



metal and polyester
INDUSTRIALenclosures
2016catalogue



Quality products

metal and polyester INDUSTRIAL enclosures

1st EDITION

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IDE reserves the right to alter or modify references or characteristics of any of its products, if needed it by any technical improvement, standards modifications or logistic purposes, and without prior notification.



* See series

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I Division Electrica S.A. (IDE) is a company based in Spain which operates in the international electrical market. We manufacture plastic and metal enclosures as well as plugs and sockets for low voltage distribution and for the telecommunication sector. Internationally patented items are used in all **IDE** products.

IDE was founded in 1987. Since then we have been committed to innovation. Investments let us achieve our high quality products, widely appreciated in the international markets.

After over 20 years **IDE** has become recognized as one of the leader manufacturers of electrical material. Thanks to its technically experienced staff and its customer service **IDE** has reached one of the strongest positions in the market with a wide loyal client portfolio.



■ metal&polyesterBOARDS

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■ firePROTECTION BOARDS

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Argenta

■ IP66 WALL MOUNTING METAL CABINETS

The ARGENTA Series is a group of mild steel and stainless steel enclosures used to house on the inside electrical or electronic switchgear, controlgear and equipment necessary to supply and distribute electricity.

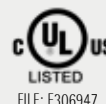
Mainly meant for industrial electrical installations as enclosures for measurement, transmission, signposting control equipment or enclosures for all the equipment necessary to coordinate the different electrical currents. The ARGENTA is made up of a wide range of standard models, manufactured in opaque and transparent door version.

The design and manufacture of this product line is flexible enough so as to adapt to special executions that require specific dimensions in agreement with user and installation requirements. Enclosures made with high quality materials in cold-rolled steel plate of up to 2 mm thick and coated with RAL 7035 hardened epoxy-polyester paint and in stainless steel glazed finished.

This series is completed with a set of accessories like mounting plates, inner doors, canopies, elevation eyebolts, ventilation systems, etc.



ARGENTA TECHNICAL DATA



■ degree of protection:	
single door cabinet:	IP66 / NEMA 1, 12, 4
double door cabinet:	IP55 / NEMA 1, 12
■ resistance to impact:	
opaque door:	IK10
transparent door:	IK09
■ range of temperature under normal conditions:	-25°C/+40°C
■ maximum operation voltage:	1000 V AC.
■ materials:	Cold rolled mild steel RAL7035

According to low tension directive 2006/95/CE Norms: UNE-EN 62208 and UNE-EN 61439-1-3 (in the affected part). Certificate UL508A.
Bureau Veritas under norms EN62208:2003 y EN60529 (only for single door cabinets).
For special cabinets check on UL certification.

ARGENTA ATEX

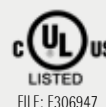


TECHNICAL DATA

■ degree of protection:	
cold rolled mild steel single door cabinet:	IP66 / NEMA 1, 12, 4
stainless steel single door cabinet:	IP66 / NEMA 1, 12, 4x
■ resistance to impact:	IK10
■ range of temperature of the whole with silicone gasket:	-50°C/+100°C
■ maximum operation voltage:	1000 V AC.
■ materials:	
cold rolled mild steel:	RAL7035
stainless steel cabinet:	AISI 304L

According to directive 94/9/CE (ATEX 95).
Certificate LOM 12ATEX/3060/U.
Norms: EN60079-0, EN60079-7 y EN60079-31.
0163 II 2GD - Ex e IIC Gb - Ex tb IIIC Db.

ARGENTA INOX



TECHNICAL DATA

■ degree of protection:	
single door cabinet:	IP66 / NEMA 1, 12, 4x
double door cabinet:	IP55 / NEMA 1, 12
■ resistance to impact:	IK10
■ range of temperature under normal conditions:	-25°C/+40°C
■ maximum operation voltage:	1000 V AC.
■ materials:	Stainless steel AISI 304L

According to low tension directive 2006/95/CE Norms: UNE-EN 62208 and UNE-EN 61439-1-3 (in the affected part).
Certificate UL508A.

The technical features described above are achieved using the components and the accessories supplied by IDE, mounted and assembled according to the corresponding technical guidelines and instruction sheets.
For special cabinets check on UL certification.

technical FEATURES



METAL CABINET

Dimensions available:

- Height: from 250 to 1.400 mm
- Width: from 200 to 1.200 mm
- Depth: from 150 to 400 mm

ATEX CABINET (METAL AND STAINLESS STEEL)

Dimensions available:

- Height: from 300 to 1.000 mm
- Width: from 200 to 800 mm
- Depth: from 150 to 300 mm

INOX CABINET

Dimensions available:

- Height: from 300 to 1.200 mm
- Width: from 200 to 1.000 mm
- Depth: from 150 to 300 mm

CASE

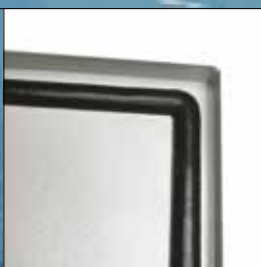
Double fold to prevent water from entering the inside of the cabinet



Bolts placed in the cabinet case and in the door, allowing the link by earth and guaranteeing connectivity between door and base of cabinet



Watertightness gasket to ensure the IP66 protection degree



DOORS



110° door opening



Easy to assemble bolt with anti-lost system



Reinforcement profiles for opaque doors permitting the assembly of devices to the door. 25 mm separation between the holes



Centring device included inside the cabinets of 600 mm and 1400 mm. This piece avoids eventual deviations caused by the weight of the electrical elements included inside the cabinets

ATEX ATMOSPHERES CLASSIFICATION

APPLICATION	Hazardous area category	Zones	Atmosphere
GROUP I Mining	M1 y M2	Gas and Dust (G and D)	
GROUP II Industrial (non-mining)	1. Continuous or for long periods	Zone 0: Gas, vapour and mist	G
		Zone 20: Dusts	D
	2. Occasional	Zone 1: Gas, vapour and mist	G
		Zone 21: Dusts	D
	3. Short periods only	Zone 2: Gas, vapour and mist	G
		Zone 22: Dusts	D

All cabinets destined for hazardous areas should be labelled indicating in which area they can be used and the protection they can offer. Clasification into groups and zones under Directive 99/92/CE.

TECHNICAL FEATURES



LABELLING

0163: Organisation reference number

Ex ATEX symbol according to directive

II: Equipment for different mining facilities with hazardous areas.

2: Product category

GD: Gas and dust

Ex: Product is ATEX compliant

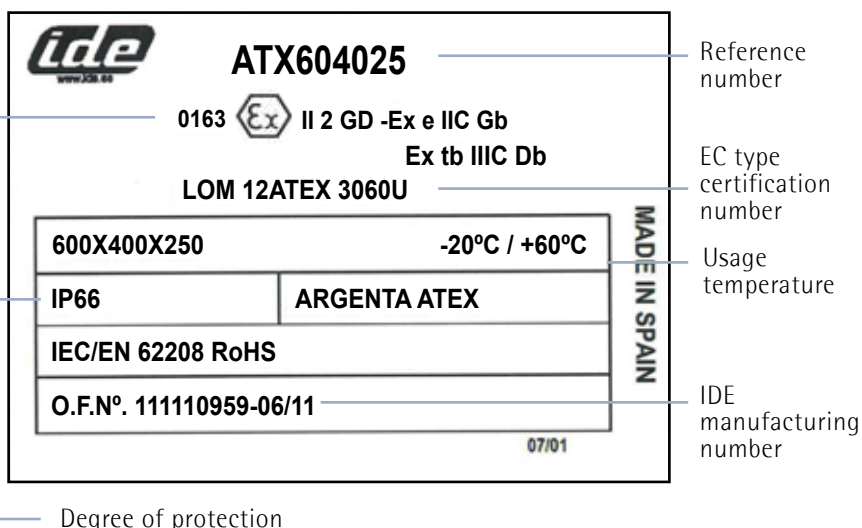
e: Protection type: Increased safety

IIC: Gas type: Hydrogen and similar.

Gb/Db: Protection against dust and gas for non-electrical equipment. "Control of ignition sources"

tb: Type of protection: "Enclosure"

IIIC: Powder type. "Conducting"



IP66 WALL MOUNTING METAL CABINETS

(PLAIN PLATE INCLUDED) **SINGLE DOOR**



Commercial Ref.		Dimensions (mm) (A x B x C)	Cable entries (D x E)	Locks number	Hinges number
OPAQUE door	TRANSPARENT door				
GN252015	GNT252015	250 x 200 x 150	80 x 150	1	2
GN252515	GNT252515	250 x 250 x 150	80 x 150	1	2
GN302015	GNT302015	300 x 200 x 150	80 x 150	1	2
GN302515	GNT302515	300 x 250 x 150	80 x 150	1	2
GN302520	GNT302520	300 x 250 x 200			
GN303015	GNT303015	300 x 300 x 150	80 x 200	1	2
GN303020	GNT303020	300 x 300 x 200	140 x 230		
GN304015	GNT304015	300 x 400 x 150	80 x 300		
GN304020	GNT304020	300 x 400 x 200	140 x 300		
GN403015	GNT403015	400 x 300 x 150	80 x 200		
GN403020	GNT403020	400 x 300 x 200	140 x 230	1	2
GN404015	GNT404015	400 x 400 x 150	80 x 300		
GN404020	GNT404020	400 x 400 x 200	140 x 300		
GN404025	GNT404025	400 x 400 x 250			
GN406020	GNT406020	400 x 600 x 200	140 x 500	1	2
GN406025	GNT406025	400 x 600 x 250			
GN406030	GNT406030	400 x 600 x 300			
GN503015	GNT503015	500 x 300 x 150	80 x 200	2	2
GN503020	GNT503020	500 x 300 x 200	140 x 230		
GN503025	GNT503025	500 x 300 x 250			
GN504015	GNT504015	500 x 400 x 150	80 x 300	2	2
GN504020	GNT504020	500 x 400 x 200	140 x 300		
GN504025	GNT504025	500 x 400 x 250			
GN504030	GNT504030	500 x 400 x 300	80 x 300	2	2
GN505015	GNT505015	500 x 500 x 150			
GN505020	GNT505020	500 x 500 x 200			
GN505025	GNT505025	500 x 500 x 250			
GN505030	GNT505030	500 x 500 x 300			
GN507020	GNT507020	500 x 700 x 200	140 x 500	2	2
GN604015	GNT604015	600 x 400 x 150	80 x 300	2	2
GN604020	GNT604020	600 x 400 x 200	140 x 300		
GN604025	GNT604025	600 x 400 x 250			
GN604030	GNT604030	600 x 400 x 300			
GN605015	GNT605015	600 x 500 x 150	80 x 300	2	2
GN605020	GNT605020	600 x 500 x 200	140 x 400	2	2
GN605025	GNT605025	600 x 500 x 250			
GN605030	GNT605030	600 x 500 x 300			
GN606020	GNT606020	600 x 600 x 200	140 x 500	2	2
GN606025	GNT606025	600 x 600 x 250			
GN606030	GNT606030	600 x 600 x 300			
GN606040	GNT606040	600 x 600 x 400			
GN608030	GNT608030	600 x 800 x 300	140 x 700	2	2
GN705015	GNT705015	700 x 500 x 150	80 x 300	2	2
GN705020	GNT705020	700 x 500 x 200	140 x 400		
GN705025	GNT705025	700 x 500 x 250			
GN804020	GNT804020	800 x 400 x 200	140 x 300	2	3
GN804025	GNT804025	800 x 400 x 250			
GN804030	GNT804030	800 x 400 x 300			
GN806020	GNT806020	800 x 600 x 200	140 x 500	2	3
GN806025	GNT806025	800 x 600 x 250			
GN806030	GNT806030	800 x 600 x 300			
GN806040	GNT806040	800 x 600 x 400			

IP66 / NEMA 1,12, 4

For transparent doors,
please ask for delivery
terms.

Continues on next page



IP66 WALL MOUNTING METAL CABINETS SINGLE DOOR (PLAIN PLATE INCLUDED)



IP66 / NEMA 1,12, 4

For transparent doors,
please ask for delivery
terms.

