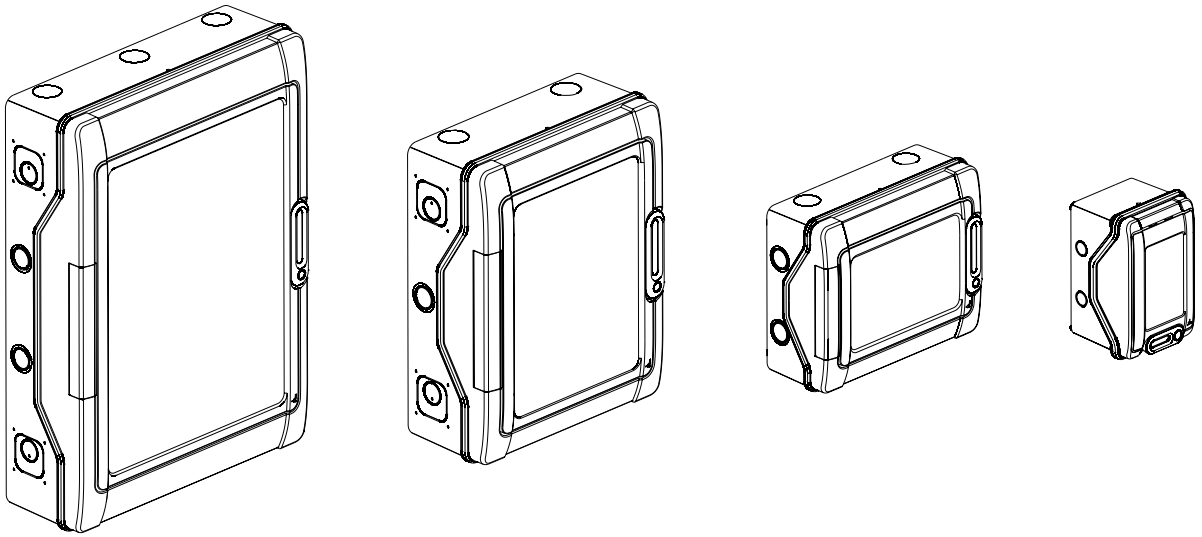
Viale Borri 231
21100 Varese - Italy

IDROBOARD weatherproof cabinets

Cat. Nos :
F107N4D - F107N6D - F107N8D
F107N12D - F107N24D - F107N36D3
F107N18D - F107N36D2 - F107N54D - F107N72D



Index Pages

1. Description - Use 2
2. Range 2
3. Overall dimensions 2
4. General characteristics 3
5. Setting in situation. 3
6. Conformity and approvals. 3
7. Equipment and accessories 4

Product information : IDP000060EN_02 Update : 25/05/2023 First release : 28/09/2015

IDROBOARD weatherproof cabinets

Cat. Nos :
F107N4D - F107N6D - F107N8D
F107N12D - F107N24D - F107N36D3
F107N18D - F107N36D2 - F107N54D - F107N72D

1. DESCRIPTION - USE

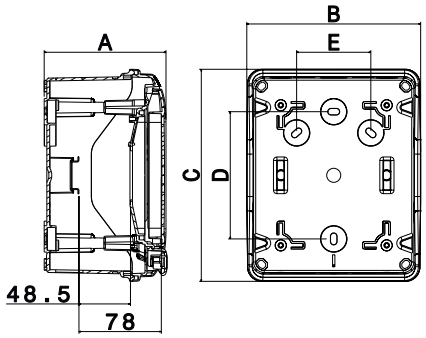
Weatherproof PLEXO3 IP65 cabinets from 4 to 4x18 modules.
. Impact-resistant reinforced polystyrene material
. Removable chassis and faceplates from two-row versions upwards
. Two-position rail for modular products and moulded boxes
. Spacing between rails: 150 mm
. Accommodates perforated plates and plain faceplates for mounting of non-modular products
. Fixing of complete Plexo programme flush-mounted on the side of the cabinet from two-row versions upwards
. Lockable door handle, tamper-evident cover and faceplate
. Door and cabinet totally reversible
. Direct perforation entry glands supplied

2. RANGE, EQUIVALENCE TABLE

Cat. Nos	Number of rows	Number of modules
F107N4D	1	4
F107N6D	1	6
F107N8D	1	8
F107N12D	1	12
F107N24D	2	24
F107N36D3	3	36
F107N18D	1	18
F107N36D2	2	36
F107N54D	3	54
F107N72D	4	72

