ESPLVA	LN777XPLVA	LN787PLVA	LNA770/1PLVA	LNA770/2PLVA
YE	LN770/1PLYE	LN770/2PLYE	LN770/3PLYE	LN770/4PLYE	LN770/5PLYE	LN770/6PLYE	LN777PLVA	LN777PLYE	LN777ESPLYE	LN787PLYE	LNA770/1PLYE	LNA770/2PLYE
LG	LN770/1PLLG	LN770/2PLLG	LN770/3PLLG	LN770/4PLLG	LN770/5PLLG	LN770/6PLLG	LN777PLLG	LN777ESPLLG	LN777XPLLG	LN787PLLG	LNA770/1PLLG	LNA770/2PLLG
OG	LN770/1PLOG	LN770/2PLOG	LN770/3PLOG	LN770/4PLOG	LN770/5PLOG	LN770/6PLOG	LN777PLOG	LN777ESPLOG	LN777XPLOG	LN787PLOG	LNA770/1PLOG	LNA770/2PLOG
OL	LN770/1PLOL	LN770/2PLOL	LN770/3PLOL	LN770/4PLOL	LN770/5PLOL	LN770/6PLOL	LN777PLOL	LN777ESPLOL	LN777XPLOL	LN787PLOL	LNA770/1PLOL	LNA770/2PLOL
PI	LN770/1PLPI	LN770/2PLPI	LN770/3PLPI	LN770/4PLPI	LN770/5PLPI	LN770/6PLPI	LN777PLPI	LN777ESPLPI	LN777XPLPI	LN787PLPI	LNA770/1PLPI	LNA770/2PLPI
KH	LN770/1PLKH	LN770/2PLKH	LN770/3PLKH	LN770/4PLKH	LN770/5PLKH	LN770/6PLKH	LN777PLKH	LN777ESPLKH	LN777XPLKH	LN787PLKH	LNA770/1PLKH	LNA770/2PLKH
RE	LN770/1PLRE	LN770/2PLRE	LN770/3PLRE	LN770/4PLRE	LN770/5PLRE	LN770/6PLRE	LN777PLRE	LN777ESPLRE	LN777XPLRE	LN787PLRE	LNA770/1PLRE	LNA770/2PLRE
DG	LN770/1PLDG	LN770/2PLDG	LN770/3PLDG	LN770/4PLDG	LN770/5PLDG	LN770/6PLDG	LN777PLDG	LN777ESPLDG	LN777XPLDG	LN787PLDG	LNA770/1PLDG	LNA770/2PLDG
SB	LN770/1PLSB	LN770/2PLSB	LN770/3PLSB	LN770/4PLSB	LN770/5PLSB	LN770/6PLSB	LN777PLSB	LN777ESPLSB	LN777XPLSB	LN787PLSB	LNA770/1PLSB	LNA770/2PLSB
MI	LN770/1PLMI	LN770/2PLMI	LN770/3PLMI	LN770/4PLMI	LN770/5PLMI	LN770/6PLMI	LN777PLMI	LN777ESPLMI	LN777XPLMI	LN787PLMI	LNA770/1PLMI	LNA770/2PLMI
AU	LN770/1PLAU	LN770/2PLAU	LN770/3PLAU	LN770/4PLAU	LN770/5PLAU	LN770/6PLAU	LN777PLAU	LN777ESPLAU	LN777XPLAU	LN787PLAU	LNA770/1PLAU	LNA770/2PLAU
Metalic finishes												
AS	LN770/1PLAS	LN770/2PLAS	LN770/3PLAS	LN770/4PLAS	LN770/5PLAS	LN770/6PLAS	LN777PLAS	LN777ESPLAS	LN777XPLAS	LN787PLAS	LNA770/1PLAS	LNA770/2PLAS
MS	LN770/1PLMS	LN770/2PLMS	LN770/3PLMS	LN770/4PLMS	LN770/5PLMS	LN770/6PLMS	LN777PLMS	LN777ESPLMS	LN777XPLMS	LN787PLMS	LNA770/1PLMS	LNA770/2PLMS
GL	LN770/1PLGL	LN770/2PLGL	LN770/3PLGL	LN770/4PLGL	LN770/5PLGL	LN770/6PLGL	LN777PLGL	LN777ESPLGL	LN777XPLGL	LN787PLGL	LNA770/1PLGL	LNA770/2PLGL

Vertical switches, 10A



Cat No.	
LN770/1	Plate size: 127 x 82mm. Mounting centres: 84mm

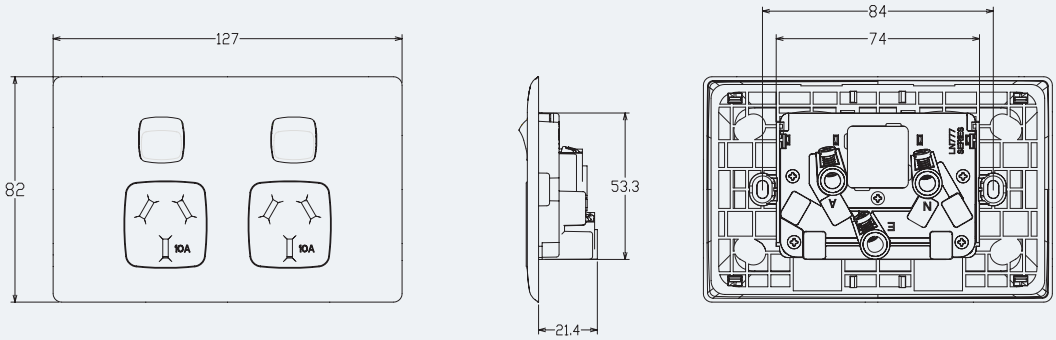
* Similar mounting centres apply to LN770/2 and LN770/3



Cat No.	
LN770/6	Plate size: 127 x 82mm. Mounting centres: 84mm

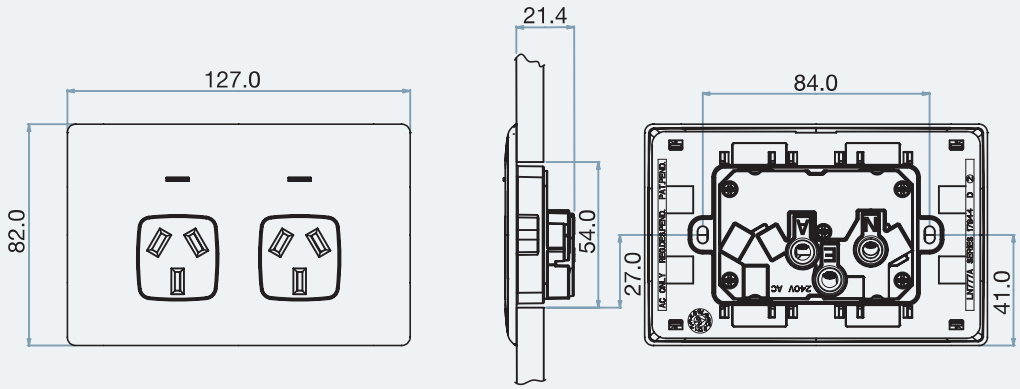
* Similar mounting centres apply to LN770/4 and LN770/5

Double powerpoints



Cat No.	
LN777	Plate size: 127 x 82mm. Mounting centres: 84mm

Autoswitch powerpoint 10A



Cat No.	
LN777A	Plate size: 127 x 82mm. Mounting centres: 84mm

Section 4

Weatherproof

Weatherproof

Excel Weatherproof switches

XLW770V1

Pack	Cat No.	**Excel weatherproof switches, IP56** Plate size 73 x 117mm. Mounting centres: 84mm. Weatherproof to IP56,
3	XLW770H1	10A 1 gang standard size switch for horizontal mounting
3	XLW770H2	10A 2 gang standard size switch for horizontal mounting
3	XLW770V1	10A 1 gang standard size switch for vertical mounting
3	XLW770V2	10A 2 gang standard size switch for vertical mounting

Aqua Range switches

WS171/1

Pack	Cat No	**WS171 series switches, IP56, surface mounting** Size 90 x 90 x 68mm. Switches are standard type dollies. IP rating reduces to IP 44 if enclosure is drilled.
3	WS171/1	10A weatherproof 1 gang switch
3	WS171/2	10A weatherproof 2 gang switch
3	WS171/4	10A weatherproof 4 gang switch
3	WS171/1/15	15A weatherproof 1 gang switch
3	WS171/1/20	20A weatherproof 1 gang switch

WS170

Pack	Cat No.	**WS 170 series switches, IP56, surface mounting.** Size 83 x 83 x 72mm. Pushouts for 6 x 25mm plain conduit entries. Supplied with adaptor Cat. No. C20PS25P and reducer Cat. No. C25/20 (for 20mm plain or screwed conduit), 1 x Cat. No. 402 connector and flush caps for covers, and mounting screws. Lockable in on or off positions.
5	WS170	10A weatherproof 1 gang switch. Supplied with 770 mech
5	WS170/15	15A weatherproof 1 gang switch. Supplied with 770/15 mech
5	WS170/20	20A weatherproof 1 gang switch. Supplied with 770/20 mech
5	WS170/202	20A weatherproof 1 gang switch. 1-2 way & loop. Supplied with 770/202 mech
5	WS170/35	35A weatherproof 1 gang switch. Supplied with 770/35M mech
5	2WS170	10A weatherproof 2 gang switch. Supplied with 2 x 770M mech
5	2WS170/15	15A weatherproof 2 gang switch. Supplied with 2 x 770/15M mech
5	WS170I	10A weatherproof 1 gang intermediate switch. Supplied with 770IM mech.
5	WS170N	10A weatherproof 1 gang switch with neon indicator. Supplied with 770M mech
5	WS170P	10A weatherproof 1 gang switch. Double pole. Supplied with 769PM mech
5	WS170/20P	20A weatherproof 1 gang switch. Double pole. Supplied with 769P20M mech
5	WS170X	15A weatherproof 1 gang push button switch. Supplied with 770XM mech.
5	2WS170PP	10A weatherproof 2 gang switch, double pole. Supplied with 2 x 769PM mechs
5	2WS170XX	15A weatherproof 2 gang push button switch with red & green buttons. Supplied with 2 x 770XM mechs

Aqua Range industrial isolating switches

WSR170

Pack	Cat No.	**WSR170 round series switches, IP 56** Size 71mm dia x 40mm deep. IP56 when mounted on a standard round conduit junction box, ('0' ring gasket provided). Lock on/lock off provision. Mounts onto standard round conduit junction box. Supplied with 770M mech.
5	WSR170	10A 1 gang round weatherproof switch.

WS170KLI

Pack	Cat No.	**Weatherproof Keylock switches, IP53** Size 83mm square x 70mm deep. Size is modular with 42 series and can be joined to other 170 and 42 series boxes using Cat. No. C25P25P or conduit. Pushouts for 6 x 25mm plain conduit entries. Supplied with Cat. No. C20PS25P adaptor and Cat. No. C25/20 reducer (for 20mm plain or screwed conduit), 1 x Cat. No. 4002 connector, flush caps for cover and mounting screws. Note: for common keys, add CK to Cat. No. no switch required eg WS170/20KLICK.
5	WS170KLI	10A weatherproof keylock switch, key removable in on position
5	WS170KLO	10A weatherproof keylock switch, key removable in off position
5	WS170KLIO	10A weatherproof keylock switch, key removable in on or off position
5	WS170/20KLI	20A weatherproof keylock switch, key removable in on position
5	WS170/20KLIO	20A weatherproof keylock switch, key removable in on or off position

42/220

Pack	Cat No.	**42 series industrial isolating switches, 3 phase, 440V AC22, IP56, Surface mounting, modular.** Size 166 x 83 x 70mm (modular with 83mm square 170 series). Plain conduit entry pushouts 2 x 25mm each side, 2 x 25mm at rear, 1 x 32mm at top, 2 x 25mm at bottom and 2 x 32mm drillouts at rear. MT type have the same except for 1 x 32mm threaded at top and 2 x 25mm threaded at bottom. Sealing flush caps provided for mounting screws. Lockable in on or off positions. Switch is rated AS/NZS3133, AS/NZS3947.3, AC22 (make/break 3 x I_n at 0.65 PF, 20 x I_n 1 sec short time rating). Motor rating M150, 3kA peak making capacity, 6kA conditional short circuit rating. 25mm max cable size. All switches are provided with straight-through neutral and earth connectors.
1	42/120	20A weatherproof switch, plain entries
1	42/120MT	20A weatherproof switch, 32mm threaded entries
1	42/220	20A weatherproof switch, 2 pole, plain entries
1	42/220MT	20A weatherproof switch, 2 pole, 32mm threaded entries
1	42/235	35A weatherproof switch, 2 pole, plain entries
1	42/235MT	35A weatherproof switch, 2 pole, 32mm threaded entries
1	42/255	55A weatherproof switch, 2 pole, plain entries
1	42/255MT	55A weatherproof switch, 2 pole, 32mm threaded entries
1	42/320	20A weatherproof switch, 3 pole, plain entries
1	42/320MT	20A weatherproof switch, 3 pole, 32mm threaded entries
1	42/335	35A weatherproof switch, 3 pole, plain entries
1	42/335MT	35A weatherproof switch, 3 pole, 32mm threaded entries
1	42/355	55A weatherproof switch, 3 pole, plain entries
1	42/355MT	55A weatherproof switch, 3 pole, 32mm threaded entries

Light-sensitive switches

PE170/10

Pack	Cat No.	**Weatherproof, light sensitive switches, IP56** Size 83 x 83 x 65mm projection. Surface mounting.
1	PE170/10	10A weatherproof light sensitive switch. Opal cover
1	PE170R	10A weatherproof light sensitive switch. Adjustable timer- switches off at a consistent time regardless of season (programmable)

Aqua Range powerpoints

WS40

Pack	Cat No.	**WS40 series powerpoints, IP53, surface-mounting** Mounting centres: Size 84 x 84 x 70mm projection with 4 mounting centres at 70 x 70mm. Pushouts at rear for 20mm and 25mm plain conduit. Supplied with Cat. No. C20PS25 and C25/20 adaptors for 20mm threaded or plain conduit. Base can be screwed to 170 mounting block. Side operating lever for switch. Can be padlocked on or off. Provided with flap to cover outlet and give IP53 protection.
5	WS40	10A weatherproof single powerpoint
5	WS40/15	15A weatherproof single powerpoint

WS53/1

Pack	Cat No.	**WS53 series powerpoints, IP53, surface mounting** Size 121 x 78 x 86mm. Available in Mist Grey (MG) & White (WE).
1	WS53/1	10A weatherproof single powerpoint, (MG), (WE)
1	WS53/1/X	10A weatherproof single powerpoint with extra switch, (MG)
1	WS53/1/15	15A weatherproof single powerpoint, (MG), (WE)
1	WS53/2	10A weatherproof double powerpoint, (MG), (WE)
1	WS53/2/15	15A weatherproof double powerpoint, (MG)

WS53F/1

Pack	Cat No.	**WS53 series powerpoints, IP53, flush mounting** Shallow mounted size 124 x 81 x 63mm. Flush mounting size 121 x 78 x 46mm. Comes complete with shallow mounting block and flush mounting shroud. Available in Mist Grey (MG) & White (WE)
1	WS53F/1	10A weatherproof single powerpoint, (MG), (WE)
1	WS53F/1/15	15A weatherproof single powerpoint, (MG)
1	WS53F/2	10A weatherproof double powerpoint, (MG), (WE)

WS54/1

Pack	Cat No.	**WS54 series powerpoints, IP54, surface mounting** Size 71 x 81 x 87mm. Available in Mist Grey (MG)
5	WS54/1	10A weatherproof single powerpoint, (MG)

WS38

Pack	Cat No.	**WS38 series weatherproof single powerpoints, IP33, surface-mounting** Size 73 x 89 x 65mm. Pushouts for 20mm plain conduit at top, sides, rear and bottom. Supplied with 2 x Cat. No. C20S20P connectors for 20mm screwed conduit. Switch padlockable in 'on' or 'off' position. Sealing flush caps provided for cover and mounting screws. Switch is 770 series, socket is 38 series.
2	WS38	10A weatherproof single powerpoint
2	WS38R	10A weatherproof single powerpoint with round earth
2	WS38P	10A weatherproof single powerpoint with double pole switch

2WS38

Pack	Cat No.	**2WS38 series weatherproof double powerpoints, IP33, surface-mounting** Size 73 x 123 x 76mm projection. Pushouts for 20mm plain conduit at top, sides, rear and bottom. Supplied with 2 x Cat. No. C20S20P adaptors for 20mm screwed conduit. Switch padlockable in 'on' or 'off' position. Sealing flush caps provided for cover and mounting screws. Switch is 770 series, socket is 38 series.
1	2WS38	10A weatherproof double powerpoint
1	2WS38R	10A weatherproof double powerpoint with round earths
1	WS38/15	15A weatherproof double powerpoint
1	2WS38P	10A weatherproof double powerpoint, with double pole switches

Weatherproof light fittings and accessories

616

Pack	Cat No.	**Bulkhead weatherproof light fittings, IP33** Mounting centres: 84mm. Size 235 dia x 110mm deep. Suitable for outdoor and wet areas. Surface or wall mounted. 51 & 84mm mounting centres. Terminal block provided. 20mm knockouts in rim, and 20mm & 35mm conduit entry in base. Grey bases available to special order.
1	616	Bulkhead weatherproof BC light fitting. Max lamp 100W. Clear diffuser, white base
1	616/1V	Bulkhead weatherproof light fitting, circular 16W energy-saving fluoro tube. White base. (Opal diffuser only - other diffusers not suitable.)
1	616DCL	Diffuser only for 616 series. - Clear

Weatherproof utility boxes and enclosures

WS45

Pack	Cat No.	**WS45 series, IP56** For surface mounting. Multi-grid 'gear-tray' accepts #6 self tapping or #6-32 screws. Pushouts for 25mm and 32mm plain conduit entry.
1	WS45	Utility box, with clear lid (45mm deep) & multi-grid, gear tray

WS44

Pack	Cat No.	**WS44 series, IP23** For surface mounting. Multi-grid 'gear-tray' accepts #6 self tapping or #6-32 screws. Pushouts for 25mm and 32mm plain conduit entry. Suitable for all Excel or Standard grids.
1	WS44	Flush mounting weatherproof enclosure with clear door
1	WS44S	Surface mounting weatherproof enclosure with clear door
1	WS44B	Mounting base for WS44, 113 x 165 x 45mm. 83mm sq x 39mm deep. 25mm conduit knockouts side of rear. IP53

Conduit entry fittings for weatherproof boxes

C20S20P

Pack	Cat No.	**Conduit entry fitting for weatherproof boxes**
25	C20S20P	Converter to join 20mm screwed conduit to box with 20mm plain entry
25	C20PS25P	Converter to join 20mm plain or screwed conduit to box with 25mm plain entry
25	C25S25P	Converter to join 25mm screwed conduit to box with 25mm plain entry
		Push-out plugs
25	P25	Pushout plug for 25mm plain conduit entry hole
25	P32	Pushout plug for 32mm plain conduit entry holes

Section 5

Standard Range

Standard Range switches 230 - 240V a.c.

770/1

Pack	Cat No.	
		Switches are supplied with Cat. No. 770M unless otherwise specified. These are interchangeable with any 770, 769, 707 series mechanism. Available to PWD specification with rear-screwed plate mounting of mechanisms. **Vertical standard size switches** Plate size: 70 x 114mm. Mounting centres: 84mm
10	770/1	10A 1 gang standard size switch
10	770/2	10A 2 gang standard size switch
10	770/3	10A 3 gang standard size switch
10	770/4	10A 4 gang standard size switch

A770/1

Pack	Cat No.	**Architrave switches** Plate size: 32mm wide. Suitable for horizontal or vertical mounting.
10	A770/1	10A 1 gang architrave switch. 68mm long. Suits 141 mounting block. Mounting centres: 57mm.
10	A770/2	10A 2 gang architrave switch. 79mm long. Suits 156 mounting block. Mounting centres: 70mm.

1A770P

Pack	Cat No.	**Deep plate surface-mount switches** Other 770, 769 or 707 series mechanisms are available. Please specify. Plate size: 34 x 81 x 21mm. Mounting centres: 60mm. Switch protrudes past mounting surface by 5mm.
10	1A770	10A 1 gang single pole switch (770M mech.)
10	1A770P	10A 1 gang double pole switch, caravan type (769PM mech.)
5	2/770	10A 2 gang single pole switch (770M mech.)
5	2/770P	10A 2 gang double pole switch, caravan type (769PM mech.)

65

Pack	Cat No.	**Older style round surface-mount switches** Available to PWD specification with rear-screwed plate mounting of mechanisms. Not suitable for module mechanisms. Plate size: 51mm diameter x 21mm deep.
10	65	10A old style surface switch, 1-2 way & loop

F1036/3

Pack	Cat No.	**Heavy duty rocker switches, switch isolators** Special integral mechanism size 41 x 63 x 13mm deep from back of plate. Plate size: 70 x 114mm. Mounting centres: 84mm.
10	F1036/3	36A, 240V a.c. single pole switch with looping terminals
10	F1036P	36A, 415V a.c. double pole switch & terminal for common neutral & earth.

TF770/1RC

Pack	Cat No.	**Time delay switches**
3	TX770/1RC	10A time delay switch, 3-wire. Push start/push restart, for remote mounting. 1 sec to 239 hrs time adjustment.
3	TX770/1RCNC	10A time delay switch, 3-wire. Push start/push restart, for remote mounting. Normally-closed contacts. 1 sec to 239 hrs time adjustment.
3	TX770/2RC	10A time delay switch, 3-wire. Push start/push stop, for remote mounting. 1 sec to 239 hrs time adjustment.
3	TX770/2RCNC	10A time delay switch, 3-wire. Push start/push stop, for remote mounting. Normally-closed contacts. 1 sec to 239 hrs time adjustment.

3	TF770/1RC	Fan time delay switch, 3, 10 & 20 min (approx) time adjustment, for remote mounting.
1	TD170/1	Weatherproof 2-wire time delay switch, 2.5A: 1, 3 & 10 min (approx) time adjustment. Replaces pneumatic type switches used in stairwells etc.

770REL1

Pack	Cat No.	**Booster relay switches for solar hot water systems, and load shedding.** Plate size: 70 x 114mm. Mounting centres: 84mm.
3	770REL1	Current held hot water booster switch, neons for boost required, on, temp OK. 4.8kW

770REL8

Pack	Cat No.	**Relay switches pack for motion sensors**
3	770REL8	Relay pack. 2400W/1900VA max. Normally open. Not suitable for devices with solid state switching , such as traics.

770/1KLI

Pack	Cat No.	**KeyLock switch, 10A** Plate size: 70 x 114mm. Mounting centres: 84mm.
10	770/1KLI	KeyLock switch, 10A, key removable in 'on' position
10	770/1KLO	KeyLock switch, 10A, key removable in 'off' position
10	770/1KLIO	KeyLock switch, 10A, key removable in 'on' or 'off' positions

600

Pack	Cat No.	**Rectangle cord-pull ceiling switches, flush mounting** Plate size: 114 x 70mm. Mounting centres: 84mm. Cut-out 70 x 48 x 35mm depth from back of plate. Supplied with clear shroud.
10	600	10A flush cord-pull ceiling switch. (770 mech).
10	600N	10A flush cord-pull ceiling switch with neon. (770 mech).
10	600X	15A flush cord-pull ceiling switch, momentary contact, changeover (770XM mech).

601

Pack	Cat No.	**Round cord-pull ceiling switches, surface mounting** Plate size: 73mm diameter. Mounting centres: 50mm. Supplied with clear rear cover.
10	601	10A surface mounting cord-pull ceiling switch. (770 mech).
10	601X	15A surface mounting cord-pull ceiling switch, momentary contact. (770XM mech).

770KT1

Pack	Cat No.	**KeyTag switches** Plate size: 70 x 114mm. Mounting centres: 84mm. Available in white only. Supplied with Cat. No. 770/20KTM switches inside pockets, Cat. No. 707M neons (opal in pocket, red outside) Cat. No. 770M switches outside pockets, and Cat. No. 770T3 blank tag. The KeyTag mechanisms supplied are interchangeable with other mechs detailed below.
10	770KT1	2 x 20A switches & neon in base pocket
10	770KT2	2 x 20A switches & neon in base pocket, 10A independent switch above

10	770KT3	2 x 20A switches & neon in base pocket, 10A independent switch & neon above
10	770KT4	3 x 20A switches in base pocket
10	770KT5	3 x 20A switches in base pocket, 10A independent switch above
10	770KT8	2 x 20A switches & neon in top pocket, 10A independent switch below
10	770KT10	3 x 20A switches in top pocket
10	770KT11	3 x 20A switches in top pocket, 10A independent switch below
10	770KT13	3 x 20A switches & neon in base pocket
10	770KT14	4 x 20A switches in base pocket
10	770KT16	4 x 20A switches in top pocket
		KeyTags
10	770T3	KeyTag, 100mm long, with removable insert

Standard Range powerpoints 230 - 240V a.c.

787

Pack	Cat No.	**Single powerpoints** Plate size: 114 x 70mm. Mounting centres: 84mm
10	787	10A single powerpoint
10	787S	10A single powerpoint with safety shutter
10	787NS	10A single powerpoint with neon & safety shutter
10	787R	10A single powerpoint with round earth
10	787/15	15A single powerpoint
10	787/15S	15A single powerpoint with safety shutter
10	787/15NS	15A single powerpoint with neon & safety shutter
10	787/20	20A single powerpoint
10	787/25	25A single powerpoint
10	787/32	32A single powerpoint

787X

Pack	Cat No.	**Single powerpoint with extra switch** Plate size: 114 x 70mm. Mounting centres: 84mm. Also available in 15A powerpoint. To order insert/15 as follows: 787/15X, 787/15XS
10	787X	10A single powerpoint with extra swith
10	787XS	10A single powerpoint with extra swith & safety shutter

787/2X

Pack	Cat No.	**Single powerpoints with 2 extra switches** Plate size: 114 x 70mm. Mounting centres 84mm
10	787/2X	10A single powerpoint with 2 extra switches

787P

Pack	Cat No.	**Double pole single powerpoints** Plate size: 114 x 70mm. Mounting centres: 84mm. Supplied with Cat. No. 769PM mechanism.
10	787P	10A double pole single powerpoint
10	787P15	15A double pole single powerpoint
10	787P20	20A double pole single powerpoint

V787

Pack	Cat No.	**Vertical single powerpoints** Plate size: 70 x 114mm. Mounting centres: 84mm
10	V787	10A vertical single powerpoint

738KL

Pack	Cat No.	**KeyLock powerpoints** Plate size: 114 x 70mm. Mounting centres: 84mm. Key removed in off position only.
10	738KL	10A KeyLock powerpoint
10	738KLN	10A KeyLock powerpoint with separate neon
10	738KL15	15A KeyLock powerpoint
10	738KLN15	15A KeyLock powerpoint with separate neon
10	738KL20	20A KeyLock powerpoint

787XNV

Pack	Cat No.	**No-volt powerpoints** Plate size: 114 x 70mm. Mounting centres: 84mm When power to the circuit is interrupted (no volt) the relay drops out. After power is re-stored, the relay must be manually reset. Ideal for load shedding of non essential loads. Allows greater restart without in-rush loads.
5	787XNV	10A no-volt single powerpoint. Comprises 787X powerpoint with electrically held relay & reset switch (770XM)
5	787XNV15	15A no-volt single powerpoint. Comprises 787/15X powerpoint with electrically held relay & reset switch (770XM)

777

Pack	Cat No.	**Double powerpoints** Plate size: 114 x 40mm. Mounting centres: 84mm
10	777	10A double powerpoint
10	777IDCL	10A double powerpoint with Cat. No. 800/2CL blanking insert with clear cap
10	777ID	10A double powerpoint with Cat. No. 800/2 blanking insert with opaque cap
10	777S	10A double powerpoint with safety shutters
10	777NS	10A double powerpoint with neons & safety shutters
10	777R	10A double powerpoint with round earths
10	777/1015	Double powerpoint with 10A & 15A outlets
10	777/15	15A double powerpoint
10	777/15S	15A double powerpoint with safety shutters

777X

Pack	Cat No.	**Double powerpoints with extra switch** Plate size: 114 x 70mm. Mounting centres: 84mm
10	777X	10A double powerpoint with extra switch
10	777XS	10A double powerpoint with extra switch & safety shutters

777P15

Pack	Cat No.	**Double pole double powerpoints** Plate size: 114 x 70mm. Mounting centres: 84mm
10	777P	10A double pole powerpoint
10	777PLK	10A double pole powerpoint with pre-wired link
10	777P15	15A double pole powerpoint

V777

Pack	Cat No.	**Vertical double powerpoints** Plate size: 70 x 114mm. Mounting centres: 84mm
10	V777	10A vertical double powerpoint
10	V777LK	10A vertical double powerpoint with pre-wired link
10	V777S	10A vertical double powerpoint with safety shutters
10	V777/15	15A vertical double powerpoint

V777X

Pack	Cat No.	**Vertical double powerpoint with extra switch** Plate size: 70 x 114mm. Mounting centres: 84mm
10	V777X	10A vertical double powerpoint with extra switch

790

Pack	Cat No.	**Single narrow powerpoint** Plate size: 98 x 46mm. Mounting centres: 79mm
10	790	10A single narrow powerpoint

792

Pack	Cat No.	**Double narrow powerpoints** Plate size: 157 x 46mm. Mounting centres: 137mm
5	792	10A double narrow powerpoint
5	792NS	10A double narrow powerpoint with neons & safety shutters
5	792/15	15A double narrow powerpoint
5	792/1015	Double narrow powerpoint with 10A &15A outlets

792B

Pack	Cat No.	**Double narrow powerpoints, busbarred for easy wiring** Plate size: 157 x 46mm. Mounting centres: 137mm
5	792B	10A double narrow powerpoint with busbar
5	792B1015	Double narrow powerpoint with busbar and 10A & 15A outlets

778/0

Pack	Cat No.	**Jumbo double powerpoint with outside holes** Plate size: 143 x 83mm. Mounting centres: 119mm
5	778/0	10A double powerpoint

3G788

Pack	Cat No.	**Large plate triple powerpoint** Plate size: 184 x 86mm. Mounting centres: 2 holes 152mm horizontal and 6mm below horizontal centre line.
5	3G788	10A single pole triple powerpoint

SQ787

Pack	Cat No.	**Square single powerpoint** Plate size: 114mm square. Mounting centres: 4 holes at 46mm horizontal and 84mm vertical and 2 holes at 84mm horizontal on centre line.
5	SQ787	10A single powerpoint

SQ777

Pack	Cat No.	
		Square double powerpoints Plate size: 114mm square. Mounting centres: 4 holes at 46mm horizontal and 84mm vertical and 2 holes at 84mm horizontal on centre line.
5	SQ777	10A double powerpoint

SQ777X

Pack	Cat No.	
		Square double powerpoint with extra switch Plate size: 114mm square. Mounting centres: 4 holes at 46mm horizontal and 84mm vertical.
5	SQ777X	10A double powerpoint with extra switch

1/788P

Pack	Cat No.	
		Deep-plate single powerpoints Plate size: 81mm square x 32mm. Mounting centres: 60mm. Mechanism 3mm shallower than mounting surface.
10	1/788	10A single pole single powerpoint
10	1/788P	10A double pole single powerpoint, caravan type
10	1/788P15	15A double pole single powerpoint, caravan type