3P: Three-point lock

Commercial Ref.		Dimensions (mm) (A x B x C)	Cable entries (D x E)	Locks number	Hinges number
OPAQUE door	TRANSPARENT door				
GN808020	GNT808020	800 x 800 x 200	140 x 700	2	3
GN808025	GNT808025	800 x 800 x 250			
GN808030	GNT808030	800 x 800 x 300			
GN808040	GNT808040	800 x 800 x 400			
GN8010030	GNT8010030	800 x 1.000 x 300	140 x 900	2	3
GN1006025	GNT1006025	1.000 x 600 x 250	140 x 500	3P	3
GN1006030	GNT1006030	1.000 x 600 x 300			
GN1006040	GNT1006040	1.000 x 600 x 400			
GN1008025	GNT1008025	1.000 x 800 x 250	140 x 700	3P	3
GN1008030	GNT1008030	1.000 x 800 x 300			
GN1008040	GNT1008040	1.000 x 800 x 400			
GN10010030	GNT10010030	1.000 x 1.000 x 300	140 x 900	3P	3
GN1206025	GNT1206025	1.200 x 600 x 250	140 x 500	3P	3
GN1206030	GNT1206030	1.200 x 600 x 300	140 x 500	3P	3
GN1206040	GNT1206040	1.200 x 600 x 400			
GN1208030	GNT1208030	1.200 x 800 x 300	140 x 700	3P	3
GN1208040	GNT1208040	1.200 x 800 x 400			
GN1209030	GNT1209030	1.200 x 900 x 285	140 x 700	3P	3
GN12010030	GNT12010030	1.200 x 1.000 x 300	140 x 900	3P	3
GN12012025	GNT12012025	1.200 x 1.200 x 250	2 x (140 x 500)	3P	3



IP55 WALL MOUNTING METAL CABINETS DOUBLE DOOR (PLAIN PLATE INCLUDED)



IP55 / NEMA 1,12

Commercial Ref.	Dimensions (mm) (A x B x C)	Cable entries (D x E)	Locks number	Hinges number
GN8010020/PD	800 x 1.000 x 200	140 x 900	3P	3
GN8010030/PD	800 x 1.000 x 300			
GN8010040/PD	800 x 1.000 x 400			
GN8012030/PD	800 x 1.200 x 300	2 x (140 x 500)	3P	3
GN8012040/PD	800 x 1.200 x 400			
GN10010030/PD	1.000 x 1.000 x 300	140 x 900	3P	3
GN10010040/PD	1.000 x 1.000 x 400			
GN10012030/PD	1.000 x 1.200 x 300	2 x (140 x 500)	3P	3
GN10012040/PD	1.000 x 1.200 x 400			
GN12010030/PD	1.200 x 1.000 x 300	140 x 900	3P	3
GN12010040/PD	1.200 x 1.000 x 400			
GN12012025/PD	1.200 x 1.200 x 250	2 x (140 x 500)	3P	3
GN12012030/PD	1.200 x 1.200 x 300			
GN12012040/PD	1.200 x 1.200 x 400			
GN14010030/PD	1.400 x 1.000 x 300	2 x (140 x 500)	3P	3
GN14010040/PD	1.400 x 1.000 x 400			

* Bureau Veritas for single opaque door cabinet.
For special cabinets check on UL certification.



■ IP66 WALL MOUNTING METAL CABINETS FOR HAZAROUS AREAS (PLAIN PLATE INCLUDED)



INCLUDES mounting plate + 4 wall brackets

IP66 / NEMA 1,12, 4

■ MILD STEEL CABINETS

Commercial Ref.	Dimensions	Cable entries	Locks number	Hinges number
ATX302015	300x200x150	80x150	1	2
ATX302515	300x250x150	80x150	1	2
ATX303015	300x300x150	80x200	1	2
ATX303020	300x300x200	140x230	1	2
ATX403020	400x300x200	140x230	1	2
ATX404020	400x400x200	140x300	1	2
ATX406020	400x600x200	140x500	1	2
ATX504020	500x400x200	140x300	2	2
ATX604020	600x400x200	140x300	2	2
ATX604025	600x400x250	140x300	2	2
ATX605025	600x500x250	140x400	2	2
ATX606025	600x600x250	140x500	2	2
ATX705025	700x500x250	140x400	2	2
ATX806030	800x600x300	140x500	2	3
ATX808030	800x800x300	140x700	2	3
ATX1008030	1.000x800x300	140x700	3P	3

■ 304L STAINLESS STEEL CABINETS

Commercial Ref.	Dimensions	Locks number	Hinges number
ATX302015/INX	300x200x150	1	2
ATX302515/INX	300x250x150	1	2
ATX303015/INX	300x300x150	1	2
ATX403020/INX	400x300x200	1	2
ATX404020/INX	400x400x200	1	2
ATX406020/INX	400x600x200	1	2
ATX504020/INX	500x400x200	2	2
ATX604020/INX	600x400x200	2	2
ATX605025/INX	600x500x250	2	2
ATX606025/INX	600x600x250	2	2
ATX705025/INX	700x500x250	2	2
ATX806030/INX	800x600x300	2	3
ATX808030/INX	800x800x300	2	3
ATX1008030/INX	1.000x800x300	3P	3

3P: Tree-point lock



IP66 WALL MOUNTED STAINLESS STEEL ENCLOSURES (PLAIN PLATE INCLUDED)



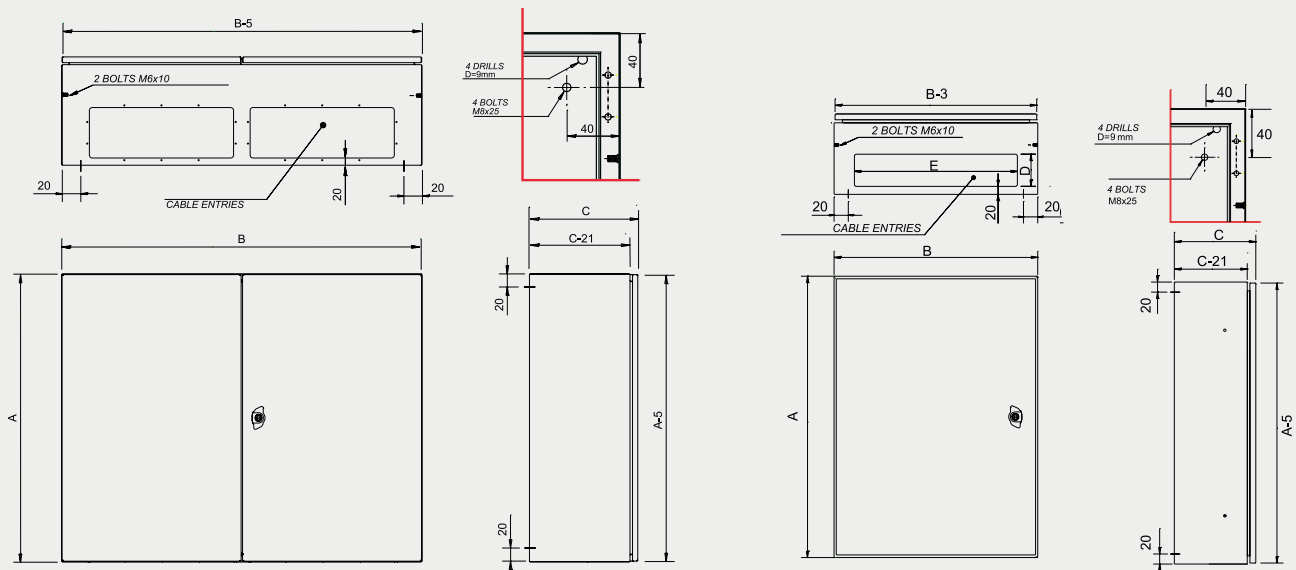
Single door: IP66 / NEMA 1,12, 4x
Double door: IP55 / NEMA 1,12
AISI 304L

Commercial Ref.	Dimensions (mm) (A x B x C)	Locks number	Hinges number
INX302015	300x 200 x 150	1	2
INX302515	300x 200 x 150	1	2
INX303015	300x 300 x 150	1	2
INX403020	400x 300 x 200	1	2
INX404020	400 x 400 x 200	1	2
INX406020	400 x 600 x 200	1	2
INX504020	500 x 400 x 200	2	2
INX604020	600 x 400 x 200	2	2
INX605025	600 x 500 x 250	2	2
INX606025	600 x 600 x 250	2	2
INX705025	700 x 500 x 250	2	2
INX806030	800 x 600 x 300	2	3
INX808030	800 x 800 x 300	2	3
INX1008030	1.000 x 800 x 300	3P	3
IINX10010030/PD	1.000 x 1.000 x 300	3P	3
INX12010030/PD	1.200 x 1.000x 300	3P	3

For 316L cabinets please ask for prices and delivery time
/PD: Double-door cabinet.

For special cabinets check on UL certification.

DIMENSIONS



Stainless steel cabinets without cable entry

MODULAR CHASSIS



MADE OF:

Chassis: Galvanized steel.
Cover: Steel sheet painted RAL7035

COMPONENTS:

- DIN rail frame, metal lid, locking screws and height adjuster (4 x chassis)

Commercial Ref.	Total modules	Rows	Cabinet Ref.
CH3025/1520	16	2x8	GN302515 GN302520
CH4030/1520	33	3x11	GN403015 GN403020
CH5040/1520	48	3x16	GN504015 GN504020
CH5040/2530	48	3x16	GN504025 GN504030
CH6040/1520	64	4x16	GN604015 GN604020
CH6040/2530	64	4x16	GN604025 GN604030
CH6060/1520	104	4x26	GN606020
CH6060/2530	104	4x26	GN606025 GN606030
CH7050/1520	110	5x22	GN705015 GN705020
CH7050/2530	110	5x22	GN705025
CH8060/1520	128	4x26 1x24	GN806020
CH8060/2530	128	4x26 1x24	GN806025 GN806030
CH8080/1520	190	5x38	GN808020
CH8080/2530	190	5x38	GN808025 GN808030

CABLE INPUT LID

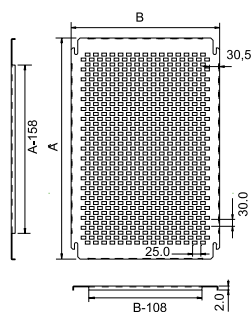
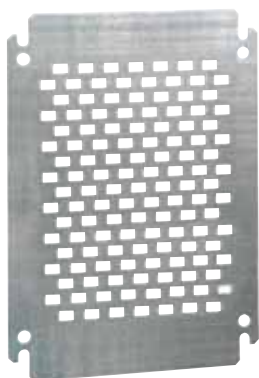
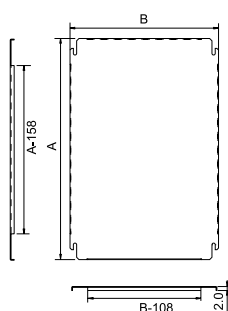


MADE OF:

Steel sheet painted RAL7035

Commercial Ref.	Dimensions (Width x Depth)	No. of flanges
TF0820	80x200	1
TF0830	80x300	1
TF1423	140x230	1
TF1430	140x300	1
TF1440	140x400	1
TF1450	140x500	2
TF1470	140x700	3
TF1490	140x900	3

PLAIN AND GROOVED PLATES ■



MADE OF:
Galvanized steel

PLAIN references	GROOVED references	Dimensions (mm) (A x B)	Cabinet Ref.
PL2520	PLU2520	220 x 150	GN252015
PL2525	PLU2525	220 x 200	GN252515
PL3020	PLU3020	270 x 150	GN302015
PL3025	PLU3025	270 x 200	GN302515 / GN302520
PL3030	PLU3030	270 x 250	GN303015 / GN303020
PL3040	PLU3040	270 x 350	GN304015 / GN304020
PL4030	PLU4030	370 x 250	GN403015 / GN403020
PL4040	PLU4040	370 x 350	GN404015 / GN404020 GN404025
PL4060	PLU4060	400 x 550	GN406020 / GN406025 GN406030
PL5030	PLU5030	470 x 250	GN503015 / GN503020 GN503025
PL5040	PLU5040	470 x 350	GN504015 / GN504020 GN504025 / GN504030
PL5050	PLU5050	470 x 450	GN505015 / GN505020 GN505025 / GN505030
PL5070	PLU5070	470 x 650	GN507020
PL6040	PLU6040	570 x 350	GN604015 / GN604020 GN604025 / GN604030
PL6050	PLU6050	570 x 450	GN605015 / GN605020 GN605025 / GN605030
PL6060	PLU6060	570 x 550	GN606020 / GN606025 GN606030 / GN606040
PL6080	PLU6080	570 x 750	GN608030
PL7050	PLU7050	670 x 450	GN705015 / GN705020 GN705025
PL8040	PLU8040	770 x 350	GN804020 / GN804025 GN804030
PL8060	PLU8060	770 x 550	GN806020 / GN806025 GN806030 / GN806040
PL8080	PLU8080	770 x 750	GN808020 / GN808025 GN808030 / GN808040
PL80100	PLU80100	770 x 950	GN8010020 / GN8010030 GN8010040
PL80120	PLU80120	770 x 1.150	GN8012030 / GN8012040
PL10060	PLU10060	970 x 550	GN1006025 / GN1006030 GN1006040
PL10080	PLU10080	970 x 750	GN1008025 / GN1008030 GN1008040
PL100100	PLU100100	970 x 950	GN10010030 / GN10010040
PL100120	PLU100120	970 x 1.150	GN10012030 / GN10012040
PL12060	PLU12060	1.170 x 550	GN1206025 / GN1206030 GN1206040
PL12080	PLU12080	1.170 x 750	GN1208030 / GN1208040
PL12090	PLU12090	1.170 x 850	GN1209030
PL120100	PLU120100	1.170 x 950	GN12010030 / GN12010040
PL120120	PLU120120	1.170 x 1.150	GN12012025 / GN12012030 GN12012040
PL140100		1.370 x 950	GN14010030 / GN14010040

ARGENTA accessories

■ PLINTH



MADE OF:
Steel sheet painted RAL7016

Commercial Ref.

