



PLEXO³

IP65 ENCLOSURES

ALL THE SPACE YOU NEED
WITH MAXIMUM CONVENIENCE
THROUGH MODULARITY



#LegrandImprovingLives

 **legrand**[®]

Ideal for a multitude of applications

With IP65 rating protection and optimised imensions, Plexo³ enclosures can be used for distribution of up to 72 modules.

The design of Plexo³ enclosures makes them suitable for use in outdoor and industrial applications, as well as in agricultural and photovoltaic installations.



Characteristics

- Class II insulated enclosure
- Impact resistant reinforced polystyrene material
- IP65 - IK09
- Self-extinguishing: resistance to incandescent wire 650°C
- Conform to AS/NZS 61439.3 and IEC 62262 standards
- Colour
 - Box: light grey L750 A
 - Cover: dark grey R746 A
 - Marker holder: transparent blue
- Rated operating and insulation voltage of 400V a.c. 50/60 Hz
- 10 sizes of enclosures
 - 4 to 72 modules
 - 12 modules with 1 to 3 rows
 - 18 modules with 1 to 4 rows



Strong with a high IP65 Rating

High IP65 rating guaranteed for applications in damp places.



Double closing point to ensure a good seal. Handle can be fitted with a lock to guarantee safety.



Knockout cable entries at the top, bottom and sides of the enclosure. Can also be fitted with cable glands for easier cabling.



IK09 for enhanced impact resistance (shock resistant polystyrene) for longer life time.



Clever accessories that save you time

- Different sizes of direct piercing end caps can be mounted at the top, bottom and sides of the enclosure.
- Cable glands can be fitted according to your requirements.

Direct piercing end caps

- ISO membrane glands can be pierced directly by the cable
- Tool free fitting and removal
- IP65 guaranteed with the cable inserted.
- Larger cable capacity than a standard cable gland
- Cable held securely in the membrane gland

Speed and ease of installation

Removable faceplate for easier maintenance of individual rows



Enclosures fitted with terminal blocks, which can easily be repositioned, at the top and bottom of the box



Rails can be removed one by one



Removable chassis for wiring outside the enclosure



Maximum convenience through modularity



Space behind the rails
- 2 position rails with adjustable depth



Space between the rails
- allowing cables to run easily



Space at the side of the DIN rail
- to run cable through easily



Door and enclosure are both **fully reversible**

Experience the convenience of achieving the same wiring results from top or bottom.



MATERIALS

- Box, cover, rail brackets, terminal brackets, hinge cover and faceplate: impact reinforced polystyrene
- Door: transparent polycarbonate
- Handle and door identifier indicator light: polycarbonate
- Handle bar: glass fibre-reinforced polycarbonate
- Entry glands: polypropylene + SEBS
- Cover/box screws and springs: stainless steel
- Other screws: zinc-coated steel
- Rails: galvanised steel

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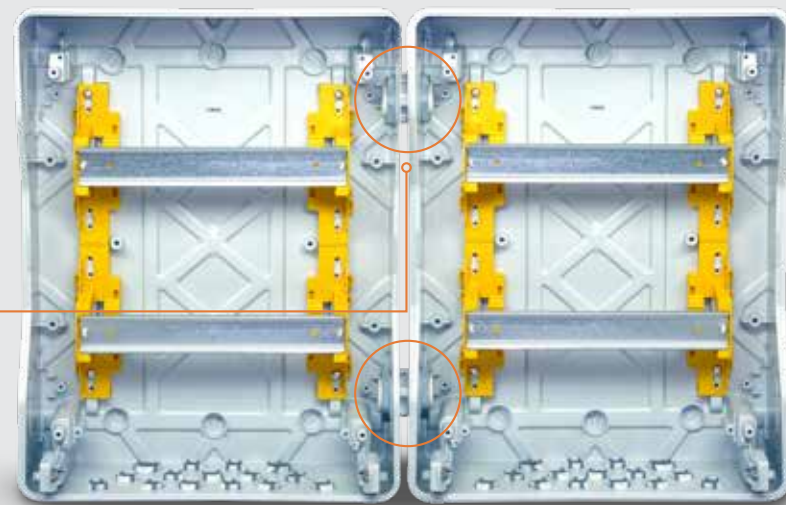
ACCESSORIES FOR CABINET

JOINING KITS

The joining kit is used to join 2 enclosures of the same or different heights horizontally, or 2 enclosures of the same width vertically, or to join a vertical or horizontal multi-function sleeve to a Plexo³ cabinet.