788PXP

Pack	Cat No.	
		Deep-plate single powerpoints with extra switch Plate size: 132 x 81 x 32mm. Mounting centres: 97mm. Mechanisms are 5mm shallower than mounting surface. Powerpoint mechanisms are 3mm shallower than mounting surface. Switch and powerpoint isolated by removable insulation barriers.
5	788PXP	10A 2 pole single powerpoint with extra 2 pole switch, caravan type
5	788PX	10A 2 pole single powerpoint with extra switch

2/788P

Pack	Cat No.	
		Deep-plate double powerpoint Plate size: 132 x 81 x 32mm. Mechanism 3mm shallower than mounting surface.
5	2/788P	10A double pole double powerpoint, caravan type

777EL30

Pack	Cat No.	
		Electresafe double powerpoints, 30mA tripping Plate size: 114 x 70mm. Mounting centres: 84mm
2	777EL30	30mA Electresafe powerpoint 10A
2	777EL30/1015	30mA Electresafe powerpoint with 10A & 15A outlets
2	777EL30G	30mA Electresafe powerpoint for use on generators, 10A
2	777EL30G1015	30mA Electresafe powerpoint for use on generators, 10A & 15A outlets
1	777EL30M	30mA Electresafe module. 20A

777EL10

Pack	Cat No.	**Electresafe double powerpoints, 10mA tripping** Plate size: 114 x 70mm. Mounting centres: 84mm
2	777EL10	10mA Electresafe powerpoint 10A
2	777EL10/1015	10mA Electresafe powerpoint with 10A & 15A outlets
2	777EL10N	10mA Electresafe powerpoint with 'supply available' neon, 10A
2	777EL10N3	10mA Electresafe powerpoint with 3 neons, 10A
		RCD modules for panel mounting Plate size: 114 x 70mm. Mounting centres: 84mm
2	777EL30ES	30mA tripping RCD module, 20A double pole with mounting bracket
2	777EL10ES	10mA tripping RCD module, 20A double pole with mounting bracket

787DIN

Pack	Cat No.	**Single powerpoint, DIN rail mounting** Plate size: 67 x 44mm. 4 modules wide, 53mm projection.
10	787DIN	10A single powerpoint with DIN bracket
10	787DIN15	15A single powerpoint with DIN bracket

777CH

Pack	Cat No.	**Chemically resistant powerpoints** Plate size: 114 x 70mm. Mounting centres: 84mm
10	777CH	10A standard double powerpoint

798H

Pack	Cat No.	**Shaver supply outlets** Plate size: 184 x 85mm. mounting centres: 152mm
1	798H	Horizontal shaver outlet & single powerpoint
1	798V	Vertical shaver outlet & single powerpoint

Standard Range dimmers / fan controllers 230-240V

400L

Pack	Cat No.	**Leading edge light dimmers** Plate size: 70 x 114mm. mounting centres: 84mm Refer to technical section at back of this section for more information
3	250L	250VA light dimmer, leading edge
3	400L	400VA light dimmer, leading edge
3	700L	700VA light dimmer, leading edge
3	1000L	1000VA light dimmer, leading edge

400T

Pack	Cat No.	**Trailing edge light dimmers** Plate size: 70 x 114mm. Mounting centres: 84mm Refer to technical section at back of this section for more information
3	250T	250VA light dimmer, trailing edge
3	400T	400VA light dimmer, trailing edge
3	700T	700VA light dimmer, trailing edge
3	1000T	1000VA light dimmer, trailing edge
		Light dimmers with heatsink Plate size: 135mm square. Not suitable for mounting blocks.
1	2000E	2000VA light dimmer, leading edge. 60mm deep
1	2400E	2400VA light dimmer, leading edge. 60mm deep

650ET

Pack	Cat No.	**Fan controllers** Plate size: 70 x 114mm. Mounting centres: 84mm
3	300F	300VA fan controller
3	650ET	650VA timed fan controller with auto switch-off. Min load 60VA. Timer switches off load after approximately 2 hours, manually resettable. Also suited for controlling resistive loads.
3	650ET1	650VA timed fan speed controller with auto switch-off and reduced maximum speed. Min load 60VA. Timer switches off load after approximately 2 hours, manually resettable. Also suited to resistive loads. Reduced maximum speed feature meets Department of Public Works requirements.
3	475/1	100VA de-Hummer 3-Speed fan controller, with 1.5 µF & 2.5 µF capacitors (Not suitable for multigang plate installations)
3	475/2	100VA de-Hummer 3-Speed fan controller, with 1.5 µF & 2.5 µF capacitors (Suitable for multigang plate installations)

Standard Range outlets

1A770CX

Pack	Cat No.	**Deep-plate TV outlet**
10	1A770CX	75 ohm coax outlet, in surface mounting base

770/1CX

Pack	Cat No.	**Standard size TV** Plate size: 70 x 114mm. Mounting centres: 84mm.
10	770/1CX	75 ohm coax outlet
10	770/1FCX	75 ohm coax to F connector

770/1RJ1

Pack	Cat No.	**Modular series RJ outlets** Plate size: 114 x 70mm. Mounting centres: 84mm
10	770/1RJ2	Single RJ45 outlet (phone/data, Cat 5E)
10	770/2RJ2	Double RJ45 outlet (phone/data, Cat 5E)

Standard Range plates

Pack	Cat No.	Please note that not all plates are available in every colour. **Standard size switch cover plate only** Plate size: 114 x 70mm. Mounting centres: 84mm
20	770/0	Blank standard plate
20	770/1PL	1 gang standard switch plate
20	770/2PL	2 gang standard switch plate
20	770/3PL	3 gang standard switch plate
20	770/4PL	4 gang standard switch plate
10	770/5PL	5 gang standard switch plate
10	770/6PL	6 gang standard switch plate

A770/1PL

Pack	Cat No.	**Architrave switch plate only**
10	A770/1PL	1 gang architrave switch plate, 68 x 32mm
10	A770/2PL	2 gang architrave switch plate, 81 x 32mm
10	A770/3PL	3 gang architrave switch plate, 106 x 32mm
10	A770/4PL	4 gang architrave switch plate, 132 x 32mm
		Deep switch surface mounting plate only Plate size: 34 x 81 x 21mm. Mounting centres: 60mm.
20	1A770PL	1 gang deep plate, caravan type, for surface mounting
10	2/770PL	2 gang deep plate switch plate

AS770/1PL

Pack	Cat No.	Small architrave switch plate only
10	AS770/1PL	1 gang small architrave switch plate, 54 x 26mm
10	AS770/2PL	2 gang small architrave switch plate, 79 x 26mm

AL770/11PL

Pack	Cat No.	Intermediate size switch plate only Plate size: 95 x 44mm. Mounting centre: 55 or 79mm.
20	AL770/11PL	1 gang intermediate size switch plate. Mounting centres: 55mm
20	AL770/12PL	1 gang intermediate size switch plate. Mounting centres: 79mm
10	AL770/21PL	2 gang intermediate size switch plate. Mounting centres: 55mm
20	AL770/22PL	2 gang intermediate size switch plate. Mounting centres: 79mm

SQ770/1PL

Pack	Cat No.	Square switch plate only Mounting centres: 1-6 gang: 4 holes at 46mm horizontal and 84mm vertical and 2 holes at 84mm horizontal on centre line. 7-9 gang: 4 holes at 46mm horizontal and 84mm vertical.
20	SQ770/0	Blank square plate
20	SQ770/1PL	1 gang square switch plate
20	SQ770/2PL	2 gang square switch plate
20	SQ770/3PL	3 gang square switch plate
20	SQ770/4PL	4 gang square switch plate
1	SQ770/5PL	5 gang square switch plate
20	SQ770/6PL	6 gang square switch plate
1	SQ770/7PL	7 gang square switch plate
20	SQ770/9PL	9 gang square switch plate

770/1D1PL

Pack	Cat No.	Computer data & communication plate only Plate size: 117 x 73mm. Mounting centres: 84mm
20	770/1D1PL	Computer outlet plate for 1 x 9 pin (CP9) D connector socket
20	770/1D3PL	Computer outlet plate for 1 x 25 pin (CP25) D connector socket
20	770/2D3PL	Computer outlet plate for 2 x 25 pin (CP25) D connector socket

Circuit identification and plain caps

Pack	Cat No.	Plain blank flush caps
100	FLUSHCAPS	Plain blank flush caps only. (Packet of 100).

Identification products

800/2CL

Pack	Cat No.	Identification products
10	800	Blanking piece, suits all 770 series switch plates
10	800LH	Blanking piece with hole for potentiometer mounting, suits all 770 series switch plates.
10	800ID	Blanking piece engraved - Not Safety Switch Protected. Suits all 770 series switch plates.
50	800/2	Blanking insert with opaque cap. Suits all 770 series switch plates.
50	800/2CL	Blanking insert with clear cap. Suits all 770 series switch plates.
50	800/2CL1	Die cut labels for circuit identification to suit Cat. No. 800/2CL
1	800/2CL3	Blank die-cut paper for Cat. No. 800/2CL2 circuit ID kit. 10 sheets per pack. Specify: WE (white); BU (blue); RED (red); or YE (yellow)

Time delay switches specifications

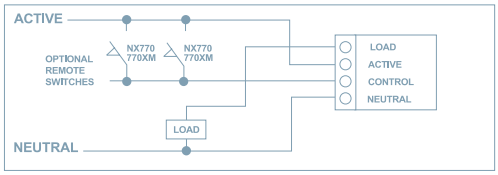
Cat. No.	Maximum load	Neutral required	Mode of operation*	Normally open or Normally closed	Remote control	Timing range
Remote-mounting time delay switches						
TX770/1RC	2400VA	Yes	Re-trigger	Normally open	Yes	1 sec - 239 hrs
TX770/2RC	2400VA	Yes	Toggle	Normally open	Yes	1 sec - 239 hrs
TX770/1RCNC	2400VA	Yes	Re-trigger	Normally closed	Yes	1 sec - 239 hrs
TX770/2RCNC	2400VA	Yes	Toggle	Normally closed	Yes	1 sec - 239 hrs
TF770/1RC	2400VA (lamp) 600VA (fan)	No	Fan delay	Normally open	Yes	3, 10 and 20 min

- Re-trigger means that a button press during the timing cycle will re-start the timing cycle.
- Toggle means that a button press during the timing cycle will stop the timing cycle.
- Fan delay means that the fan remains on for a certain period after the light is turned off. A light must be connected for the unit to operate.

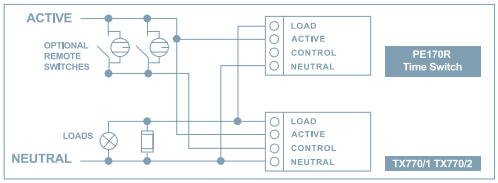
Information

Some HPM time delay switches may have compatibility issues with some types of compact fluorescent lamp or electronic ballast when the load is small. This may cause the lamp to flicker slightly in the off state. It can be overcome by increasing the size of the load, or by connecting a resistive load in parallel. for more information, please contact HPM Technical Support on 1300 369 777

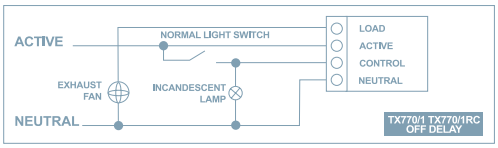
Wiring diagrams



Example application with remote switches.



A Cat No. PE170R photoelectric switch is programmed to turn external lights on at dusk and off at a pre programmed time to save energy. Outside of these hours, lights can be turned on for a timed period by the TX770 or remote push buttons.



A fan runs for a certain period after light switch is turned off.

Dimmer specifications

Cat. No.	Type	Maximum load	Minimum load	Incandescent	240V Linear halogen	GU10 240V halogen downlights	Low voltage halogen with wirewood (Iron Core) transformers *	Low voltage halogen with electronic transformers	ceiling fan
Dimmers									
250L	Leading edge	250VA	10VA	✓	✓	✓	✓	×	×
250T	Trailing edge	250VA	10VA	✓	✓	×	×	✓	×
400L	Leading edge	400VA	10VA	✓	✓	✓	✓	×	×
400T	Trailing edge	400VA	10VA	✓	✓	×	×	✓	×
700L	Leading edge	700VA	10VA	✓	✓	✓	✓	×	×
700T	Trailing edge	700VA	10VA	✓	✓	×	×	✓	×
1000L	Leading edge	1000VA	10VA	✓	✓	✓	✓	×	×
1000T	Trailing edge	1000VA	10VA	✓	✓	×	×	✓	×
2000E	Leading edge	2000VA	100VA	✓	✓	×	✓	See note	✓
2400E	Leading edge	2400VA	100VA	✓	✓	×	✓	See note	✓

Note

Some electronic transformers state that they are compatible with Leading Edge Dimmers. However, significant de-rating of the dimmer is usually required. Therefore, HPM recommends the use of Trailing Edge Dimmers (HPM Cat. No. 400T, 700T or 1000T) for these applications. If it is necessary to use a Leading Edge Dimmer, then please refer to the Dimming Electronic Transformers information sheet enclosed with the product.

* When using wirewound transformers, ensure the transformers are marked "suitable for dimming" and de-rate the dimmer by 20%.

How many electronic transformers can I use?

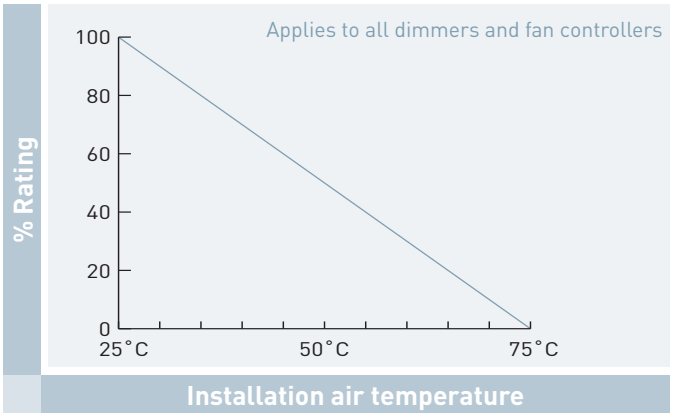
Electronic transformer model	400T	700T	1000T
Max number of transformers per dimmer			
Nelson MTECOUGAR60	8	14	20
Nelson MTETRADE65			
Nelson MTECONT70			
Nelson MTEFOX60			
Nelson MTEICE60			
Nelson MTEKITTY60			
Nelson MTEMICRO60			
Nelson MTEPBS60			
	Assumes 1 x 50W lamp per transformer		
Nelson MTECONT105	4	7	10
Nelson MTEFLAT105			
Nelson MTEFOX105			
Nelson MTEICE105			
Nelson MTEKITTY105			
	Assumes 2 x 50W lamp per transformer		

This table is an example only. Other models of electronic transformers may be used.

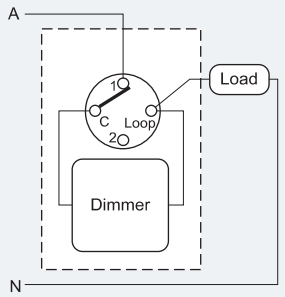
Selecting the correct fan controller

Cat. No.	Maximum load	Minimum load
Fan controllers		
300F	300VA	40VA
475	100VA	-
475/1	100VA	-
475/2	100VA	-
Timed fan controller		
650ET	650VA	60VA
650ET1	650VA	60VA

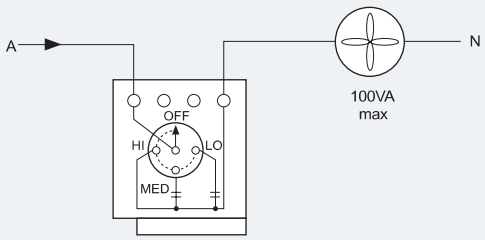
- **Cat. No. 475, 475/1** and **475/2** are capacitive type controllers that will eliminate motor humming. These can control only a single fan. All other fan controllers are capable of controlling multiple fans up to their maximum load.
- The capacitor values in **Cat. No. 475/1** and **475/2** are the same, and have been selected to suit most fan models. The only diffirence between the two is that **Cat. No. 475/2** can be installed on a multi-gang plate with other switches or dimmers.
- If Cat. No. 475/1 or 475/2 cause the fan to operate too slowly, **Cat. No. 475** should be used instead.
- **Cat. No. 650ET** and **650ET1** have an in-built two hour timer, and will automatically switch off after this time.
- **Cat. No. 650ET1** has a reduced maximum speed of 80-85% to satisfy Department of Public Works specifications.



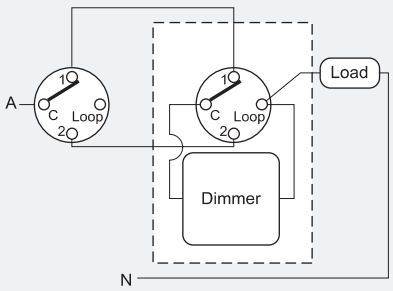
Wiring diagrams



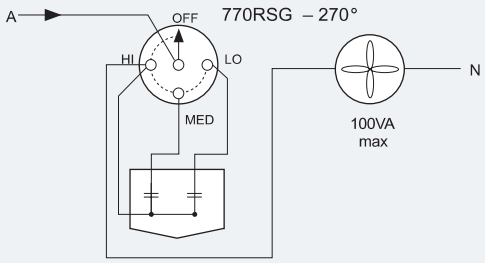
One-way switching with dimmer



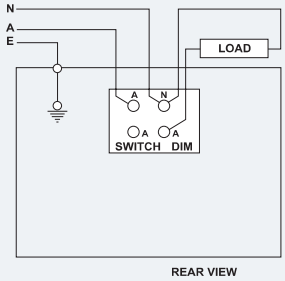
475 and 475/1



Two-way switching with dimmer

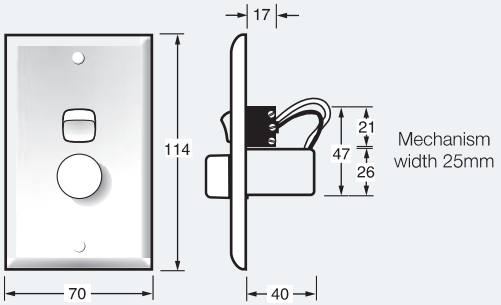


475/2

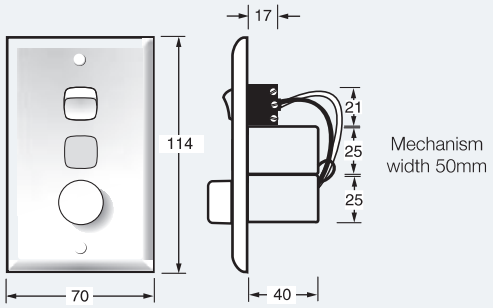


2000E and 2400E

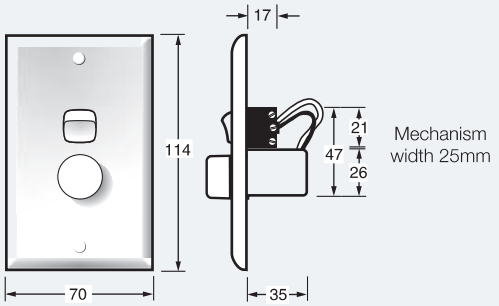
Installation dimensions



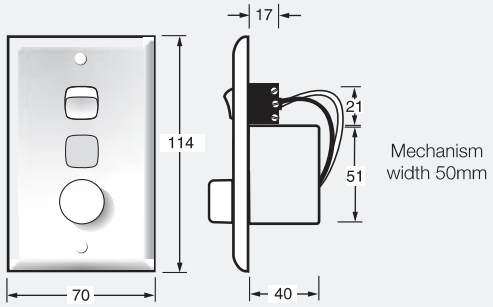
300F



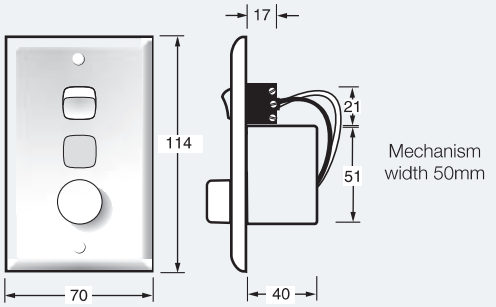
650ET, 650ET1, 700E



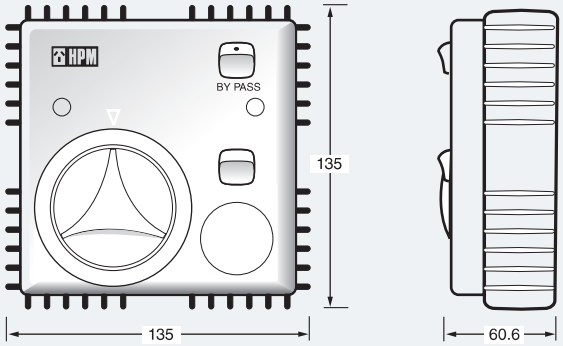
250L, 250T, 400L, 400T



1000L, 1000T



700L, 700T

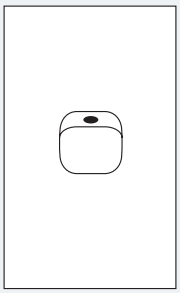


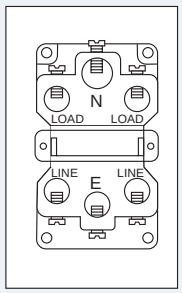
2000E, 2400E

Heavy duty rocker switches, range switch isolators

Cat No.	
F1036P	Plate size: 70 x 114mm. Mounting centres: 84mm

F1036P

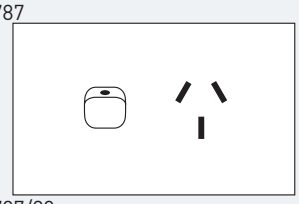


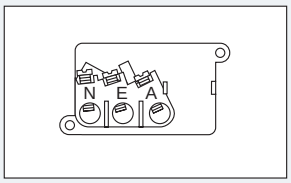


Single powerpoints

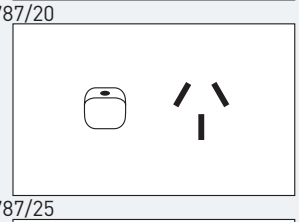
787	Plate size: 114 x 70mm. Mounting centres: 84mm
787/20	Plate size: 114 x 70mm. Mounting centres: 84mm
787/25	Plate size: 114 x 70mm. Mounting centres: 84mm
787/32	Plate size: 114 x 70mm. Mounting centres: 84mm

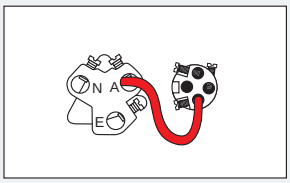
787



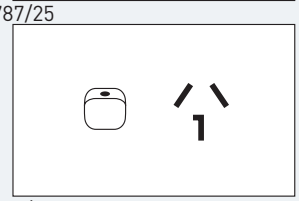


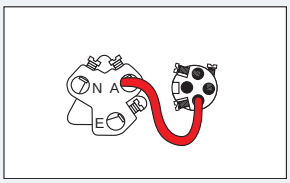
787/20



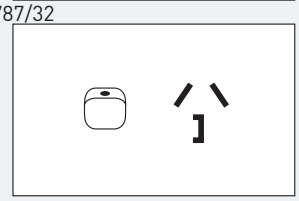


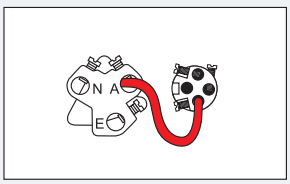
787/25





787/32

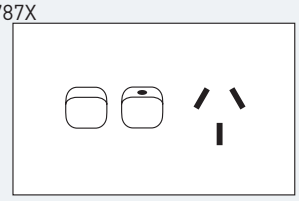


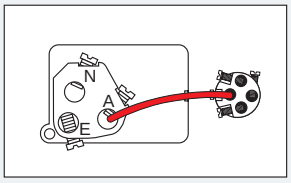


Single powerpoints with extra switch

787X	Plate size: 114 x 70mm. Mounting centres: 84mm

787X

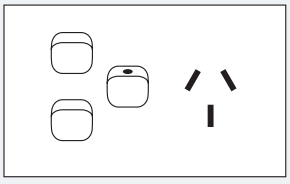


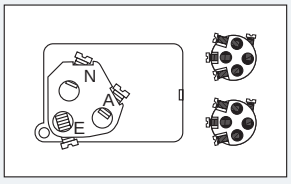


Single powerpoints with 2 extra switches

787/2X	Plate size: 114 x 70mm. Mounting centres: 84mm

787/2X

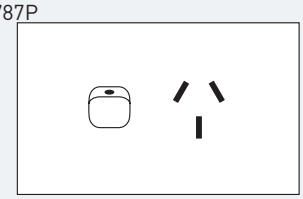


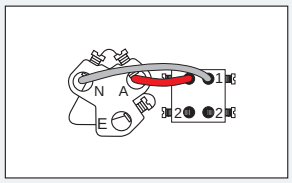


Double pole single powerpoint

Cat No.	
787P	Plate size: 114 x 70mm. Mounting centres: 84mm

787P

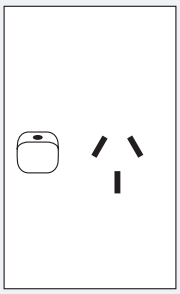


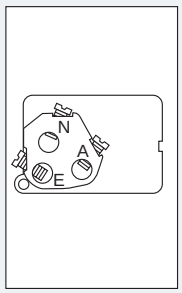


Vertical single powerpoints

V787	Plate size: 70 x 114mm. Mounting centres: 84mm

V787

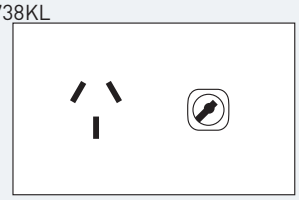


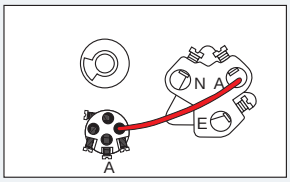


KeyLock powerpoints

738KL	Plate size: 114 x 70mm. Mounting centres: 84mm

738KL

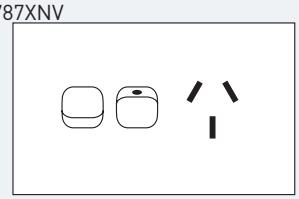


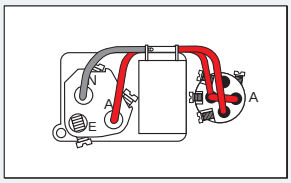


No-volt powerpoints

787XNV	Plate size: 114 x 70mm. Mounting centres: 84mm

787XNV

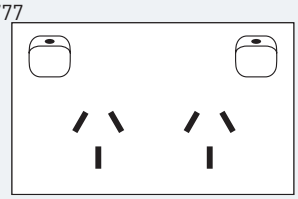


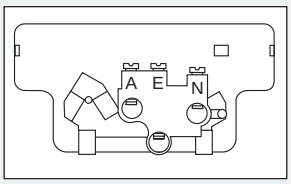


Double powerpoints

777	Plate size: 114 x 70mm. Mounting centres: 84mm

777

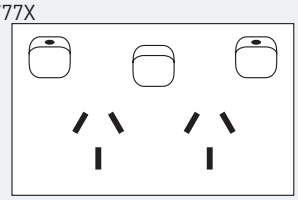


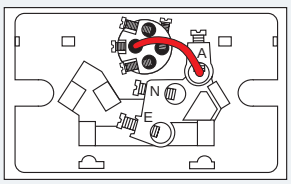


Double powerpoints with extra switch

777X	Plate size: 114 x 70mm. Mounting centres: 84mm

777X

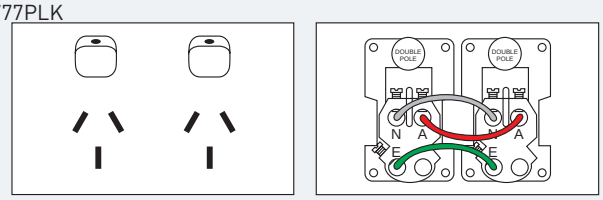




Double pole double powerpoints

Cat No.	
777PLK	Plate size: 114 x 70mm. Mounting centres: 84mm

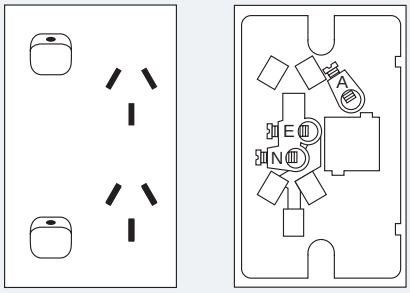
777PLK



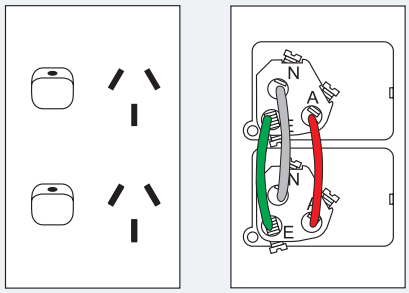
Vertical double powerpoint

V777	Plate size: 70 x 114mm. Mounting centres: 84mm
V777LK	Plate size: 70 x 114mm. Mounting centres: 84mm

V777



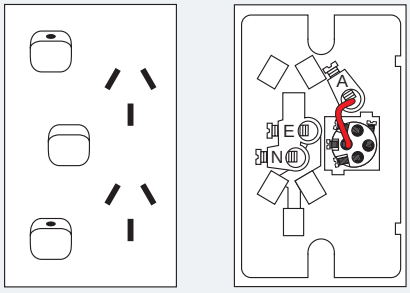
V777LK



Vertical double powerpoints with extra switch

V777X	Plate size: 70 x 114mm. Mounting centres: 84mm

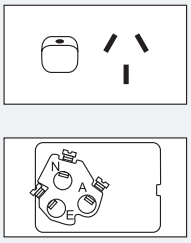
V777X



Single narrow powerpoint

790	Plate size: 98 x 46mm. Mounting centres: 79mm

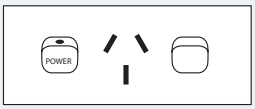
790

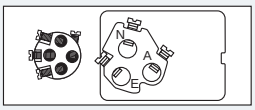


S5

Single narrow powerpoints with extra switch

790X

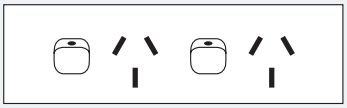


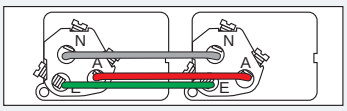


Cat No.	
790X	Plate size: 114 x 46mm. Mounting centres: 95mm

Double narrow powerpoints

792

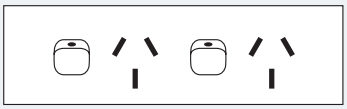


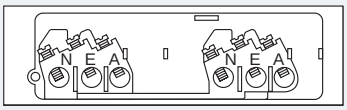


792	Plate size: 157 x 46mm. Mounting centres: 137mm

Double narrow powerpoints, busbarred for easy wiring

792B

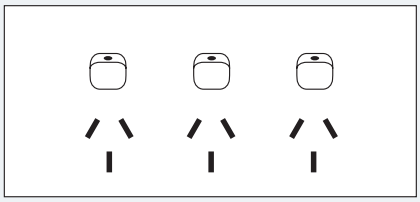


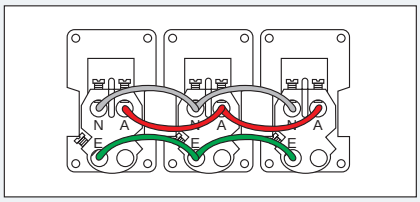


792B	Plate size: 157 x 46mm. Mounting centres: 137mm

Large plate triple powerpoints

3GP788



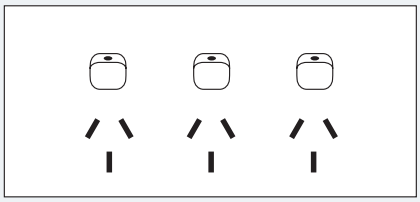


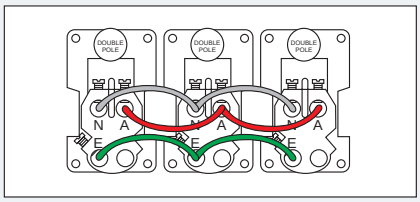
3GP788	Plate size: 184 x 86mm. Mounting centres: 2 holes 152mm horiz. and 6mm below horiz. centre line

