PLEXO³
IP65 ENCLOSURES

ALL THE SPACE YOU NEED WITH MAXIMUM CONVENIENCE THROUGH MODULARITY

CATALOGUE
PAGES
INSIDE

THE **GLOBAL SPECIALIST**
IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES

L legrand®

IDEAL FOR A MULTITUDE OF APPLICATIONS

WITH IP65 RATING PROTECTION AND OPTIMISED DIMENSIONS, PLEXO³ ENCLOSURES CAN BE USED FOR DISTRIBUTION OF UP TO 36 MODULES.

The design of Plexo³ enclosures makes them suitable for use in outdoor and industrial applications, as well as in agricultral 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 3439.3 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
- 6 sizes of enclosures
  - 4 to 36 modules
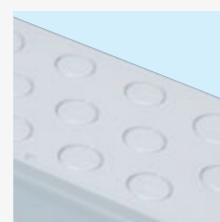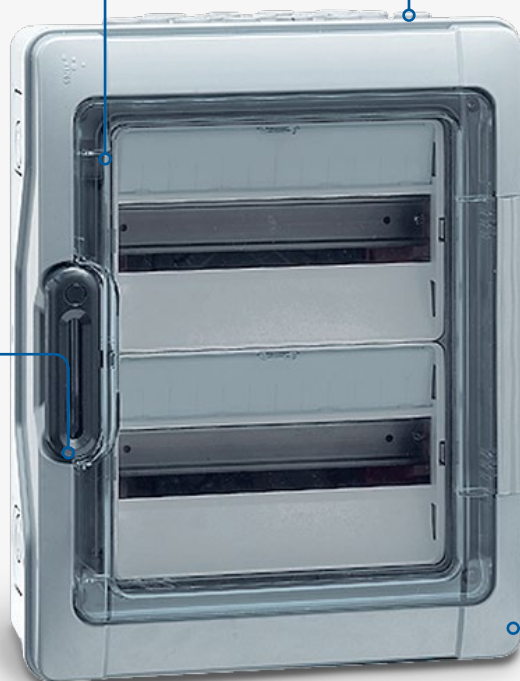 - 12 modules with 1 to 3 rows

STRONG WITH A HIGH
IP65 RATING
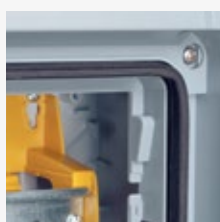
High IP65 rating guaranteed for applications in damp places
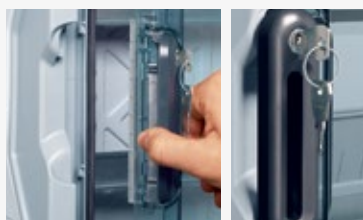
Double closing point to ensure a good seal. Handle can be fitted with a lock. to gaurantee safety.

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
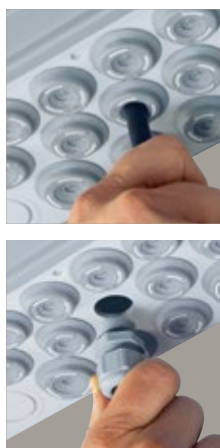
CLEVER ACCESSORIES THAT SAVE YOU TIME

- 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
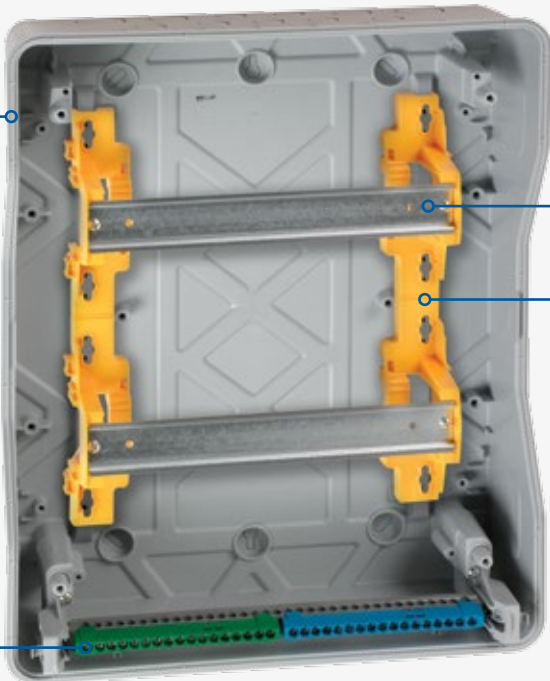- Cable held securely in the membrane gland