JOINING KITS
CAT NO. 0 016 67



FIXING ACCESSORIES FOR TERMINAL BLOCKS

A single or double support for terminal blocks can be added at the top or bottom of the enclosures. These accessories take empty supports for terminal blocks cat. no 0 048 17 (12-module enclosures) and cat. no 4 048 21 (18-module enclosures) on which empty screw terminal blocks cat. nos 0 048 01 to 07 can be installed.

SINGLE SUPPORT
FOR 1 OR 2 ROW ENCLOSURES
Cat. No. 0 019 72

DOUBLE SUPPORT
FOR 3 OR 4 ROW ENCLOSURES
Cat. No. 0 019 73



Joined enclosures or sleeves must be fixed to the wall. The kit comprises of 2 identical accessories which provide a 26mm diameter feedthrough for cables, while maintaining overall IP65 protection.



There are 32 mm diameter cut-outs on the vertical and horizontal sides of the enclosures, which allow for joining accessories to be fitted.



HEAT REFLECTIVE PANEL

While maintaining an IP65 rating, the new heat reflective panel helps to further reduce heat inside the enclosure. Available for all 12 and 18 modules enclosures.

- Light grey
- 2mm opal acrylic
- Fast and secure installation (less than 1 min)
- All in 1 kit (panel + mounting accessories included)



Self-extinguishing: resistance to incandescent wire 650°C
AS/NZS 61439.3
IP65 - IK09
Class II insulated enclosure
Door and enclosure 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

Pack	Cat.Nos	Enclosures 4 to 8 module	
		Number of rows	Number of modules
1	6 019 74	1	4
1	6 019 76	1	6
1	6 019 78	1	8

Pack	Cat.Nos	Enclosures 12 modules per row	
		Number of rows	Number of modules
1	6 019 81	1	12
1	6 019 82	2	24
1	6 019 83	3	36

Pack	Cat.Nos	Enclosures 18 modules per row	
		Number of rows	Number of modules
1	6 019 85	1	18
1	6 019 86	2	36
1	6 019 87	3	54
1	6 019 88	4	72

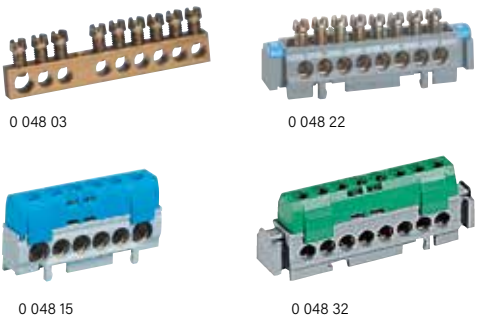


Scan the QR code
for data sheet



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 from 12 modules
Blanking Inserts available for direct sunlight installtion. Available
on request.

Pack	Cat.Nos	Accessories
1	0 019 66	Key lock N° 850
1	0 019 69	Fixing lugs Set of 4 wall mounting lugs
1	0 019 61	Blanking plates 5, separable into modules or 1/2 module, Grey R746A
1	0 019 55	Direct piercing end caps Pack consisting of 2 Ø32mm ISO end caps, 5 Ø25mm ISO end caps and 10 Ø20mm ISO end caps
2	0 019 67	Joining kit Allows cables to be run horizontally or vertically between 2 enclosures or multifunction sleeves while maintaining IP65 protection
1	0 019 62	Perforated plates Allow the DIN rail to be replaced with a Lina 25 plate when integrating non- modular products For 18 modules enclosures Height 150mm
	6 019 81-HRP 6 019 82-HRP 6 019 83-HRP 6 019 85-HRP 6 019 86-HRP 6 019 87-HRP	Heat Reflective Panel Reduces heat in the enclosure For direct sunlight applications Light grey colour
1	0 019 72	Mounting supports for terminal blocks Fixing accessories for terminal blocks Single support for 1 or 2 row enclosures
1	0 019 73	Double support for 3 or 4 row enclosures