Large plate double pole triple powerpoints

Cat No.	
3G2P788	Plate size: 184 x 86mm. Mounting centres: 2 holes 152mm horiz. and 6mm below horiz. centre line

3G2P788

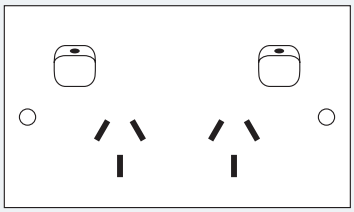


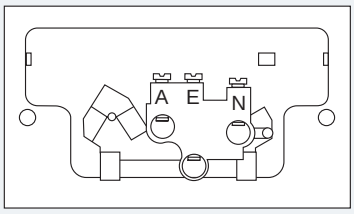


Jumbo double powerpoints with outside holes

778/0	Plate size: 143 x 83mm. Mounting centres 119mm

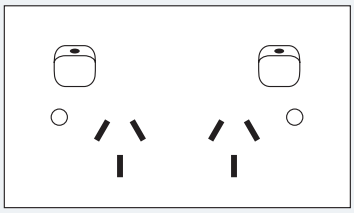
778/0

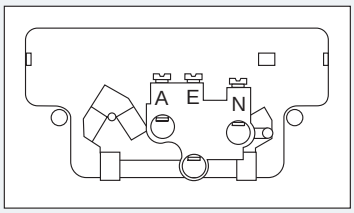




Jumbo double powerpoints with inside holes

778/I

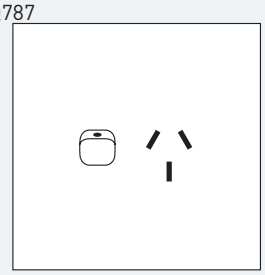


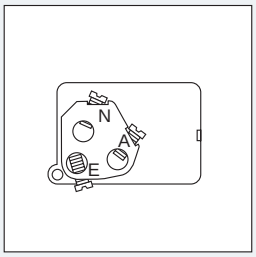


Cat No.	
778/I	Plate size: 143 x 83mm. Mounting centres: 84mm

Square single powerpoints

SQ787

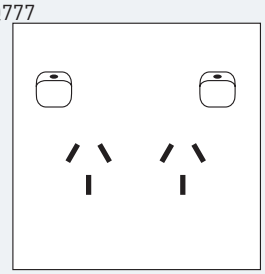


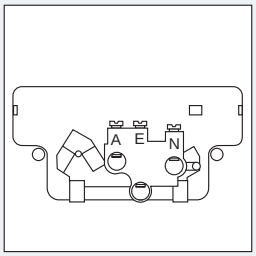


SQ787	Plate size: 114mm square. Mounting centres: 4 holes at 46mm horizontal and 84mm vertical and 2 holes at 84mm horizontal on centre line

Square double powerpoints

SQ777

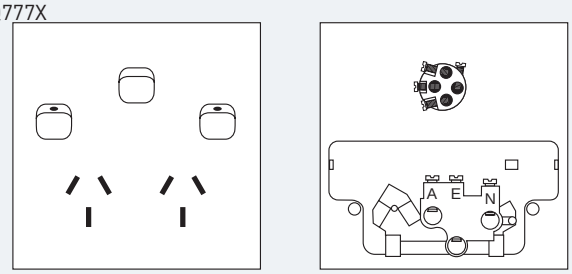




SQ777	Plate size: 114mm square. Mounting centres: 4 holes at 46mm horizontal and 84mm vertical and 2 holes at 84mm horizontal on centre line

Square double powerpoints with extra switch

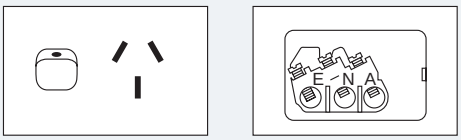
SQ777X

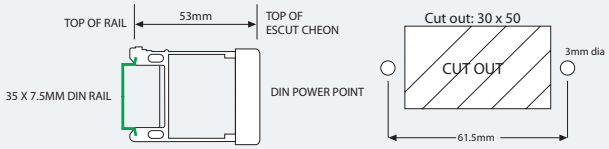


SQ777X	Plate size: 114mm square. Mounting centres: 4 holes at 46mm horizontal and 84mm vertical

Single powerpoints, DIN rail mounting

787DIN





787DIN	Plate size: 67 x 44mm

Section 6

Switch Mechanisms

Switch Mechanisms

Information

Standard colour range available for most mechansims & accessories.
Most switch mechanisms are available with laser engraved words.
Word options include: FAN, HEAT, AUTO, SENSOR , Etc. To order, insert "PRINT" after the Cat. No. and before the colour descriptor.
Please check availability and surcharge details at time of ordering.

Switch mechanisms

770M

Pack	Cat No.	770 series: 21mm dia x 17mm deep from back of standard plate. **1 and 2 way (SPDT), 240V a.c.**
10	770M	10A mechanism, 1-2 way & loop.
10	770/15M	15A mechanism, 1-2 way & loop.
10	770/202M	20A mechanism, 1-2 way & loop.

770RM

Pack	Cat No.	**Mechanism with red dot on dolly, 1 & 2 way (SPDT), 240V a.c.**
10	770RM	10A standard mechanism (770M) with red dot on dolly.

770LLM

Pack	Cat No.	**Illuminated 1 and 2 way (SPDT), 240V a.c.** Supplied with wires to both sides of isolated neon. 1-2 way & loop
10	770LLM	10A self illumination switch mechanism. White body
10	770LL15M	15A self illumination switch mechanism
10	770LL20M	20A self illumination switch mechanism. White body

770IM

Pack	Cat No.	**Intermediate (DPXT - crossover), 240V a.c.**
10	770IM	10A intermediate mechanism. Red body

770/20M

Pack	Cat No.	**1 way (SPST), 240V a.c.**
10	770/20M	20A mechanism, 1 way & loop. Grey body
10	770/35M	35A mechanism, 1 way & loop. Grey body

769M

Pack	Cat No.	**Double pole (DPDT) or (DPST), 240V a.c.** 769 series: 22mm square x 18mm deep from back of Standard plate.
10	769M	10A mechanism, double pole, double throw.
10	769PM	10A mechanism, double pole, single throw.
10	769P15M	15A mechanism, double pole, single throw.
10	769P20M	20A mechanism, double pole, single throw.

768PM

Pack	Cat No.	**Double pole (DPST), 240V a.c.** Size 35 x 18 x 166mm from back of standard plate to terminal screws
10	768PM	10A double pole appliance switch mechanism

Switch Mechanisms

DUO switch mechanisms 240V a.c.

770DM

Pack	Cat No.	
		2 x 1 way (2 x SPST), 240V a.c. Size 22 x 22 x 18mm from back of Standard range plate
10	770DM	10A DUO mechanism, 2 independent single pole switches in one body

Spring return switch mechanism (bell press)

770XM

Pack	Cat No.	
		Changeover (SPDT), non-latching, 240V a.c. Size 21mm dia. x 17mm from back of Standard range plate.
10	770XM	15A spring return mechanism, single pole changeover. Quick make/Quick break action. Laser engraved with PRESS.

KeyLock assemblies

770KLIM

Pack	Cat No.	
		1 and 2 way SPDT, 240V a.c. Supplied with a Cat. No. 770M mechanism. For common keys suffix Cat. No. with CK eg 770KLOMCK
10	770KLIM	10A KeyLock mechanism, key removable in on (I) position
10	770KLOM	10A KeyLock mechanism, key removable in off (O) position
10	770KLIOM	10A KeyLock mechanism, key removable in on & off (I & O) positions

KeyTag mechanisms

770KTM

Pack	Cat No.	
		1 and 2 way (SPDT), and 1 way (SPST), 240V a.c. Size 21mm dia. x 17mm from back of Standard range plate
10	770KTM	10A KeyTag mechanism, 1-2 way & loop.
10	770/15KTM	15A KeyTag mechanism, 1-2 way & loop.
10	770/202KTM	20A KeyTag mechanism, 1-2 way & loop.
10	770/20KTM	20A KeyTag mechanism, 1 way & loop.

Push button mechanisms

883M

Pack	Cat No.	
		Single pole, Electronic Push Button switch, 240V a.c. Single pole, Electronic Push Button switch, 240V a.c. Available in White (WE), Black (BL), Cream (CR), White / Matt Silver (WEMS) and Black / Matt Silver (BLMS)
10	883M	5A electronic push button switch (neutral required) 22 x 22 x 40mm from back of plate
10	870M	10AX mechanical push button switch. 24mm² x 25mm deep from back of plate
10	870IM	10A mechanical push button inter-mediate switch. 24mm² x 25mm deep from back of plate

NX770M

Pack	Cat No.	770 series: 21mm dia. x17mm deep from back of Standard range plate. 769 series: 22mm square x 16mm deep from back of standard plate. **Single pole, normally open, non-latching, 240V a.c.**
10	NX770M	5A push button mechanism, normally open.
10	NL770M	5A illuminated push button mechanism with neon on when contact is open.
10	NL770/4M	5A illuminated push button mechanism with neon indepen-dently connected.

NX770ELV24

Pack	Cat No.	**Single pole, normally open, non-latching, extra low voltage** Suitable for ELV control systems.
20	NX770ELV24	Push button mechanism, 24V dc, normally open
20	NL770ELV24	Push button mechanism, 24V dc, normally open, with 10mA red LED independently connected

NXC770M

Pack	Cat No.	**Single pole, normally closed, non-latching, 240V a.c.**
10	NXC770M	5A push button mechanism, normally closed. Green body
10	NLC770/5M	5A illuminated push button mechanism with neon independently connected
10	NLC770/7M	5A illuminated push button mechanism with neon on when contact is open

NCH770M

Pack	Cat No.	**Single pole changeover, non-latching, 240V a.c.**
10	NCH770M	5A push button mechanism, single pole changeover.
10	NCH770/6M	5A illuminated push button mechanism, single pole changeover, one side of neon connected to switch terminal
10	NCH769NM	5A illuminated push button mechanism, single pole changeover. Neon independently connected
		Double pole changeover, non-latching, 240V a.c.
10	NCH769PM	5A push button mechansism, double pole, changeover.

Indicating light mechanisms

707M

Pack	Cat No.	**Indicating light mechanisms, 240V a.c.** Colour codes: Available in Amber (AM), Green (GR), Opal (OP), Red (RED), Blue (BU). Sizes 21mm dia. x 17mm from back of Standard range plate.
10	707M	240V a.c. indicating light,

Switch Mechanisms

Section 6

Dimmer mechanisms

400LM

Pack	Cat No.	**Leading edge dimmer mechanisms, 240V a.c.**
20	250LM	250VA light dimmer mechanism. Size: 22 x 25 x 35mm from back of Standard plate
20	400LM	400VA light dimmer mechanism. Size: 25 x 25 x 35mm from back of Standard plate
20	700LM	700VA light dimmer mechanism. Size: 50 x 50 x 37mm from back of Standard plate
1	1000LM	1000VA light dimmer mechanism. Size: 50 x 50 x 37mm from back of Standard plate

400TM

Pack	Cat No.	**Trailing edge dimmer mechanisms, 240V a.c.,**
20	250TM	400VA light dimmer mechanism. Size: 22 x 25 x 35mm from back of Standard plate
20	400TM	400VA light dimmer mechanism. Size: 25 x 25 x 35mm from back of Standard plate
10	700TM	700VA light dimmer mechanism. Size: 50 x 50 x 37mm from back of Standard plate
1	1000TM	1000VA light dimmer mechanism. Size: 50 x 50 x 37mm from back of Standard plate

450P

Pack	Cat No.	**Universal push button mechanisms, 240V a.c. Available in White (WE), Black (BL), Cream (CR), Matt Silver/White (WEMS), and Matt Silver/Black (BLMS)**
20	450PM	450W push button light dimmer mechanism. Size: 22 x 22 x 40mm from back of standard plate.
20	450SM	Secondary dimmer control button, works with 450PM

Fan control mechanisms

300FM

Pack	Cat No.	**Fan control mechanisms, 240V a.c.** Size: 25mm square x 16mm deep from back of Standard range plate
20	300FM	Fan controller mechanism. Rated 300VA
10	475/2M	De-hummer 3-speed fan controller mechanism, rated 100VA

Dimmer knob

KNOB1

Pack	Cat No.	**Dimmer knobs** Available in Beige (BE), Black (BL), Brown (BR), Cream (CR), Mistgrey (MG) and White (WE)
10	KNOB1	Dimmer knob

Rotary switch mechanisms

770RS180M

Pack	Cat No.	**Single pole, 240V a.c.**
10	770RS180M	15A 180° rotary mechanism with 3 positions
10	770RS270M	15A 270° rotary mechanism with 4 positions
10	770RS360M	15A 360° rotary mechanism with 4 continuous rotation positions

Mechanism accessories

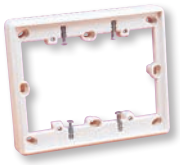
Pack	Cat No.	**Shrouds**
1	749	Insulating shroud, suits all 770 series round mechanisms, 21mm diameter. 21mm sq. Overall length, 45mm with 13mm sq exit hole for cable.
1	749S	Insulating shroud, suits all 769 series & DUO square mechanisms, 21mm sq. Overall length, 45mm with 13mm sq exit hole for cable.

Installation Accessories

Mounting blocks

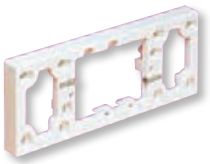
137

Pack	Cat No.	**Surface mounting blocks and spacers** Mounting centres: 84mm. Standard colour is white. Other colour options are available in minimum order quantities. Please check availability at time of ordering.
10	137	Surface mounting block, 13mm deep, suits powerpoints
10	137D	Surface mounting block, 18mm deep, suits switches and powerpoints
10	138	Spacer plate for Cat. No. 140 mounting block. 80.5 x 125 x 8.5mm Increases projection depth to 43.5mm & provides a double insulated rear base.
10	137H3	Horizontal mounting block, for mounting on 300mm dia column
10	137H4	Horizontal mounting block, for mounting on 400mm dia column
10	137H5	Horizontal mounting block, for mounting on 500mm dia column
10	137H6	Horizontal mounting block, for mounting on 600mm dia column
10	137H8	Horizontal mounting block, for mounting on 800mm dia column
10	137HS3	Round column mounting spacer for horizontal mounting. 300mm dia column
10	137HS4	Round column mounting spacer for horizontal mounting. 400mm dia column
10	137HS5	Round column mounting spacer for horizontal mounting. 500mm dia column
10	137HS6	Round column mounting spacer for horizontal mounting. 600mm dia column
10	137HS8	Round column mounting spacer for horizontal mounting. 800mm dia column
10	137V3	Vertical mounting block, for mounting on 300mm dia. column
10	137V4	Vertical mounting block, for mounting on 400mm dia. column
10	137V5	Vertical mounting block, for mounting on 500mm dia. column
10	137V6	Vertical mounting block, for mounting on 600mm dia. column
10	137V8	Vertical mounting block, for mounting on 800mm dia. column
10	137VS3	Round column mounting spacer for vert. mounting, 300mm dia. column
10	137VS4	Round column mounting spacer for vert. mounting, 400mm dia. column
10	137VS5	Round column mounting spacer for vert. mounting, 500mm dia. column
10	137VS6	Round column mounting spacer for vert. mounting, 600mm dia. column
10	137VS8	Round column mounting spacer for vert. mounting, 800mm dia. column



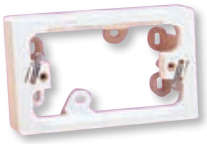
148

Pack	Cat No.	**Double & triple mounting blocks for Standard range**
5	148	Double size mounting block, suits standard wall box. To surface mount 2 x standard size plates, 70 x 114mm. 84mm mounting centres
5	139	Triple size surface mounting block, 92 x 191 x 29mm. For 3G series triple powerpoints, 798 or 798V shaver outlets with spacer Cat. No. 139B
5	139B	Triple size spacer plate. For use with Cat. No. 139.



137/1

Pack	Cat No.	**Surface mounting block for Four-in-one and square plate**
10	137/1	Surface mounting block, 16mm deep, suits four-in-one powerpoint (XL7774)
		Square plate mounting block
5	149	Square mounting block, 122mm square x 38mm. Suits 114mm square plates with 46 x 84mm mounting centres.



140

Pack	Cat No.	
		Deep surface mounting blocks
10	140	Surface mounting block, 37mm deep, suits powerpoints, switches & electronic modules.
		Mounting blocks chemically resistant
10	137DCH	Surface mounting block, 18mm deep, for switches and powerpoints
10	140CH	Surface mounting block, 37mm deep, suits powerpoints, switches & electronic modules
		Weatherproof surface mounting bases (grey)
5	170	Mounting base for WS40 series. 83mm sq x 39mm deep. 25mm conduit knockouts side of rear. IP53
1	WS44B	Mounting base for WS44, 113 x 165 x 45mm. 83mm sq x 39mm deep. 25mm conduit knockouts side of rear. IP53
		Weatherproof mounting blocks
10	239	Surface mounting block, rated IP56 Dimensions 120 x 75 x 44mm, 41mm inside depth. Suits all standard size Excel and Standard range switches, powerpoints and electronic modules. Available in White (WE) and Black (BL)

141

Pack	Cat No.	
		Surface mounting blocks architrave size
10	141	Architrave size 1 gang mounting block, 57mm centres. 74 x 28 x 25mm. Suits plate 32mm wide. Cat. No. A770/1
10	156	Architrave size 2 gang mounting block, 70mm centres. 86 x 36 x 26mm. Suits plate 35mm wide. Cat. No. A770/2, XLA770/1 & XLA7770/2
10	150	**Narrow surface mounting blocks** Narrow mounting block, 52 x 150 x 24mm, 78mm mounting centres, Suits AL770/12, AL770/22 & 790
5	192	Double narrow mounting block, 52 x 162 x24mm, 137mm mounting centres. Suits plate 46mm wide. Cat. No. 792 & 792B

Fireboxes

Pack	Cat No.	
		Fire Resistance Level -/120/120 (Installed on one side of the wall) and a weighted sound reduction index (Rw) of 62. 99 x 57 x 48mm
1	435	Firebox. Cable entries top and rear. Fastening arms allow for 5mm - 30mm thick plasterboard
1	435/2	Firebox with intumescent bridging for multiple installations. Cable entries top and rear. Fastening arms allow for 5mm - 30mm thick plasterboard

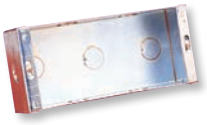
Wall boxes

429R

Pack	Cat No.	
		Standard recessed wall box Size 97 x 60 x 45mm.
1	429R	Recessed plastic wall box with sliding nuts, retention clips and protective cover

429/2

Pack	Cat No.	
		Double size wall boxes Mounting centres: 84mm. Size 97 x 57 x 40mm.
1	429/2	Double size wall box for flush mounting in brick & concrete. Supplied with 2 Pozidrive screws for fixing plate to box.
1	425S2	Segregated wall box. 2 gang. Suits Harmony double plate combinations.



326

Pack	Cat No.	
		Triple size wall boxes Size 165 x 70 x 45mm deep.
10	326	Triple wall box. 152mm mounting centres. Suits 3G788, 798, 798V, MS798 & MS798V

920

Pack	Cat No.	
		Wall boxes for Multi Series Size 100mm high x 40mm deep.
20	920	2 gang Multi series wall box. 103mm wide, 84mm mounting centres. Suits all SQ series plates & MS770/24, MS770/26 & MS788/2
20	930	3 gang Multi series wall box. 149mm width, 84mm mounting centres. Suits MS770/36, MS770/39
20	940	4 gang Multi series wall box. 195mm width, 84mm mounting centres. Suits MS770/48, MS770/412 & MS788/4
20	950	5 gang Multi series wall box. 241mm width, 84mm mounting centres. Suits MS770/510,
20	960	6 gang Multi series wall box. 287mm width, 84mm mounting centres. Suits MS770/612, MS770/618 & MS788/6
		Dual wall boxes Size 53 x 206 x 50mm deep
1	920/1	Dual wall box. Accepts 2 Excel grids, double horizontal, or double vertical

Mounting clips

712

Pack	Cat No.	
		Mounting clips for standard sized switches, powerpoints etc on 84mm mounting centres
50	711	Mounting clip for 6.4mm wallboard. Max cut out 50 x 76mm. Suits Standard, Standard, Excel, Linea and Arch Metal Ranges, with standard mounting centres. 45 x 102mm, 84mm mounting centres.
50	712	Mounting clip for 10.0mm plasterboard/gyprock. Max cut out 50 x 76mm. Suits Standard, Excel, Linea & Arch Metal Ranges. With standard mounting centres. 48 x 102mm, 84mm mounting centres.
		Mounting clip for battenholders, ceiling switches, ceiling roses and plug bases
20	716	Mounting clip for 12.7mm plasterboard/gyprock. Max cut out 30 x 40mm. Suits 366, 368, 369, 80, 84, 601, 37 & 35. 75 x 48mm, 51mm mounting centres.

Mounting brackets

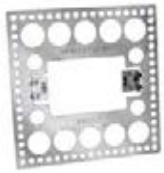
143

Pack	Cat No.	**Standard size mounting brackets**
20	143	Standard size mounting bracket
20	143JM	Standard size mounting bracket with external mounting flange
20	143/2	Horizontal bracket, stud-mounting with nails
1	143/2V	Vertical bracket, stud-mounting with nails
20	V&S404	Standard vertical mounting bracket
		Triple size mounting brackets
20	243	Triple size mounting bracket, with 152mm mounting centres. Suits 3G788
10	143U	Universal Mounting Stud Bracket. Horizontal or vertical mounting stud bracket with captive nail

143/S2

Pack	Cat No.	**Segregated mounting brackets** Suitable for Harmony Excel combinations.
1	14352	Segregated stud bracket. 2 gang
1	143S3	Segregated stud bracket. 3 gang
1	71252	Segregated gyprock bracket. 2 gang
1	712S3	Segregated gyprock bracket. 3 gang
1	95352	Segregated render bracket. 2 gang
1	953S3	Segregated render bracket. 3 gang

Render brackets



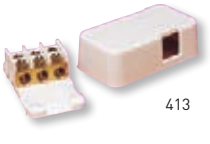
954R

Pack	Cat No.	**Render brackets**
20	954	Render bracket to suit standard 84mm fixing centres
20	954R	Recessed bracket to suit standard 84mm fixing centres

Shrouds

Pack	Cat No.	**Shroud**
20	751	Standard size shroud to fit opening 53 x 73 x 51mm deep. Suits 953, 143, 143JM, V&S404, 711 & 712
1	749	Insulating shroud, suits all 770 series round mechanisms, 21mm diameter 21mm sq. Overal length 45mm with 13mm sq exit hole for cable.
1	749S	Insulating shroud, suits all 770 series square mechanisms

Junction boxes



413

404

Pack	Cat No.	**Junction boxes**
10	413	Miniature junction box, with 3 terminals, (6mm bore). 30A. Size 37 x 68 x 22mm
10	413S	Miniature junction box, with 3 terminals, (5mm bore), cord grip entry. 30A. Size 37 x 78 x 22mm
10	413SE	Miniature junction box, with 2 terminals, (4mm bore), earth terminal, (5mm). 30A. With earthing strap. Size 37 x 68 x 22mm
10	413LA	Enclosed terminal box for use by telecommunication providers. Size 37 x 68 x 22mm
5	J170	Modular weatherproof junction box, 40A, 415V with connectors. (3 x 1 screw, 1 x 2 screw). 83mm square x 65mm deep
10	404	Standard size junction box, with 4 x 40A connectors, (3 x 1 screw, 1 x 2 screw). Size 68 x 68 x 38mm
10	405	Giant size junction box, without connectors. Size 68 x 89 x 44mm
10	406	Giant size junction box, with 4 x 50A connectors, (3 x 1 screw, 1 x 2 screw). Size 68 x 89 x 44mm

Installation Accessories

Insulated and earth connectors

401
402

Pack	Cat No.	Insulated and earth connectors
100	401	40A heavy duty connector, 1 screw, 6mm hole, clear moulding
1	401/1	40A heavy duty connector. 1 screw, 6mm hole, clear moulding. Stack Pack. (Quantity 100)
1	401J	40A heavy duty connector, 1 screw, 6mm hole, clear moulding. (Jar of 100)
100	401L	50A heavy duty connector, 1 screw, 6.6mm hole, blue tinted moulding
50	402	40A heavy duty connector, 2 screws, 6mm hole, clear moulding
1	402/1	40A heavy duty connector. 2 screws, 6mm hole, clear moulding. Stack Pack. (Quantity 50)

Cable clips

Pack	Cat No.	Cable clips
1	CL3B	13mm plastic flat cable clip with captive steel nail. (bucket of 500)
1	CL4B	15mm plastic flat cable clip with captive steel nail. (bucket of 500)
1	DQ001	Flat white 5mm (20 pack)
1	DQ002	Flat black 5mm (20 pack)
1	DQ003	Round white 6mm (20 pack)
1	DQ004	Round black 6mm (20 pack)
1	DQ005	Flat white 7mm (20 pack)
1	DQ006	Flat black 7mm (20 pack)
1	DQ007	Hook white 8-10mm (20 pack)
1	DQ008	Hook black 8-10mm (20 pack)
1	DQ009	Round white 10mm (20 pack)
1	DQ010	Flat white 13mm (20 pack)
1	DQ011	Flat white 15mm (20 pack)
1	DQ201	Flat white 5mm (200 pack)
1	DQ105	Flat white 7mm (100 pack)
1	DQ107	Hook white 8-10mm (100 pack)
1	DQ108	Hook black 8-10mm (100 pack)
1	DQ109	Round white 10mm (100 pack)
1	DQ110	Flat white 13mm (100 pack)
1	DQ111	Flat white 15mm (100 pack)

Screws

100	246	76mm long 6-32 American thread screw, raised countersunk head. -Specify, Nickel plated or florentine bronze
100	247	51mm long 6-32 American thread screw, raised countersunk head. -Specify, Nickel plated or florentine bronze
100	248	32mm long 6-32 American thread screw, raised countersunk head. -Specify, Nickel plated or florentine bronze

Plugs, Bases & Sockets

Plugs, Bases & Sockets

Plug tops

90

Pack	Cat No.	**Large finger-grip, rigid, impact-resistant moulding, 240V a.c.** Colour codes:BL (Black), CL (Clear), GY (Grey), WE (White)
10	90	10A plug top, 3 pin flat (BL,WE)
10	90/15	15A plug top, 3 pin flat (BL, WE)
10	90/20	20A plug top, 3 pin flat (WE)
10	90/25	25A plug top, 3 pin, L-shaped earth, flat active and neutral (WE)
10	90R	10A plug top, 3 pin, round earth, flat active and neutral (WE)
10	94	10A plug top, 4 pin plug for use with Cat. No 33 and 34 series. Available in white only (WE)

100L

Pack	Cat No.	**Flexible PVC cover with cord locking nut, and screwed clamp terminals, 240V a.c.**
10	100L	10A plug top, 3 pin flat, locking nut, 8mm entry hole (BL, CL, GY, WE)
10	100LHD	10A plug top, 3 pin flat,10mm entry hole for 15A heavy duty cord (CL, GY)
10	100/8	10A plug top, 3 pin flat, figure 8 wire (BL, WE)
10	100R	10A plug top, 3 pin, round earth, flat active & neutral (BL, CL, GY, WE)
10	100/2R	10A plug top, 3 pin, flat earth, round active & neutral (CL, GY, WE)
10	100L15	15A plug top, 3 pin flat (CL, GY, WE)

106/1

Pack	Cat No.	**Low profile side entry with 45° cord entry and screwed clamp terminals, 240V a.c.**
10	106/1	10A plug top, 3 pin flat. (BL, GY, WE)
10	106/2	10A plug top, 3 pin flat, accepts 15A heavy duty flexible cord. (WE)
10	106/3	15A plug top, 3 pin flat (BL, WE)
10	106/4	20A plug top, 3 pin flat (WE, GY)
10	106/5	25A plug top, 3 pin, L-shaped earth, flat active & neutral (WE)
10	106/6	10A plug top, 3 pin, round earth, flat active & neutral (WE)
10	106/7	10A plug top, 3 pin, flat earth, round active & neutral (WE)
10	106/8	32A plug top, 3 pin, U-shaped earth, flat active & neutral (WE)

Plug bases

37

Pack	Cat No.	**Plug bases, surface, 240V a.c.** Mounting centres: 50mm. Size 65mm dia x 48mm high. Standard colour is clear.
10	37	10A plug base, 3 pin flat, includes Cat. No. 37B snap-on base plate. (CL, BL)
10	37/15	15A plug base, 3 pin flat (CL)
10	37R	10A plug base, 3 pin, round earth, flat active & neutral (CL)
10	37B	Snap-on base plate for Cat. No. 37 range. Also fits Cat. No. 366, 80 & 33

37/2

Pack	Cat No.	**Double Plug bases, surface, 240V a.c.** Mounting centres: 84mm. Size 111mm dia x 69mm high.
5	37/2	10A double plug base (base included). Available in Clear (CL) and Black (BL)
5	37/215	15A double plug base (base included). Available in Clear (CL)

35

Pack	Cat No.	**3 pin plug surface bases, low profile, 240V a.c.**
10	35	10A surface base, 3 pin flat (BR, BL, WE)

38/15

Pack	Cat No.	**Plug bases for panel or flush mounting, 240V a.c.** Supplied as base mechanism plus front plate. Size: 38mm dia x 25mm deep. Minimum order quantities may apply - please check prior to ordering.
10	38	10A plug base, 3 pin flat, suits panel thickness of 2.5mm (BL, MG, WE)
10	38A0	10A plug base, 3 pin flat, suits panel thickness of 1.0mm (BL, WE)
10	38A1	10A plug base, 3 pin flat, suits panel thickness of 1.2mm (BL, WE)
10	38A2	10A plug base, 3 pin flat, suits panel thickness of 1.5mm (WE)
10	38A3	10A plug base, 3 pin flat, suits panel thickness of 1.6mm (BL, WE)
10	38A4	10A plug base, 3 pin flat, suits panel thickness of 2.0mm (WE)
10	38A5	10A plug base, 3 pin flat, suits panel thickness of 2.2mm (WE)
10	38R	10A plug base, 3 pin, round earth, flat active & neutral, suits panel thickness of 2.5mm (WE)
10	38/2R	10A plug base, 3 pin, flat earth, round active & neutral, suits panel thickness of 2.5mm (WE)
10	38/15	15A plug base, 3 pin flat, suits panel thickness of 2.5mm (BL, WE)
10	38/20	20A plug base, 3 pin flat, suits panel thickness of 2.5mm (WE)
10	38/25	25A plug base, 2 pin flat with L earth pin, suits panel thickness of 2.5mm (WE)