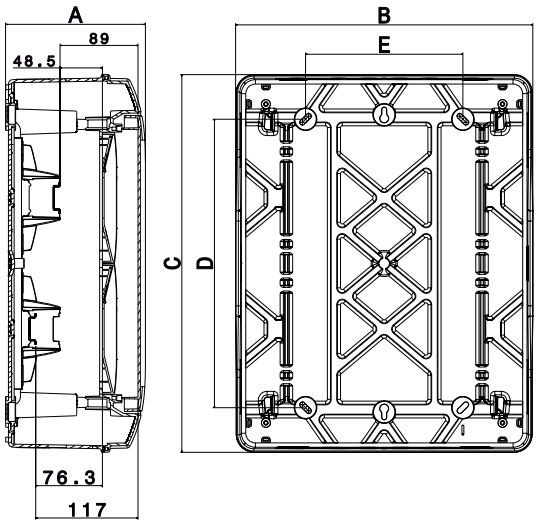
3. OVERALL DIMENSIONS

Four to eight modules cabinets



Cat. Nos	Dimensions (mm)				
	A	B	C	D	E
F107N4D	115.6	128	200	120	-
F107N6D	115.6	164	200	120	70
F107N8D	115.6	200	200	120	106

Twelve- to eighteen-module cabinets



Cat. Nos	Dimensions (mm)				
	A	B	C	D	E
F107N12D	141	340	282	180	180
F107N24D	161	340	432	330	180
F107N36D3	161	340	622	480	180
F107N18D	141	448	282	180	290
F107N36D2	161	448	432	330	290
F107N54D	161	448	622	480	290
F107N72D	161	448	822	680	290

4. GENERAL CHARACTERISTICS

Technical characteristics :

. Box colour : light grey L750A
. Cover colour : dark grey RAL 7046
. Shutter colour : transparent blue
. Protection rating : IP65 – IK09
. Self-extinguishing : 650°C
. Dual class II insulation
. Rated operating voltage : 400 V AC – 50/60 Hz
. Rated insulation voltage : 400 V AC – 50/60 Hz
. Short-circuit current: 10 kA
. Storage and installation temperature:
Four to eight-module cabinets : -15°C to +55°C (+70°C/24 H)
Twelve to eighteen-module cabinets : -25°C to +55°C (+70°C/24 H)
. Operating temperature : -25°C to 40°C
. Max. permitted current :

F107N4D/F107N6D :	32 A
F107N8D :	40 A
F107N12D/F107N18D :	63 A
F107N24D/F107N36D3/F107N36D2 :	90 A
F107N54D/F107N72D :	125 A

. Permissible loads : 40N per row

Materials :

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

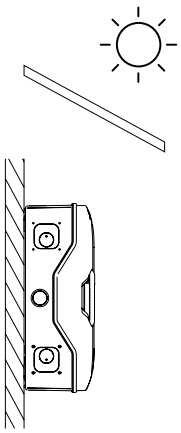
Number of knockouts :

The cabinet has not knockouts on the top and the bottom sides.

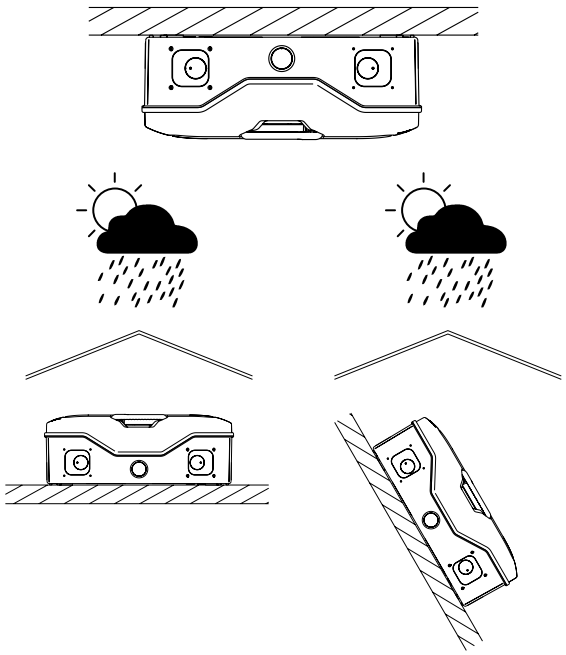
Cat.Nos	Number of knockouts (left and right sides)	
	Ø20 mm	Ø32 mm
F107N4D	2	-
F107N6D	2	-
F107N8D	2	-
F107N12D	-	2
F107N24D	-	3
F107N36D3	-	4
F107N18D	-	2
F107N36D2	-	3
F107N54D	-	4
F107N72D	-	5