100 PLINTH

	Dimensions (Width x Depth)
ZCLA106025	600x250
ZCLA106030	600x300
ZCLA106040	600x400
ZCLA108020	800x200
ZCLA108025	800x250
ZCLA108030	800x300
ZCLA108040	800x400
ZCLA1010030	1.000x300
ZCLA1010040	1.000x400
ZCLA1012025	1.200x250
ZCLA1012030	1.200x300
ZCLA1012040	1.200x400

Commercial Ref.

200 PLINTH

	Dimensions (Width x Depth)
ZCLA206025	600x250
ZCLA206030	600x300
ZCLA206040	600x400
ZCLA208020	800x200
ZCLA208025	800x250
ZCLA208030	800x300
ZCLA208040	800x400
ZCLA2010030	1.000x300
ZCLA2010040	1.000x400
ZCLA2012025	1.200x250
ZCLA2012030	1.200x300
ZCLA2012040	1200X400



Commercial Ref.

48497	Plinth cable support 250 mm
48498	Plinth cable support 300 mm
48499	Plinth cable support 400 mm

■ HEIGHT ADJUSTMENT ELEMENTS

For inner doors.



MADE OF: Galvanized steel

Commercial Ref.

		Cabinet depth (mm)
SP150	150	Height adjustment element kit (4 pcs.)
SP200	200	Height adjustment element kit (4 pcs.)
SP250	250	Height adjustment element kit (4 pcs.)
SP285	285	Height adjustment element kit (4 pcs.)
SP300	300	Height adjustment element kit (4 pcs.)
SP400	400	Height adjustment element kit (4 pcs.)

MOUNTING PLATE ATTACHMENT ELEMENTS ■

	Commercial Ref.	
	48228	4 lifters + 4 non-rotating nuts

WALL MOUNTING SUPPORT ■

	Commercial Ref.	
	48423	Wall mounting support galvanized steel (4 pcs.)
	48623	Wall mounting support 316L stainless steel (4 pcs.)

INNER ATTACHMENT SUPPORT ■

 MADE OF: Galvanized steel	Commercial Ref.	
	48422	Inner hook fitting (4 pcs.)

CABINET LIFTING EYEBOLTS ■

 MADE OF: Galvanized steel	Commercial Ref.	
	48475	Cabinet lifting eyebolts (2 pcs.)

MAST ATTACHMENT PACK ■

 MADE OF: Galvanized steel	Commercial Ref.	
	48420	Mast attachment pack (2 pcs.) For cabinet width from 300 to 800 mm

DOOR ASSEMBLY PROFILES ■

 MADE OF: Galvanized steel	Commercial Ref.	
	PMP300	Assembly profile for door, width 300
	PMP400	Assembly profile for door, width 400
	PMP500	Assembly profile for door, width 500
	PMP600	Assembly profile for door, width 600
	PMP800	Assembly profile for door, width 800
	PMP900	Assembly profile for door, width 900
	PMP1000	Assembly profile for door, width 1.000
	PMP1200	Assembly profile for door, width 1.200

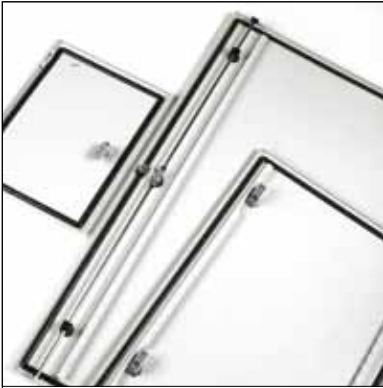
SUPPORT STANDS ■

	Commercial Ref.	
	49730	Support stand H=900 galvanized steel RAL7035
	49731	Support stand H=900 stainless steel AISI 304L

LOCKS

		Commercial Ref.	
 Ref. 48450	 Ref. 48414	48450	5 mm double-bit lock (up to 8 mm height)
		48414	5 mm double-bit lock with three-point (without rods) (From 1.000 mm height)
 Ref. 48451	 Ref. 48415	48451	Lock in triangle with key 8 mm
		48415	Lock in triangle with three-point with key 8mm (without rods)
 Ref. 48455	 Ref. 48455	48455	Lock in square with key 7 mm
		48450	Lock in square with three-point with key 7mm
 Ref. 48456		48456	1/4 turning lock with key code 333
		48496	1/4 turning lock with three-point and key code 333
		48493	1/4 turning lock with key F-405 type
		48494	1/4 turning lock with key F-455 type
		48495	1/4 turning lock with key F-124E type
 Ref. 48457	 Ref. 48412	48457	1/4 turning lock with wing nut with key code 333
		48411	1/4 turning lock with three-point wing nut with key (without rods) code 333
		48412	1/4 turning lock with wing nut without key
		48413	1/4 turning lock with three-point wing nut without key (without rods) code 333
 Ref. 48405	 Ref. 48406	48405	1P ATEX lock 5mm (galvanized steel)
		48406	3P ATEX lock 5mm (galvanized steel)
		48407	1P INOX and INOX-ATEX lock 5mm (stainless steel 304L)
		48408	3P INOX and INOX-ATEX lock 5mm (stainless steel 304L)
		48400	1P INOX and INOX-ATEX lock 5mm (stainless steel 316L)
		48401	3P INOX and INOX-ATEX lock 5mm (stainless steel 316L)
 Ref. 48449	 Ref. 48460	48449	5 mm double-bit key
		48460	5 mm double-bit zamak key
		48385	Enclosure rods 800 mm height
		48386	Enclosure rods 1.000 mm height
		48387	Enclosure rods 1.200 mm height
		48388	Enclosure rods 1.400 mm height

SPARE DOORS ■



MADE OF:

Steel sheet painted RAL7035

Stainless steel glanzed finished

AISI 304L

Commercial Ref.

METAL doors	INOX doors	Dimensions (mm) (Height x Width)
P02520		250 x 200
P02525		250 x 250
P03020	P03020/INOX	300 x 200
P03025	P03025/INOX	300 x 250
P03030	P03030/INOX	300 x 300
P03040		300 x 400
P04030	P04030/INOX	400 x 300
P04040	P04040/INOX	400 x 400
P04060	P04060/INOX	400 x 600
P05030		500 x 300
P05040	P05040/INOX	500 x 400
P05050		500 x 500
P05070		500 x 700
P06040	P06040/INOX	600 x 400
P06050	P06050/INOX	600 x 500
P06060	P06060/INOX	600 x 600
P06080		600 x 800
P07050	P07050/INOX	700 x 500
P08040		800 x 400
P08060	P08060/INOX	800 x 600
P08080	P08080/INOX	800 x 800
P080100		800 x 1.000
P010060		1.000 x 600
P010080	P010080/INOX	1.000 x 800
P0100100		1.000 x 1.000
P012060		1.200 x 600
P012080		1.200 x 800
P012090		1.200 x 900
P0120100		1.200 x 1.000
P0120120		1.200 x 1.200
P080100/PD*		800 x 1.000
P080120/PD*		800 x 1.200
P0100100/PD*	P0100100PD/INOX*	1.000 x 1.000
P0100120/PD*		1.000 x 1.200
P0120100/PD*	P0120100PD/INOX*	1.200 x 1.000
P0120120/PD*		1.200 x 1.200
P0140100/PD*		1.400 x 1.000

Supplied without lock.

See references in page 16

* Opaque double doors

■ INNER DOOR



MADE OF:

Steel sheet painted RAL7035

Commercial Ref.	Dimensions (mm) (Height x Width)	Cabinet Ref.
PIN3020	250 x 150	GN302015
PIN3025	250 x 200	GN302515 / GN302520
PIN3030	250 x 250	GN303015 / GN303020
PIN3040	250 x 350	GN304015 / GN304020
PIN4030	350 x 250	GN403015 / GN403020
PIN4040	350 x 350	GN404015 / GN404020 GN404025
PIN4060	350 x 550	GN406020 / GN406025 GN406030
PIN5030	450 x 250	GN503015 / GN503020 GN503025
PIN5040	450 x 350	GN504015 / GN504020 GN504025 / GN504030
PIN5050	450 x 450	GN505015 / GN505020 GN505025 / GN505030
PIN5070	450 x 650	GN507020
PIN6040	550 x 350	GN604015 / GN604020 GN604025 / GN604030
PIN6050	550 x 450	GN605015 / GN605020 GN605025 / GN605030
PIN6060	550 x 550	GN606020 / GN606025 GN606030 / GN606040
PIN6080	550 x 750	GN608030
PIN7050	650 x 450	GN705015 / GN705020 GN705025
PIN8040	750 x 350	GN804020 / GN804025 GN804030
PIN8060	750 x 550	GN806020 / GN806025 GN806030 / GN806040
PIN8080	750 x 750	GN808020 / GN808025 GN808030 / GN808040
PIN80100	750 x 950	GN8010020 / GN8010030 GN8010040
PIN80120	750 x 1.150	GN8012030 / GN8012040
PIN10060	950 x 550	GN1006025 / GN1006030 GN1006040
PIN10080	950 x 550	GN1008025 / GN1008030 GN1008040
PIN100100	950 x 950	GN10010030 / GN10010040
PIN100120	950 x 1.150	GN10012030 / GN10012040
PIN12060	1.150 x 550	GN1206025 / GN1206030 GN1206040
PIN12080	1.150 x 750	GN1208030 / GN1208040
PIN12090	1.150 x 850	GN1209030
PIN120100	1.150 x 950	GN12010030 / GN12010040
PIN120120	1.150 x 1.150	GN12012025 / GN12012030 GN12012040
PIN140100	1.350 x 950	GN14010030 / GN14010040

*In order to achieve the correct assembly of the INNER DOOR is necessary to request the Height Adjustment Element.
(see page 14)*

CANOPY ■



MADE OF:

Steel sheet painted RAL7035

Commercial Ref.	Dimensions (mm) (Width x Depth)	Cabinet Ref.
TEJ2015	210 x 174	GN252015 / GN302015
TEJ2515	260 x 174	GN252515 / GN302515
TEJ2520	260 x 224	GN302520
TEJ3015	310 x 174	GN303015 / GN403015 GN503015
TEJ3020	310 x 224	GN303020 / GN403020 GN503020
TEJ3025	310 x 274	GN503025
TEJ4015	410 x 174	GN304015 / GN404015 GN504015 / GN604015
TEJ4020	410 x 224	GN304020 / GN404020 GN504020 / GN604020 GN804020
TEJ4025	410 x 274	GN404025 / GN504025 GN604025 / GN804025
TEJ4030	410 x 324	GN504030 / GN504025 GN604030 / GN804030
TEJ5015	510 x 174	GN505015 / GN605015 GN705015
TEJ5020	510 x 224	GN505020 / GN605020 GN705020
TEJ5025	510 x 274	GN505025 / GN605025 GN705025
TEJ5030	510 x 324	GN505030 / GN605030
TEJ6020	610 x 224	GN406020 / GN606020 GN806020
TEJ6025	610 x 274	GN406025 / GN606025 GN806025 / GN1006025 GN1206025
TEJ6030	610 x 324	GN406030 / GN606030 GN806030 / GN1006030 GN1206030
TEJ6040	610 x 425	GN606040 / GN806040 GN1006040 / GN1206040
TEJ7020	710 x 224	GN507020
TEJ8020	810 x 224	GN808020
TEJ8025	810 x 274	GN808025 / GN1008025
TEJ8030	810 x 324	GN608030 / GN808030 GN1008030 / GN1208030
TEJ9030	910 x 309	GN1209030
TEJ10020	1.010 x 224	GN8010020
TEJ10030	1.010 x 324	GN8010030 / GN10010030 GN12010030 / GN14010030
TEJ10040	1.100 x 424	GN8010040 / GN10010040 GN12010040 / GN14010040
TEJ12025	1.210 x 274	GN12012025
TEJ12030	1.210 x 324	GN8012030 / GN12012030
TEJ12040	1.210 x 424	GN8012040 / GN10012040 GN12012040

ARGENTA customized solutions

CUSTOMIZED solutions

A DIFFERENT DESIGN TO SUIT ALL TYPES OF NEEDS

IDE offers the possibility of making metal enclosures which adapt to each installation. Its versatile manufacturing process allows producing any type of cabinet at very competitive prices and with very short lead times.