38/1

Pack	Cat No.	**Plug base and plate assemblies** Mounting centres: 95mm. Suits standard mounting accessories. Can be mounted horizontally or vertically. Size: 114 x 70mm.
10	38/1	10A, Cat. No. 38 plug base on plate (BL. RED, WE)
10	38/115	15A, Cat. No. 38/15 plug base on plate (WE)
10	38/1R	10A, Cat. No. 38R plug base on plate (WE)
10	38/120	20A, Cat. No. 38/20 plug base on plate (WE)
10	38/12R	10A, Cat. No. 38/2R plug base on plate (WE)
1	38/1PL	Plate only suit 38 series (WE)

33

Pack	Cat No.	**4 pin plug surface bases, 240V a.c.**
10	33	10A 4 pin plug base with looping terminal. 50mm mounting centres. 69 x 69 x 46mm. (WE)
10	33B	Snap-on base plate for Cat. No. 33 range. 58mm mounting centres. 114 x 70mm. (CL)
10	34	10A double 4 pin plug base with looping terminal. 84mm mounting centres. 69 x 106 x 46mm (WE)
10	34B	Snap-on base plate for Cat. No. 34 range. 91mm mounting centres. 150 x 70mm (CL)

Plugs, Bases & Sockets

Extension sockets

7P

Pack	Cat No.	
		Flexible PVC cover with safety skirt, cord locking nut and screwed clamp terminals, 240V a.c. Colour codes: BL (Black), Cl (Clear), GY (Grey), WE (White).
10	7P	10A extension socket, 3 pin flat, 8mm entry hole (BL, CL, GY, WE)
10	7P15	15A extension socket, 3 pin flat, 10mm entry hole (CL, GY, WE)

Ceiling roses

80
84

Pack	Cat No.	
		Latching cover ceiling roses, 240V a.c.
10	80	Ceiling rose, 4 way connection. Easily wired with connectors supplied. 68mm dia x 44mm high. (WE)
		Screw-on cover ceiling roses, 240V a.c. Size: 65mm dia x 37mm high.
10	84	Ceiling rose 10A, 4 plate x 2 post per plate (WE)
		Large screw-on cover type, 240V a.c. Size: 92mm dia x 36mm high.
10	78	Ceiling rose 10A, 4 plate x 2 posts per plate (WE)

Battenholders

366

Pack	Cat No.	
		Battenholder, 4 terminals 240V. a.c. To suit B22 bayonet cap lamps. Supplied with long skirt, (Cat. No. 333SK).
10	360	Adjustable angle battenholder, 4 large terminals. 64mm dia base. 50mm mounting centres. (WE)
5	360/W1	Adjustable angle battenholder, IP23. 4 terminals. Integral anchor plugs. 50mm mounting centres. (WE)
10	366BR	Battenholder, 4 terminals, standard 68mm dia base. 50mm mounting centres. (WE)
10	366S	Safety battenholder, 4 terminals, standard 68mm diameter base. 50mm mounting centres. (WE)
10	366Y	Battenholder, 4 terminals, integral fix-fast anchor plugs, standard 68mm dia base. 50mm mounting centres. (WE)
10	366LY	Battenholder, 4 terminals, separate fix-fast anchor plugs, standard 68mm dia base. 50mm mounting centres. (WE)
10	368	Battenholder, 4 terminals, 90mm dia base. 50mm mounting centres. (WE)
10	368/1	Battenholder, 4 terminals, 90mm dia base. 70mm mounting centres. (WE)

Lampholders

333

Pack	Cat No.	
		BC cord grip, 240V. Colour codes: BL (Black), WE (White)
10	333	Lampholder, cord grip, supplied with long skirt, (Cat. No. 333SK) (BL, WE)

359/10

Pack	Cat No.	
		Tapered cap - top cable entry Supplied with long skirt, (Cat. No. 333SK)
10	359	Lampholder with 10 mm thread (1.0 mm pitch) (WE)

310

Pack	Cat No.	
		Switched lampholders **- tapered cap - top cable entry** 240V a.c. Double pole push bar switch with red dot indication. Supplied with long skirt, (Cat. No. 333SK).
10	310	Switched lampholder with 1/2 inch brass thread with nipple (WE)
10	310/10	Switched lampholder with 10mm thread (1.0mm pitch) (WE)

303/1F

Pack	Cat No.	
		Festoon lampholders Mounting centres: 50mm. 3A, 240V a.c.. BC with side entry cable, wire piercing connections. Overall height 65mm.
10	303/1F	Lampholder with fanged screw-on cap & long skirt, (Cat. No. 333SK) (BL)
10	WS303/1R	Lampholder with round screw-on cap & rubber skirt for weatherproofing (BL)
10	WS303/1F	Lampholder with fanged screw-on cap & rubber skirt for weatherproofing (BL)

Lampholder accessories

333SK

Pack	Cat No.	
		Lampholder skirts
10	333SK	Lampholder skirt (long), 37 mm (WE)

Section 9

Safety & Security

Movement sensors (PIR's) 230 - 240V a.c.

630/3A
630/9-2W

Pack	Cat No	Movement sensors
1	630/3	Light patrol security sensor with 180° field of view, auto with manual override. Wall or eave mounting.
5	630/3A	Light patrol security sensor with 180° field of view, auto only. Wall or eave mounting.
1	630/5	Ceiling-mounted motion detector with 360° field of view, auto with manual override, via by-pass switch
20	630/9-2W	Aquascan IP66 weatherproof 2 wire sensor. Wall or eave mounting
20	630/9-3W	Aquascan IP66 weatherproof 3 wire sensor. Wall or eave mounting

Smoke alarms 230 - 240V a.c.

645/3

Pack	Cat No	Smoke alarms
6	645/3	Smoke alarm, interconnectable, ionisation type. With silencer, 240V a.c. & 9V battery back-up
		Smoke alarm interface
1	645A	Interface for interconnectable smoke alarms. Connects AC smoke alarms to other appliances, circuits & systems. Activates remote alarms, lighting & exhaust fans.

R5102

Pack	Cat No	In-Line corded type, 30mA
1	R5102	10A safety switch with 2m yellow heavy duty lead. 30mA sensitivity.
5	R5102/1	10A weatherproof safety switch, IP56 rated with 2m yellow heavy duty lead. 30mA sensitivity.

Electresafe™ RCD Power Centre

NEW

REPC410

Pack	Cat No	Electresafe power centre 240V Protection from electrocution from active to earth faults. All lead lengths are nominal lengths.
1	REPC410	4 outlet 10A portable power device with MCB and RCD protection, IP33 rated with 1.0mm² flexible heavy duty lead. Orange. 30mA sensitivity.
1	REPC415	4 outlet 15A portable power device with MCB and RCD protection, IP33 rated with 1.5mm² flexible heavy duty lead. Orange. 30mA sensitivity.

Halogen lighting 240V a.c.

R605/5

Pack	Cat No	Flood lamps, 240V a.c., 50Hz
1	R605/3	Weatherproof 150W halogen flood lamp, tilt adjustment, IP44. Wall, post, or under eave mounting. Supplied with halogen globe. White finish.
1	R605/4	Weatherproof 500W halogen flood lamp, tilt adjustment, IP44. Wall, post, or under eave mounting. Supplied with halogen globe. Silver finish.
1	R605/5	Weatherproof 150W halogen flood lamp with sensor, IP44. Wall mounting. Supplied with halogen globe. White finish.
1	R605/6	Weatherproof 500W halogen flood lamp with sensor, IP44. Wall, post or under eave mounting. Supplied with halogen globe. White finish.

Section 10

Smart Wired

Home Networks kits and modules

HNMKSTD14

Pack	Cat No.	**Packaged kits**
1	HNMKSTD14	Standard HPM Home Networks kit. Includes 14 inch enclosure, 6 port patch panel, phone and video distribution
1	HNMKADV28	Advance HPM Home Networks kit. Includes 28 inch enclosure, 12 port patch panel, phone distribution, video combiner, splitter and amplifier

HNEN1450

Pack	Cat No.	**Hub enclosure, surface or cavity mount**
1	HNEN1450	14 inch enclosure Base 362 x 356 x 92mm Cover 394 x 387 x 6mm
1	HNEN2050	20 inch enclosure Base 362 x 508 x 92mm Cover 394 x 540 x 6mm
1	HNEN2850	28 inch enclosure Base 362 x 711 x 92mm Cover 394 x 743 x 6mm
1	HNEN4250	42 inch enclosure Base 362 x 1067 x 92mm Cover 394 x 1099 x 6mm
1	HNFR1450	14 inch frame for HNEN1450 Frame coverage 419 x 412mm
1	HNFR2050	20 inch frame for HNEN2050 Frame coverage 419 x 561mm
1	HNFR2850	28 inch frame for HNEN2850 Frame coverage 419 x 768mm
1	HNFR4250	42 inch frame for HNEN4250 Frame coverage 422 x 1122mm

HNTM1478

Pack	Cat No.	**Telephone distributors**
1	HNTM1478	4 x 12 telephone module. RJ45 input and output termination. 4 inputs and 12 outputs. Mode 3 RJ31X socket.
1	HNTM1475	4 x 12 configurable telephone module. RJ45 input and output termination. 4 inputs and 12 outputs. Mode 3 RJ31X socket.

HNVM1000

Pack	Cat No.	**TV/Video combiner and splitter**
1	HNVM1000	1 x 4 video combiner/splitter. 1 input and 4 outputs. (vice versa) Accept F type connectors. 1 GHz bandwidth
1	HNVM1002	1 x 8 video combiner/splitter. 1 input and 8 outputs. (vice versa) Accept F type connectors. 1 GHz bandwidth
1	HNVA01	Video amplifier. Amplify TV/video signal before distribution. 12V d.c. power required

HNAC1000

Pack	Cat No.	**Patch panels**
1	HNAC1000	6 port network patch panel. 6 x Cat5e RJ45 sockets.
1	HNAC1013	8 port network patch panel. 8 x Cat6 RJ45 sockets.
1	HNAC1014	12 port network patch panel. 12 x Cat5e RJ45 sockets.
1	HNAC1015	12 port network patch panel. 12 x Cat6 RJ45 sockets.

HNDH05

Pack	Cat No	**Data hub**
1	HNDH05	Network data hub. 5 x 10/100 Mbps. Power supply included.

HNIRM88

Pack	Cat No	**Infra-red**
1	HNIRM88	Infra-red distributor. Supports up to 8 IR channels (emitters and receivers). 12V d.c. power required.
1	HNIRE22	Infra-red emitter. 2 x IR LEDs. Emits IR signal via Cat5e cable and RJ45 plug.
1	HNIRR02	Infra-red receiver. Receives IR signal and sends signal to IR distributor via RJ45 plug.

HNAM02

Pack	Cat No	**Audio distribution**
1	HNAM02	Audio distributor. 4 inputs and 4 outputs. 12V d.c. 7A power supply required.
1	HNVC03	Wall digital volume controller. Controls outputs of audio distributor HNAM02. With source select, broadcast function, treble and bass adjustments. Remote control included. Excel style white plate.
1	HNRC01	Spare remote control for digital volume controller HNVC03.
1	HNAS01	Audio splitter. 4 inputs and 4 sets of outputs. 12V d.c. power required. 16 sets of RCA cables included.

SWSPK01

Pack	Cat No	**Speakers**
1	SWSPK01WE	Pair of round ceiling stereo speakers, 230mm diameter x 90mm depth, 30W RMS
1	SWSPK02WE	Sum adding mono speaker, 230mm diameter x 90mm depth, 30W RMS
1	SWSPK03WE	Pair of rectangular ceiling/wall speakers, 304mm length x 223mm width x 80mm depth, 35W RMS
1	SWSPK04	Pair of outdoor speakers, 130 x 105 x 170mm, 30W RMS. 1.8kg each. Available in black (BL) and white (WE).

HNSCIR01

Pack	Cat No	**Security cameras**
1	HNSCIR01	Security camera. Colour and Infra-red LEDs.
1	HNSC01	Security camera. Colour.

HNMD03

Pack	Cat No	**Modulators**
1	HNMD01	Single channel mono modulator. Built in combiner. 240V a.c. power lead and plug.
1	HNMD03	3 channel mono modulator. Includes 3 sets of AV cables and power pack.

HNPS005

Pack	Cat No	**Power supplies**
1	HNPS005	Power supply 0.5A regulated 12V d.c. Plug-pack type.
1	HNPS030	Power supply 3.0A Regulated 12V d.c. Plug & lead supplied.
1	SWPS080	Power supply 8.0A Regulated 12V d.c. Plug, lead and mounting bracket supplied.
1	HNPSM01	DC power splitter module 12V d.c. input - 2.5mm OD socket 12V d.c. ouputs - 1 x 4 pin 5.08mm pitch male connector, 3 x 2.5mm OD sockets, 2 x 2.0mm OD sockets.

HNPL5E200

Pack	Cat No	**Leads**
1	HNPL5E200	Patch lead Cat5e 200mm long
1	HNPL5E300	Patch lead Cat5e 300mm long
1	HNPL6300	Patch lead Cat6 300mm long
1	HN364597-01	Mini coax jumper lead 300mm

HN364896-01

Pack	Cat No	**Accessories**
1	HN364896-01	Mounting plate half enclosure wide
1	HN364904-01	Mounting plate full enclosure wide
1	HNPL02	2 way 12V d.c. split lead
1	SWST04	4 way spring loaded speaker terminal on standard plate
1	SWCBL01	Shielded 2 core audio cable. Black 100m roll

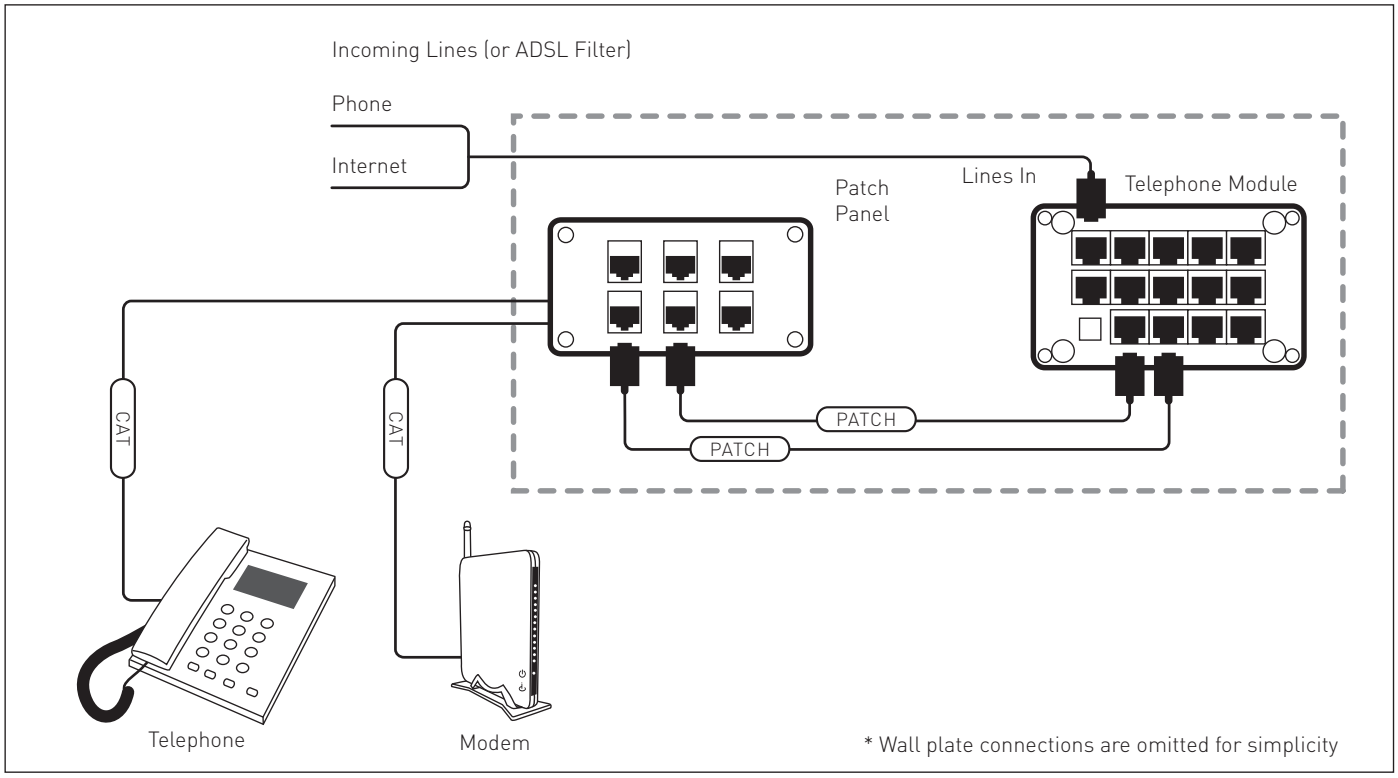
Telephone Distribution System

The HPM Home Networks telephone system accepts up to 4 incoming phone lines and distributes them to up to twelve locations utilising the CAT5e (or CAT6) structured wiring links.

There is a choice of two Telephone Modules (CAT HNTM1478, HNTM1475.) They feature RJ45 jacks for easy termination, patching and re-patching.

HNTM1478 is best suited to distributing a single line, whereas HNTM1475 is best suited to distributing up to 4 lines.

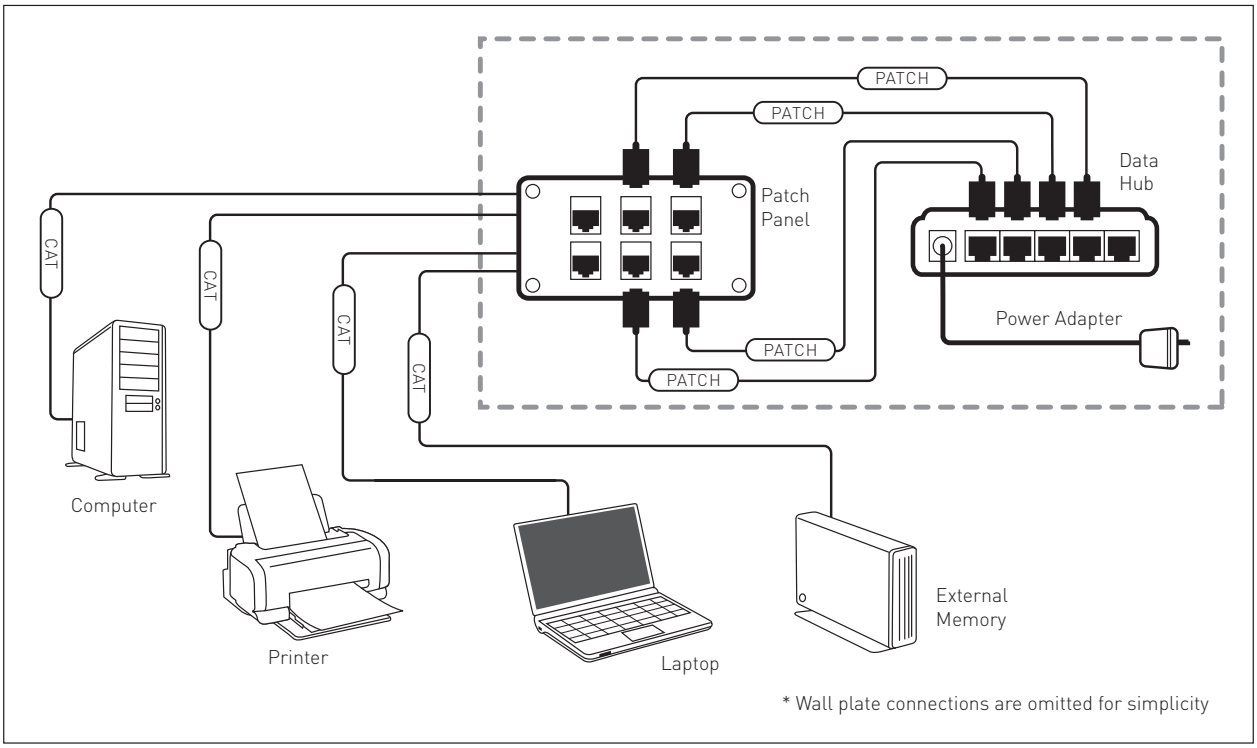
They also feature a line seizure port for security systems.



Data Network

A data network can be built with an HPM Home Networks Patch Panel (CAT HNAC1000, HNAC1014 or HNAC1015) and Data Hub (CAT HNDH05) to connect all the computers and peripherals, such as printers.

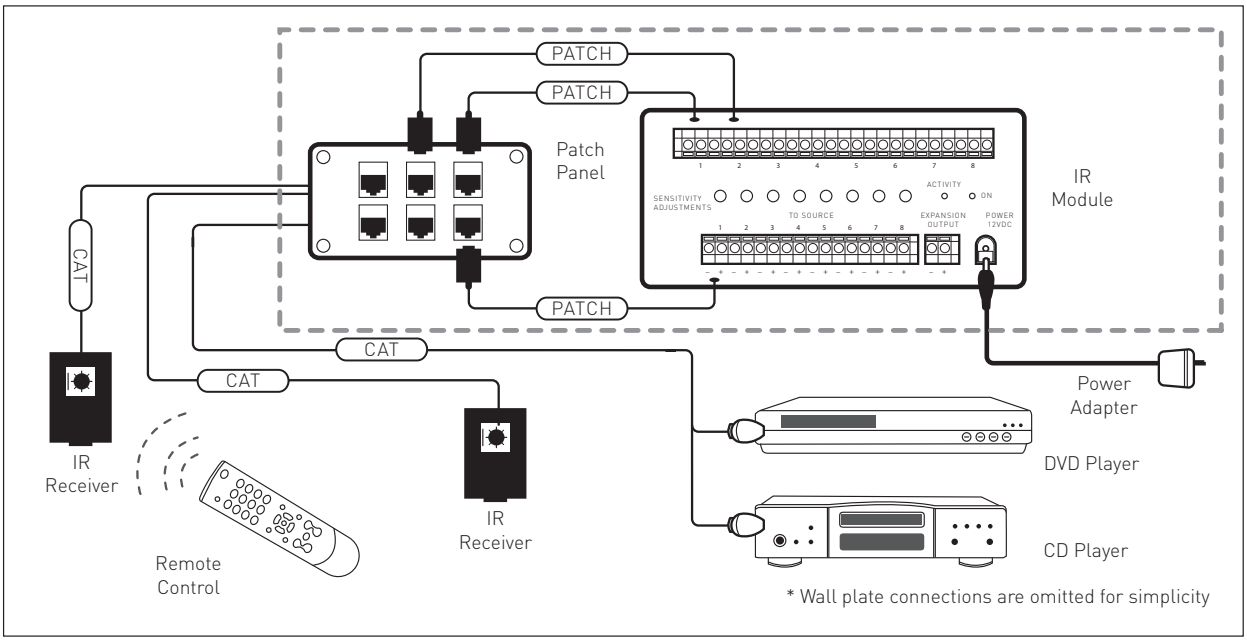
If more ports are required the system can be expanded by adding an extra data hub or hubs. Use a patch lead to link any port on the first hub to any port on the second hub.



IR System

The IR (Infra-red) distribution module (CAT HNIRM88) routes IR signals to allow remote control of devices; such as CD/DVD players, PayTV and Digital TV set-top-box; from any room in the house.

The module receives IR signals utilising IR receivers (CAT HNIRR02), from up to 8 rooms, and transmits all the received signals to up to 8 IR emitter pairs (CAT HNIRE22), via the Cat5e network and RJ45 wall sockets. The emitters in turn emit the signals to the intended AV equipment.



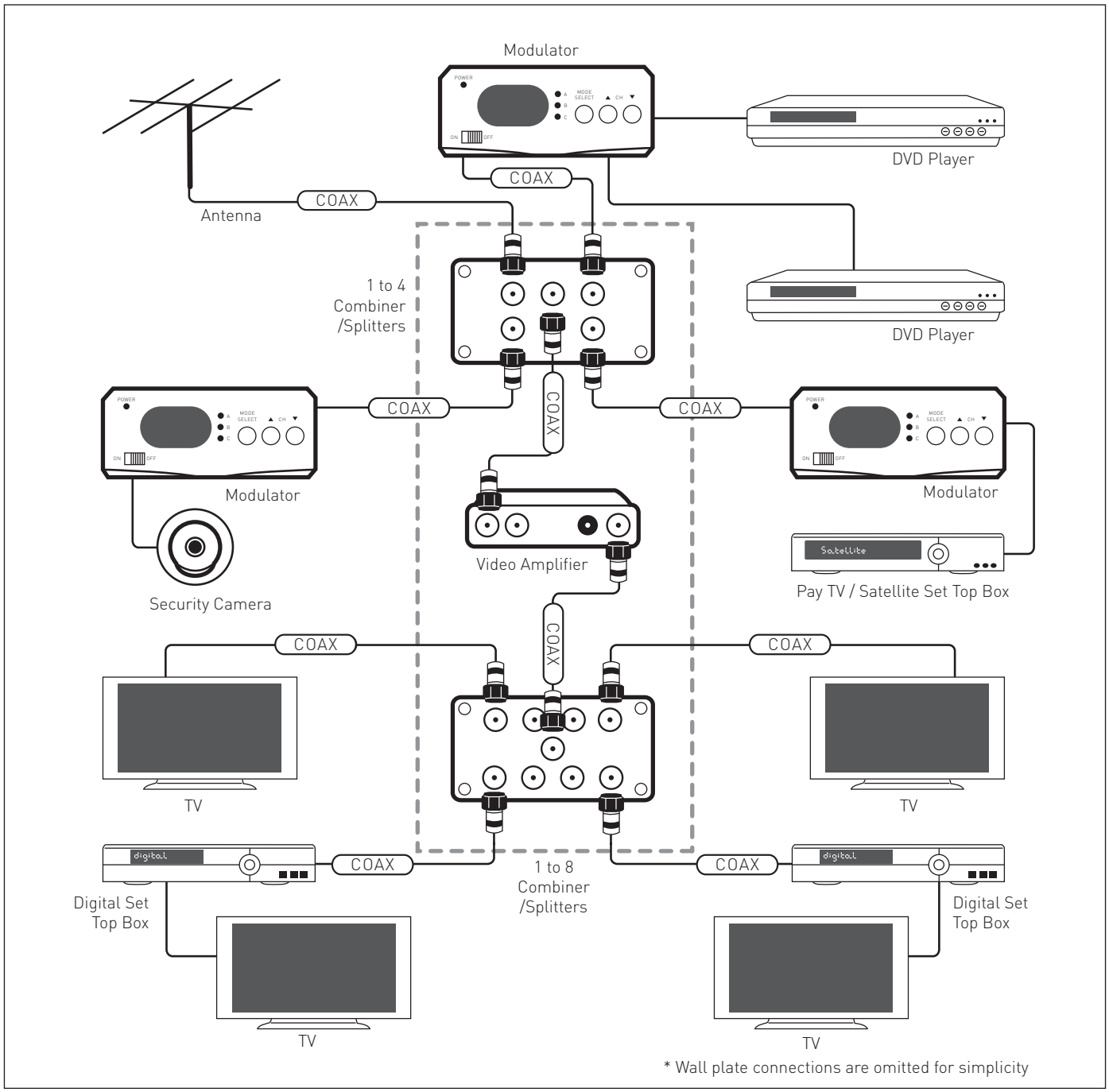
TV/Video System

Free-to-air TV, DVD, Pay TV and security camera signals can be distributed to up to 8 televisions using the HPM Home Networks' combiner and splitter arrangements.

All baseband video sources from equipment such as DVD, Pay TV and security cameras are modulated using a modulator (CAT HNMD01 or HNMD03). These modulated signals are fed to the combiner (CAT HNVM1000 or HNVM1002) together with free-to-air antenna signal.
This combined signal is then fed into a splitter (CAT HNVM1000 or HNVM1002) to be distributed to TVs around the home.
A Video Amplifier (CAT HNVA01) might be required between the combiner and splitter.

A TV when hooked up to one of the outlets receives all the free-to-air channels from the aerial antenna plus the modulated video sources, showing up on pre-set analog channels.

The video distribution system is also digital ready. Digital TVs or digital set-top boxes at the outlets are able to receive digital TV broadcast.



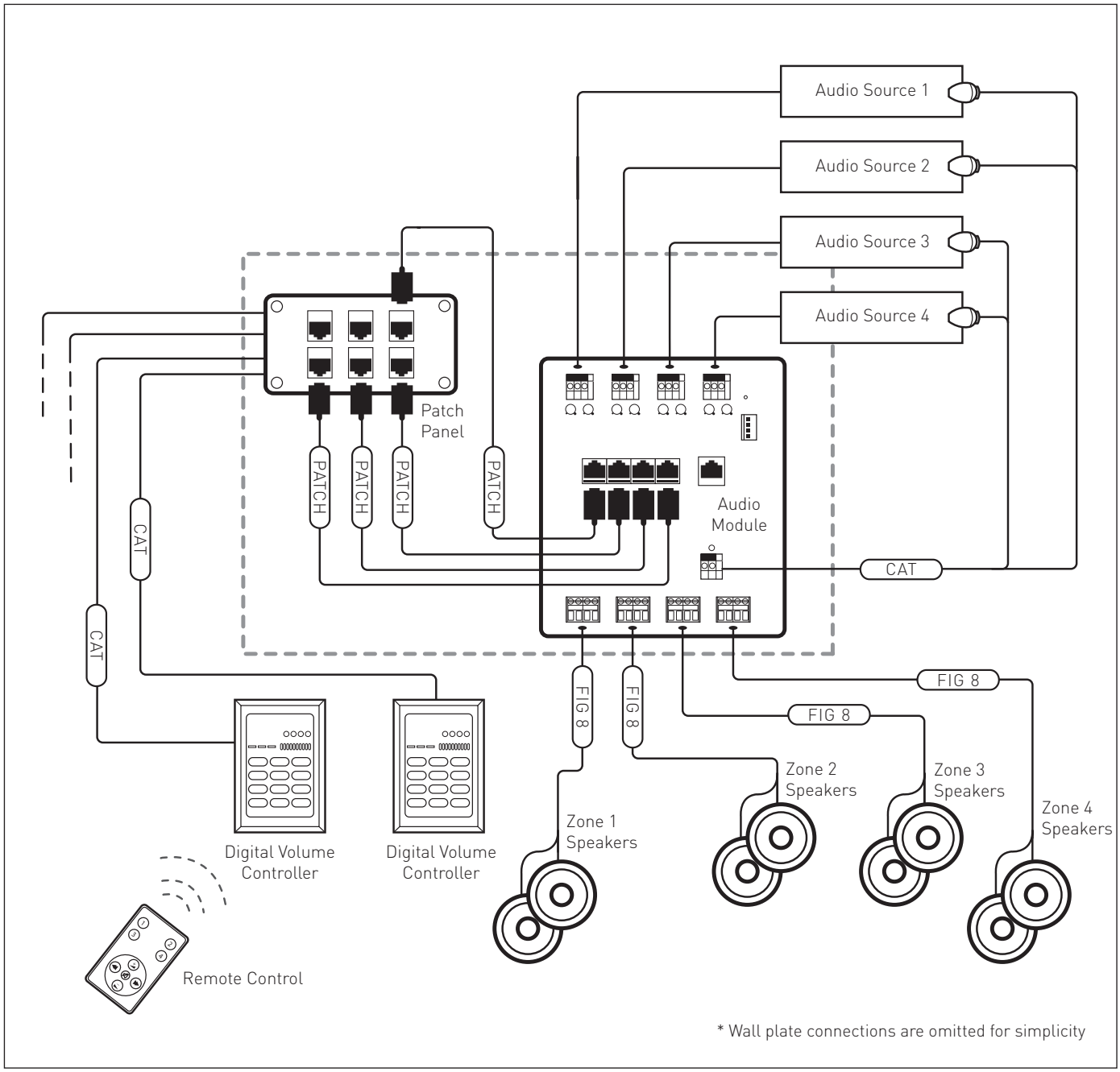
Audio System

With HPM's Audio Distribution System, audio from 4 different sources can be delivered to up to 4 different zones of a home, public building or commercial space, simultaneously.