5. SETTING IN SITUATION

Vertical positioning



Horizontal / sloping positioning



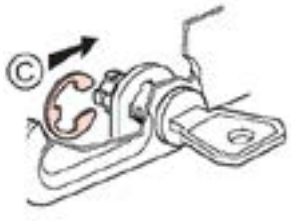
6. CONFORMITY AND APPROVALS

IEC 61 439-3
IEC 60 695-2-11
IEC 62 262
IEC 62 208
RoHS
WEEE
REACH

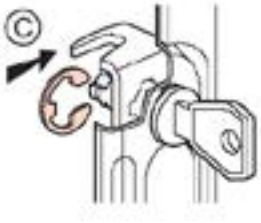
7. EQUIPMENT AND ACCESSORIES

Key lock Cat. No. F107NC1
Key lock no. 850

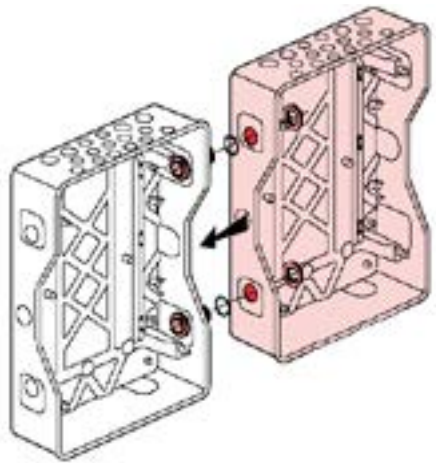
4 to 8-module cabinets

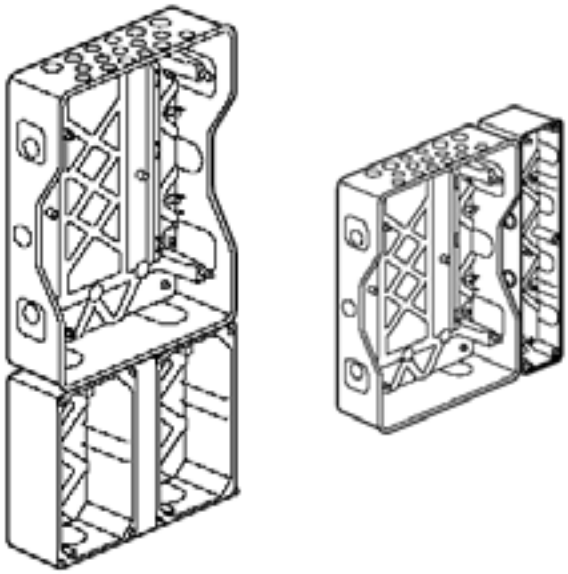


12 to 18-module cabinets



Joining kit Cat. No. F107NK
Used to run cables between two cabinets or horizontal or vertical multifunction sleeves, while maintaining IP65 protection.





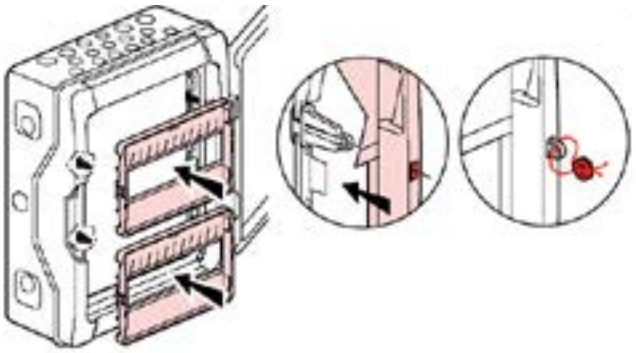
7. EQUIPMENT AND ACCESSORIES (suite)

Sealing kit Cat. No. F107NPB
Set of two sealable terminal shields for covers and eight sealable brackets for faceplates.