Sizes, shapes, drillings, colours, made with high quality materials that satisfy the technical and quality demand for the market.



CUT-OUTS ■

Cut-outs in case, door, mounting plate or cable gland lid, according to the needs of the installation



Possibility of making any size and shape cut-out: round, square, hexagonal...



COLOURS ■

Possibility of painting the cabinets in any colour of the RAL chart (check minimum quantities and delivery times)



The intellectual property of the design and drawings of the special cabinets belongs integrally to the customer who requested them. IDE has the obligation to maintain secrecy in this regard.

Glass



This series is made up of a series of cabinets manufactured in hot pressed polyester reinforced with fibre glass, halogen free, which gives the series a really high performance level.

There are IP66 cabinets, and are available in 7 different sizes, in RAL9002 grey colour. They are symmetric and reversible in many cases, thus obtaining a high degree of versatility for carrying all types of electric, pneumatic, hydraulic and communications installations, etc. The base is manufactured in just one piece thus guaranteeing optimum inner space and increasing its resistance to impact.

There are also cabinets which have an IP55 degree of protection (1000 (H) x 750 (W)), made in RAL7035 grey colour.

Its double insulation characteristics guarantee maximum safety both for the installations and for persons.

■ POLYESTER ENCLOSURES IP66-IP55



TECHNICAL DATA IP66

■ degree of protection	IP66
■ resistance to impact:	
opaque door:	IK10
transparent door:	IK08
■ range of temperature under normal conditions:	-50°C/+90°C
■ test of resistance to glow wire	960°C
■ thermic class	150°C
■ materials	Hot moulded fibreglass reinforced polyester (GRP)
■ colour	RAL 9002

*According to low tension directive 2006/95/CE
Norms: UNE-EN 62208 and UNE-EN 61439-1-3 (in the affected parts)*

TECHNICAL DATA IP55

■ degree of protection	IP55
■ resistance to impact	IK10
■ range of temperature under normal conditions:	-50°C/+90°C
■ test of resistance to glow wire	960°C
■ thermic class	150°C
■ materials	Hot moulded fibreglass reinforced polyester (GRP)
■ colour	RAL 7035

*According to low tension directive 2006/95/CE
Norms: UNE-EN 62208 and UNE-EN 61439-1-3 (in the affected parts)*

POLYESTER 66

BUILT-IN / SURROUNDING PROTECTION EDGE

- Guarantee the possibility to open the door 180° in built-in installations.
- Avoid entrance of water while opening the door.
- Guarantee that the cabinet is straight in comparison with the surface.



INTERNAL ZAMAK HINGE

- 180° door opening warranted. Corrosion free.

EASY FITTING

- Quick fixture guides in the back.
- Permits fitting without drilling.

VARIOUS CLOSING SYSTEMS

- Double bit (Standard), triangular screw and manual with key lock.



POLYESTER 55

TWO DEPTHS

- Available in two depths 300 and 420 mm.



INTERNAL HINGES

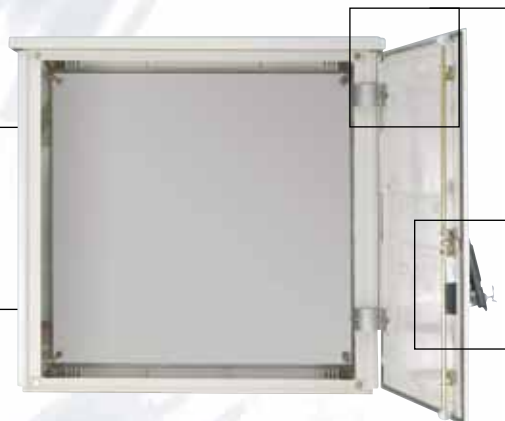
- The internal hinges allow the door to be opened 105°.

FASTENING SYSTEMS

- Several basic fastening methods can be used: wall, surface and with pedestal.

VARIOUS LOCKING SYSTEMS

- Swing handle, double bit key lock, with key or triangular.



■ IP66 POLYESTER CABINETS



■ OPAQUE DOOR CABINETS

Commercial Ref.	Dimensions (Height x Width x Depth)
POL302514	300x250x140
POL403020	400x300x200
POL404020	400x400x200
POL504020	500x400x200
POL604023	600x400x230
POL605023	600x500x230
POL806030	800x600x300



■ TRANSPARENT DOOR CABINETS

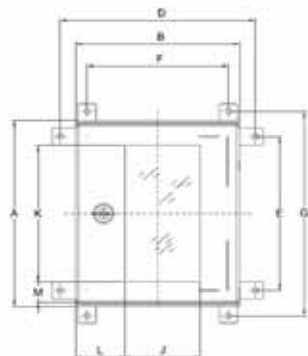
Commercial Ref.	Dimensions (Height x Width x Depth)
POL302514PT	300x250x140
POL403020PT	400x300x200
POL404020PT	400x400x200
POL504020PT	500x400x200
POL604023PT	600x400x230
POL605023PT	600x500x230
POL806030PT	800x600x300

IP66

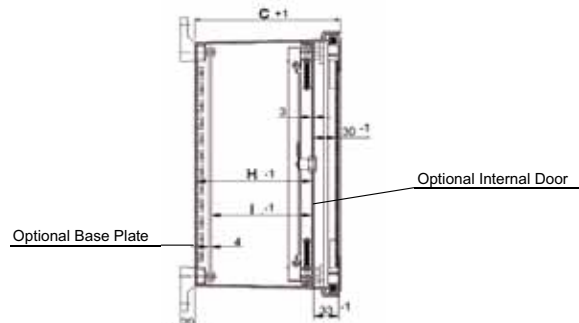
Supplied without the necessary accessories for direct wall mounting

DIMENSIONS ■

External Measures



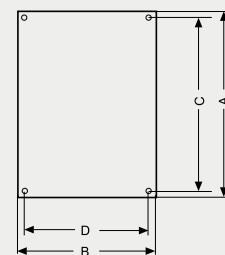
Internal Measures



	A	B	C	D	E	F	G	H	I	J	K	L	M
POL302514	300	250	140	297	248	215	330	-	-	115	220	75	35,5
POL403020	400	300	200	344	338	262	420	158	138	121	281	89,5	53
POL404020	400	400	200	444	338	362	420	158	138	221	281	89,5	53
POL504020	500	400	200	444	438	362	520	158	138	221	381	89,5	53
POL604023	600	400	230	444	538	362	620	187	167	221	481	89,5	53
POL605023	600	500	230	544	538	462	620	187	167	321	481	89,5	53
POL806030	800	600	300	640	734	558	816	257	237	421	681	89,5	53

PLATES DIMENSIONS ■

Polyester Ref.	Metal Ref.	Baquelite Ref.	A	B	C	D
PPL3025	PML3025	PBL3025	268	213	248	175
PPL4030	PML4030	PBL4030	358	260	338	222
PPL4040	PML4040	PBL4040	358	360	338	322
PPL5040	PML5040	PBL5040	458	360	438	322
PPL6040	PML6040	PBL6040	558	360	538	322
PPL6050	PML6050	PBL6050	558	460	538	422
PPL8060	PML8060	PBL8060	754	556	734	518



GLASS IP66 accessories

POLYESTER BASE PLATE

	Commercial Ref.		For Cabinet (Height x Width x Depth)
	PPL3025	4 mm thickness	300x250x140
	PPL4030	4 mm thickness	400x300x200
	PPL4040	4 mm thickness	400x400x200
	PPL5040	4 mm thickness	500x400x200
	PPL6040	4 mm thickness	600x400x230
	PPL6050	4 mm thickness	600x500x230
	PPL8060	4 mm thickness	800x600x300

METAL BASE PLATE

	Commercial Ref.		For Cabinet (Height x Width x Depth)
	PML3025	2 mm thickness	300x250x140
	PML4030	2 mm thickness	400x300x200
	PML4040	2 mm thickness	400x400x200
	PML5040	2 mm thickness	500x400x200
	PML6040	2 mm thickness	600x400x230
	PML6050	2 mm thickness	600x500x230
	PML8060	2 mm thickness	800x600x300

BAQUELITE BASE PLATE

	Commercial Ref.		For Cabinet (Height x Width x Depth)
	PBL3025	4 mm thickness	300x250x140
	PBL4030	4 mm thickness	400x300x200
	PBL4040	4 mm thickness	400x400x200
	PBL5040	4 mm thickness	500x400x200
	PBL6040	4 mm thickness	600x400x230
	PBL6050	4 mm thickness	600x500x230
	PBL8060	4 mm thickness	800x600x300

MODULAR CHASSIS

	Comprises a chassis, blind lids and DIN profiles			For Cabinet (Height x Width x Depth)
	Commercial Ref.	Modules	Rows	
	PCH4030	24	2x12	400x300x200
	PCH4040	36	2x18	400x400x200
	PCH5040	54	3x18	500x400x200
	PCH6040	54	3x18	600x400x230
	PCH6050	69	3x23	600x500x230
	PCH8060	116	4x29	800x600x300

INNER DOOR ■

	Commercial Ref.	For Cabinet (Height x Width x Depth)
	PPIN4030	400x300x200
	PPIN4040	400x400x200
	PPIN5040	500x400x200
	PPIN6040	600x400x230
	PPIN6050	600x500x230
	PPIN8060	800x600x300

SURFACE MOUNTING ■

	Commercial Ref.	
	29221	4 wall fixing set with head-insulated screws
	29222	4 set of adjustable brackets

ADJUSTABLE BASE PLATE ■

	Set of four profiles for the adjustment of the base plate, to different depths	
	Commercial Ref.	
	29223	For 200 mm depth cabinets
	29224	For 230 mm depth cabinets
	29225	For 300 mm depth cabinets

LOCKS ■

	Commercial Ref.	
	29229	Standard double bit lock
	29230	Triangular screw 11 mm
	29231	Manual with key lock
	29266	Zinc blockage lock
	48449	Double bit key

■ IP55 POLYESTER CABINETS



IP55

■ SINGLE DOOR WALL MOUNTING POLYESTER ENCLOSURES

Commercial Ref.	Dimensions (Height x Width x Depth)
DEPTH 300	
POL505030	510x500x312
POL755030	760x500x312
POL1005030	1010x500x312
POL1007530	1.010x750x312
POL1255030	1.260x500x312
POL1257530	1.260x750x312
DEPTH 420	
POL1007542	1.010x750x432
POL1257542	1.260x750x432



IP55

■ SINGLE DOOR WALL MOUNTING POLYESTER CABINET WITH BOTTOM OPEN

Commercial Ref.	Dimensions (Height x Width x Depth)
DEPTH 300	
POL505030/A	510x500x312
POL755030/A	760x500x312
POL1005030/A	1.010x500x312
POL1007530/A	1.010x750x312
POL1255030/A	1.260x500x312
POL1257530/A	1.260x750x312
DEPTH 420	
POL1007542/A	1.010x750x432
POL1257542/A	1.260x750x432



IP55

■ SINGLE DOOR WALL MOUNTING POLYESTER CABINET WITH OVERHANG CANOPY

Commercial Ref.	Dimensions (Height x Width x Depth)
DEPTH 300	
POL505030/T	510x500x312
POL755030/T	760x500x312
POL1005030/T	1.010x500x312
POL1007530/T	1.010x750x312
POL1255030/T	1.260x500x312
POL1257530/T	1.260x750x312
DEPTH 420	
POL1007542/T	1.010x750x432
POL1257542/T	1.260x750x432

BASE PLATE ■

■ FIXED BASE PLATE

Polyester Ref.

Metal Ref.

For Cabinet
(Height x Width)

PPL5050	PML5050	393x40
PPL7550	PML7550	750x500
PPL10050	PML10050	893x405
PPL10075	PML10075	1.000x750
PPL12550	PML12550	1143x405
PPL12575	PML12575	1.250x750

■ ADJUSTABLE PLATE PACK

Polyester Ref.

29235	Cabinet depth 300 mm
29236	Cabinet depth 420 mm

For the mounting plate, it is also needed to ask for the height adjustment kit accordingly to the depth of the cabinet.