The Audio module (CAT HNAM02) is the hub of the system. This module takes signals from up to 4 sources and supplies amplified, high quality sounds directly to stereo speakers in each output location.

When connected to the Audio module (CAT HNAM02), the wall unit, Digital volume controller (CAT HNVC03), enables source select and volume control functions to be performed in each output location. Treble and bass level adjustments can also be performed via the Controller. A whole-house broadcast function is conveniently built into the Controller and can be activated by pushing the 'Broadcast' button and speaking into the wall unit.

Expansion up to 16 zones is possible with the use of an Audio splitter module (CAT HNAS01) and up to 3 other Audio modules (CAT HNAM02).



Section 11

Ventilation & Air Movement

Exhaust fans and mounting kits

R621/4SC

Pack	Cat No.	**100mm wall exhaust fans** 230-240V a.c. Hole cutout size: 105mm. 155mm H x 155mm W x 93mm D.
1	R621/4A	100mm (4") heavy duty wall exhaust fan. Air displacement rate approx 88m³/hour. Wall, window or ceiling mount. 16W. White finish.
1	R621/3SC	100mm (4") slimline exhaust fan with 3 to25 mins adjustable time delay. Air displacement rate approx 93m³/hour. Wall or ceiling mount, 18W. Brushed chrome finish.
1	R621/4SC	100mm (4") slimline exhaust fan. Air displacement rate approx 93m³/hour. Wall or ceiling mount, 18W. Brushed chrome finish.
1	R621/3S	100mm (4") slimline exhaust fan with 3 to 25 mins adjustable time delay. Air displacement rate approx 93m³/hour. Wall or ceiling mount, 22W. White finish.
1	R621/4S	100mm (4") slimline exhaust fan. Air displacement rate approx 93m³/hour. Wall or ceiling mount. 22W. White finish.

R621/4D

Pack	Cat No	**100mm fan mounting kits**
10	R621/4D	100mm (4") wall kit suits all HPM 100mm fans. Includes exterior grille, duct, cable ties & wall plugs.
1	R621/4WA	100mm (4") window kit for R621/4A exhaust fan, Includes gaskets, exterior grille & flush plate.

R621/8A

Pack	Cat No.	**150mm wall exhaust fans** 230-240V a.c. Hole cutout size: 160mm. 225mm H x 225mm W x 112mm D.
1	R621/8A	150mm (6") Heavy duty wall exhaust fan. Air displacement rate approx 245m³/hour. Wall, window or ceiling mount. 29W.
1	R621/9A	150mm (6") Heavy duty wall exhaust fan with auto shutters. Air displacement rate approx 245m³/hour. Wall, window or ceiling mount. 29W.

R621/6WA

Pack	Cat No.	**150mm fan mounting kits**
1	R621/6WA	150mm (6") window kit for 621/8A & 9A exhaust fan. Includes gaskets, exterior grille & flush plate.
1	R621/6D	150mm (6") wall kit R621/8A&9A exhaust fan. Includes exterior wall grille, 350mm ducting tube, cable ties and wall plugs.

HNPS005

Pack	Cat No	**200mm and 250mm ceiling exhaust fans** 240V a.c.. Self-lubricating bearings. Complete with lead and 2 pin plug. Easy-clean grille.
4	R621/1	200mm (8") exhaust fan. Air displacement rate approx 360m³/hour. Ceiling mount. Hole cutout size: 242mm.
4	R621/2	250mm (10") exhaust fan Air displacement rate approx 510m³/hour. Ceiling mount. Hole cutout size: 298mm.

Pack	Cat No	
1	R621/1A	200mm (8") exhaust fan. Air displacement rate approx 300m³/hour. Ceiling mount. Hole cutout size: 240mm. Square grille design.
1	R621/2A	250mm (10") exhaust fan Air displacement rate approx 410m³/hour. Ceiling mount. Hole cutout size: 287mm. Square grille design.

R621D2

Pack	Cat No	**Exhaust fans - ducted**
1	R621D1	Ducted ceiling exhaust fan - square. Air displacement rate approx 160m³/hr. Complete with 3m duct and exterior exhaust grille. Hole cut-out size 230mm x 252mm. Built in Draft-Stopper closes when fan not in operation, saves energy and helps meet energy rating requirements of homes.
1	R621D2	Ducted ceiling exhaust fan - round. Air displacement rate approx 300 m³/hr. Hole cutout size 298mm diameter. No ducting included. Comes with 150mm adaptor.

Vent-Axia low voltage exhaust fans

453746

Pack	Cat No	**Luminair VentLight**
1	453746	Vent and halogen light accessory, white. For ducted exhaust fan systems in bathrooms, kitchens, showers, WC's and ensuites. Safety Extra Low Voltage (SELV) design allows use in splash zones. Cutout size is 105mm, supplied complete with 20W halogen lamp. Requires suitable in-line fan and ducting & transformer (not supplied). IP54 rating.

LM100L

Pack	Cat No	**Luminair fan with light** Unique vent & light combination. Safe extra low voltage design allows use in splash zones. Cutout size - 105mm. Supplied with 20W halogen lamp and transformer. IP65 rated.
1	LM100L	100mm (4") low voltage exhaust fan and dichroic light. White

VA100SVX12

Pack	Cat No	**12 volt waterproof exhaust fans** Safety extra low fans suitable for areas subjected to splashing. Supplied with 240/12V transformer, suitable for panel mounting. For window mounting, use Cat. No. R621/4WA, for wall mounting use Cat. No.R621/4D. All air displacement rates are rated at high speed. IP57 rated.
1	VA100SVX12	100mm (4") low voltage exhaust fan with shutters, 18W. Air displacement 76m³/hour
1	VA100SVL12	100mm (4") low voltage exhaust fan without shutters, 18W. Air displacement 76m³/hour

R621/6L

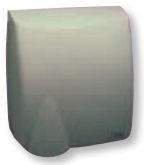
Pack	Cat No	**In-line fan kits**
1	R621/6L	150mm (6") in-line exhaust fan kit. Air displacement rate approx 360 m³/hr. Includes in-line exhaust fan, 5m duct, cable ties & grilles. 46W.

Fan lights

R620

Pack	Cat No	
		FanLights 250mm (10") Hole cutout size: 300mm (11.75 inches). Fan motor: 240V a.c. 38W. Lamp: 240V, 75W BC maximum. Easy clean grille. Lamp not included.
1	R620	FanLight exhaust fan & light 340mm diameter. 90mm protrusion from ceiling.

Hand dryer



R623/1000A

Pack	Cat No	
		Hand dryer, 240V a.c.
1	R623/1000A	1000W automatic no touch hand dryer

Heat lamps

R615

Pack	Cat No	
		Heat lamps Lamps may be dimmed for variable heat
1	R615	Single heat downlight, 240V a.c. 275W, flush fitting. White rim 170mm diameter x 235mm depth. Hole cutout size: 151mm.
		Replacement bulbs
1	L275HLES	Bathroom Heat lamp 275W
1	L375HLES	Bathroom Heat lamp 375W

Instant heat

R622/1AC

Pack	Cat No	
		Standard Fan, light & heater combination.
1	R622/1AC	2 heat lamp model. 2 x 275W heat lamps plus exhaust fan and 100W ES incandescent light. 374 x 340mm. Includes white three-gang Excel switch marked Heat, Light, Fan.
1	R622/2AC	4 heat lamp model. 4 x 275W heat lamps plus exhaust fan and 100W ES incandescent light. 405mm square. Includes white three-gang Excel switch. Two mechanisms are standard type to control light and fan. The other is a dual dolly for half/full heat.

R622D2

Pack	Cat No	
		Ducted
1	R622D1	Instant Heat 2. 2 x 275W heat lamps plus exhaust fan and 60W ES incandescent light. External ducting. Complete with 3m of 100mm diameter duct and exterior exhaust grille. 190mm projection into ceiling. Includes white three-gang Excel switch marked Heat, Light, Fan. Built-in Draught-Stopper closes when fan not in operation, saves energy and helps meet energy rating requirements of homes.
1	R622D2	Instant Heat 4. 4 x 275W heat lamps plus exhaust fan and 100W ES incandescent light. External ducting. Complete with 3m of 100mm diameter duct and exterior exhaust grille. 235mm projection into ceiling. Includes white three-gang Excel switch. Two mechanisms are standard type to control light and fan. The other is a dual dolly for half/full heat. Built-in Draught-Stopper closes when fan not in operation, saves energy and helps meet energy rating requirements of homes.

AirBoss ceiling sweep fans

WATCF12

Pack	Cat No	
		White - hangsure - prewired - light adaptable Includes white Excel fan controller
1	WATCF9	900mm, reversible, 3 aluminium blades, sealed bearings.
1	WATCF12	1200mm, reversible, 3 aluminium blades, sealed bearings.
1	WATCF14	1400mm, reversible, 3 aluminium blades, sealed bearings.
		White - J hook - prewired - light adaptable
1	WATCF9J	900mm, reversible, 3 aluminium blades, sealed bearings.
1	WATCF12J	1200mm, reversible, 3 aluminium blades, sealed bearings.
1	WATCF14J	1400mm, reversible, 3 aluminium blades, sealed bearings.

WATCF13AW

Pack	Cat No	
		Rattan white - hangsure - prewired - light adaptable
1	WATCF13AW	1300mm, reversible, 4 aluminium/ timber rattan blades, sealed bearings.

WATCF12BS

Pack	Cat No	
		Brushed stainless steel finish - hangsure - prewired - light adaptable
1	WATCF12BS	1200mm, reversible, 3 stainless steel finish blades, sealed bearings
1	WATCF14BS	1400mm, reversible, 3 stainless steel finish blades, sealed bearings
		Brushed stainless steel finish - J hook - prewired - light adaptable
1	WATCF12BSJ	1200mm, reversible, 3 stainless steel finish blades, sealed bearings

AirBoss accessories

WATWM16W

Pack	Cat No	
		Oyster light kit
1	WATWM16W	245mm dia x 90mm high - 2 x 60W ES globes rec. White
1	WATWM16BS	245mm dia x 90mm high - 2 x 60W ES globes rec. Brushed stainless steel finish

WATWM20W

Pack	Cat No	
		Clipper light kit
1	WATWM20W	190mm dia x 111mm high - 100W ES globe rec. White
1	WATWM20BS	190mm dia x 111mm high - 100W ES globe rec. Brushed stainless steel finish
		Downrods
1	WATCFDR750W	750mm, white
1	WATCFDR750WJ	750mm, white, J-Hook
1	WATCFDR750BS	750mm, brushed stainless steel finish
1	WATCFDR750BSJ	750mm, brushed stainless steel finish, J-Hook
1	WATCFDR1500W	1500mm, white
1	WATCFDR1500WJ	1500mm, white, J-Hook
1	WATCFBRACK	Bracket, J-Hook
		Controller
1	WATCFFR3HS	Flush mount controller, 3 speed with HPM Excel mounting plate
1	3SPKNOB	Fan controller knob Available in white, black, cream
		Ceiling fan blade
1	WATCFBS12	Set of 3, white
1	WATCFBS14	Set of 3, white
1	WATCFBS13AW	Set of 3, white rattan

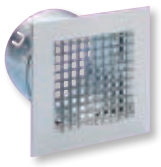
Flexible ducting and finishing accessories

A101

Pack	Cat No	**Flexible ducting** Connects to exhaust fans, branch connections, ceiling grilles, univents and diffusers
1	A100	Ducting 100mm diameter, 3m length
1	A101	Ducting 150mm diameter, 3m length
1	A102	Ducting 200mm diameter, 3m length
1	A103	Ducting 250mm diameter, 3m length
1	R621D2DA	100mm - 150mm duct adaptor

A201

Pack	Cat No	**2-way branches** Used to connect ducting from units to ceiling grilles, univents & diffusers
1	A200	Branch 150:150:150mm
1	A201	Branch 200:150:150mm



A501

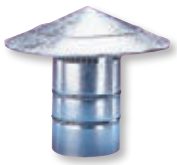
Pack	Cat No	**Eggcrate grille** Can be used for exhaust or air replacement purposes. Supplied with neck adaptor.
1	A501	150mm diameter, 150mm square

A505

Pack	Cat No	**Circular ceiling/wall diffuser** Connects directly to flexible ducting. Supplied with PDS adaptor and damper control.
1	A505	150mm diameter

A601

Pack	Cat No	**Cable ties** For securing flexible duct to grilles, branch connections and air vents.
1	A601	Suits 250mm diameter duct



A701

Pack	Cat No	**Vent cowl** Designed to vent air from internal exhaust units to the outside via ductwork.
1	A701	Suits 150mm (size 6) exhaust fans. 150/200mm diameter.

A800

Pack	Cat No	**Airflow shutter** Designed to fit 100mm (4 inch) wall exhaust fans & 12 volt units
1	A800	Shutter with gravity flaps to protect against backdraught for external termination of 100mm duct
		Airflow shutter 150mm Designed to fit 150mm (6 inch) wall exhaust fans & 12 volt units
1	A801	Shutter with gravity flaps to protect against backdraught for external termination of 150mm duct

Section 12

Garden Lighting

Halogen lighting 240V a.c.

R605/5

Pack	Cat No	Flood lamps, 240V a.c., 50Hz
1	R605/3	Weatherproof 150W halogen flood lamp, tilt adjustment, IP44. Wall, post, or under eave mounting. Supplied with halogen globe. White finish.
1	R605/4	Weatherproof 500W halogen flood lamp, tilt adjustment, IP44. Wall, post, or under eave mounting. Supplied with halogen globe. Silver finish.
1	R605/5	Weatherproof 150W halogen flood lamp with sensor, IP44. Wall mounting. Supplied with halogen globe. White finish.
1	R605/6	Weatherproof 500W halogen flood lamp with sensor, IP44. Wall, post or under eave mounting. Supplied with halogen globe. White finish.

12V garden lights 12V a.c.

RGLAPSP2

Pack	Cat No	Mini Spotlight, 12V
6	RGLAPSP2	Aluminium and glass construction, 20W halogen. Height: 270mm (including 130mm stake) Brushed silver finish.

NEW

RGLSLMW4P

Pack	Cat No	Modena Bollard - 4 pack
1	RGLSLMW4P	4 x Modena Bollards. Stainless steel construction. Frosted diffuser 1 x LED per light. Height: 660mm (including 110mm stake) Width: 25mm

RGLSUP38

Pack	Cat No	Inground Uplight, 12V
4	RGLSUP38	20W halogen. Sits flush to the ground. Acts as a vertical spotlight, illuminating statues or taller trees and shrubs. With its discreet minimalist styling it is also ideal for illuminating paths, driveways or courtyard edges. 105mm x 105mm. Satin silver finish.

RGLSSP2

Pack	Cat No	Mini Spotlight, 12V
6	RGLSSP2	10W halogen. Provides directional light for highlighting trees and shrubbery. Height: 130mm. Satin silver finish.
4	RGLKSSM4	Mini spotlight Set, 10W halogen. Set of 4 mini spotlights, with 15m cable and 60VA transformer. Satin silver finish.

NEW

RGLVPLB

Pack	Cat No	Mackay 2 Tier Pathlight, 12V
1	RGLVPLB	5W halogen lamp. Lightweight, black non rusting poly-propylene construction. Fluted diffuser. Height: 485mm (including 170mm stake) Width: 112mm

Garden Lighting

Section 12

NEW

RGLSED2P

Pack	Cat No	Round Wall Light, Twin Pack, 12V
1	RGLSED2P	2 x Round Wall Lights. 10W halogen. Non rusting alloy construction. Frosted glass lens. Satin silver finish.

NEW

RGLVSBL

Pack	Cat No	Mini Spotlight, 12V
1	RGLVSBL	Adjustable tilt head. Quality metal construction with tempered glass lens. 1 x 10W Bi Pin halogen lamp. Height: 310mm (including 200mm stake) Width: 64mm.

RGL1

Pack	Cat No	Bollard Walklight, 12V
4	RGL1	20W halogen. Aluminium and glass construction. 20W dichroic halogen globe. Height: 370mm (including 170mm stake) Verdigris finish.

RGL2

Pack	Cat No	Adjustable Spotlight, 12V
4	RGL2	Aluminium and glass construction. 20W halogen globe. Has a brilliant light that projects 10 metres and more, for highlighting features such as statues and trees. Height: 330mm (including 170mm stake) Verdigris finish.

NEW

RGL3BL2P

Pack	Cat No	T-Dome Uplights, 12V
1	RGL3BL2P	Set of 2. Quality black metal construction with glass head. 10W halogen globes. Height: 300mm (including 160mm metal stake) Width: 70mm.

NEW

RGLKMVBL4

Pack	Cat No	Mini Spotlight Kit, 12V
1	RGLKMVBL4	Kit includes 4 Spotlights with connectors, 4 stakes, 4x 10W halogen lamps, 1 x 15m cable, and 1 x 60VA transformer. Metal construction with black enamel finish. Height: 310mm (including 200mm stake) Width: 64mm.

NEW

RGLVSPBL

Pack	Cat No	Geo Spotlight, 12V
1	RGLVSPBL	Lightweight, black non rusting poly-propylene construction. 5W bi pin halogen lamp. Height: 310mm (including 160mm stake) Width: 105mm. Depth: 87mm.

RGL21

Pack	Cat No.	Botanica Spotlight, 12V
4	RGL21	Aluminium and glass construction. 20W halogen. Height: 425mm (including 205mm stake) Matt black finish.

RGL22

Pack	Cat No.	Classic Tier Pathlight, 12V
4	RGL22	Aluminium and glass construction. 10W halogen. Height: 545mm (including 205mm metal stake) Matt black finish.

NEW

RGLKVSPBL4

Pack	Cat No	Geo Spotlight Kit
1	RGLKVSPBL4	Kit includes 4 x spotlights, 4 x stakes, 4 x 5W halogen lamps, 1 x 12m cable and 1 x 20VA transformer. Lightweight, black non rusting poly-propylene construction. Height: 310mm (including 160mm stake) Width: 105mm Depth: 87mm.

12V garden light accessories 12V a.c.

RGLTR220

Pack	Cat No	Garden light transformers
8	RGLTR60	60VA. IP56 rating
6	RGLTR105	105VA. IP56 rating
4	RGL11	150VA. IP56 rating
4	RGLTR220	220VA. IP56 rating
1	RGLTR400	400VA. IP65 rating

DGLS150

Pack	Cat No	Dusk to Dawn sensor
6	DGLS150	Automatically turns lights on at dusk and off at dawn. Designed for use with any 12V garden light system.

RGL10

Pack	Cat No	Automatic sunset timer for garden lights
5	RGL10	Rated 200VA. Automatically switches lights on at dusk and off again 2, 4, 6 or 8 hours later, or can be overridden for manual light operation.

RGL8

Pack	Cat No	Garden light cables
5	RGL8	10m cable, 1.3mm², standard duty
5	RGL9	20m cable, 1.3mm², standard duty
5	RGLCL21/30	30m cable, 2.1mm², heavy duty
5	RGLCL33/30	30m cable, 3.3mm², extra heavy duty
10	RGLHSC15	15m cable, 0.5mm², standard duty Suits HaloScape™ lights and HPM 12V LED deck lights.

LED garden lights

NEW

RGL1209

Pack	Cat No	Olympia LED Bollard
1	RGL1209	Textured black steel construction with frosted diffuser & white interior to enhance the lighting effect. Flat base plate for easy fixing. 6 warm white LEDs. Height: 400mm. Width: 80mm

NEW

RGL1215

Pack	Cat No	Stargate LED Bollard
1	RGL1215	High quality grade 304 stainless steel construction. 40 LEDs with polished pyramid reflector for maximum light. Height: 400mm. Width: 100mm.

RGLKRSLD4

Pack	Cat No.	
		LED Deck and Step Lights 12V, stainless steel
6	RGLKRSLD4	LED Deck and step light kit. Ideal for decorating deck areas, steps and patios, for style and safety. These lights are also ideal for indoors, in areas such as staircases, hallways, walls and cabinets. Kit includes 4 x 45mm diameter LED deck and step lights, 10W indoor transformer; 12m extra low voltage cable; 8 cable connector locking plugs and non-rusting stainless steel and durable plastic construction. White LED, 0.3W.
6	RGLKRSLD24	LED Deck & step light - 4 pack Pack of 4 x 45 diameter LED deck lights. Designed as an 'ADD ON' pack for the LED Deck & Step Light kit (RGLKRSLD4) or can be installed as a separate lighting set up. White LED, 0.3W.
6	RGLKRSLDBL4	LED Deck & step light - 4 pack, stainless steel, blue LED, 0.3W.

RGLKRBRLD4

Pack	Cat No.	
		LED Step Light Kit
6	RGLKRBRLD4	LED Deck & step light kit, brass. Includes 4 x 45 diameter deck & step lights, 10W indoor transformer, 12m extra low voltage cable, white LED, 0.3W.

NEW

RGLBW2

Pack	Cat No	
		LED Round Wall Light, Twin Pack
1	RGLBW2	Non-rusting aluminium body with frosted lens. 4 white LEDs per light. Diameter: 100mm. Depth: 45mm. Matt black finish.

NEW

RGLPSSW2

Pack	Cat No.	
		LED Square Wall Light
6	RGLSSW1	White 0.5W LED, 100 x 100mm. Satin silver finish.

RGLOSLD1

Pack	Cat No.	
		LED Rectangular Deck & Wall Light
6	RGLOSLD1	Stainless steel construction, white 1W LED, 132 x 73mm.

RGLSSLD2

Pack	Cat No.	
		LED Square Deck & Wall Light
6	RGLSSLD2	2 pack, stainless steel construction, white 0.8W LED, 73 x 73mm

RGLSPBL1

Pack	Cat No.	
		LED Submersible Spotlight Black
6	RGLSPBL1	Aluminium and glass construction. Weatherproof IP68 rating. Ground stake and surface mount options. 10 x white LEDs, 1W per light. Matt black finish.

RGLSPS1

Pack	Cat No.	
		LED Submersible spotlight Silver
6	RGLSPS1	Aluminium and glass construction. Weatherproof IP68 rating. Ground stake and surface mount options. 10 x white LEDs, 1W per light. Satin silver finish.

RGLPCTR10

Pack	Cat No.	12V LED lighting accessories
6	RGLPCTR10	LED Lighting installation pack. Includes 10W transformer and 12m cable
6	RGLPCTAW20	LED Installation pack with narrow cable. Suitable for use with HPM deck & step lights.

Solar garden lights

NEW

RSL1202

Pack	Cat No	Stainless Steel Mini Bollards, Kit of 3
1	RSL1202	3 x stainless steel mini bollards with remote. Solar panel. 4 x white LEDs in each bollard. Rechargeable battery included. Height: 120mm. Width: 100mm.

NEW

RSSL605/2

Pack	Cat No	Solar Security Light
1	RSSL605/2	Corrosion resistant brushed aluminium body. 130º sensor detects people entering and leaving the property within 6M range. On/off switch with Lux, sensitivity and time controls. Adjustable motion sensitivity. 80 white LEDs 6W. IP44 in sheltered position. LED average lamp life more than 20,000 hours. Durable weatherproof housing protects the solar panel in most weather conditions.

DSLBAT4

Pack	Cat No	Solar light replacement batteries
20	DSLBAT4	Solar rechargeable batteries. Pack of 4. Suits HPM solar lights.

Fluorescent accessories

380

Pack	Cat No	Fluorescent lampholders
10	375	Combination fluoro lampholder & starter socket complete with 1 x Cat. No. 380 holder
40	380	Fluoro lampholder, tombstone type, screwed terminals
40	381	Fluoro lampholder, tombstone type, snap-lock terminals
40	382	Fluoro lampholder, button type, no spacers. 11/32 inch thick
40	388	Fluoro lampholder, tombstone type with spring clips & snap-lock terminals

Starter sockets

390

Pack	Cat No.	Starter sockets
40	390	Fluoro starter socket with screw terminals, 7/32 dia. diagonal holes
40	391	Fluoro starter socket with screw terminals,1/8 inch BSW diagonal holes
40	392	Flouro starter socket with snap-lock terminals, 7/32 inch dia. diagonal holes

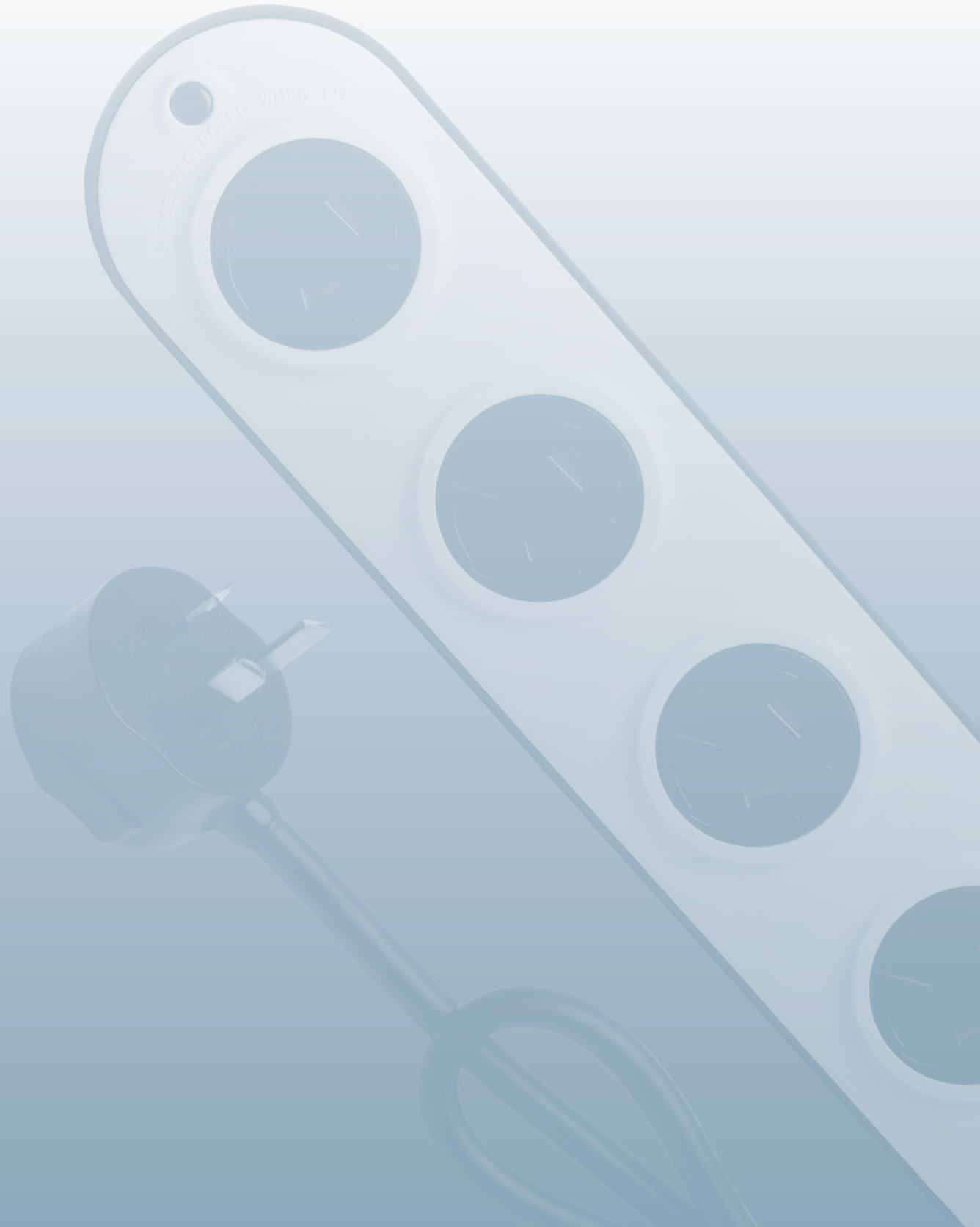
F20

Pack	Cat No	Starters
25	F20	Fluorescent starter (4 to 22W) for twin series circuits
25	F40	Universal fluorescent starter (4 to 65W)

Pack	Cat No	Replacement globes
8	DGLWLED	LED replacement globe - 2 pack, white LED, 0.5W

Section 13

Retail Products



Cordline switch

D5M

Pack	Cat No.	Cordline switch
10	D5M	Cordline switch for wiring onto either 3-core or figure-8 two-wire cable. Double pole, 10A. Available in white or black

Timers

D809/1

Pack	Cat No.	10A Plug-in timers
6	D809/1	24 hour timer. Up to 48 on/off switches each day. Offset design keeps adjacent outlet free
6	D809/1TWIN	Twin pack 24 hour timers. Up to 48 on/off switches each day. Offset design keeps adjacent outlet free
5	D810/2	24 hour compact timer. Up to 48 on/off switches each day. Perfect for small spaces
6	D810SLIM	Slimline 24 hour timer. Fit 2 timers side by side in a powerpoint
6	D810SLIMTP	Twinpack slimline 24 hour timer
4	D818	10A 24 hour heavy duty timer. M40 motor rating for heavy duty appliances. Easy set push-tab operation
6	D817SLIM	Slimline digital timer. Fit 2 timers side by side in a powerpoint. Settings - 24 Hour, 7 Day, week day, weekend and more. Up to 16 on/off switches per day. Countdown and random modes available. Rechargeable battery backup NEW
5	D819	10A 24 hour lamp and appliance timer. Just 2 rotating arrows to set. Override switch
6	D819/2	10A 24 hour easy set security timer with 2 ON-OFF/s power day. 4 rotating arrows to set, override switch
6	D812COUNT4	4 hour countdown timer. Switches appliances off within 4 hours
5	D817/2	7 day digital timer. Digital accuracy and advanced functions. Battery backup. Up to 14 on/off switches each day
4	D818OD	10A 24 hour heavy duty outdoor timer. M40 motor rating for heavy duty appliances. IP44 rating. Easy set push-tab operation

Door chimes

D641/BFL

Pack	Cat No.	Battery operated door chimes Bell press battery included. All D641 series wireless door chimes & bell presses are compatible. Choice of two chime tones - Ding Dong or Westminster.
8	D641/B	Battery door chime with bell press, up to 30m range. Can be used as pager or panic switch.
5	D641/BLR	Long range door chime with bell press, up to 70m range. Name insert on bell press. Available in white or charcoal.
5	D641/BFL	Deluxe door chime with flashing light and weatherproof bell press, up to 70m range. 3 volume settings. 3 year warranty.
5	D642/01	Battery operated door chime with bell press. 16 tunes and belt clip on chime.
5	D642/05	Battery operated door chime with bell press. Up to 50m range, 16 tunes and flashing light on chime.