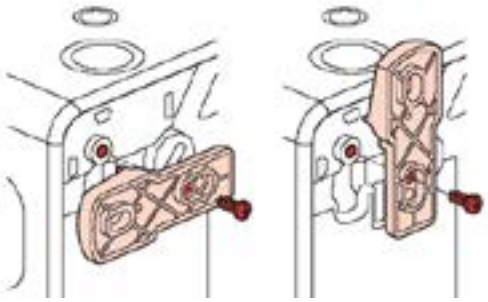
Sealable terminal shields for covers



Sealable brackets for faceplates

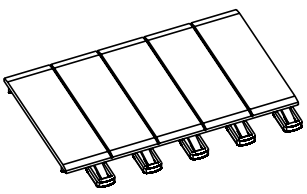


Set of four wall mounting lugs Cat. No. F107NS



Blanking plates Cat. No. F107FP5
Set of five, separable into modules or half-modules, dark grey RAL 7046.

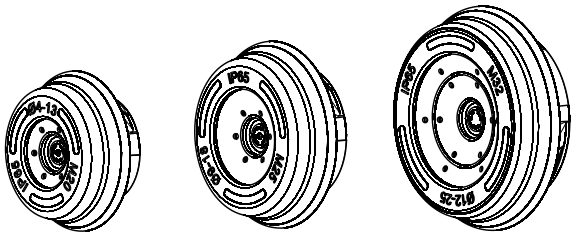
Cat. Nos.	Number of blanking plates supplied
F107N24D	2
F107N36D3	2
F107N36D2	2
F107N54D	3
F107N72D	3



IDROBOARD weatherproof cabinets

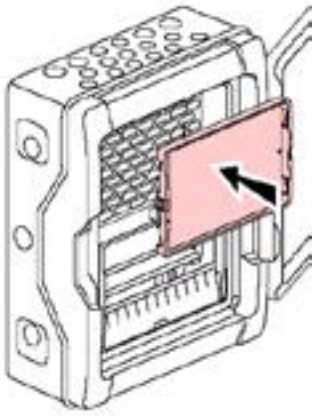
Cat. Nos :
F107N4D - F107N6D - F107N8D
F107N12D - F107N24D - F107N36D3
F107N18D - F107N36D2 - F107N54D - F107N72D

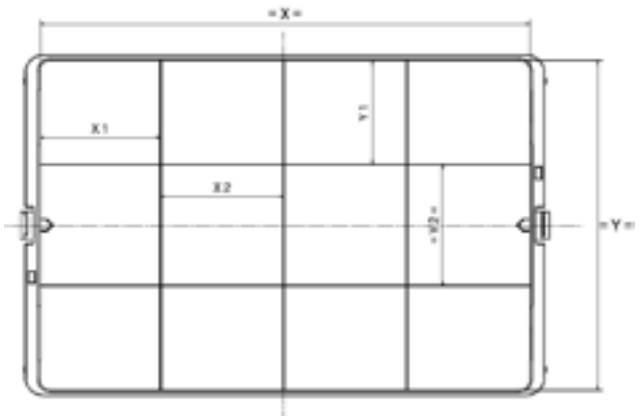
Direct perforation entry glands Cat. No. F107RDT
Pack comprising 2 ISO Ø32 mm entry glands, 5 ISO Ø25 mm entry glands and 10 ISO Ø20 mm entry glands.
These entry glands maintain the cabinet's IP65 and IK09 ratings.



Entry gland Ø20mm | Entry gland Ø25mm | Entry gland Ø32mm

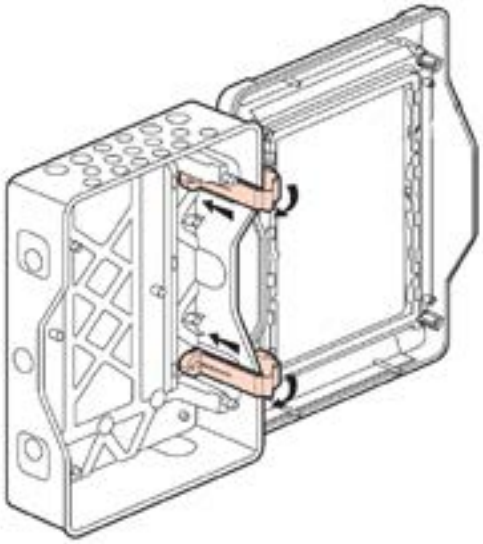
Plain faceplates
For 12-module cabinets Cat. No. F107PA12
For 18-module cabinets Cat. No. F107PA18