SPEED AND EASE OF
INSTALLATION

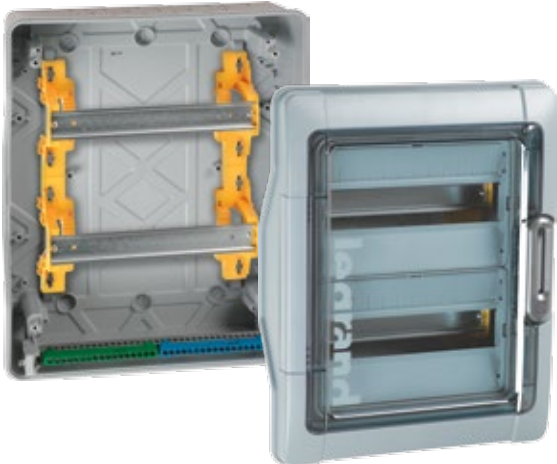Removable faceplate for easier maintenance of individual rows

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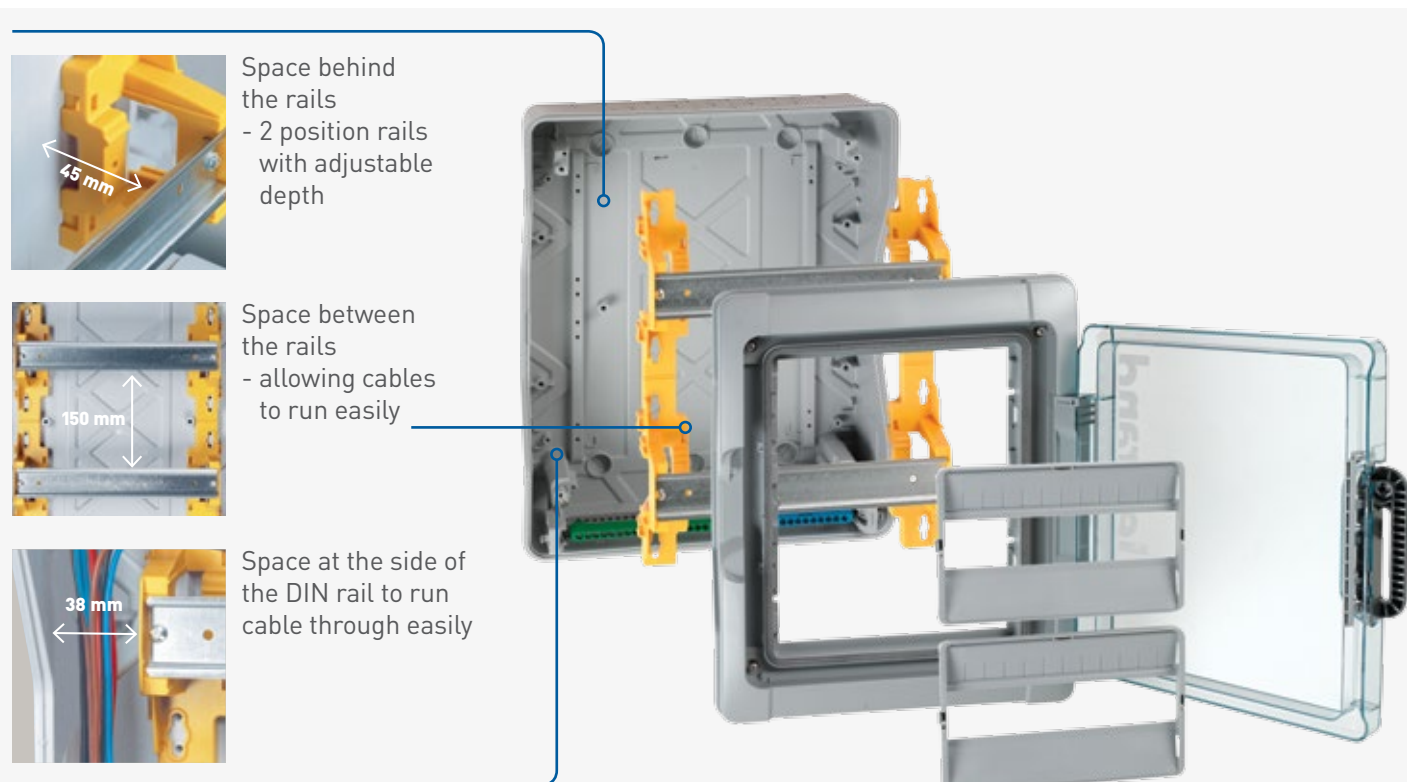

Rails can be removed one by one

Removable chassis for wiring outside the enclosure

DOOR AND ENCLOSURE ARE BOTH FULLY REVERSIBLE

It makes no difference whether the wiring runs from the top or the bottom.