D641/PI

Pack	Cat No.	Plug in door chimes Bell press battery included.
5	D641/PI	Plug-in door chime with weatherproof bell press, up to 30m range. Suits any standard outlet.
5	D641/PILR	Long range door chime with weatherproof bell press, up to 70m range. Includes piggy-back socket.
5	D641/PIFL	Deluxe door chime with flashing light and weatherproof bell press, up to 70m range. Includes piggy back socket. 3 volume settings. 3 year warranty.

D651

Pack	Cat No.	**Wireless doorphone**
8	D651	Wireless door phone. Up to 80m range, DIY installation.

D641/BP

Pack	Cat No.	**Bell press**
10	D641/BP	Additional weatherproof bell press for D641 series door chimes. Available in white or charcoal. 3 year warranty.

Extension leads

R2601

Pack	Cat No.	**Household duty piggy-back extension leads, 10A 240V a.c.** All lead lengths are nominal lengths.
10	R2601	1m white household duty extension lead with piggy-back plug
10	R2602	2m white household duty extension lead with piggy-back plug
10	R2604	4m white household duty extension lead with piggy-back plug
5	R2606	6m white household duty extension lead with piggy-back plug
5	R2610	10m white household duty extension lead with piggy-back plug

R2702

Pack	Cat No.	**Household duty extension leads, 10A, 240V a.c.**
10	R2702	2m white household duty extension lead.
10	R2703	3m white household duty extension lead.
5	R2705	5m white household duty extension lead.
5	R2707	7m white household duty extension lead.
5	R2710	10m white household duty extension lead.
5	R2715	15m white household duty extension lead.
4	R2720	20m white household duty extension lead.

R2810

Pack	Cat No.	**Heavy duty extension leads, 10A, 240V a.c.**
5	R2805	5m yellow heavy duty lead with clear socket and plug
5	R2810	10m yellow heavy duty lead with clear socket and plug
5	R2815	15m yellow heavy duty lead with clear socket and plug
5	R2820	20m yellow heavy duty lead with clear socket and plug
5	R2825	25m yellow heavy duty lead with clear socket and plug

R2702EB

Pack	Cat No.	**Household duty entertainment extension leads, 10A, 240V a.c.**
10	R2702EB	2m charcoal household duty extension lead with side entry, easy pull plug top
10	R2703EB	3m charcoal household duty extension lead with side entry, easy pull plug top
5	R2705EB	5m charcoal household duty extension lead with side entry, easy pull plug top

R2825L

Pack	Cat No.	Heavy duty extension leads, with clamping socket, 10A, 240V a.c.
5	R2810L	10m yellow heavy duty lead with clear clamping socket and clear plug
5	R2815L	15m yellow heavy duty lead with clear clamping socket and clear plug
5	R2820L	20m yellow heavy duty lead with clear clamping socket and clear plug
5	R2825L	25m yellow heavy duty lead with clear clamping socket and clear plug

R2930

Pack	Cat No.	Tradesman extra heavy duty extension leads, 10A, 240V a.c.
5	R2920	20m orange extra heavy duty lead. 10A clear socket & 10A clear plug. 15A lead
3	R2930	30m orange extra heavy duty lead. 10A clear socket & 10A clear plug. 15A lead
3	R2935	35m orange extra heavy duty lead. 10A clear socket & 10A clear plug. 15A lead

R2920/15

Pack	Cat No.	Construction lead, 15A, 240V a.c.
5	R2920/15	20m orange extra heavy duty lead. 15A clear shrouded socket & 15A clear plug.

Caravan leads

R2915/15CV

Pack	Cat No.	Caravan leads, 15A, 240V a.c.
3	R2915/15CV	15m orange extra heavy duty caravan lead. Clear 15A plug & clear 15A socket
3	R2920/15CV	20m orange extra heavy duty caravan lead. Clear 15A plug & clear 15A socket
3	R2920/15CV	25m orange extra heavy duty caravan lead. Clear 15A plug & clear 15A socket

CD107

Pack	Cat No.	Safety cord lock
5	CD107	Locks 3 pin plugs & extension sockets safely together. Fits all standard size plugs & sockets. Yellow
		Extension lead carry straps, for carrying leads and hoses up to 5kg
32	RHH01	Hang and hold lead strap. Orange

Double adaptors

D102WE

Pack	Cat No.	Double adaptors Available in white only
5	D2WE	Slimline twin adaptor, 10A. Projects to the right of the powerpoint
5	D2LWE	Slimline twin adaptor, 10A. Projects to the left of the powerpoint
5	D2/2WE	Pack of two twin adaptors, one left-projecting the other right-projecting, to turn a double outlet into a four-way outlet
10	D102WE	Conventional triangular double adaptor, 10A
20	R102WE	Conventional triangular double adaptor, 10A. Box of 20 (price quoted 'each')

Surge protected adaptors

D2PA

Pack	Cat No.	**Surge protected twin adaptors, 240V a.c.**
5	D2PA	Plug-in slimline twin adaptor offers protection against surges and spikes on the mains supply Neon indicates 'protection working'. Rated to 10 Amps.
5	D2PAB	Plug-in twin adaptor with audible buzzer warning when protection is no longer available. Rated to 10A

D2PARJ

Pack	Cat No.	**Surge protected outlet, 240V a.c.**
5	D2PARJ	10A plug-in surge protector 1 surge protected power outlet plus surge protected phone/data/modem/internet line.

Powerboards

D105PA6

Pack	Cat No.	**Household powerboards with overload protection, 240V a.c.** All lead lengths are nominal lengths unless otherwise stated
8	D105/4TR	4 outlet powerboard with spacing for up to 2 plug-in transformers, 0.9m lead, 10A. White
5	D105/1	4 outlet powerboard, 1.8m lead, 10A. White
1	R105	Box of 10, 4 outlet powerboard, 0.9m lead, 10A. White. Must be ordered in box quantities. (price quoted 'each')
1	R105/6	Box of 10, 6 outlet powerboard, 0.9m lead, 10A. White. Must be ordered in box quantities. (price quoted 'each')

D104PA6

Pack	Cat No.	**Switched powerboards, 240V a.c.** Individually switched outlets with overload protection.
5	D104WE	4 outlet powerboard, 0.9m lead, 10A. White.
5	D104PAWE	4 outlet powerboard, 1.8m lead, 10A with, safety plugs and 150J surge protection. White.
5	D104PA6	6 outlets, 1.8m lead, 10A with customised switch inserts, safety plugs and switch lock with 150J surge protection. White.

Surge protected powerboards

D105PA6CC

Pack	Cat No.	**Entertainment powerboards with surge protection and overload protection 240V a.c.**
8	D105/4TRPA	4 outlet powerboard with spacing for 2 transformers and 150J surge protection, 0.9m lead, White
5	D105/5TRPA	5 outlet powerboard with spacing for 3 transformers and 150J surge protection, 1.8m lead, 10A, White
5	D105PA6	6 outlet powerboard with 150J surge protection, 0.9m lead, 10, White.
5	D105PA6CC	6 outlet powerboard with 150J surge protection, 1.8m lead, 10, Charcoal.
5	D105PP4	1 Entertainment powerboard with 4 outlets, 450J surge protection, and RFI filtering on poweroutlets, 1.8m lead, 10A, White.
5	D105PP6	Entertainment powerboard with 6 outlets, 450J surge protection, and RFI filtering on poweroutlets, 1.8m lead, 10A, White.
5	D105PA8	8 outlet powerboard, 1.8m lead, 10A with 150J surge protection. White.
5	D105PA8CC	8 outlet powerboard, 1.8m lead, 10A with 150J surge protection. Charcoal.
8	D105/12TRPPCC	12 outlets with spacing for 3 transformers and 1.8m lead, 10A with 450J surge protection and RFI filtering, Charcoal.
8	D105/12TRPA	12 outlets with spacing for 3 transformers and 1.8m lead, 10A with 150J surge protection, White.

D105POD6

Pack	Cat No.	**Child-safe ™ powerboards with overload protection, 240V a.c.**
8	D105SSPA4	4 outlet powerboard with rotating child safety covers and 150J surge protection, 0.9m lead, 10A, White.
8	D105POD6	6 outlet powerboard with rotating child safety covers and 900J surge protection,1.8m lead, 10A, White.
8	D105POD4	4 outlet powerboard with rotating child safety covers and 900J surge protection,1.8m lead, 10A, White.

D105CONPA40

NEW

Pack	Cat No.	**Conga powercord, 240V a.c.**
5	D105CONPA40	4 outlets with rotating child safety covers and 150J surge protection. 0,9m lead with 300mm lead between outlets. 10A, Charcoal

D105MSPA6PM

NEW

Pack	Cat No.	**Energy saving powerboard, 240V a.c.**
4	D105MSPA6PM	6 outlet - 1 constant on, 1 master, 4 controlled peripherals with energy consumption meter. 1050J surge protection, RFI filtering, 0.9m lead. 10A, White

D105PA4RJ

Pack	Cat No.	**Computer & communications powerboards with surge protection and overload protection, 240V a.c.**
5	D105PA4RJ	Teleguard™ telecommunications powerboard with 4 outlets, overload protection, 450J surge protection phone /data /modem / internet line, 10A, White, 1.8m lead
5	D105PA6RJ	Teleguard™ telecommunications powerboard with 6 outlets, overload protection, 450J surge protection phone /data / modem / internet line, 10A, White, 1.8m lead
5	D105PP4RJ	Computer powerboard with 4 outlets, 450J surge protection, RFI filtering on poweroutlets, and surge protected phone / data / modem / internet line 10A, White, 1.8m lead
5	D105PP6RJ	Computer powerboard with 6 outlets, 450J surge protection, RFI filtering on poweroutlets, and surge protected phone / data / modem / internet line 10A, White, 1.8m lead

Heavy-duty powerboards

D105PBOSSELPA8

D105PBOSSPA4

Pack	Cat No.	**Plug Boss™ heavy duty powerboards, 240V a.c.**
5	D105PBOSS5	5 outlet powerboard, spacing for up to 3 transformer plugs, 1.8m lead, 10A, cable management, "parking clip" plug, black
4	D105PBOSSPA6	6 outlet powerboard with 150J surge protection, spacing for up to 2 transformer plugs, illuminated on/off switch, cable management, "parking clip" plug, 3.1m lead, 10A, yellow
4	D105PBOSSELPA8	8 outlet powerboard with Electresafe RCD safety switch, 150J surge protection & rotating dust covers, illuminated on/off switch, cable management, "parking clip" plug, spacing for up to 2 transformer plugs, 3.1m lead, 10A
4	D105PBOSSPA4	4 outlet powerboard with 900J surge protection, illuminated on/off switch, hanging hook, 3m lead, 10A, black/yellow

NEW

Nursery plugs

CD1002

Pack	Cat No.	**Nursery Plugs**
10	CD1002	Child safety plug, 3 pin flat, pack of 6
10	D1002/1	Child safety plug, slimline, pack of 12

Travel plugs

D122

Pack	Cat No.	**Travel plugs** Available in White (WE) only.
5	D121	Pack of three plug adaptors to allow Australian appliances to be plugged into UK, European and US outlets
5	D121A	Adaptor to plug Australian appliances into US outlets
5	D121E	Adaptor to plug Australian appliances into European outlets
5	D121UK	Adaptor to plug Australian appliances into UK outlets
10	D122	Reverse adaptor allows European, Canadian or US appliances to be plugged into Australian outlets

Lamp and light fittings

DF20

Pack	Cat No.	Fluorescent accessories
10	DF20	Fluorescent starters for twin fittings 4 or 22W, pack of 2
10	DF40	Fluorescent starters, 4 to 65W, pack of 2

D9500WE

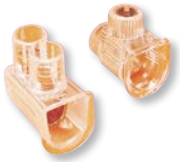
Pack	Cat No.	**Canopy set and BC adaptor**
5	D9500WE	Plug-in canopy light set with safety lampholder & 0.5m lead

Moonglow night lights

D1001/1

Pack	Cat No.	**Moonglow night lights** Economical night light. No globe to replace.
5	D1001/1	Moonglow nightlight

Connectors and terminal block



CD401

Pack	Cat No.	**Connectors**
10	CD401	Single-screw connector with large 6mm hole and see-through body for safety checking. Rated 40 Amps. Pack of 10.
1	R401B	Single-screw connector with large 6mm hole and see-through body for safety checking. Rated 40 Amps. Box of 100.
10	CD402	Two-screw connector with large 6mm hole and see-through body for safety checking. Rated 40 Amps. Pack of 10.
50	R402B	Two-screw connector with large 6mm hole and see-through body for safety checking. Rated 40 Amps. Box of 100.
10	D35P6	Terminal block connector strip, 6-way. White

Fuse Wire

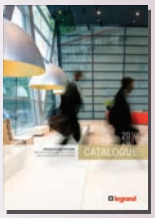
R1202

Pack	Cat No.	**Fuse Wire**
10	R1202	Fuse wire card with 8A and 16A fuse wire

Commercial Index

About

Ideal for office fit-outs, hotels and other commercial premises, HPM offers reliable products that are easy to install with the durability to withstand commercial use.



See Legrand® section for

- Excel Life™ Wiring Devices
- Arteor™ Wiring Devices & Home Automation
- Energy Distribution
- Cable Management
- Emergency Lighting Systems

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Section 14

Architectural Metal Range

Architectural Metal Range

Switches 230-240V a.c.

MS770/1LP

Pack	Cat No.	**MS large plate flat series switches** Plate size: 88 x 138mm. Mounting centres: 84mm. Standard colours available: white (WE) & black (BL).
1	MS770/1LP	1 gang switch
1	MS770/2LP	2 gang switch
1	MS770/3LP	3 gang switch
1	MS770/4LP	4 gang switch
1	MS770/5LP	5 gang switch
1	MS770/6LP	6 gang switch - WE only

MS770/1GP0LP

Pack	Cat No.	**MS large plate flat series (grid & plate)** Plate size: 88 x 138mm. Mounting centres: 84mm. Standard colours available: white (WE) only.
1	MS770/1GP0LP	1 gang large plate (grid & plate only)
1	MS770/2GP0LP	2 gang large plate (grid & plate only)
1	MS770/3GP0LP	3 gang large plate (grid & plate only)
1	MS770/4GP0LP	4 gang large plate (grid & plate only)
1	MS770/5GP0LP	5 gang large plate (grid & plate only)
1	MS770/6GP0LP	6 gang large plate (grid & plate only)

ES3-3

Pack	Cat No.	**Switch units without cut-outs (no mechs)** Supplied as plate, grids and wall box, but without mechanisms. Available in flat plate style only. mechanisms must be ordered separately. Suits all 770, 769 & 707 series mechanisms. Standard colours for grids & mechanisms - White (WE) & Black (BL). Normally supplied in vertical brushed stainless steel. Can be engraved to special order. Engravable, removable inserts also available. Plates can be ordered separately by adding PL suffix to Cat. No. Surcharge applicable to any plates other than brushed stainless steel - please check when ordering.
1	ES3-2	6 gang unit, 3 Cat. No. no MG672 grids, ES wall box & plate.
1	ES3-3	9 gang unit, 3 Cat. No. no MG673 grids, ES wall box & plate.
1	ES4-2	8 gang unit, 4 Cat. No. no MG672 grids, ES wall box & plate.
1	ES4-3	12 gang unit, 4 Cat. No. no MG673 grids, ES wall box & plate.
1	ES6-2	12 gang unit, 6 Cat. No. no MG672 grids, ES wall box & plate.
1	ES6-3	18 gang unit, 6 Cat. No. no MG673 grids, ES wall box & plate. White (WE) only.
1	ES9-2	18 gang unit, 9 Cat. No. no MG672 grids, ES wall box & plate.
1	ES12-2	24 gang unit, 12 Cat. No. no MG672 grids, ES wall box & plate.
1	ES15-2	30 gang unit, 15 Cat. No. no MG672 grids, ES wall box & plate.
1	ES18-2	36 gang unit, 18 Cat. No. no MG672 grids, ES wall box & plate.
1	ES21-2	42 gang unit, 21 Cat. No. no MG672 grids, ES wall box & plate. (White (WE) only.
1	ES24-2	48 gang unit, 24 Cat. No. no MG672 grids, ES wall box & plate. White (WE) only.

Powerpoints 230-240V av

MS788LP

Pack	Cat No.	**MS large plate flat series vertical single powerpoint** Plate size: 88 x 138mm. Mounting centres: 84mm. Standard colours for mechanisms - white (WE) & black (BL).
1	MS788LP	10A vertical powerpoint
1	MS788RLP	10A vertical powerpoint with round earth White (WE) only.
1	MS788/15PLP	15A vertical powerpoint, double pole White (WE) only.

MS791LP

Pack	Cat No.	**MS flat series large plate single powerpoint** Plate size: 138 x 88mm. Standard colours available: white (WE) & black (BL).
1	MS791LP	10A large plate single powerpoint
1	MS791/15LP	15A large plate single powerpoint
1	MS738/20LP	20A large plate single powerpoint

MS777LP

Pack	Cat No.	**MS flat series double powerpoints** Plate size: 138 x 88mm. Mounting centres: 84mm Standard colours for mechanisms - white (WE) & black (BL).
1	MS777LP	10A double powerpoint
1	MS777NSLP	10A double powerpoint with neons & safety shutters
1	MS777XLP	10A double powerpoint with extra switch

M788M

Pack	Cat No.	**M788 series powerpoint mechanisms, 240V a.c.** Mechanisms used in MM, MS and Multi series are identical. Standard colours available: White (WE) & Black (BL).
10	M788M	Vertical mechanism for 10A powerpoint
10	M788NSM	Vertical mechanism for 10A powerpoint with neon and safety shutter White (WE) only.
1	M788RM	Vertical mechanism for 10A powerpoint with round earth White (WE) only.
1	M788PM	Vertical mechanism for 10A powerpoint, double pole White (WE) only.
10	M788PNSM	Vertical mechanism for 10A powerpoint, double pole, neon and safety shutters
1	M788PNHM	Vertical mechanism for 10A 2 pole powerpoint with supply available. Neon & safety shutter for hospital use White (WE) only.
		M787 series powerpoint mechanisms, 240V a.c. Mechanisms used in MM & MS series are identical. Standard colours available: White (WE) & Black (BL), Mist Grey (MC), Red (RED).
1	M787/1	Horizontal mechanism for 10A powerpoint
10	M787M	Horizontal powerpoint for 10A powerpoints
10	M787MNSM	Horizontal powerpoint for 10A powerpoints with mean and safety shutter - (WE) & (BL) only

Architectural Metal Range

MS788/2

Pack	Cat No.	**Multi series powerpoints (no mechs)** Plate size: 114mm square. Mounting centres: 84mm. Available in MS flat series plate only. Supplied as plate and wall box, but without mechanisms. Standard colours for mechanisms - white (WE) & black (BL). Supplied as Cat. No. MS788PL plates and Cat. No. 920 to 960 wall boxes but without Cat. no. M788M mechanisms. All items may be ordered separately. No earthing of plate required. Plates can be engraved to special order.
1	MS788/2	Metal plate for 2 powerpoints: 920 wall box & plate. Suits 2 x Cat. No. No M788M mechs.
1	MS788NS2	Metal plate for 2 powerpoints with neons: 920 wall box & plate. Suits 2 x Cat. No. No M788NSM mechs. Black (BL) only.
1	MS788NS3	Metal plate for 3 powerpoints with neons: 930 wall box & plate. Suits 3 x Cat. No. No M788NSM mechs.
1	MS788/4	Metal plate for 4 powerpoints: 940 wall box & plate. Suits 4x Cat. No. No M788M mechs.
1	MS788/6	Metal plate for 6 powerpoints: 960 wall box & plate. Suits 6x Cat. No. No M788M mechs. Black (BL) only.
10	M78815M	Vertical mechanism for 15A powerpoint
		M777 powerpoint mechanisms, 240V a.c.
1	M777M	Mechanism for double powerpoint

MS798

Pack	Cat No.	**Shaver supply outlets with single powerpoint** Plate size: 184 x 85mm. Mounting centres: 84mm
1	MS798	Metal plate shaver outlet & single powerpoint
1	MS798V	Vertical metal plate shaver outlet & single powerpoint

MS798EL30

Pack	Cat No.	**Shaver supply outlets with single powerpoint and safety switch** Plate size: Horizontal model 225 x 90mm, vertical models 100 x 270mm. Mounting centres: Horizontal models 200mm, vertical models 245mm.
1	MS798EL30	Metal plate shaver outlet & single powerpoint, 30mA Safety Switch
1	MS798VEL30	Vertical metal plate shaver outlet & single powerpoint, 30mA Safety Switch

Architectural Metal Range outlets

Pack	Cat No.	**MS Large plate flat series TV outlets, 240V a.c.** Plate size: Suffix part no. with LP (138 x 88mm) to indicate plate sizes. Mounting centres: 84mm
1	MS770/1CX	75 ohm coax in standard flat plate

Grids and plates

Pack	Cat No.	**Grids, clips and inserts for multi & Esco ranges** Standard colours available: white (WE) & black (BL).
1	MG670	1 gang switch grid. 46 x 25mm with 38mm mounting centres. Suits 770, 796, 768 & 707 series mechanisms. Suitable for panel mounting.
1	MG672	2 gang switch grid to suit Multi & Esco series. 114 x 70mm with 84mm mounting centres.
1	MG673	3 gang switch grid to suit Multi & Esco series. 114 x 70mm with 84mm mounting centres.

Architectural Metal Range

MS770/1PL

Pack	Cat No.	**MS large plate flat series metal switch plates** Plate size: 70 x 114mm. Mounting centres: 84mm.
1	MS770/1PL	Plate only for 1 gang switch
1	MS770/2PL	Plate only for 2 gang switch
1	MS770/3PL	Plate only for 3 gang switch
1	MS770/4PL	Plate only for 4 gang switch
1	MS770/5PL	Plate only for 5 gang switch

Pack	Cat No.	**Metal architrave switch plates** Plate size: 70 x 114mm. Mounting centres: 84mm
1	MA770/1PL	Metal cover plate only for 1 gang architrave switch
1	MA770/2PL	Metal cover plate only for 2 gang architrave switch

718/8

Pack	Cat No.	**Mounting accessories**
1	717	Flush mounting assembly for MS switches for mounting on gyprock or wallboard. For large plates. Must be ordered complete with switch - suffix Cat. No. no with /717.
1	717/1	Gyprock mounting bracket, large
1	719	Flush mounting assembly for MS switches for mounting on gyprock or wallboard. Must be ordered complete with switch - suffix Cat. No. no with /717.
1	719/1	Gyprock mounting bracket, small
20	718/8	8mm deep plaster guage. For use with Cat. No. 429 wallbox & Cat. No. 953 adaptor plate. For setting 8mm depth of wallbox for MS series.
20	718/13	Plaster gauge, reusable. For use with Cat. No. 429 wallbox & Cat. No. 953 adaptor plate. For setting 13mm depth of wallbox for MS series powerpoints.

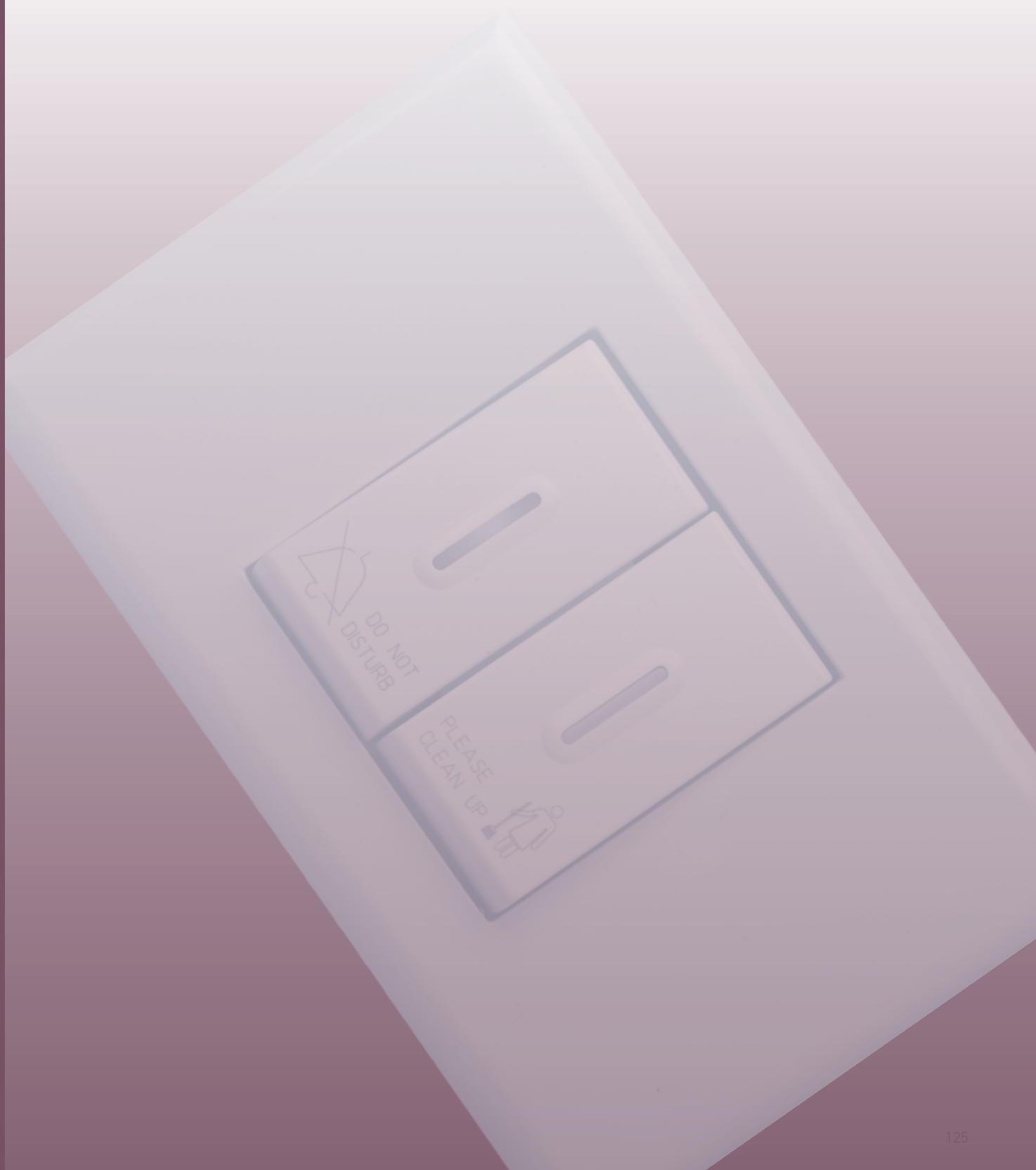
Mounting accessories

74703

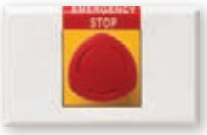
Pack	Cat No.	**Multi & Esco range clips & inserts** Standard colours available: white (WE) & black (BL).
10	74703	Panel thickness 0.76mm (0.03 inch)
10	74704	Panel thickness 1.00mm (0.04 inch)
10	74705	Panel thickness 1.3mm (0.05 inch)
10	74706	Panel thickness 1.5mm (0.06 inch)
1	801/1	Engravable insert to identify the function of individual switches Suits all Multi series & Esco plates with 2 gang (not 3 gang) switch grids. Supplied either blank or engraved to your requirements - please specify. Plate must be punched to accept. Suffix Cat. No. no 801/1.

Section 15

Hospitality



Excel Range



XLP915WEWE

Pack	Cat No.	
		Emergency Switch Horizontal standard size plates Plate size 117 x 73mm. Mounting centres: 84mm
5	XLP915WEWE	Emergency stop mushroom

XLP917WEWE

Pack	Cat No.	
		Buzzers Horizontal standard size plates Plate size 117 x 73mm. Mounting centres: 84mm
5	XLP917WEWE	Buzzer 230V
5	XLP918WEWE	Electronic buzzer 12/24/48V

XLP926WEWE

Pack	Cat No.	
		Illuminated Signs Horizontal standard size plates Plate size 117 x 73mm. Mounting centres: 84mm
5	XLP926WEWE	Illuminated sign with White LED
5	XLP927WEWE	Illuminated sign with Blue LED
5	XLP928WEWE	Illuminated sign Green/Red LED

XLP927WEWE

XLP928WEWE

XLP931WEWE

Pack	Cat No.	
		Bulkhead Lights Horizontal standard size plates Plate size 117 x 73mm. Mounting centres: 84mm
5	XLP930WEWE	Red bulkhead light 12/24V
5	XLP931WEWE	White bulkhead light 12/24V
5	XLP932WEWE	Green bulkhead light 12/24V
5	XLP933WEWE	Blue bulkhead light 12/24V
5	XLP934WEWE	Red bulkhead light 230V
5	XLP935WEWE	White bulkhead light 230V
5	XLP936WEWE	Green bulkhead light 230V
5	XLP937WEWE	Blue bulkhead light 230V

XLP939WEWE

Pack	Cat No.	
		Skirting Lights Horizontal standard size plates Plate size 117 x 73mm. Mounting centres: 84mm
5	XLP939WEWE	Skirting light
5	XLP940WEWE	Skirting light with PIR sensor and sound

XLP941WEWE

Pack	Cat No.	
		Emergency Light Horizontal standard size plates Plate size 117 x 73mm. Mounting centres: 84mm
5	XLP941WEWE	Power failure emergency light

XLP919WEWE
XLP920WEWE

Pack	Cat No.	
		Shutter Switched Horizontal standard size plates For controlling roller shutters, blinds and similar devices. Plate size 117 x 73mm. Mounting centres: 84mm 500W, 3 wire
5	XLP919WEWE	Relay control shutter switch
5	XLP920WEWE	Direct control shutter switch

XLP921WEWE

Pack	Cat No.	
		Temperature Control Horizontal standard size plates Plate size 117 x 73mm. Mounting centres: 84mm
5	XLP921WEWE	Thermostat control HVAC

XLP924WEWE

XLP925WEWE

Pack	Cat No.	
		Hotel Room Indicators Horizontal standard size plates Plate size 117 x 73mm. Mounting centres: 84mm
5	XLP924WEWE	Hotel corridor call indicator
5	XLP925WEWE	Hotel guest room call control

KeyTag switches 230-240V a.c.