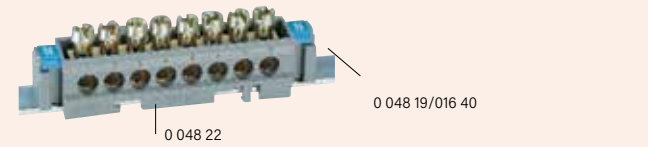
Pack	Cat.Nos	Distribution terminal blocks	
		Conform to standard IEC 60998-2-1 Supplied ready for use (screws not tightened) 100 A max. - 400 V± with 25 mm² input 80 A max. - 400 V± with 16 mm² input	
		Screw terminal blocks Fit with Ø M4 screws	
		Number of connections (mm²)	Length (mm)
10	0 048 01	1 x 6 to 25 + 4 x 1.5 to 16	45
10	0 048 03	1 x 6 to 25 + 8 x 1.5 to 16	73
10	0 048 05	1 x 6 to 25 + 14 x 1.5 to 16	122
10	0 048 06	1 x 6 to 25 + 19 x 1.5 to 16	157
10	0 048 07	1 x 6 to 25 + 25 x 1.5 to 16	192
		Terminal blocks on support Mounting on 4 or 1 rail with universal support Cat.No 0 048 11, or on 12 x 2 flat bar Supplied with Duplix markers	
10	0 048 20'	4 x 1.5 to 16	47
10	0 048 22'	8 x 1.5 to 16	75
10	0 048 24'	1 x 6 to 25 + 12 x 1.5 to 16	113
10	0 048 25'	1 x 6 to 25 + 16 x 1.5 to 16	141
10	0 048 26'	1 x 6 to 25 + 21 x 1.5 to 16	176
10	0 048 28'	1 x 6 to 25 + 33 x 1.5 to 16	276
		IP 2X terminal blocks Mounting on 4 or 1 rail with universal support Cat.No 0 048 11, or on 12 x 2 flat bar	
10	0 048 16	1 x 10 to 35 + 5 x 6 to 25	62
10	0 048 50	4 x 1.5 to 16	47
10	0 048 52	8 x 1.5 to 16	75
10	0 048 54	1 x 6 to 25 + 12 x 1.5 to 16	113
10	0 048 45	1 x 6 to 25 + 16 x 1.5 to 16	141
10	0 048 46	1 x 6 to 25 + 21 x 1.5 to 16	176
10	0 048 48	2 x 6 to 25 + 33 x 1.5 to 16	276
		Supports for terminal blocks Requires fixing accessory 0 019 72/73 Distribution block support for connecting up to 4 IP 2X terminal block of the same size to create a distribution block Universal support for mounting an terminal blocks on 3 or 1 rail 35-holes empty support, for screw terminal blocks Length: 276 mm Empty supports with 50 holes - for 18 modules Plexo ³ range Lenght - 385 mm	
1	0 048 10	1: Each terminal block is supplied with: - 2 green Duplix marked T - 2 blue Duplix marked N - 2 red Duplix marked L	
5	0 048 11		
5	0 048 17		
5	4 048 21		

■ Selection of protections for supply busbars

Supply busbars Cat.Nos	Protections Cat.Nos
4 049 26/28/37	4 049 89
4 049 56/57	4 049 70
4 049 58	4 049 71
4 049 59	4 049 72
4 049 60	4 049 73
4 049 50/62	4 049 74
4 049 51/63	4 049 75
4 049 52/53/64/65/68	4 049 76

■ Mounting of terminal blocks on support

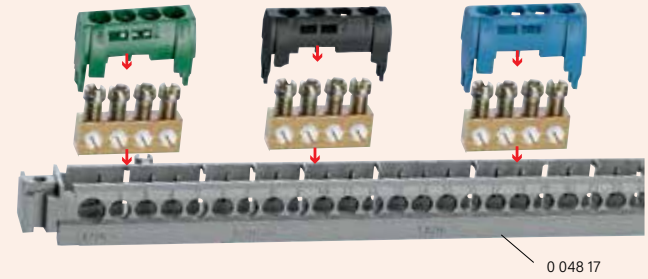
On 12 x 2 flat bar



On support for terminal blocks Cat.No 0 048 17

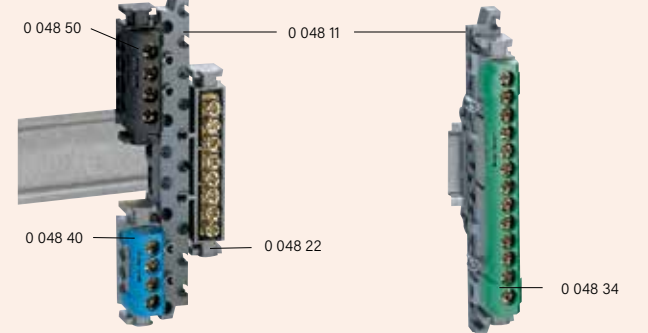
Enables you to make exactly the right number of connections

• Example:



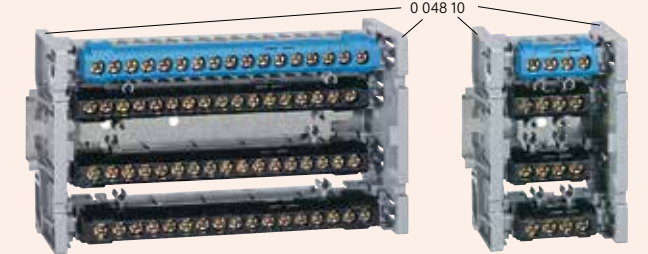
Universal support Cat.No 0 048 11

Mounted on **4** or **1** rail, takes all terminal blocks



On distribution block support Cat.No 0 048 10

Possibility of forming a 2P, 3P or 4P distribution block by associating
IP 2X terminal blocks