POLYESTER PEDESTAL ■

 Painted in black	Commercial Ref.		For cabinet (Width x Depth)
	ZOC5030/P	60x500x300	500x300
	ZOC7530/P	60x750x300	750x300
	ZOC7542/P	60x750x420	750x420

SURFACE BRACKETS ■

	Commercial Ref.	
	29240	Group of 4 brackets made of Zinced Steel

LOCKS WITH SWING HANDLE ■

	Commercial Ref.	
	29241	Standard double-bit lock
	29242	Triangular screw 11 mm
	29243	Manual with key look
	48460	Double-bit zamak-key



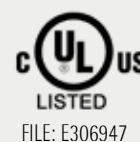
Tecno

■ IP65 METAL TERMINAL BOXES

The Techno series includes a set of metal terminal boxes suitable for control, derivation and distribution in industrial equipment. Their protection degree is IP65, made of high quality materials in cold-rolled steel and coated with hardened RAL7035 epoxy-polyester paint.

Available in a variety of sizes, with plain sides or with lids for cable entry. They have a quick screw locking system with sealed top to enhance the safety of the unit. The boxes have punched holes for wall attachment, with mounting plates of all sizes available as an accessory.

The enclosure design allows quick and easy access to the inside for installation and maintenance work, it provides flexibility for assembling equipment in the interior, such as mounting plates, attachment profiles, etc. This range is particularly appropriate to offer customized solutions where specific dimensions are required.



TECHNICAL DATA

■ degree of protection	IP65/NEMA 1, 12
■ resistance to impact	IK10
■ range of temperature under normal conditions	-25°C/+40°C
■ maximum operation voltage (Ue)	1000 V AC
■ materials	Cold-rolled steel sheeting
■ color	RAL 7035

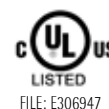
According to low tension directive 2006/95/CE

Norm: UNE-EN 62208

Certificate: UL508A. For special boxes check on UL certification.

The technical features described above are achieved using the components of the whole, and the accessories supplied by IDE, mounted and assembled according to the corresponding technical guidelines and instruction sheet.

■ IP65 BOXES WITH PLAIN SIDES



■ 95 mm DEPTH

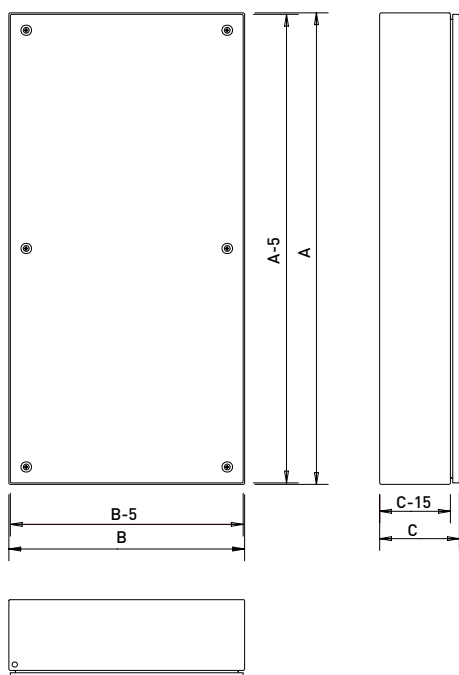


Commercial Ref.

Dimensions (A x B x C)

ELA151595	150 x 150 x 95
ELA201595	200 x 150 x 95
ELA202095	200 x 200 x 95
ELA301595	300 x 150 x 95
ELA302095	300 x 200 x 95
ELA402095	400 x 200 x 95

■ 135 mm DEPTH



Commercial Ref.

Dimensions (A x B x C)

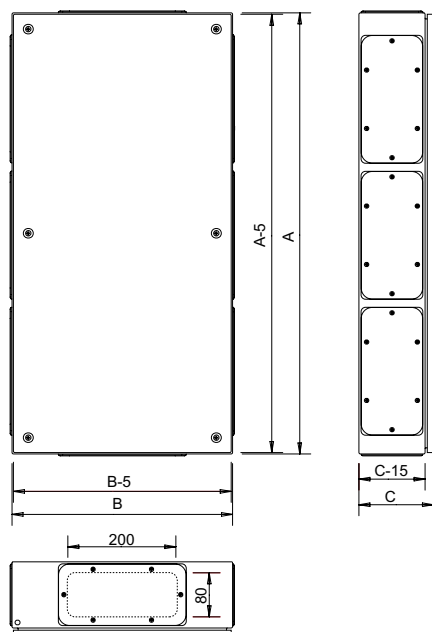
ELA1515135	150 x 150 x 135
ELA2015135	200 x 150 x 135
ELA2020135	200 x 200 x 135
ELA3015135	300 x 150 x 135
ELA3020135	300 x 200 x 135
ELA3030135	300 x 300 x 135
ELA4020135	400 x 200 x 135
ELA4030135	400 x 300 x 135
ELA4040135	400 x 400 x 135
ELA5020135	500 x 200 x 135
ELA5030135	500 x 300 x 135
ELA6020135	600 x 200 x 135

Dimensions in mm



IP65 BOXES WITH CABLE INPUT

135 mm DEPTH



Commercial Ref.	Dimensions (A x B x C)	A inputs	B inputs	Cable input sizes
EXA3015135	300 x 150 x 135	1	0	80 x 200
EXA3020135	300 x 200 x 135	1	0	80 x 200
EXA3030135	300 x 300 x 135	1	1	80 x 200
EXA4020135	400 x 200 x 135	1	0	80 x 200
EXA4030135	400 x 300 x 135	1	1	80 x 200
EXA4040135	400 x 400 x 135	1	1	80 x 200
EXA5020135	500 x 200 x 135	2	0	80 x 200
EXA5030135	500 x 300 x 135	2	1	80 x 200
EXA6020135	600 x 200 x 135	2	0	80 x 200
EXA6030135	600 x 300 x 135	2	1	80 x 200
EXA6040135	600 x 400 x 135	2	1	80 x 200
EXA8020135	800 x 200 x 135	3	0	80 x 200
EXA8040135	800 x 400 x 135	3	1	80 x 200

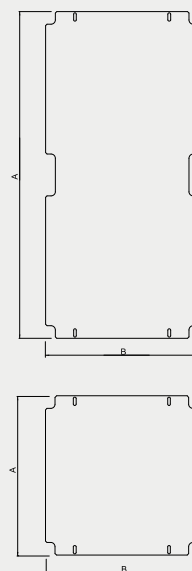
Dimensions in mm

For special boxes check on UL certification.

METAL PLATES



Commercial Ref.	Dimensions (A x B)	For Cabinet (A x B)
26300	130 x 115	150 x 150
26301	180 x 115	200 x 150
26303	180 x 165	200 x 200
26304	280 x 115	300 x 150
26305	280 x 165	300 x 200
26306	280 x 265	300 x 300
26309	380 x 165	400 x 200
26310	380 x 265	400 x 300
26311	380 x 365	400 x 400
26313	480 x 165	500 x 200
26314	480 x 265	500 x 300
26316	580 x 165	600 x 200
26317	580 x 265	600 x 300
26318	580 x 365	600 x 400
26321	780 x 165	800 x 200
26322	780 x 365	800 x 400



Dimensions in mm

WALL MOUNTING SUPPORT



Commercial Ref.

48423

Wall mounting support galvanized steel (4 pcs.)

technical FEATURES

PRODUCT RANGE

Two box versions with plain sides and with open sides with lid for cable input

Available in two depths: 95 and 135 mm

All versions have screw on lid via fast-locking screw with hermetic cap



CABLE ENTRY



The pre-punched boxes have 80x200 mm cable inputs

COVER

Totally flat cover permitting the placement of pilot lights, control elements or silkscreen printing of internal systems



The back side of the cover is coated with a rubber seal that guarantees the watertightness of the unit. It includes a M6x10 bolt for earth connection

BOLTS

The boxes are supplied with side and centre supports to fix plates and rails by M6x10 bolts



MOUNTING PLATES

Mounting plates supplied as accessories for all box sizes. The plates are manufactured in 2 mm galvanised sheet metal



LOCKING SYSTEM



The lid is fastened with fast jackscrews and watertight caps

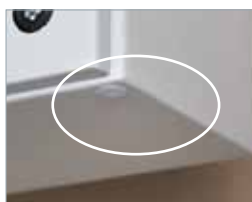
FASTENING FLANGES



Especially designed fastening flanges for a perfect fit between cover and case, guaranteeing the watertightness of the casing

DRAIN HOLE

The bottom of the case has a 9 mm drainage punch hole to prevent water from condensing on the inside





Roc

■ IP66 POLYESTER DOUBLE ISOLATION BOXES

Roc watertight boxes are made of reinforced polyester with fiber glass, insulating material that keeps installed switchgear perfectly isolated.

With a protection degree of IP66 they are available in two versions, with an opaque or transparent lid. Due to ROC's modular versatility it enables a multitude of different installation applications: configuration switchboards, measurement and protection, junction or centralized meters.

Destined for outdoor applications, in the tertiary or industrial sector, they can also be installed in aggressive atmosphere thanks to its high protection degree, and the non - hygroscopic material and the UV protection.



TECHNICAL DATA

■ degree of protection	IP66
■ resistance to impact	IK09
■ auto-extinguishing degree	960°C
■ range of temperature under normal conditions	-40°C/+100°C
Dielectric withstand	
■ (according to Norm IEC 243-1)	>150 Kv/cm
■ Isolation resistance (according to Norm EN62208)	3,3 Kv
■ Protection against contacts	Double isolation
■ Thermal Class	A 120°C

According to Low tension Directive 2006/95/CE.
Norms: UNE-EN 62208 & UNE-EN 61439-1.

■ IP66 POLYESTER



IP66 / IK09 / RAL7035

■ POLYESTER CASE-TOTAL TRANSPARENT POLYCARBONATE LID UV

Commercial Ref.	Modules	Dimensions (Height x Width x Depth)
ROC32PT	3x2	270 x 180 x 141
ROC32APT	3x2 <i>tall</i>	270 x 180 x 171
ROC33PT	3x3	270 x 270 x 171
ROC34PT	3x4	270 x 360 x 171
ROC34APT	3x4 <i>tall</i>	270 x 360 x 201
ROC42PT	4x2	360 x 180 x 171
ROC44PT	4x4	360 x 360 x 171
ROC44APT	4x4 <i>tall</i>	360 x 360 x 201
ROC63PT	6x3	540 x 270 x 171
ROC63APT	6x3 <i>tall</i>	540 x 270 x 201
ROC64PT	6x4	540 x 360 x 171
ROC64APT	6x4 <i>tall</i>	540 x 360 x 201
ROC66PT	6x6	540 x 540 x 171
ROC66APT	6x6 <i>tall</i>	540 x 540 x 201
ROC84PT	8x4	720 x 360 x 201
ROC86PT	8x6	720 x 540 x 201

1 module = 90 mm



IP66 / IK09 / RAL7035

■ POLYESTER CASE-OPAQUE POLYCARBONATE LID UV

Commercial Ref.	Modules	Dimensions (Height x Width x Depth)
ROC32PO	3x2	270x180x141
ROC32APO	3x2 <i>tall</i>	270x180x171
ROC33PO	3x3	270x270x171
ROC34PO	3x4	270x360x171
ROC34APO	3x4 <i>tall</i>	270x360x201
ROC42PO	4x2	360x180x171
ROC44PO	4x4	360x360x171
ROC44APO	4x4 <i>tall</i>	360x360x201
ROC63PO	6x3	540x270x171
ROC63APO	6x3 <i>tall</i>	540x270x201
ROC64PO	6x4	540x360x171
ROC64APO	6x4 <i>tall</i>	540x360x201
ROC66PO	6x6	540x540x171
ROC66APO	6x6 <i>tall</i>	540x540x201
ROC84PO	8x4	720x360x201
ROC86PO	8x6	720x540x201

1 module = 90 mm

POLYESTER MOUNTING PLATE ■

	Commercial Ref.	Plate dimension (Height x Width)	For box type	Thickness
	PPL32	220x130	ROC32	3 mm
	PPL33	220x220	ROC33	3 mm
	PPL34	220x310	ROC34	3 mm
	PPL42	310x130	ROC42	3 mm
	PPL44	310x310	ROC44	3 mm
	PPL63	490x220	ROC63	4 mm
	PPL64	490x310	ROC64	4 mm
	PPL66	490x490	ROC66	4 mm
	PPL84	670x310	ROC84	4 mm
	PPL86	670x490	ROC86	4 mm

BAKELITE MOUNTING PLATE ■

	Commercial Ref.	Plate dimension (Height x Width)	For box type	Thickness
	PBL32	220x130	ROC32	4 mm
	PBL33	220x220	ROC33	4 mm
	PBL34	220x310	ROC34	4 mm
	PBL42	310x130	ROC42	4 mm
	PBL44	310x310	ROC44	4 mm
	PBL63	490x220	ROC63	4 mm
	PBL64	490x310	ROC64	4 mm
	PBL66	490x490	ROC66	4 mm
	PBL84	670x310	ROC84	4 mm
	PBL86	670x490	ROC86	4 mm

METALLIC MOUNTING PLATE ■

	Commercial Ref.	Plate dimension (Height x Width)	For box type	Thickness
	PML32	220x130	ROC32	2 mm
	PML33	220x220	ROC33	2 mm
	PML34	220x310	ROC34	2 mm
	PML42	310x130	ROC42	2 mm
	PML44	310x310	ROC44	2 mm
	PML63	490x220	ROC63	2 mm
	PML64	490x310	ROC64	2 mm
	PML66	490x490	ROC66	2 mm
	PML84	670x310	ROC84	2 mm
	PML86	670x490	ROC86	2 mm

COUPLING FLANGES ■

	Commercial Ref.	Description
	29503	Coupling flange for depth B=270
	29504	Coupling flange for depth B=360

MATERIALS: Grey polycarbonate.
CHARACTERISTICS: For the coupling devices together. With seal gasket and all screws for its fixation.