XL770KT1

Pack	Cat No.	
		Excel KeyTag switches Plate size: 73 x 117mm. Mounting centres: 84mm. Supplied with Cat. No. 770/20KTM switches inside pockets, Cat. No. 707M neons (opal in pocket, red outside), Cat. No. 770T3 blank tag. The KeyTag mechanisms supplied are interchangeable with other mechs. Detailed below. Base pocket style KeyTags are available with plastic cover plates only.
10	XL770KT1	2 x 20A switches & neon in base pocket
10	XL770KT2	2 x 20A switches & neon in base pocket, 10A independent switch above
10	XL770KT3	2 x 20A switches & neon in base pocket, 10A independent switch & neon above
10	XL770KT4	3 x 20A switches in base pocket
10	XL770KT5	3 x 20A switches in base pocket, 10A independent switch above
10	XL770KT6	3 x 20A switches in base pocket, 10A independent switch & neon above
10	XL770KT7	2 x 20A switches & neon in top pocket
10	XL770KT8	2 x 20A switches & neon in top pocket, 10A independent switch below
10	XL770KT9	2 x 20A switches & neon in top pocket, 10A independent switch & neon below
10	XL770KT10	3 x 20A switches in top pocket
10	XL770KT11	3 x 20A switches in top pocket, 10A independent switch below
10	XL770KT12	3 x 20A switches in top pocket, 10A independent switch & neon below
10	XL770KT13	3 x 20A switches & neon in base pocket
10	XL770KT14	4 x 20A switches in base pocket
10	XL770KT15	3 x 20A switches & neon in top pocket
10	XL770KT16	4 x 20A switches in top pocket
		KeyTags
10	770T3	Keytag, 100mm long, with removable insert

XL770VCKT1

Pack	Cat No.	**Excel VingCard KeyTag switches** Plate size: 73 x 117mm. Mounting centres: 84mm. Available in white only. Activation by insertion of a VingCard (not supplied). Base pocket style KeyTags are available with plastic cover plates only. **Replacement Market only.**
10	XL770VCKT1	2 x 20A switches & neon in base pocket
10	XL770VCKT3	2 x 20A switches & neon in base pocket, 10A independent switch & neon above
10	XL770VCKT4	3 x 20A switches in base pocket
10	XL770VCKT5	3 x 20A switches in base pocket, 10A independent switch above
10	XL770VCKT6	3 x 20A switches in base pocket, 10A independent switch & neon above
10	XL770VCKT7	2 x 20A switches & neon in top pocket
10	XL770VCKT8	2 x 20A switches & neon in top pocket, 10A independent switch below
10	XL770VCKT9	2 x 20A switches & neon in top pocket, 10A independent switch & neon below
10	XL770VCKT10	3 x 20A switches in top pocket
10	XL770VCKT11	3 x 20A switches in top pocket, 10A independent switch below
10	XL770VCKT12	3 x 20A switches in top pocket, 10A independent switch & neon below
10	XL770VCKT13	3 x 20A switches & neon in base pocket
10	XL770VCKT14	4 x 20A switches in base pocket
10	XL770VCKT15	3 x 20A switches & neon in top pocket
10	XL770VCKT16	4 x 20A switches in top pocket

XL770KM1

Pack	Cat No.	**Excel KeyCard switches** Plate size: 73 x 117mm. Mounting centres: 84mm. Available in white only. Activation by insertion of a room access card, (not supplied). Base pocket style KeyTags are available with plastic cover plates only.
10	770/20KMM	Mechanism for keycard
10	XL770KM1	2 x 20A switches & neons in base pocket
10	XL770KM2	2 x 20A switches & neons in base pocket, 10A independent switch above
10	XL770KM3	2 x 20A switches & neons in base pocket, 10A independent switch & neon above
10	XL770KM7	2 x 20A switches & neons in top pocket
10	XL770KM8	2 x 20A switches & neons in top pocket, 10A independent switch below
10	XL770KM9	2 x 20A switches & neons in top pocket, 10A independent switch & neon below

770KT1

Pack	Cat No.	**Standard KeyTag switches** Plate size: 70 x 114mm. Mounting centres: 84mm. Available in white only. Supplied with Cat. No. 770/20KTM switches inside pockets, Cat. No. 707M neons (opal in pocket, red outside) Cat. No. 770M switches outside pockets, and Cat. No. 770T3 blank tag. The KeyTag mechanisms supplied are interchangeable with other mechs detailed below.
10	770KT1	2 x 20A switches & neon in base pocket
10	770KT2	2 x 20A switches & neon in base pocket, 10A independent switch above
10	770KT3	2 x 20A switches & neon in base pocket, 10A independent switch & neon above
10	770KT4	3 x 20A switches in base pocket
10	770KT5	3 x 20A switches in base pocket, 10A independent switch above

10	770KT8	2 x 20A switches & neon in top pocket, 10A independent switch below
10	770KT10	3 x 20A switches in top pocket
10	770KT11	3 x 20A switches in top pocket, 10A independent switch below
10	770KT13	3 x 20A switches & neon in base pocket
10	770KT14	4 x 20A switches in base pocket
10	770KT16	4 x 20A switches in top pocket

Shaver supply outlets

XL798/O

Pack	Cat No	**Excel shaver supply outlets** Plate size: 117 x 73mm. Mounting centres: 84mm
10	XL798/O	Excel shaver outlet

XL798/777EL30

Pack	Cat No	**Excel shaver supply outlets with double powerpoint** Plate size: 114 x 177mm. Mounting centres: 84mm Available in white only
1	XL798/777	Excel shaver outlet & double powerpoint
1	XL798/777EL30	Excel shaver outlet & double powerpoint with 30mA safety switch
1	XL798/777X	Excel shaver outlet & double powerpoint and extra switch

798H

Pack	Cat No.	**Standard Range shaver supply outlets** Plate size: 184 x 85mm. mounting centres: 152mm
1	798H	Horizontal shaver outlet & single powerpoint
1	798V	Vertical shaver outlet & single powerpoint

MS798

Pack	Cat No.	**Architectural Metal Range shaver supply outlets with single powerpoint** Plate size: 184 x 85mm. Mounting centres: 84mm.
1	MS798	Metal plate shaver outlet & single powerpoint
1	MS798V	Vertical metal plate shaver outlet & single powerpoint

MS798VEL30

Pack	Cat No	**Shaver supply outlets with single powerpoint and safety switch** Plate size: 270 x 100mm. Mounting centres: 245mm.
1	MS798VEL30	Vertical metal plate shaver outlet & single powerpoint, 30mA Safety Switch

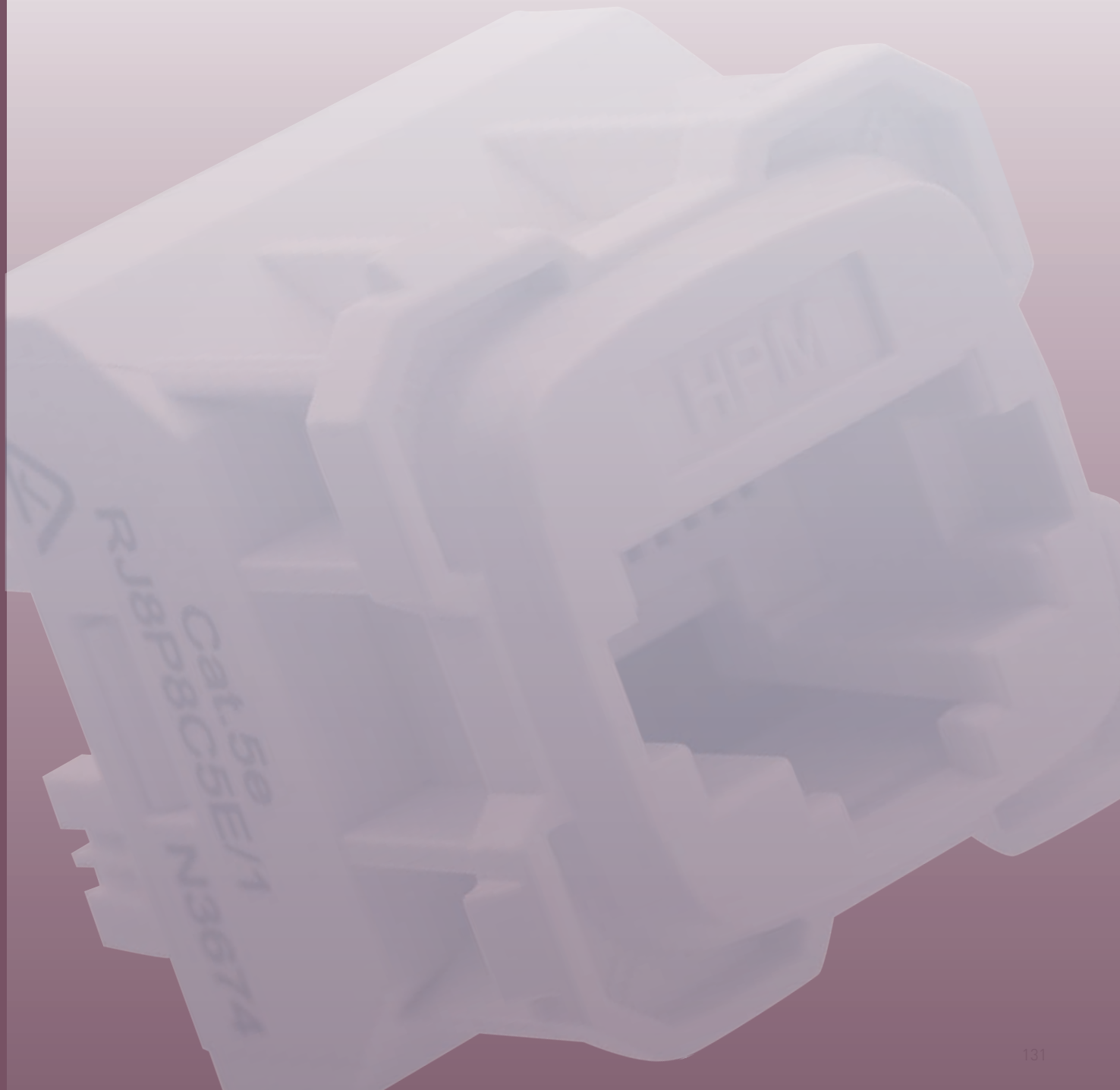
KeyTag mechanisms

770KTM

Pack	Cat No.	**1 and 2 way (SPDT), and 1 way (SPST), 240V ac** Size 21mm dia. x 17mm from back of Standard range plate
10	770KTM	10A KeyTag mechanism, 1-2 way & loop. Black Body
10	770/15KTM	15A KeyTag mechanism, 1-2 way & loop. Brown Body
10	770/202KTM	20A KeyTag mechanism, 1-2 way & loop. Orange Body
10	770/20KTM	20A KeyTag mechanism, 1 way & loop. Grey Body

Section 16

TV, AV, Data & Communication



Excel Range Outlets

XLP900WEWE

Pack	Cat No.	
		VGA Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP900WEWE	HD15 VGA outlet

XLP901WEWE

XLP902WEWE

Pack	Cat No.	
		RCA Outlets Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP901WEWE	1 gang Yellow RCA outlet
5	XLP902WEWE	2 gang White & Red RCA outlet

XLP903WEWE

XLP904WEWE

Pack	Cat No.	
		Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP903WEWE	3 gang Yellow, Red & White RCA outlet
5	XLP904WEWE	Red, Green & Blue RCA outlet

XLP905WEWE

Pack	Cat No.	
		Video Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP905WEWE	Mini Din S Video outlet

XLP906WEWE

Pack	Cat No.	
		HDMI Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP906WEWE	1 gang HDMI (1.3c) outlet

XLP907WEWE

XLP907/2WEWE

Pack	Cat No.	
		Speaker Outlets Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP907WEWE	1 gang loud speaker outlet
5	XLP907/2WEWE	Double loud speaker outlet

XLP908WEWE

Pack	Cat No.	
		XLR Female Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP908WEWE	XLR female outlet

XLP907WEWE

Pack	Cat No.	
		XLR Male Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP909WEWE	XLR male outlet

XLP910WEWE

Pack	Cat No.	
5	XLP910WEWE	Speakon outlet

Speakon Outlet
Horizontal standard size plates
Plate size 117 x 73mm
Mounting centres: 84mm

XLP911WEWE

Pack	Cat No.	
5	XLP911WEWE	3.5mm audio jack, female plug

Audio Jack
Horizontal standard size plates
Plate size 117 x 73mm
Mounting centres: 84mm

XLP943WEWE

XLP943/2WEWE

Pack	Cat No.	
5	XLP943WEWE	1 gang USB (2.0) female outlet
5	XLP943/2WEWE	Double USB (2.0)

USB Outlets
Horizontal standard size plates
Plate size 117 x 73mm
Mounting centres: 84mm

XLP950WEWE

Pack	Cat No.	
5	XLP950WEWE	1 gang DVI outlet

DVI Outlet
Horizontal standard size plates
Plate size 117 x 73mm
Mounting centres: 84mm

XLP900AUDWEWE

Pack	Cat No.	
5	XLP900AUD-WEWE	VGA and 3.5mm audio jack

VGA and Audio Jack Outlet
Horizontal standard size plates
Plate size 117 x 73mm
Mounting centres: 84mm

XLP900USBWEWE

Pack	Cat No.	
5	XLP900US-BWEWE	VGA and USB (2.0) outlet

VGA and USB Outlet
Horizontal standard size plates
Plate size 117 x 73mm
Mounting centres: 84mm

XLP904R2WEWE

XLP904R3WEWE

Pack	Cat No.	
5	XL-P904R2WEWE	RGB and White/Red RCA
5	XL-P904R3WEWE	RGB and Yellow/Red/White RCA

RGB and RCA Outlets
Horizontal standard size plates
Plate size 117 x 73mm.
Mounting centres: 84mm

XLP904USBWEWE

Pack	Cat No.	
5	XLP904US-BWEWE	RGB and USB outlet

RGB and USB Outlet
Horizontal standard size plates
Plate size 117 x 73mm.
Mounting centres: 84mm

TV, AV, Data & Communication

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XLP904/2WEWE

Pack	Cat No.	
		RGB Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP904/2WEWE	Double RGB outlet

XLP904SVWEWE

Pack	Cat No.	
		RGB and S Video Outlet Horizontal standard size plates Plate size 117 x 73mm Mounting centres: 84mm
5	XLP904S-VWEWE	RGB and S video outlet

XLA770/1CX

Pack	Cat No	
		Architrave TV outlet Plate size: 32 x 68mm Mounting centres: 70mm
10	XLA770/1CX	75 ohm coax outlet

XL770F

Pack	Cat No	
		F connector pay-TV outlet Plate size: 73 x 117mm Mounting centres: 84mm
10	XL770F	F connector for cable, microwave & satelite TV. 75 ohm, 1G rated (Foxtel Approval No: G21)

XL770TO

Pack	Cat No.	
		Telephone outlets Plate size: 73 x 117mm Mounting centres: 84mm
10	XL770TO	Excel telephone outlet to suit Telecom 610 socket

XL770/1RJ1

Pack	Cat No.	
		Modular series RJ outlets Plate size: 117 x 73mm Mounting centres: 84mm
10	XL770/1RJ2	Single RJ45 outlet (phone/data, Cat 5E)
10	XL770/2RJ2	Double RJ45 outlet (phone/data, Cat 5E)
10	XL770/1RJ1	Single RJ45 outlet
10	XL770/2RJ1	Double RJ45 outlet
10	XLP770BT	BT 2 wire phone outlet, single

XL222/2T

Pack	Cat No	
		Double size communication outlet combinations Plate size: 117 x 146mm
1	XL222/2T	10A double powerpoint, 2 x F connectors and 2 x RJ45 sockets (8P8C - Cat 5E), 2 horizontal plates tall
1	XL222PA/2T	10A double powerpoint with surge protection, 2 x F connectors and 2 x RJ45 sockets (8P8C - Cat 5E), 2 horizontal plates tall

XL422PA/3T

Pack	Cat No	**Triple size communication outlet combinations** Plate size: 117 x 219mm
1	XLV424/3W	2x 10A double powerpoint, 4 x F connectors and 2 x RJ45 sockets (8P8C - Cat 5E), 3 vertical plates wide
1	XL422PA/3T	1x 10A double powerpoint with surge protection, 1 x 10A double powerpoint, 2 x F connectors and 2 x RJ45 sockets (8P8C - Cat 5E), 3 horizontal plates tall

Standard Range outlets

770/1CX

Pack	Cat No.	**Standard size TV Outlet** Plate size: 70 x 114mm Mounting centres: 84mm
10	770/1CX	75 ohm coax outlet
10	770/1FCX	75 ohm coax to F connector

1A770CX

Pack	Cat No.	**Deep-plate TV Outlet**
10	1A770CX	75 ohm coax outlet, in surface mounting base

770/1RJ12

Pack	Cat No.	**Modular series RJ Outlets** Plate size: 114 x 70mm Mounting centres: 84mm
10	770/1RJ2	Single RJ45 outlet (phone/data, Cat 5E)
10	770/2RJ2	Double RJ45 outlet (phone/data, Cat 5E)

XL770/1CX

Pack	Cat No	**Standard size TV outlets** Standard size: 73 x 117mm. Mounting centres: 84mm
10	XL770/1CX	75 ohm coax outlet
10	XL770/1FCX	75 ohm coax to F connector

Linea Range outlets

LN770/2CX/FCX

Pack	Cat No.	**Linea Range TV Outlets** Plate size: 127 x 82mm. Mounting centres 84mm. Low 4mm profile. Available in high gloss (WE) white, (CR) cream and (BL) black
10	LN770/1CX	TV coax outlet
10	LN770/1FCX	TV outlet PAL socket with F type connection
10	LN770/2CX/FCX	TV coax outlet & TV outlet Pal socket with F type connection

LN770/1RJ1

Pack	Cat No.	**Linea Range Telephone and Data Outlets** Plate size: 127 x 82mm. Mounting centres 84mm. Low 4mm profile. Available in high gloss (WE) white, CR (Cream) and BL (black)
10	LN770/1RJ1	Single RJ12 outlet (phone)
10	LN770/1RJ2E	Single RJ45 outlet (phone/data, Cat 5E)
10	LN770/2RJ1	Double RJ12 outlet (phone)
10	LN770/2RJ2E	Double RJ45 outlet (phone/data, Cat 5E)

RJ8P8C5E/1
RJ8P8C5E/2

Pack	Cat No.	**Modular HPM RJ Sockets** An economical range of 8P8C category 6, 8P8C category 5E and 6P4C & 8P4C category 3. Suit Standard, Excel & Linea Range plates.
20	RJ8P8C6/1	RJ45 socket, 8P8C, category 6. White. Also available in black (BL), blue (BU), red (RED), yellow (YE) and green (GR).
20	RJ8P8C5E/1	RJ45 socket, 8P8C, category 5E. White. Also available in BL, BU, RED, YE and GR.
20	RJ6P4C3/1	RJ11 socket, 6P4C, category 3. White. Also available in BL, BU, RED, YE and GR.
20	RJ8P4C3/1	RJ45 socket, 8P4C, category 3. White.
		Modular CLQ Universal RJ Sockets An economical range of 8P8C Category 6, 8P8C category 5E and 6P4C & 8P4C Category 3. Suit Clipsal, Cabac, Datacomm, Amdex and other wall plates.
20	RJ8P8C6/2	RJ45 socket, 8P8C, Category 6. White.
20	RJ8P8C5E/2	RJ45 socket, 8P8C, Category 5E. White.
20	RJ6P4C3/2	RJ11 socket, 6P4C, Category 3. White.
20	RJ8P4C3/2	RJ45 socket, 8P4C, Category 3. White.

Inserts and adaptors

800RJT

Pack	Cat No.	**Adaptors and Inserts for Telephone and Data** Consult technical service for the product compatibility matrix
10	800RJT	Insert for AT&T socket. Keystone style 'A'
10	800RJ	Adaptor to fit RJ6A, RJ8A5, RJ8L5, Amp (8P) sockets. Not suitable DEC, AT&T. Ref 7542. Keystone style 'B'
10	800RJU/H	Keystone style 'C'

Patch Leads

HNPL5E300

Pack	Cat No.	**Patch Leads**
1	HNPL5E200	200mm long CAT5e
1	HNPL5E300	300mm long CAT5e
1	HNPL6300	300mm long CAT6

Termination tool

RJT2

Pack	Cat No.	**Termination Tool** Punchdown/termination tool for HPM RJ sockets. Also available for Krone style IDC.
1	RJT2	Termination tool for punchdown

Telephone leads and adaptors

D420/1

Pack	Cat No.	**Telephone Leads and Adaptors**
10	D420/1	Standard to standard double adaptor
10	D420/2	Standard to Modular double adaptor
10	D420/3	Standard to Modular adaptor
10	D420/4	Standard telephone plug
10	D420/5	Standard socket, surface mount
10	D420/6	5 metre extension lead with standard plug & socket
5	D420/7	10 metre extension lead with standard plug & socket
5	D420/8	15 metre extension lead with standard plug & socket
5	D420/9	Extension bell. 10 metre lead with standard plug
10	D420/10	5 metre handset extension lead curly cord with 2 Modular plugs

Pack	Cat No.	
10	D420/11	4 metre extension lead with 2 modular plugs
10	D420/12	8 metre extension lead with 2 modular plugs
10	D420/14	Single 'Aussie' to standard and modular double adaptor
10	D420/15	Skirting mount modular to standard adaptor
10	D420/16	Double extension lead - single modular plug to double modular socket with 5-metre lead
10	D420/18	1 metre modular fly lead
10	D420/19	In-line modular adaptor / cable joiner

Splitters

1311S2

Pack	Cat No.	**Economy Passive Splitters** For VHF, UHF & CATV signals. Frequency range: 5 - 1000 MHz
10	1311S2	2 way passive splitter
10	1311S3	3 way passive splitter
10	1311S4	4 way passive splitter

1312S2

Pack	Cat No.	**Professional Passive Splitters** For VHF, UHF, CATV and satellite signals. Frequency range: 5 -2050 MHz
10	1312S2	2 way passive splitter
10	1312S3	3 way passive splitter
10	1312S4	4 way passive splitter

Connectors, plugs and sockets

1310FS

Pack	Cat No.	**'F' Connectors, Plugs and Sockets**
10	1310FS	'F' connector, female to PAL socket in Cat. No. 800 insert Suits 770 & XL770 style switch plates.
10	1310F6	'F' connector, male fitting, crimp type, for connection RG-6 cable (Pack 10.)
10	1310F59	'F' connector, male fitting, crimp type, for connection RG-59 cable (Pack 10.)
10	1310FL	'F' connector, right angled bracket with male fitting on one end & female on other. (Pack 10.)
10	800F	75 ohm 'F' connector insert for cable & Pay-TV. Suits Excel, Standard & Linea plates.
10	SWFFC02	75 ohm 'F' connector insert for cable & Pay-TV. 2.4 GHz. White insert. (Foxtel Approval No: F10159)

TV mechanisms

770CXM

Pack	Cat No.	**TV Mechanisms**
10	770CXM	75 ohm coax socket mechanism
10	770L12CX	Loop circuit mechanism, tap loss 12dB, insertion loss 1.6dB
10	770L16CX	Loop circuit mechanism, tap loss 16dB, insertion loss 1.3dB

TV, AV, Data & Communication

Standard Range plate only

770/1D1PL

Pack	Cat No.	**Computer Data & Communication plate only** Plate size: 114 x 70mm Mounting centres: 84mm
20	770/1D1PL	Computer outlet plate for 1 x 9 pin (CP9) D connector socket
20	770/1D3PL	Computer outlet plate for 1 x 25 pin (CP25) D connector socket
20	770/2D3PL	Computer outlet plate for 2 x 25 pin (CP25) D connector socket
10	770/1CXPL	Computer outlet plate for 1 x bayonet cap TCN or BNC connector socket
10	770/2CXPL	Computer outlet plate for 2 x bayonet cap TCN or BNC connector sockets

Excel Range grids and cover plates

XL770/1D2

Pack	Cat No	**Computer Grids and Plates Only** Plate size: 117 x 73mm Mounting centres: 84mm.
10	XL770/1D1	Computer outlet plate for 1 x 9 pin (CP9) D connector socket
10	XL770/2D1	Computer outlet plate for 2 x 9 pin (CP9) D connector sockets
10	XL770/1D2	Computer outlet plate for 1 x 15 pin (CP9) D connector socket

Antenna accessories

D1214/1

Pack	Cat No	**Antenna Accessories**
10	D1214/1	1m TV/video fly lead
10	D1209/1.5	1.5m antenna lead, 75 ohm
10	D1209/2.5	2.5m antenna lead, 75 ohm
10	R1209/5	5m antenna lead, 75 ohm
5	R1209/10	10m antenna lead, 75 ohm
10	D1211	Coax plug joiner or extension socket, 75 ohm
10	D1210/75	Adaptor balun (coax to ribbon connection), 75 ohm coax to 300 ohm ribbon.
10	D1210/300	Adaptor balun (coax to ribbon connection), 300 ohm coax to 75 ohm ribbon.
10	D770CXP	Coax TV plug top, 75 ohm
10	D770CXFP	Coax female plug top, 75 ohm

Notes

Industrial Index

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Chemically resistant and rated up to IP66, HPM's Quantum Industrial range, specifically designed for high impact zones, is ideal for factory and warehouse fit-outs.

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See Legrand® section for

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- Cable Management
- Warning Devices
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- Cable Marking Systems
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Section 17

Quantum Industrial Switchgear

Quantum Industrial Switchgear

Information

Quantum INDUSTRIAL SWITCHGEAR

- Quantum switch and socket combinations feature one-piece construction for fast installation.
- The switch and socket is pre-wired and the unit requires no silicone or bridges to install.
- Modular sizes are based on a size of 90 x 90mm modules.
- Standard size is 2 modules: 180 x 90mm which can be joined to create multiples to any arrangement and retain the IP66 rating.
- Material used is an engineering polymer which produces outstanding chemical resistance and strength.
- AS/NZS 3112 types accept normal 3 pin plugs.
- AS/NZS 3123 types accept round pin plugs.
- Entry is slightly angled eliminating the need for angled plugs.
- The plug has a safety stop which catches under the socket flap, preventing accidental removal and to ensure that plug is fully inserted.

Switch & Socket Combinations IP66 AS/NZS 3112

HB66C315

Pack	Cat No.	Available standard for surface mounting. Combination socket outlet and switch. **240V a.c. IP66 AS/NZS 3112** 2 module size. Blue.
1	HB66C310	10A, 3 flat pin, 1 pole switch, 1.1kW. Matching plug is HB66P310C
1	HB66C310F	10A, flush mounted, 3 flat pin, 1 pole switch, 1.1kW. Matching plug is HB66P310C
1	HB66C310A	10A, 3 flat pin, 2 pole heavy duty switch, 1.1kW. Matching plug is HB66P310C
1	HB66C310L	10A, 3 flat pin with round earth, 1 pole switch, 1.1kW. Matching plug is HB66P310LC
1	HB66C315	15A, 3 flat pin, 1 pole switch, 1.8kW. Matching plug is HB66P315C
1	HB66C315A	15A, 3 flat pin, 2 pole heavy duty switch, 1.8kW. Matching plug is HB66P315C
1	HB66C320A	20A, 3 flat pin, 2 pole heavy duty switch, 2.2kW. Matching plug is HB66P320C

Socket outlets IP66 AS/NZS 3112

HB66SO310

Pack	Cat No.	**Surface mounting, 240V a.c. IP66 AS/NZS 3112** 1 module socket only. Blue. For flush units (less base) add suffix F to Cat. No. (Indent)
1	HB66SO310	10A, 3 flat pin. Matching plug is HB66P310C
1	HB66SO310L	10A, 2 flat pin with round earth pin. Matching plug is HB66P310LC
1	HB66SO315	15A, 3 flat pin. Matching plug is HB66P315C
1	HB66SO320	20A, 3 flat pin. Matching plug is HB66P320C

RCD-protected combinations IP55 AS/NZS 3112

HB55SC310RC

Pack	Cat No.	Surface mounting, complete with 30mA RCD with easy access through the hinged clear cover. Supplied, assembled and prewired for fast installation. **Type AC, 240V a.c. AS/NZS 3112 (for Australian use)** 4 module size. Blue.
1	HB55SC310RC	10A, 3 flat pin, 30mA RCD with 2 pole heavy duty switch, 1.1kW. Matching plug is HB66P310C
1	HB55SC315RC	15A, 3 flat pin, 30mA RCD with 2 pole heavy duty switch, 1.8kW. Matching plug is HB66P315C

For IEC PiN configuration refer to the Hypra range in Legrand catalogue

HB55C310RC

Pack	Cat No.	
		Surface mounting, complete with 30mA RCD with easy access through the hinged clear cover. Supplied, assembled and prewired for fast installation. **Type AC, 240V ac (for Australian use) AS/NZS 3112** 3 module size. Blue.
1	HB55C310RC	10A, 3 flat pin, 30mA, RCD, 1.1kW. Matching plug is HB66P310C
1	HB55C315RC	15A, 3 flat pin, 30mA, RCD, 1.8kW. Matching plug is HB66P315C

Round pin switch & socket combinations IP66 AS/NZS 3123

HA66C310

Pack	Cat No.	
		Available standard for surface mounting. 25mm conduit entries. For flush units (less base) add suffix F to Cat. No. (Indent). Socket outlet & switch combination. **240V a.c., 3 pin (2P+E) AS/NZS 3123** 2 module size. Blue/Clear.
1	HA66C310	10A, 3 round pin, 2 pole switch (2P+E), 1.1kW. Matching plug is HA66P310C
1	HA66C320	20A, 3 round pin, 2 pole switch (2P+E), 2.2kW. Matching plug is HA66P320C
1	HA66C332	32A, 3 round pin, 2 pole switch (2P+E), 4.0kW. Matching plug is HA66P332C

HA66C432

Pack	Cat No.	
		Socket outlet & switch combination. 415V a.c., 4 pin (3P+E) AS/NZS 3123 2 module size. Red/Clear.
1	HA66C410	10A, 4 round pin, 3 pole switch (3P+E), 4.5kW. Matching plug is HA66P410C
1	HA66C420	20A, 4 round pin, 3 pole switch (3P+E), 9.0kW. Matching plug is HA66P420C
1	HA66C432	32A, 4 round pin, 3 pole switch (3P+E), 15.0kW. Matching plug is HA66P432C

HA66C520

Pack	Cat No.	
		Socket outlet & switch combination. 415V a.c., 5 pin (3P+N+E) AS/NZS 3123 2 module size. Red/Clear.
1	HA66C510	10A, 5 round pin, 4 pole switch (3P+N+E), 4.5kW. Matching plug is HA66P510C
1	HA66C520	20A, 5 round pin, 4 pole switch (3P+N+E), 9.0kW. Matching plug is HA66P520C
1	HA66C532	32A, 5 round pin, 4 pole switch (3P+N+E), 15.0kW. Matching plug is HA66P532C

RCD-protected round pin switch & socket combinations IP55 AS/NZS 3123

Pack	Cat No.	
		Supplied complete with a 30mA RCD with easy access through the hinged clear cover. Supplied assembled and prewired for fast installation. **Type AC, 240V a.c., 3 pin (2P+E) (for Australian use) AS/NZS 3123** 4 module size. Blue/Clear.
1	HA55SC320RC	20A, 2.2kW, 3 round pin, 30mA RCD with 2 pole heavy duty switch / 2 pole RCD (2P+E). Matching plug is HA66P320C

HA55SC420RC

Pack	Cat No.	**Type AC, 415V a.c., 4 pin (3P+E) (for Australian use)** 4 module size. Red/Clear
1	HA55SC420RC	20A AS/NZS 3123 RCD-protected combination, 9.0kW, 4 round pin, 30mA, 3 pole heavy duty switch / 4 pole RCD. Matching plug is HA66P420C
1	HA55SC432RC	32A AS/NZS 3123 RCD-protected combination, 15.0kW, 4 round pins, 30mA, 3 pole heavy duty switch / 4 pole RCD. Matching plug is HA66P432C

HA55SC520RC

Pack	Cat No.	**Type AC, 415V a.c., 5 pin (3P+N+E) (for Australian use)** 4 module size. Red/Clear
1	HA55SC520RC	20A AS/NZS 3123 RCD-protected combination, 9.0kW, 5 round pin, 30mA, 4 pole heavy duty switch / 4 pole RCD. Matching plug is HA66P520C
1	HA55SC532RC	32A AS/NZS 3123 RCD-protected combination, 15.0kW, 5 round pin, 30mA, 4 pole heavy duty switch / 4 pole RCD. Matching plug is HA66P532C

AS/NZS 3112 flat pin captive plugs 240V a.c.