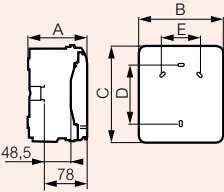


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DIMENSIONS

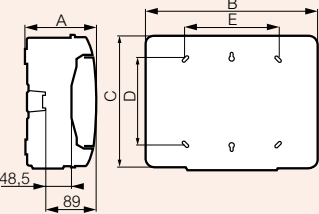
■ Dimensions

Enclosures 4, 6 and 8 modules



Cat.Nos	Dimensions (mm)				
	A	B	C	D	E
601974	115.6	128	200	120	-
601976	115.6	164	200	120	70
601978	115.6	200	200	120	106

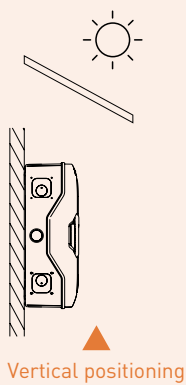
Enclosures 12, 24 and 36 modules



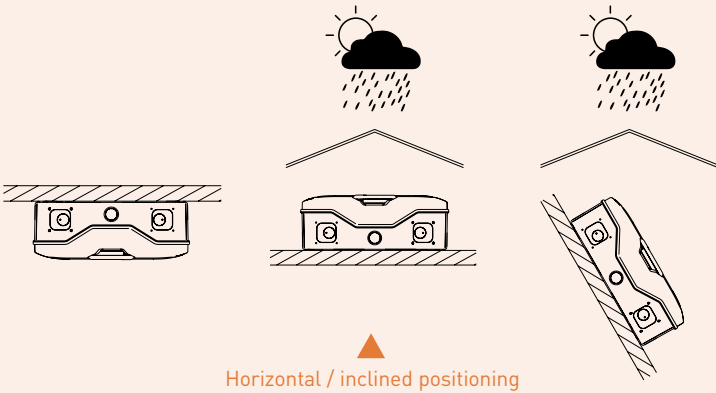
Cat.Nos	Dimensions (mm)				
	A	B	C	D	E
601981	141	340	282	180	180
601982	161	340	432	330	180
601983	161	340	622	480	180
601985	141	448	282	180	290
601986	161	448	432	330	290
601987	161	448	622	480	290
601988	161	448	822	680	290

■ Recommended installation positioning

To reach best performance and longevity, it is recommended that enclosures are sheltered from direct sunlight and rain in horizontal /inclined positioning



Vertical positioning



Horizontal / inclined positioning

■ Storage and installation temperature

601974/76/78 enclosure: -15°C to 55°C (+70°C/24H)
601981/82/83/85/86/87/88 enclosure: -25°C to 55°C (+70°C/24H)
Operating temperature: -25°C to 40°C

■ Number of knockouts on each side

Cat.Nos	Top / bottom			Left / right		
	Ø20mm	Ø25mm	Ø32mm	Ø20mm	Ø25mm	Ø32mm
601974	2	1	-	2	-	-
601976	4	1	-	2	-	-
601978	6	1	-	2	-	-
601981	7	2	2	-	-	2
601982	13	2	2	-	-	3
601983	13	2	2	-	-	4
601985	12	2	3	-	-	2
601986	13	4	3	-	-	3
601987	13	4	3	-	-	1
601988	13	4	3	-	-	5

■ Direct piercing end caps

Cat.No	Type	Number of end caps per pack	Ø	
			Min. (mm)	Max. (mm)
001955	ISO20	10	4	13
	ISO25	5	9	18
	ISO32	2	12	25

■ Earth and neutral terminal blocks

Cat.No	Earth bar	Neutral bar
601974	4 x 16mm ²	4 x 16mm ²
601976	4 x 16mm ²	4 x 16mm ²
601978	8 x 16mm ²	8 x 16mm ²
601981	13 x 25mm ²	13 x 25mm ²
601982	1 x 25mm ² + 16 x 16mm ²	1 x 25mm ² + 16 x 16mm ²
601983	1 x 25mm ² + 21 x 16mm ²	1 x 25mm ² + 21 x 21mm ²
601985	1 x 25mm ² + 16 x 16mm ²	1 x 25mm ² + 16 x 16mm ²
601986	1 x 25mm ² + 21 x 16mm ²	1 x 25mm ² + 21 x 16mm ²
601987	1 x 25mm ² + 26 x 16mm ²	1 x 25mm ² + 26 x 16mm ²
601988	1 x 25mm ² + 34 x 16mm ²	1 x 25mm ² + 34 x 16mm ²

Notes

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