■ LATERAL CLOSING COVER

	Commercial Ref.	Description
	29513	Closing cover for depth - B=270
	29514	Closing cover for depth - B=360
	MATERIALS: Grey polycarbonate. CHARACTERISTICS: Lateral closing covers. With seal gasket and all screws for its fixation.	

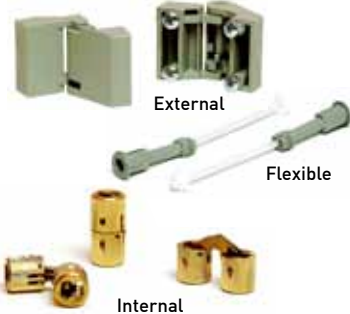
■ WALL FIXATION

	Commercial Ref.	Description
	29521	Wall mounting lugs
	29523	INOX wall mounting lugs
	29524	Mast attachment
	CHARACTERISTICS: Wall or mast fixation supports.	

■ VENT AND DRAIN DEVICES

	Commercial Ref.	Description
	29530	Drain device
	29531	Small ventilation device
	29532	Big ventilation device
	CHARACTERISTICS: they facilitate convective airflow inside the modules preventing from any condensation creation. Designed to prevent any insect or foreign bodies entrance.	

■ HINGES

	Commercial Ref.	Description
	29540	External hinges (2 units bag). Except to boxes 3x2 modules.
	29541	Flexible hinge for screwdriver
	29542	Manual flexible hinge
	29543	Articulated internal metallic hinges (2 units bag.)
	CHARACTERISTICS: For lateral opening of modules.	

■ ACCESSORIES FOR CABLES

	Commercial Ref.	Description
	29545	Cable box A 263/109
	29546	Cable box b 173/109
	29547	Bottle box

■ CLOSING SCREW

	Commercial Ref.	Description
	29550	Manual closing (4 units bag.)
	29551	Grey screwdriver closing (4 units bag.)
	29552	Blue screwdriver closing (4 units bag.)
	29553	Triangular closing (4 units bag.)
	MATERIALS: Polyamide. CHARACTERISTICS: Unmissable and sealable.	

technical FEATURES

LID

Available opaque or transparent polycarbonate lid:
Polycarbonate opaque lid in RAL 7035 grey.
Different kind of hinges models are also available as accessories, in order to convert the box into a cabinet.



Sealing screws for screwdriver use. Any other kind of closing screws are supplied as accessory: manual, grey screwdriver, blue screwdriver or triangular one.



CASE



The system is composed of modular boxes, whose height and width dimension are multiple of 90 mm.
They have removable m6 thread inserts for fixing of the back plates, switchgear, etc. they are also removable for recycling.

TOTAL FLEXIBILITY



Can be joined horizontally and vertically using brackets allowing multiple combinations and constructions.
It is possible to enlarge the boxes depth with tall lids.

FIXING SYSTEMS



Wall mounting fixation or mast attachment. (Fixing system supplied as accessories).





Argenta Plus

■ IP65-IP55 FLOOR-STANDING CABINETS

The Floor-Standing Cabinets of the Argenta-Plus series comprise a set of industrial metal enclosures designed to contain any type of electrical devices and equipment necessary for the supply, distribution and conversion of electricity, and suitable for control and automation equipment for industrial plants and machine tools.

This range of cabinets has been designed for maximum versatility, so that the installer can implement their own arrangements depending on their needs. Functionality is high thanks to the various possibilities for linking cabinets together, the possibility of installing any type of electrical devices, and the complete range of accessories available for this series.

Intended for the most professional sector, the range is available in two versions: COMBINABLE, supplied ready-assembled, and COMPACT. Both are available in opaque-and transparent-door versions. They are made from high-quality materials, in cold-rolled steel sheeting, achieving a maximum protection degree IP65, and a height of up to 2.200 mm.

TECHNICAL DATA

- degree of protection - compact cabinets single-door* - compact cabinets double-door - combinable cabinets	IP65/NEMA 1, 12, 4 IP55/NEMA 1, 12 IP55/NEMA 1, 12
- resistance to impact - opaque door: - transparent door:	IK10 IK09
range of temperature under normal conditions	-25°C/+40°C
maximum operation voltage (Ue)	1000 V AC
materials	Cold-rolled steel sheeting
colour	RAL 7035

According to low tension directive 2006/95/CE

Norms: UNE-EN 62208 and UNE-EN 61439-1 (in the affected parts)

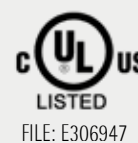
Certificate: UL508A. For special cabinets check on UL certification.

* To achieve IP65 it's necessary to add isolation kit 48690

The technical features described above are achieved using the components of the whole, and the accessories supplied by IDE, mounted and assembled according to the corresponding technical guidelines and instruction sheets.



technical FEATURES



■ PRODUCT RANGE:

- IP65-IP55 **Compact** Cabinets (BIG)
- IP65-IP55 **Semi-Compact** Cabinets (FSC)
- IP55 Combinable Cabinets supplied **ready-assembled** (ENL)

■ SIZES AVAILABLE:

- **Height:** 1.650 - 1.800 - 2.000 - 2.200 mm
- **Width:** 600 - 800 - 1.000 - 1.200 - 1.600 mm
- **Depth:** 400 - 500 - 600 - 800 mm

■ MATERIALS:

- **CASE:** 1,5 mm cold-rolled steel sheeting, RAL 7035
- **BACK PANEL, TOP & BOTTOM COVERS:** 1,5 mm cold-rolled steel sheeting. The back panel is covered with a gasket which guarantees IP55-IP65 protection degree
- **SIDE PANELS:** 1,5 mm cold-rolled steel sheeting, (for combinable cabinets)
- **OPAQUE DOORS:** 2 mm cold-rolled steel sheeting
- **TRANSPARENT DOORS:** 4 mm tempered glass
- **HINGES, LOCKS & RETAINERS:** Strengthened Zamak
- **MOUNTING PLATES:** 3 mm galvanised sheeting, strengthened by fold

MOUNTING PLATES

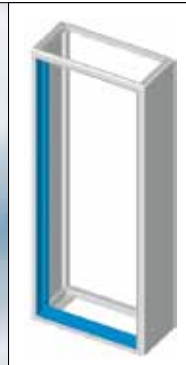


- Made in 3 mm sheeting, strengthened by folds.
- Types of plate available:
 - Complete flat
 - Partial flat
 - Partial slotted
 - Linking for combinable cabinets
 - Separating for combinable cabinets

MODULAR FRAME



- Needed for attaching DIN rail adjustment components & front covers
- For enclosures from 600 to 1000 mm width, it can be installed the modular chassis plus 200 mm width divisional column.
- For enclosures from 1000 to 1200 mm width, it can be installed the modular chassis plus 400 mm width divisional door.



PLINTH



- Supplied as accessory. Corners and front and rear cover are supplied in one batch, and side panels in another
- Available in two heights: 100 mm, 200 mm
- The 200 mm plinth can also be supplied with a 100+100 cover

MODULAR COVERS



- Supplied as accessories. Available in the following versions:
 - Modular hinged
 - Blank hinged
 - Modular fixed
 - Blank fixed
- Joined to cabinet frame by M6 cage nut and M6x10 anti-twist bolts



technical FEATURES

TRUNKING SUPPORT

- Space for vertical trunking up to 60x60 mm
- DIN rail capacity:
 - 23-24 modules for 600 mm wide covers
 - 33-34 modules for 800 mm wide covers
 - 42 modules for 1000 mm wide covers
- Inter-combinable vertical and horizontal trunking supports
- Two fastening positions for horizontal trunking for separation between DIN rails of 150 or 200 mm



HORIZONTALS PROFILES

- To attach partial plates or other electrical accessories at various depths



Profile for frame



Interior partition profile



Possibility to install the profiles in every direction and position as to form internal structures

DIN RAIL

- Adjustable distance, allowing any type of electrical devices to be installed
- Assembly supports and DIN rail, flat or slotted, supplied separately



DOORS



- Available in opaque and transparent versions
- Opaque version made in 2 mm sheeting with reinforcement profiles
- Transparent version in 4 mm tempered glass
- All doors reversible
- 120° door opening

REINFORCEMENT PROFILES

Installed on opaque doors. Provide rigidity and allow electrical devices to be attached



ACCESSORIES



PC tray

technical FEATURES

LOCKS

- Standard four-point, 1/4-turn lock, double-bit insert, with retractable handle in grey RAL 7016
- Other locks can be supplied as accessories



Triangular insert lock plus triangular key



Keyless pressure insert lock



Safety insert lock with key

DOOR HINGES & RETAINERS

Hinge made in strengthened Zamak, allowing 120° opening



Single door retainer made in strengthened Zamak



Double door retainer



COMPACT CABINETS (BIG) ■

CASE ■



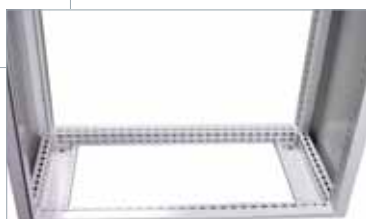
- Single piece cabinet's body with a front removable panel. Manufactured in 1,5 mm thickness sheet and provided with sealing ring to guarantee the IP protection degree.
- Four profiles on the corners fixed to the enclosure with nut bolts which give the cabinet a great robustness.

SEMI-COMPACT CABINETS ■

CASE ■



- Single-component, welded and consisting of:
 - Closed sides in 1,5 mm sheeting
 - External profiles which have a tubular structure, making the cabinet highly resistant
 - Metal pieces welded inside the structure of the cabinet to support lifting eye bolts at the top and secure the base at the bottom



REAR PANEL ■



- Made in 1,5 mm sheeting
- Gasket guarantees IP65 protection
- Reversible and replaceable via one door
- Attached by countersunk screws

TOP COVER ■

- Made in 1,5 mm sheeting
- Gasket guarantees IP65 protection
- Includes M8 bolts for earth connection
- Supplied with two eyebolts for easy lifting



■ DOORS FOR COMPACT CABINET



- Available in opaque & transparent versions
- Opaque version made in 2 mm sheeting with reinforcement profiles which ensure high rigidity and allow accessories to be attached to the door
- Transparent version in 4 mm tempered glass
- Double doors for 1.000 and 1.200 mm cabinets, opaque or transparent
- All doors reversible
- Standard four-point, 1/4-turn lock with retractable handle in strengthened Zamak

■ CABLE ENTRY COVER

- Adjustable, interchangeable covers
- Lids of 100 and 200 mm depending on the depth of the cabinet



■ DOUBLE DOORS FOR COMPACT CABINET



- OPAQUE DOUBLE-DOOR CABINETS WITH DOUBLE INTERNAL LOCK
 - Double door for 1.000 and 1.200 mm-width cabinets
 - 1.000 mm door: 500 mm opaque door + 500 mm opaque door
 - 1.200 mm door: 600 mm opaque door + 600 mm opaque door
- TRANSPARENT DOUBLE-DOOR CABINETS WITH DOUBLE INTERNAL LOCK
 - Double door for 1.000 & 1.200 mm-width cabinets
 - 1.000 mm door: 600 mm transparent door + 400 mm opaque door
 - 1.200 mm door: 800 mm transparent door + 400 mm opaque door

READY-ASSEMBLED COMBINABLE CABINETS ■

Combinable cabinets can be supplied ready-assembled in the following versions:

- Opaque door without plate
- Transparent door without plate

Supplied without side panels. Side panels must therefore be requested apart.