HPR15CL

Pack	Cat No.	Superior economy where IP protection is not required. Blue threaded retaining ring allows standard plug tops to be held captive in industrial socket oulets. **240V a.c., 3 pin**
10	HPR10CL	10A AS/NZS 3112 captive plug, 3 flat pin
10	HPR15CL	15A AS/NZS 3112 captive plug, 3 flat pin

AS/NZS 3112 flat pin clear plugs, IP66, 240V a.c.

HB66P310C

Pack	Cat No.	Clear plug body facilitates visual safety inspection of wiring. Specially designed terminal housing enhances speed and ease of wiring up. A clamp securely holds the cable preventing it twisting or damaging connections. Interchangeable with other manufacturer's plugs to AS/NZS 3112. **240V a.c., 3 pin** Clear body with blue ends.
1	HB66P310C	10A AS/NZS 3112 plug, 3 flat pin
1	HB66P310LC	10A AS/NZS 3112 plug, 2 flat pin with round earth
1	HB66P315C	15A AS/NZS 3112 plug, 3 flat pin
1	HB66P320C	20A AS/NZS 3112 plug, 3 flat pin

AS/NZS 3123 round pin clear plugs, IP66, 240V a.c. and 415V a.c.

HA66P310C

Pack	Cat No.	Clear plug body facilitates visual safety inspection of wiring. Specially designed terminal housing enhances speed and ease of wiring up. A clamp securely holds the cable preventing it twisting or damaging connections. Interchangeable with other manufacturer's plugs to AS/NZS 3123. **240V a.c., 3 pin (2P+E)** Clear body with blue ends
10	HA66P310C	10A AS/NZS 3123 plug, 3 round pin
10	HA66P320C	20A AS/NZS 3123 plug, 3 round pin
10	HA66P332C	32A AS/NZS 3123 plug, 3 round pin

HA66P420C

Pack	Cat No.	**415V ac, 4 pin (3P+E)** Clear body with red ends.
10	HA66P410C	10A AS/NZS 3123 plug, 4 round pin
10	HA66P420C	20A AS/NZS 3123 plug, 4 round pin
10	HA66P432C	32A AS/NZS 3123 plug, 4 round pin

HA66P532C

Pack	Cat No.	**415V ac, Spin (3P+N+E)** Clear body with red ends.
10	HA66P510C	10A AS/NZS 3123 plug, 5 round pin
10	HA66P520C	20A AS/NZS 3123 plug, 5 round pin
10	HA66P532C	32A AS/NZS 3123 plug, 5 round pin

Accessories

H66BA

Pack	Cat No.	**Base adaptor Transition piece**
1	H66BA	Base adaptor Transition piece for retrofitting Quantum 2-module flush unit to 56 series base in existing installations. Allows installation of Quantum flush combinations where 200 x 100mm bases are fitted. Maintains IP66 rating.
1	H66H3	Hanger/pendant bracket suits all Quantum switch and socket combinations

For IEC PiN configuration refer to the Legrand catalogue

Quantum range wallboxes and enclosures

H65MC2/12

Pack	Cat No.	Surface mounting & semi-flush mount. **Multi-combination enclosures**
1	H65MC2/12	2 gang combination and 12 DIN, IP65
1	H65L1	Blank lid and gasket

H55D4

Pack	Cat No.	**Wallboxes and enclosures** M25 plain conduit entry standard.
1	H55D4	Enclosure for surface mounting, IP55, 4 x DIN, 180 x 90mm, 2 module size

Suspended socket

HSS10

Pack	Cat No.	**Suspended switched socket, 240V a.c.**
1	HSS10	Simple wire up, double pole, accepts industrial plugs HPR10CL or HB66P310C as well as standard 3 pin plugs

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HPM Legrand Terms and Conditions of Sale

1 Definitions and interpretation

1.1 In these terms and conditions:
Agreement means the agreement between HPM Legrand and the Purchaser comprising these terms and conditions and any other document which HPM Legrand provides to the Purchaser and which is expressed to include or be subject to these terms and conditions.
Australian Consumer Law means Schedule 2 to the Competition and Consumer Act 2010 (Cth).
Consumer means a "consumer" as that term is defined in section 3 of the Australian Consumer Law.
Consumer Contract means a contract for the supply of goods or services to a Consumer.
HPM Legrand means Legrand Australia Pty Limited (ABN 31 000 102 661) and, unless otherwise stated or the context otherwise makes clear, includes its Related Bodies Corporate.
Order has the meaning given in clause 3.1.
Order Confirmation has the meaning given in clause 3.1.
Products means all goods offered to or supplied to the Purchaser by HPM Legrand (including all products sold under the HPM, Legrand, Bticino, Cablofil and Nelson brands and trade marks).
Purchaser means any person or entity to whom HPM Legrand supplies or offers to supply Products.
Related Bodies Corporate has the same meaning as in section 50 of the Corporations Act 2001 (Cth).
Standard means an applicable standard or specification for a particular Product which is published by HPM Legrand or mandatory under applicable laws or both.
Taxes has the meaning given in clause 4.2(b).
Warranty Information Sheet means the document which forms part of these terms and conditions and which contains information HPM Legrand provides to Purchasers who are also Consumers under applicable provisions of the Australian Consumer Law.

2 Application of terms and conditions

2.1 These terms and conditions apply to all quotations, offers and purchase orders made or accepted by HPM Legrand and to all Products sold or otherwise supplied by HPM Legrand to a Purchaser.
2.2 So far as applicable, these terms and conditions also apply to the provision of any services accompanying the supply of, or provided in relation to, Products and, where the context allows, any reference to the sale or supply of Products includes the provision of such services.
2.3 These terms and conditions may not be varied or cancelled unless agreed in writing by HPM Legrand.
2.4 Other than these terms and conditions, any conditions or other terms which are set out in any offer, purchase order or other document submitted by or on behalf of the Purchaser are expressly excluded.

3 Orders

3.1 Each Purchaser's order must be in writing (Order) and will be binding on HPM Legrand only if HPM Legrand gives written acknowledgement of its acceptance on these terms and conditions (Order Confirmation).
3.2 Despite clause 3.1, if Products are supplied by HPM Legrand without an Order Confirmation, HPM Legrand's conduct in accepting and fulfilling an Order will be deemed to constitute the Order Confirmation and HPM Legrand's invoice will constitute evidence of the Order Confirmation.

4 Prices and payment

4.1 The prices of the Products are those set out in HPM Legrand's then-current applicable price list at the date of their dispatch, unless otherwise specified in the Order Confirmation. HPM Legrand also reserves the right to change prices for its Products and any applicable price list without notice to the Purchaser.
4.2 Unless otherwise specified, all prices are:
(a) inclusive of delivery costs to the Purchaser's nominated store or other delivery point in Australia; and
(b) exclusive of all taxes, including goods and services tax (GST), sales, consumption and value added taxes, duties, excises, imposts and levies relating to the supply or use of the Products (Taxes).
4.3 Unless otherwise agreed or specified by HPM Legrand, payment is due in full within 30 days of the end of the month of the date of the invoice.
4.4 HPM Legrand may at its discretion charge a minimum order fee of $[20.00 or 10% of the value of any Order less than $400.00], whichever is the greater.
4.5 HPM Legrand may refuse, extend or withdraw credit to the Purchaser at any time and on such terms as it considers appropriate, in each case at its absolute discretion.
4.6 The Purchaser will pay all amounts due under these terms and conditions to HPM Legrand by direct transfer to HPM Legrand's nominated bank account or in any other manner specified by HPM Legrand from time to time.
4.7 HPM Legrand may charge interest up to a rate which is 2% higher than that applied to commercial overdraft balances of over $100,000 by HPM Legrand's principal bank, such rate to be compounded and calculated daily on the amount outstanding (including Taxes) after expiry of the due date for payment until it has been paid in full.
4.8 If payment is not made in accordance with clause 4.3, 4.4 or 4.6, or if at any time the credit standing of the Purchaser, in the opinion of HPM Legrand, is at risk or has been impaired HPM Legrand may suspend or cancel an Order or delivery of any Products until alternative arrangements as to payment or credit in terms satisfactory to HPM Legrand have been agreed.
4.9 Despite any other provision of this clause 4, the Purchaser must pay or reimburse HPM Legrand all Taxes. Without limiting that obligation, if GST is payable on any supply made by HPM Legrand under these terms and conditions, the Purchaser must pay HPM Legrand an additional amount equivalent to the GST at the time the relevant payment to HPM Legrand is due. HPM Legrand will provide the Purchaser with a tax invoice.
4.10 The Purchaser may not withhold or set off any payment or make deductions from any amount owing to HPM Legrand without HPM Legrand's prior written consent.

5 Cancellation and variation of Orders

5.1 Notices of cancellation or variation of Orders submitted by the Purchaser must be in writing and may be accepted or rejected by HPM Legrand at its discretion.
5.2 If a Purchaser gives a notice under clause 5.1, without prejudice to its other rights, HPM Legrand reserves the right to charge for all work it has performed and will need to perform in fulfilling an Order or, if the work is substantially complete or the Products were made to order or are otherwise not immediately available for sale to another customer at an equivalent price, to charge for the full amount set out in the applicable Order Confirmation in addition to any other costs it incurs on the Purchaser's behalf.

6 Delivery and return

6.1 HPM Legrand will deliver the Products to the Purchaser by means of HPM Legrand's preferred carriers. If the Purchaser wishes the Products to be delivered by another carrier, that delivery will be at the Purchaser's cost and risk.
6.2 Unless HPM Legrand otherwise agrees, and subject to any additional charges incurred in delivery and transport, delivery of Products will be made to the delivery point in Australia specified in the applicable Order.
6.3 Stated delivery times are no more than an estimate by HPM Legrand and will not be binding upon HPM Legrand. HPM Legrand is not liable for any costs or other loss caused by reason of any delay in delivery.
6.4 If the quantity of Products delivered does not correspond with the quantity stated in an Order the Purchaser will only be liable to pay for the quantity delivered in the case of short-delivery and for the contract price in the case of over-delivery (subject in the latter case to permitting HPM Legrand to collect the surplus Products) provided that in no event will such short or over-delivery entitle the Purchaser to damages or give the Purchaser a right to rescind the Agreement.
6.5 Any surplus Products delivered to the Purchaser will remain the property of HPM Legrand and the Purchaser will take all necessary precautions for the safe custody and protection of such surplus Products until the time of their collection by HPM Legrand.
6.6 If the Purchaser refuses or fails to take delivery of Products HPM Legrand may, at its discretion and without prejudice to any of its other rights, store those Products at the Purchaser's risk and expense.
6.7 Except as specified in clause 6.5 Products may only be returned to HPM Legrand with its prior written consent and subject to the following:
(a) all returned Products must be delivered to HPM Legrand at the Purchaser's cost within 21 days of their receipt by the Purchaser in good order and condition, unused and in their original packaging together with a despatch note stating the original Order and invoice numbers and the date of purchase;
(b) HPM Legrand may at its discretion charge the Purchaser a restocking fee of up to 20% of the original net invoice price of any Products returned to it pursuant to this clause 6.7; and
(c) HPM Legrand will generally not accept for return Products which have been manufactured to order unless those Products do not conform to an applicable Standard, are otherwise proven to HPM Legrand's satisfaction to be defective or are supplied under a Consumer Contract and the provisions of clause 10 apply.

7 Passing of risk and title

7.1 Risk in the Products will pass to the Purchaser when the Products are tendered for delivery at the delivery point specified in an Order or when the Products are collected by the Purchaser for loading into the vehicle of the Purchaser, its carrier or other agent.
7.2 Legal and beneficial title (ownership) in the Products will remain with HPM Legrand until:
(a) all amounts in respect of the Products under an applicable Order; and
(b) any other amounts the Purchaser may owe HPM Legrand, whether under these terms and conditions, under any other agreement or pursuant to any other Order,
have been paid in full.
7.3 Until such time as ownership in the Products passes to the Purchaser, the Purchaser will:
(a) store the Products in a manner which makes them readily identifiable as the property of HPM Legrand;
(b) hold the Products as bailee of HPM Legrand;
(c) keep, and provide HPM Legrand at any time on reasonable request, proper and complete stock records covering the receipt, identification, storage, location, sale and movement of the Products; and
(d) keep the Products insured against theft, damage and destruction.
7.4 Despite clauses 7.2 and 7.3 the Purchaser is entitled, until notified by HPM Legrand or until the happening of any of the events set out in clause 7.7, to sell the Products in the normal course of its business, in which case the proceeds of resale must be held in trust for HPM Legrand in a separate account.
7.5 HPM Legrand is entitled, at any time while any debt remains outstanding by the Purchaser beyond its due date of payment in respect of the amounts referred to in clause 7.2(a) and clause 7.2(b), to notify the Purchaser of its intention to take possession of the Products and for this purpose to enter upon the land and buildings of the Purchaser with all necessary equipment to take possession of the Products.
7.6 On receipt of notice from HPM Legrand or on the happening of any of the events set out in clause 7.7, the Purchaser's authority to sell or otherwise deal with the Products as set out in clause 7.4 is withdrawn.
7.7 The Purchaser will give immediate notice to HPM Legrand of:
(a) any notice to the Purchaser that a receiver or manager is to be or has been appointed over its assets or any part of its business or undertakings;
(b) any notice to the Purchaser that a petition to wind up the Purchaser is to be or has been presented or any notice of a resolution to wind up the Purchaser;
(c) a decision by the Purchaser that it intends to make any arrangements with its creditors; or
(d) any act of bankruptcy by the Purchaser as defined in section 40 of the Bankruptcy Act 1966 (Cth).

8 Personal Property Securities Act 2009 (Cth) (PPSA)

8.1 The Purchaser acknowledges and agrees that:
(a) by agreeing to these terms and conditions (in particular, by virtue of clause 7) the Purchaser grants a security interest pursuant to the PPSA to HPM Legrand in any Products supplied by HPM Legrand to the Purchaser and any proceeds of the sale of such Products;
(b) HPM Legrand may register on the Personal Property Securities Register ("PPS Register") a security interest or purchase money security interest ("PMSI") in the Products; and
(c) HPM Legrand may, on demand, obtain reimbursement from the Purchaser for all costs and expenses incurred by HPM Legrand in relation to registering, maintaining or releasing any financing statement or financing change statement (each as defined in the PPSA) in respect of any security interest or PMSI under these terms and conditions.
8.2 The Purchaser undertakes:
(a) promptly to do all things, sign any further documents and provide any further information (which information the Purchaser warrants to be complete, accurate and up-to-date in all respects) which HPM Legrand may reasonably require to enable it to perfect, and maintain the perfection of, its security interest or PMSI (including by registration of a financing statement or financing change statement on the PPS Register);
(b) not to register a financing statement or financing change statement in respect of the Products without HPM Legrand's prior written consent; and
(c) to give HPM Legrand no less than 14 days' prior written notice of any proposed change in the Purchaser's name or any other change in the Purchaser's details (including, but not limited to, changes in its address, facsimile number or trading name).
8.3 The Purchaser waives its right under section 157 of the PPSA to receive notice of any verification of any registration pursuant to the PPSA.
8.4 The Purchaser agrees that pursuant to section 115(1) of the PPSA and to the maximum extent permitted by law the Purchaser waives its rights under, and with HPM Legrand's agreement contracts out of, sections 95,118,121(4),125,129(2) and (3),130,132(3)(d),132(4), 135,142 and 143 of the PPSA.

HPM Legrand Terms and Conditions of Sale

9 Warranty for defective Products

9.1 HPM Legrand undertakes that if Products are found upon inspection by or on behalf of HPM Legrand not to conform to a Standard or are otherwise defective in materials or workmanship, HPM Legrand will, at its option:
(a) replace or repair the Products;
(b) bring the Products into conformity with the Standard;
(c) take back the Products found not to conform to the Standard or which are otherwise defective and refund the appropriate part of the purchase price; or
(d) pay for the cost of replacement or repair of the Products.
provided that:
(e) the liability of HPM Legrand will never exceed the purchase price of the Products; and
(f) the Purchaser has performed all its contractual obligations.

9.2 If any Products are damaged during transportation or delivery by HPM Legrand's carrier or do not comply with the description on the relevant Order, HPM Legrand will accept return of those Products and will credit the Purchaser with any amount which it has paid for them.

9.3 Clauses 9.1 and 9.2 apply only if:
(a) any alleged defect or damage to the Products occurred within 12 months of the date of their installation or 18 months from the date of their purchase from HPM Legrand, whichever is the earlier;
(b) the Products have been properly handled, stored and maintained and any instructions by HPM Legrand in relation to the Products and their installation and use (including operating instructions which specify applicable operating and environmental conditions for particular Products) have been fully observed;
(c) the Purchaser gives written notice to HPM Legrand of the alleged defect in respect of the Products, such notice to be received by HPM Legrand within 14 days of the date when such defect appeared or ought to have been discovered;
(d) the Products, being Products of the kind referred to in clause 9.2, are unsoiled and returned unopened to HPM Legrand accompanied by an itemised list including the batch number and the relevant statement date and number;
(e) the Purchaser gives HPM Legrand a reasonable opportunity to inspect the Products; and
(f) the Purchaser makes no further use of the Products after the Purchaser discovers or ought to have discovered that they were defective.

9.4 Clause 9.1 does not apply:
(a) to the extent the Products are damaged after risk passes to the Purchaser in accordance with clause 7.1;
(b) to the extent the Products have been subjected to abnormal use (including excessive vibration, short circuiting, excessive voltage, interrupted or uneven power supply and negligent operation);
(c) to the extent any Products have been repaired, altered or replaced by anyone other than HPM Legrand or its authorised representatives;
(d) to the extent defects or damage to any Products are attributable to their installation or assembly by any third party;
(e) to defects or damage arising from normal wear and tear; and
(f) to any components of the Products which are not manufactured or supplied by HPM Legrand or any one of its Related Bodies Corporate.

9.5 Certain Products manufactured and supplied by HPM Legrand (including lamps) are specified to have a nominal life or rating. HPM Legrand does not warrant and will not in any circumstance be liable for defects or failures in any such Products or for any reduction in any such Products' nominal life or rating attributable to external factors such as vibration, interrupted or uneven power supply or excessive voltage.

9.6 The warranty contained in this clause 9 is personal to the Purchaser and may not be assigned except with the prior written consent of HPM Legrand. In particular, it is hereby stated and acknowledged by the Purchaser that the warranty contained in this clause 9 confers no rights and is not intended to benefit end-users of Products who are Consumers.

9.7 HPM Legrand reserves the right to provide express warranties direct to end-users of Products. Such warranties may vary or extend the term of available warranty protection and may also be subject to different conditions than are set out in this clause 9.

10 Exclusion of liability

10.1 HPM Legrand acknowledges that certain legislation in Australia, including the Australian Consumer Law, provides Consumers with guarantees and rights which cannot be excluded, restricted or modified or which may in certain cases only be modified or restricted to a limited extent. Nothing in these terms and conditions excludes, restricts or modifies, or is intended to exclude, restrict or modify, any guarantee, condition, warranty, right or liability implied by law (including any guarantee, condition, right or liability imposed under the Australian Consumer Law) which cannot lawfully be excluded, restricted or modified.

10.2 To the extent permitted by the Australian Consumer Law, HPM Legrand's liability for goods or services supplied under a Consumer Contract that are not of a kind ordinarily acquired for personal, domestic or household use or consumption is limited, at HPM Legrand's option, to any one or more of the following:
(a) in the case of goods, the replacement, repair or payment of the cost of replacement or repair of the goods; and
(b) in the case of services, supplying the services again or payment of the cost of having the services supplied again.

10.3 In the case of goods or services which are not supplied by HPM Legrand under a Consumer Contract:
(a) HPM Legrand accepts no liability for any economic, indirect or consequential loss, including loss of profit, loss of income, loss of contracts or business and loss of data; and
(b) HPM Legrand's maximum aggregate liability for any cause and under any head of liability will not in any circumstances exceed the total price paid by the Purchaser for those goods and services.

10.4 These terms and conditions describe the full extent of HPM Legrand's obligations and liabilities in respect of the supply of the Products and, except as expressly stated or referred to in this Agreement or as otherwise specifically provided in writing by HPM Legrand, there are no guarantees, conditions, warranties or other terms that bind HPM Legrand nor will HPM Legrand otherwise be liable in contract, tort (including negligence) or for breach of statutory duty for any loss, damage, cost or expense of any kind.

11 Product specification and discontinuance

HPM Legrand reserves the right to:
(a) discontinue Products;
(b) substitute comparable products; and
(c) modify the design, specifications and Standards (other than mandatory Standards) applicable to any of its Products,
at any time including during the currency of these terms and conditions and any current Order and, in each case, without incurring any liability or other obligation to the Purchaser.

12 Termination

12.1 HPM Legrand may terminate the Agreement, or suspend or cancel any current Order, by written notice to the Purchaser if the Purchaser does not pay any amount in accordance with these terms and conditions.

12.2 Either party may terminate this Agreement, or suspend or cancel any current Order, by written notice to the other if:
(a) the other party commits or allows to be committed a material breach of these terms and conditions and does not within 21 days of receiving a written notice from the first mentioned party rectify that breach;
(b) the other party commits a material breach of these terms and conditions which cannot be remedied;
(c) the other party becomes, or resolves to become, subject to external administration or proceedings under Chapter 5 of the Corporations Act 2001 (Cth); or
(d) an event of the kind described in clause 7.7 occurs in respect of the other party.

12.3 Upon the expiration or termination of this Agreement or the suspension or cancellation of any Order for any reason, the Purchaser must promptly pay all amounts owing to HPM Legrand under this Agreement.

13 Force majeure

Neither party will be liable for any loss or damage caused by delay in the performance or non-performance of any of its obligations occasioned by any cause whatsoever that is beyond its reasonable control including: Act of God; war; civil disturbance; requisitioning by governments or public authorities; governmental restrictions; prohibitions or enactments of any kind; import or export regulations; strikes; shipping and transport delays; lock-outs or other industrial disputes (whether involving its own employees or those of any other person); difficulties in obtaining materials; breakdown of machinery; fires; or accidents. If any such event occurs the affected party may to the extent necessary vary or suspend any Order, these terms and conditions or the Agreement, in each case at its discretion and without incurring any liability to the other party for any such loss or damage.

14 Intellectual property

14.1 HPM Legrand for and on behalf of itself, its Related Bodies Corporate and its licensees (if any) reserves ownership and intellectual property rights in all inventions, names, illustrations, drawings, plans, specifications, formulas and documents relating to the Products. Nothing in these terms and conditions operates or is intended to deny HPM Legrand, its Related Bodies Corporate or its licensees, or confer on the Purchaser, such rights or any other intellectual property rights in the Products.

14.2 If a third party asserts a claim for breach of its intellectual property rights arising from the supply or use of the Products the Purchaser will immediately inform HPM Legrand and HPM Legrand will be solely responsible for the defence, resolution and settlement of any such claim. The Purchaser will at HPM Legrand's cost and request render such reasonable assistance as HPM Legrand requires in defending any such claim. In no circumstances will the Purchaser acknowledge or concede the validity of any such claim except with HPM Legrand's express written consent. If any such claim against HPM Legrand succeeds, HPM Legrand will at its option use its best endeavours to obtain a right to use or license any such intellectual property rights or modify the Products or replace them at its cost.

14.3 The Purchaser will indemnify HPM Legrand for and in respect of claims by any third party in relation to the Products which arise from or can be attributed to the special processes, requirements or specifications of the Purchaser, including the use or transfer of designs, logos, trade marks and techniques, equipment and tools in the manufacture, production and labelling of the Products.

14.4 In this clause 14 a reference to intellectual property rights includes patents, trade marks, copyright, registered designs and licences and applications in respect of any of the above.

15 Assignment

This Agreement is personal to HPM Legrand and the Purchaser and any rights and obligations under this Agreement may only be assigned by the Purchaser with the prior written consent of HPM Legrand.

16 Waiver

No neglect, delay or indulgence on the part of HPM Legrand in enforcing these terms and conditions will prejudice the rights of HPM Legrand or be construed as a waiver of any such rights.

17 Severability

If any part of these terms and conditions (including any provision, part, paragraph, phrase or word) is illegal, invalid or unenforceable it will be read down so far as necessary to give it a valid and enforceable operation or, if that is not possible, it will be severed from these terms and conditions, but in any event the remaining provisions will remain in full force and effect.

18 Governing law

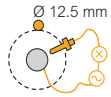
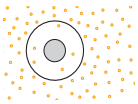
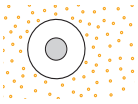
This Agreement and these terms and conditions are governed by and must be construed in accordance with the laws which apply in the State of New South Wales. The parties submit to the non-exclusive jurisdiction of the courts of that State and the Commonwealth of Australia in respect of all matters or things arising out of these terms and conditions and any other provision of this Agreement.

Index of protection (IPXX) against solid bodies and liquids

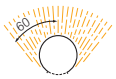
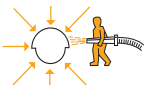
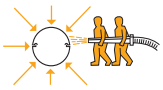
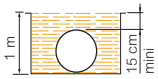
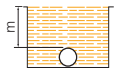
1. Protection against solid bodies and liquids: IP index of protection

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
(See AS 1939, Clause 5)

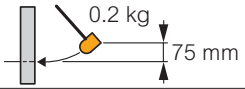
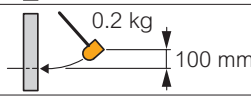
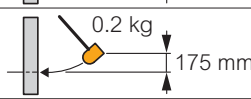
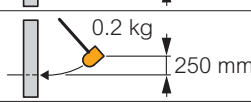
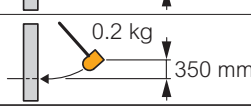
IP	tests		IP
0		No protection	A
1		Protected against solid bodies larger than 50 mm (e.g.: accidental contact with the hand)	
2		Protected against solid bodies larger than 12.5 mm (e.g.: finger)	B
3		Protected against solid bodies larger than 2.5 mm (e.g.: tools, wires)	C
4		Protected against solid bodies larger than 1 mm (e.g.: fine tools and small wires)	D
5		Protected against dust (no harmful deposit)	
6		Completely protected against dust	

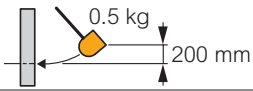
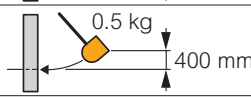
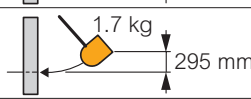
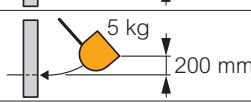
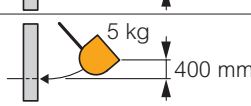
2nd digit: protection of equipment against ingress of harmful liquids
(See AS 1939, Clause 6)

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

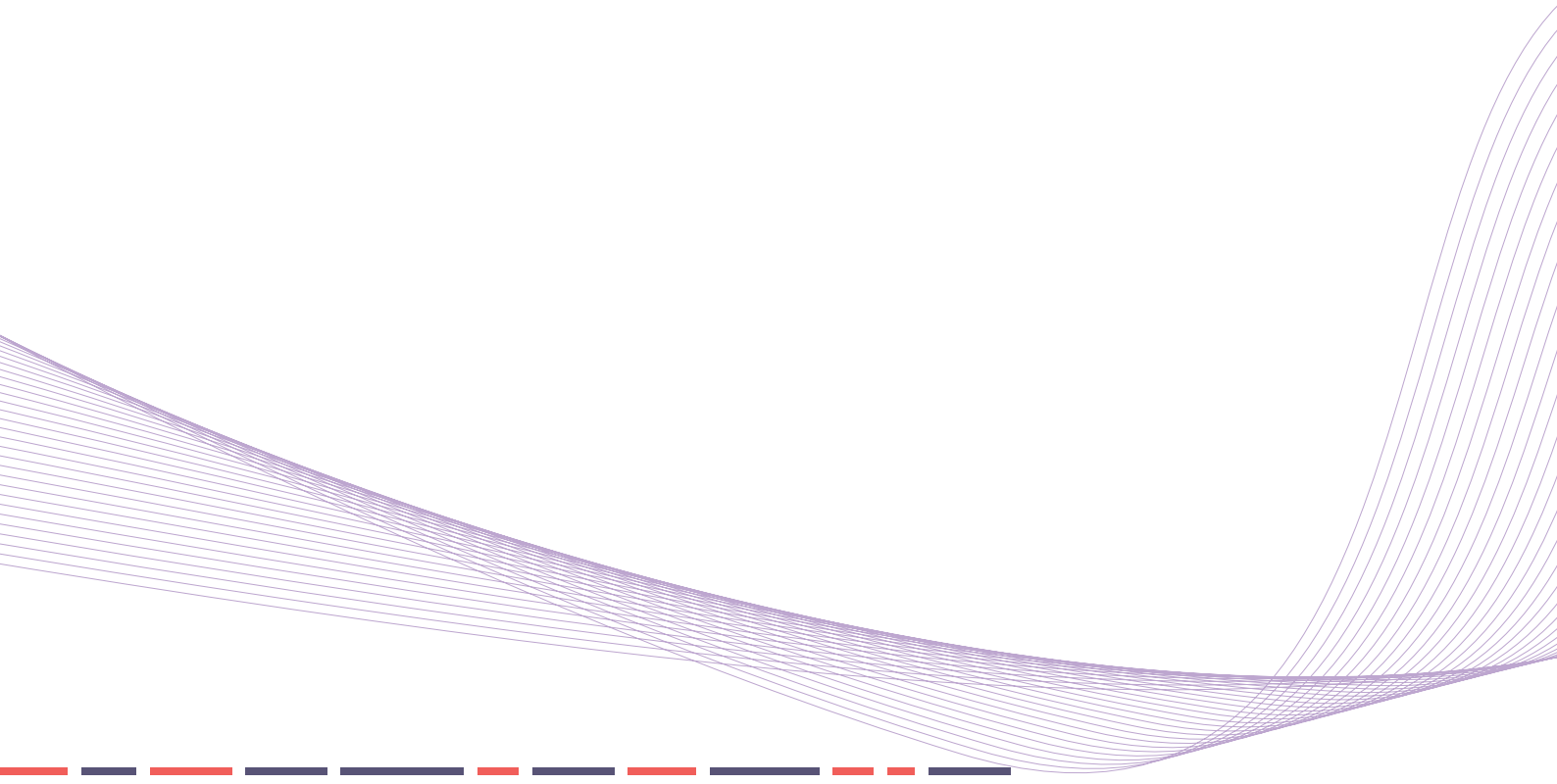
2. Protection IK, against mechanical impact.

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	Tests	Impact energy (in Joules)
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)



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