MAXIMUM CONVENIENCE
THROUGH MODULARITY

45 mm

Space behind
the rails
- 2 position rails
  with adjustable
  depth

150 mm

Space between
the rails
- allowing cables
  to run easily

38 mm

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

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

PLEXO³
PRODUCT INFORMATION

601974

601982

601983

01955

01966

Self-extinguishing: resistance to incandescent wire 650°C
AS/NZS 3439.3
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
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.Nos	Number of rows	Number of modules
6	601974	1	4
6	601976	1	6
6	601978	1	8

Enclosures 12 modules per row

Pack	Cat.Nos	Number of rows	No. of 5 module blanking plates
1	601981	1	1
1	601982	2	2
1	601983	3	2

Accessories

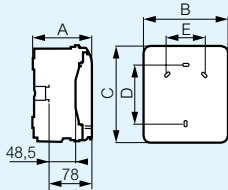| Pack	Cat.Nos	
1	01966	**Key lock** N° 850
1	01969	**Fixing lugs** Set of 4 wall mounting lugs
20	01961	**Blanking plates** 5, separable into modules or 1/2 module, Grey R746A
1	01955	**Direct piercing end caps** Pack consisting of 2 Ø32mm ISO end caps, 5 Ø25mm ISO end caps and 10 Ø20mm ISO end caps

Scan the QR code
for data sheet

PLEXO³
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
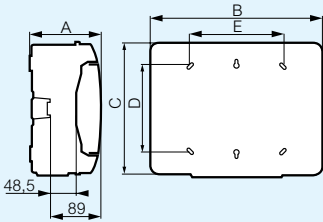
Cat.Nos	Dimensions (mm)				
	A	B	C	D	E
601981	141	340	282	180	180
601982	161	340	432	330	180
601983	161	340	622	480	180

■ 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

■ Direct piercing end caps

Cat.No	Type	Number of end caps per pack	Ø	
			Min. (mm)	Max. (mm)
01955	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 16mm²	4 x 16mm²
601976	4 x 16mm²	4 x 16mm²
601978	8 x 16mm²	8 x 16mm²
601981	13 x 25mm²	13 x 25mm²
601982	1 x 25mm² + 16 x 16mm²	1 x 25mm² + 16 x 16mm²
601983	1 x 25mm² + 21 x 16mm²	1 x 25mm² + 21 x 21mm²

■ 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
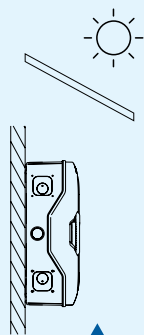
Vertical positioning
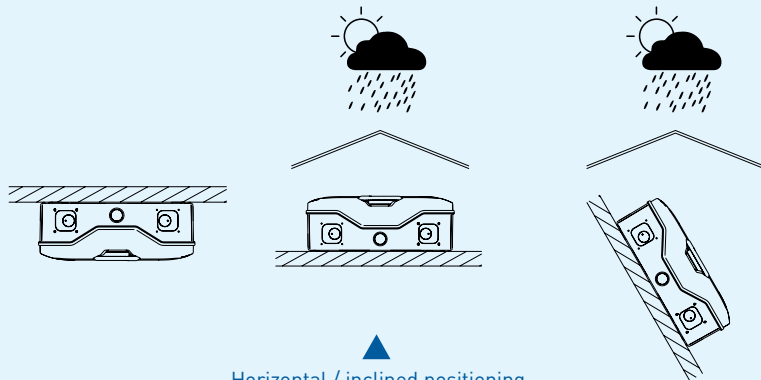
Horizontal / inclined positioning

■ Storage and installation temperature

601974/76/78 enclosure: -15ºC to 55ºC (+70ºC/24H)

601981/82/83 enclosure: -25ºC to 55ºC (+70ºC/24H)

Operating temperature: -25ºC to 40ºC

TO DOWNLOAD
THE CATALOGUE
SCAN THE QR CODE

Li legrand®