DOUBLE DOOR FOR COMBINABLE CABINETS ■



■ TRANSPARENT DOUBLE-DOOR CABINETS WITH DOUBLE INTERNAL LOCK

Door for 1.000 & 1.200 mm-width cabinets

1.000 mm door: 600 mm transparent door + 400 mm opaque door

1.200 mm door: 800 mm transparent door + 400 mm opaque door

■ OPAQUE DOUBLE-DOOR CABINETS WITH DOUBLE INTERNAL LOCK

Double door for 1.000, 1.200 and 1.600 mm-width cabinets

1.000 mm door: 500 mm opaque door + 500 mm opaque door

1.200 mm door: 600 mm opaque door + 600 mm opaque door

1.600 mm door: 800 mm opaque door + 800 mm opaque door

■ LINKING SYSTEM FOR COMBINABLE CABINETS



VARIOUS POSSIBILITIES for linking combinable cabinets, achieving high-capacity structures at the height of any electrical installation



INTERNAL LINKING COMPONENTS supplied as accessories. Items made in 3 mm steel which, joined to the cabinet, guarantee absolute robustness of the structure



JOINING AND LIFTING SYSTEM for combinable cabinets, supplied as an accessory. Cabinets have additional reinforcement at the points of the structure which will support strains from transport



CORNER MODULES ■

APPLICATION ■

The corner module is ideal for linking cabinets where space is limited



STRUCTURE ■

The corner module consists of the following components:

- 1 structural frame
- 1 top cover
- 1 rear panel
- Adjustable cable input covers
- Screws and assembly fittings



SIZES ■

Available from 1.800x400x400 to 2.000x800x800



■ AUXILIARY MODULE



■ APPLICATION

The auxiliary module allows to create an area within the structure, especially designed for placing bus-bars vertically or small input switches



■ SIZES

The auxiliary module has a width of 300 or 400 mm and is available from 1.800x300x400 to 2.000x300x800 or from 1.800x400x400 to 2.000x400x800 for all possible dimensions of combined cabinets

■ ACCESSORIES

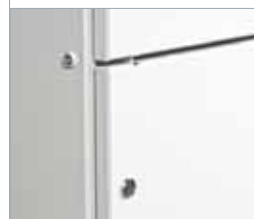
FRONT COVERS

The front door covers close the front of the auxiliary module. They are available in different sizes for installing different size sections and for partially or totally opening the front

■ CONTROL CABINET PC



Includes:
Monitor tray 19"
Retractable keyboard tray to support mouse left or right



Computer equipment
not included

SWING FRAME ■



19" Swing frame available:

- 1.800 mm: 36 U
- 2.000 mm: 40 U
- 2.200 mm: 45 U



Reversible frame, opens right or left, with maximum opening of 180°. Retainer to secure the chassis frame in the open position, as standard



Protective cover built into the unit to cover the extra space for placing control and signalling components

Pressure insert lock as standard with other types of inserts available as accessories



Steel axis-hinge system to ensure the stability of the swing rack when fully loaded

■ FIXED FRAME

19" Fixed frame available for cabinets:

- 1.800 mm: 39 U
- 2.000 mm: 43 U
- 2.200 mm: 48 U

The unit is supplied fully assembled. Each of the following items must be ordered individually:

CABINET (pages 66-67) +
SIDE PANELS (page 68) +
FIXED FRAME PROFILE (page 81) +
FIXING BRACKETS * (page 81) +
FINISHING LIDS (page 81) +
ASSEMBLY PROFILES (page 78)

** Only for 800 mm cabinet width. For cabinets of 600 mm the frame is fixed directly with profiles*



Highly robust, strong supports. Can be clipped on to the finishing lids



High strength 3-fold profile. Punched at the front and side of the cabinet for 19" units

Finishing lids to cover the side wiring, attached with clips to the profile supports



ENCLOSURE FOR BUS-BARS SYSTEM ■

- This accessory is designed to install the bus-bars system inside and out of the enclosure itself, where the available space is optimised at the maximum
- It can be placed on the top or at the bottom of the enclosure. All its components are reversible, which makes the installation easy and quick



COMPONENTS:

- Welded structure composed of profiles and corners
- 2 panels + 4 supports
- Corner joining kit (48112)
- Assembly screws



SLIDEWAY ■



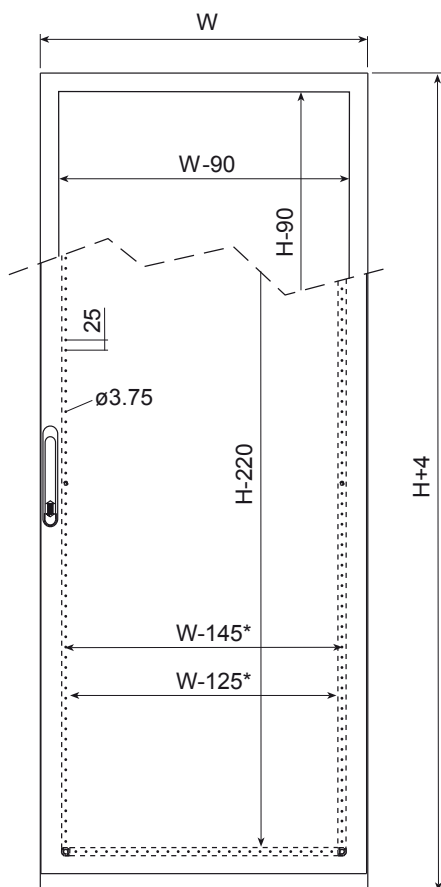
It enables to link the mounting plates, obtaining a strong structure which eases the assembling and the total use of the mounting plate surface.

The guide allows installing the mounting plate already assembled and to move it easily to the position desired.

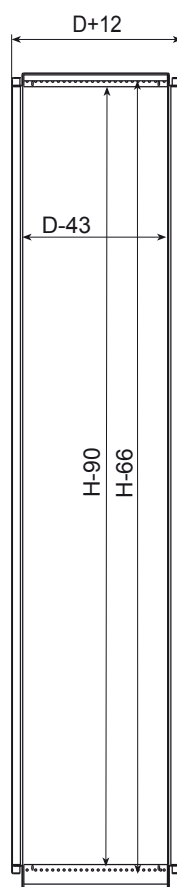
Once the mounting plate is placed in the desired position, it's fixed with special screws which prevent it from moving due to the vibration of the switchgear installed.

■ IP65 SINGLE-DOOR COMPACT CABINETS (BIG)

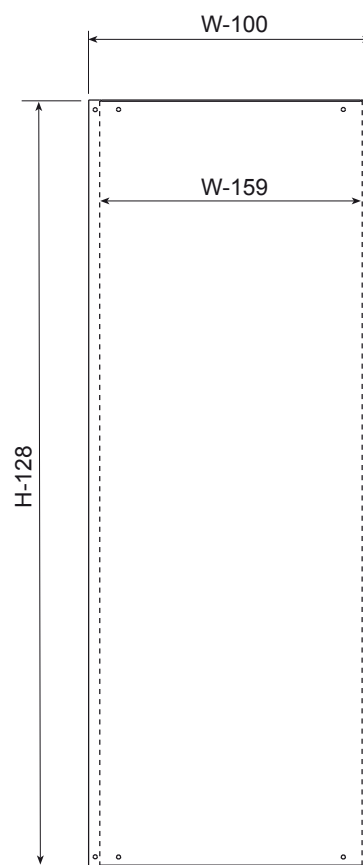
Front



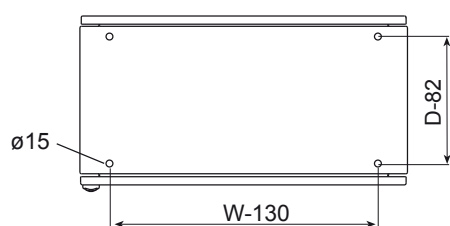
Side section



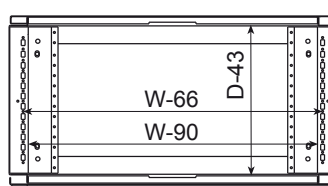
Mounting plate



Ground plan



Ground plan section



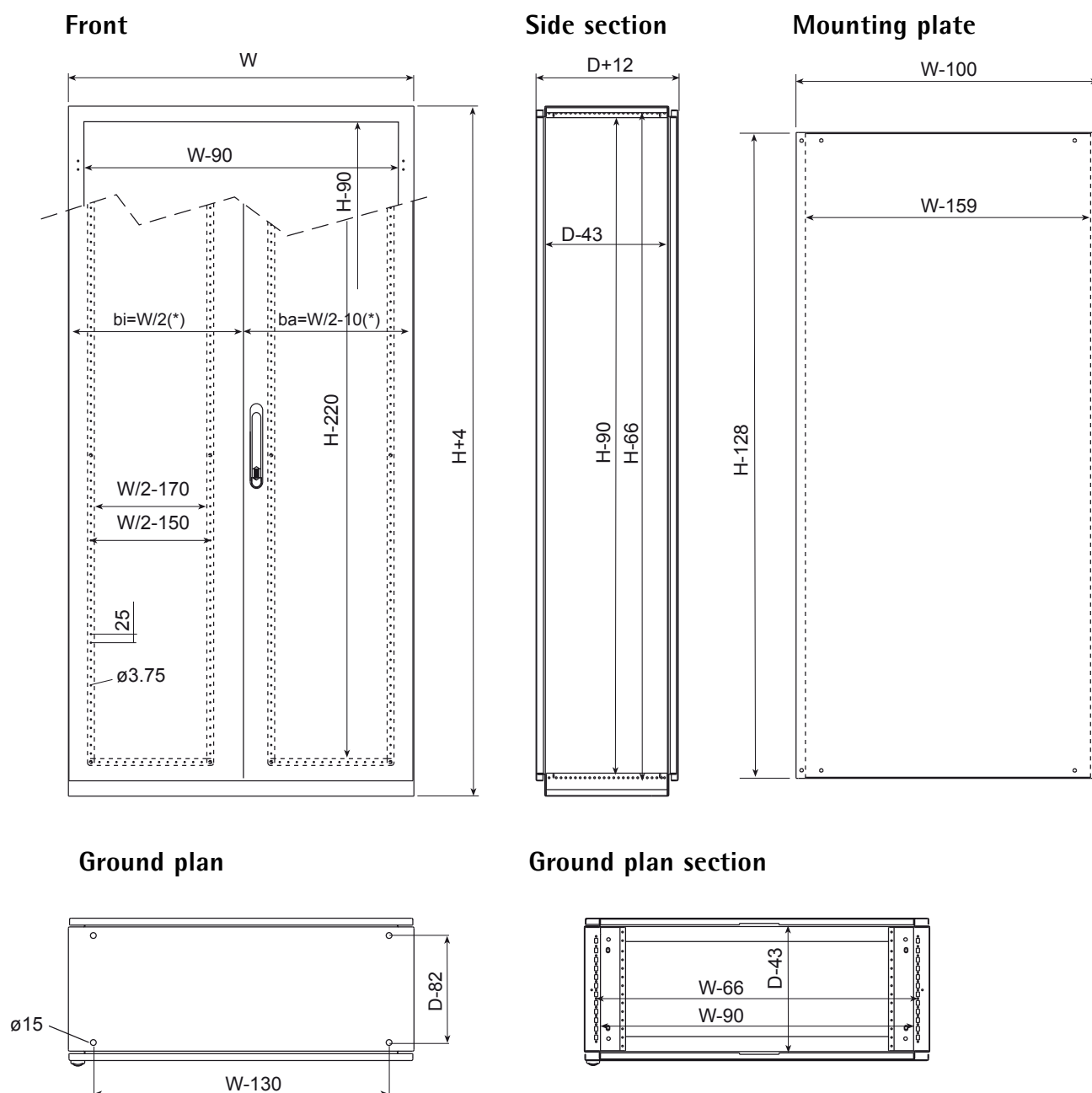
(*) For W=600, change to W-170
W-150

H	W	D	H	W	D	H	W	D
1.650	600	400	1.800	600	400	2.000	600	400
	800			800			800	
	1.000			1.000			1.000	
			1.800	800	500	2.000	800	500
				1.000			800	
							1.000	

Height(H) x Width(W) x Depth(D). Dimensions in mm

dimensions ARGENTA PLUS

IP55 DOUBLE-DOOR COMPACT CABINETS (BIG) ■



(*) For asymmetrical doors W=1000, wi=400, wa=590
W=1200, wi=400, wa=790

H	W	D	H	W	D	H	W	D
1.650	1.000	400	1.800	1.000	400	2.000	1.000	400
	1.200			1.200			1.200	
			1.800	1.000	500	2.000	1.000	500
				1.200			1.200	

Height(H) x Width(W) x Depth(D). Dimensions in mm

■ IP65 SINGLE-DOOR COMPACT CABINETS (BIG)

■ IP65 OPAQUE SINGLE-DOOR CABINETS WITH PLATE



Commercial Ref.