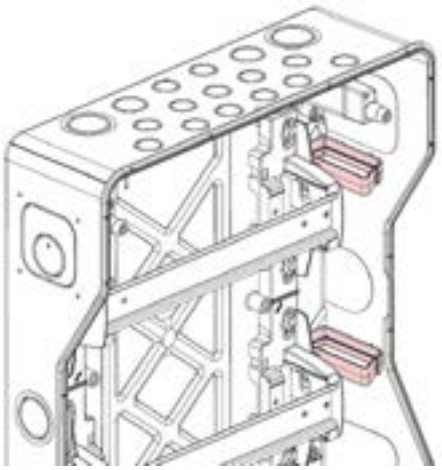


Cat. Nos	X	X1	X2	Y	Y1	Y2
F107PA12	215	53	54	145	45	53
F107PA18	324	53	54	145	45	53

Hinges Cat. No. F107NCH
Set of 2 hinges connecting the back of the cabinet to the cover.



Wire guide
Wire guide supplied with cabinets.



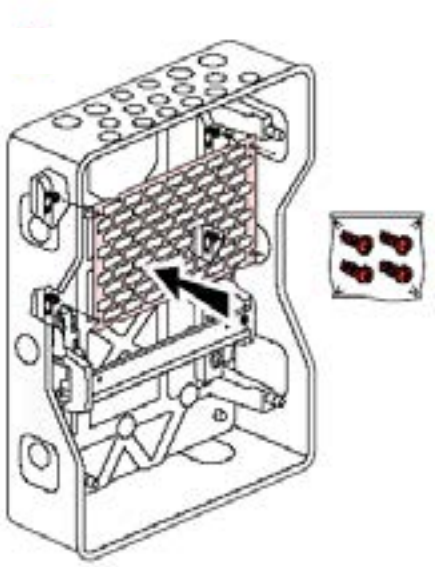
Cat. Nos	Number of wire guides
F107N24D	2
F107N36D3	3
F107N36D2	2
F107N54D	3
F107N72D	4

IDROBOARD weatherproof cabinets

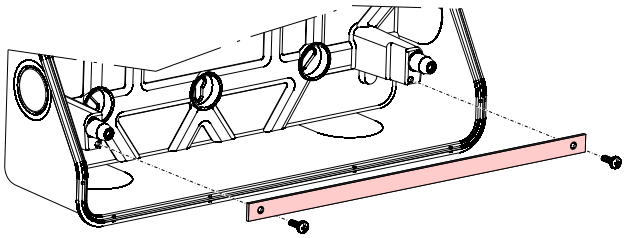
Cat. Nos :
F107N4D - F107N6D - F107N8D
F107N12D - F107N24D - F107N36D3
F107N18D - F107N36D2 - F107N54D - F107N72D

Perforated plates supplied with four fixing screws
Used to replace the DIN rail with a LINA 25 plate to incorporate non-modular products.

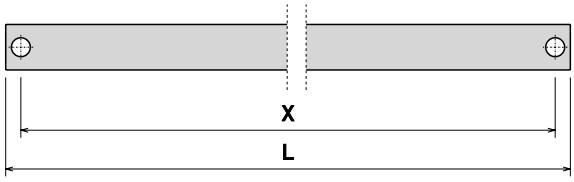
For 12-module cabinet, height 150 mm, Cat. No. F107PS12
For 18-module cabinet, height 150 mm, Cat. No. F107PS18



Flat bar 12x2 Cat. No. 0 048 19
Flat bar 12x2 used to receive IP 2X terminal blocks.
Can be used in 12 and 18 modules cabinets from 1 to 4 rows.
Assembled by screwing directly on cabinet or on terminal block support.
Dimensions of screw to assembly on flat bar :
Thread diameter : Ø4 mm
Max. length under head : 12 mm



Width of cabinet	Length L (mm)	Distance between centres X (mm)
12 modules	280	260
18 modules	380	368



IP2X terminal blocks
Mounting without flat bar

Cat. Nos	IP2X terminal blocks		
	Earth	Phase	Neutral
F107N4D	0 048 30/32	0 048 50/52	0 048 40/42
F107N6D	0 048 30/32/34	0 048 50/52/54	0 048 40/42/44
F107N8D	0 048 30/32/34/35	0 048 50/52/54/55	0 048 40/42/44/45

Mounting on flat bar

Cat. Nos	IP2X terminal blocks		
	Earth	Phase	Neutral
F107N12D	0 048 30/32/ 34/35/36 + 0 048 19	0 048 50/52/ 54/55/56 + 0 048 19	0 048 40/42/ 44/45/46 + 0 048 19
F107N24D			
F107N36D3			
F107N18D			
F107N36D2			
F107N54D			
F107N72D			