Dimensions (Height x Width x Depth)

BIG1656040PO	1.650	600	400
BIG1658040PO	1.650	800	400
BIG16510040PO	1.650	1.000	400
BIG1806040PO	1.800	600	400
BIG1808040PO	1.800	800	400
BIG1808050PO	1.800	800	500
BIG18010040PO	1.800	1.000	400
BIG18010050PO	1.800	1.000	500
BIG2006040PO	2.000	600	400
BIG2008040PO	2.000	800	400
BIG2008050PO	2.000	800	500
BIG20010040PO	2.000	1.000	400
BIG20010050PO	2.000	1.000	500

ISOLATION KIT

Commercial Ref.

48690	IP65 Isolation kit
-------	--------------------

IP65 / NEMA 1, 12, 4

To achieve IP65 / NEMA 1, 12, 4 it's necessary to add isolation kit 48690

MOUNTING PLATE AND LID FOR CABLE ENTRIES INCLUDED
SEE DIMENSIONS ON PAGES 56-57

IP55 DOUBLE-DOOR COMPACT CABINETS (BIG) ■

■ IP55 OPAQUE DOUBLE-DOOR CABINETS WITH PLATE



Commercial Ref.

Dimensions (Height x Width x Depth)

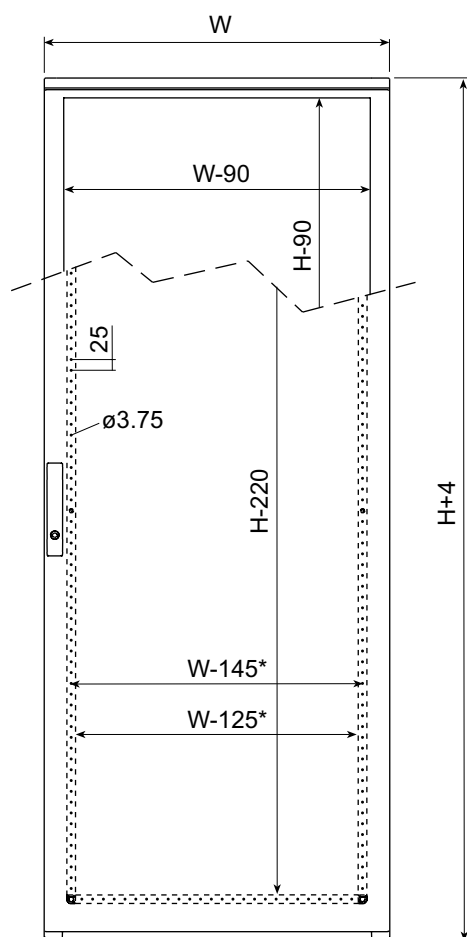
BIG16510040POD	1.650	1.000	400
BIG16512040POD	1.650	1.200	400
BIG18010040POD	1.800	1.000	400
BIG18010050POD	1.800	1.000	500
BIG18012040POD	1.800	1.200	400
BIG18012050POD	1.800	1.200	500
BIG20010040POD	2.000	1.000	400
BIG20010050POD	2.000	1.000	500
BIG20012040POD	2.000	1.200	400
BIG20012050POD	2.000	1.200	500

To achieve IP55 / NEMA 1, 12 it's necessary to set a double internal lock.
(H=1650 Ref.: 48483; H=1800 Ref.: 48484; H=2000 Ref.: 48485)

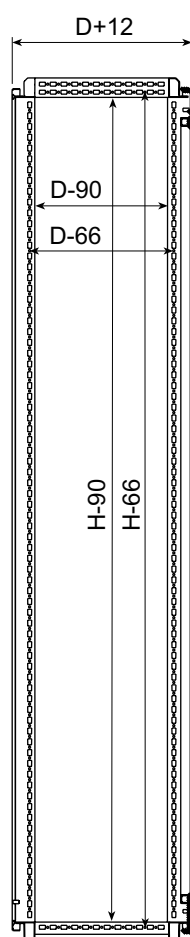
MOUNTING PLATE AND LID FOR CABLE ENTRIES INCLUDED
SEE DIMENSIONS ON PAGES 56-57

■ IP65 SINGLE-DOOR SEMI-COMPACT CABINETS (FSC)

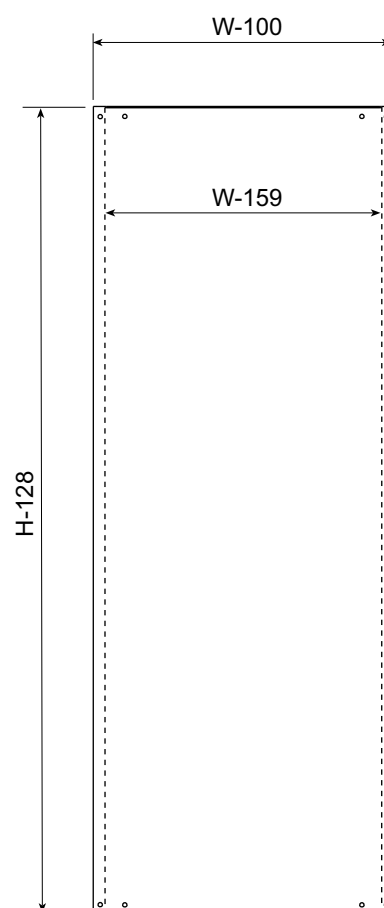
Front



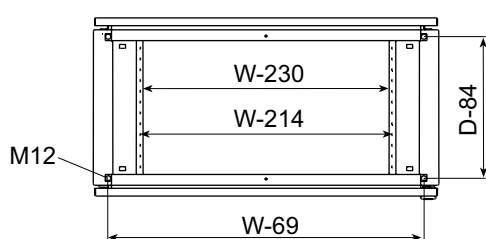
Side section



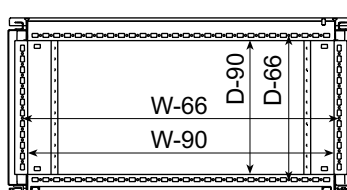
Mounting plate



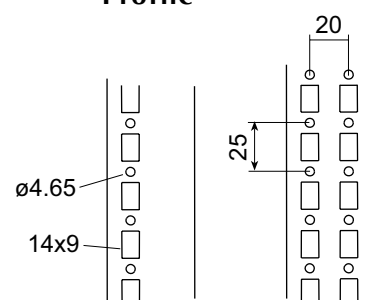
Ground plan



Ground plan section



Profile

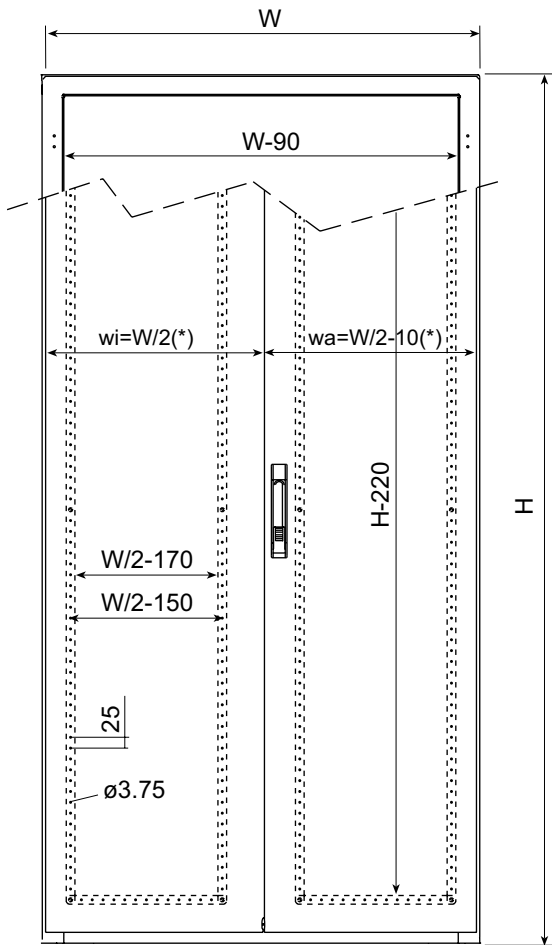


(*) For W=600, change to W-170
W-150

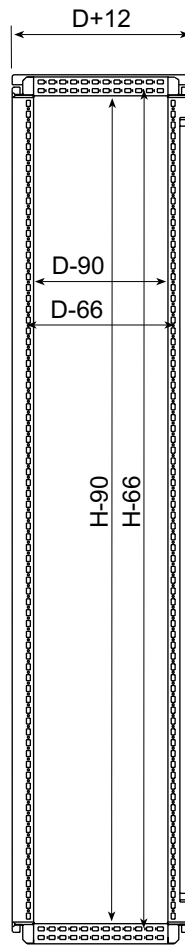
H	W	D	H	W	D	H	W	D
1.650	600	400	1.800	600	400	2.000	600	400
	800			800			800	
	1.000			1.000			1.000	
			1.800	800	500	2.000	800	500
				1.000			1.000	

IP55 DOUBLE-DOOR SEMI-COMPACT CABINETS (FSC) ■

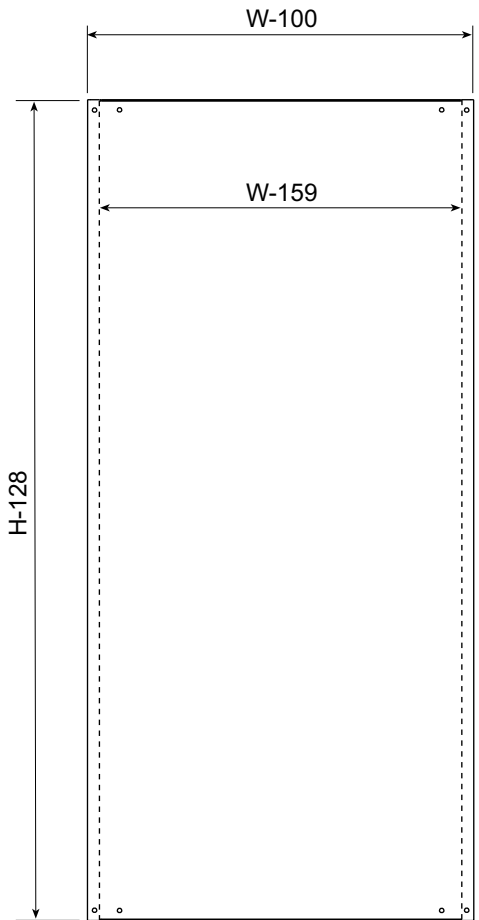
Front



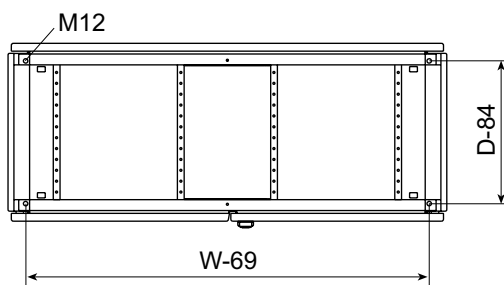
Side section



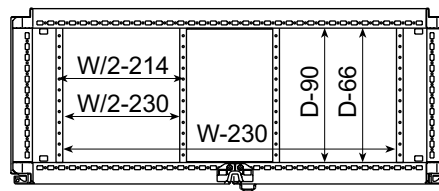
Mounting plate



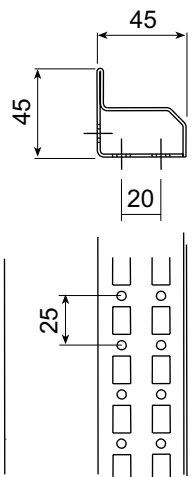
Ground plan



Ground plan section



Profile



(*) For asymmetrical doors $W=1000$, $w_i=400$, $w_a=590$
 $W=1200$, $w_i=400$, $w_a=790$

H	W	D	H	W	D	H	W	D
1.650	1.000	400	1.800	1.000	400	2.000	1.000	400
	1.200			1.200			1.200	
			1.800	1.000	500	2.000	1.000	500
				1.200			1.200	

Height(H) x Width(W) x Depth(D). Dimensions in mm

■ IP65-IP55 SEMI-COMPACT CABINETS (FSC)



■ IP65 OPAQUE SINGLE-DOOR CABINETS WITH NO PLATE



PLINTH SUPPLIED AS AN ACCESSORY

Commercial Ref.

Dimensions
(Height x Width x Depth)

FSC1656040PO/SP	1.650	600	400
FSC1658040PO/SP	1.650	800	400
FSC16510040PO/SP	1.650	1.000	400
FSC1806040PO/SP	1.800	600	400
FSC1808040PO/SP	1.800	800	400
FSC1808050PO/SP	1.800	800	500
FSC18010040PO/SP	1.800	1.000	400
FSC18010050PO/SP	1.800	1.000	500
FSC2006040PO/SP	2.000	600	400
FSC2008040PO/SP	2.000	800	400
FSC2008050PO/SP	2.000	800	500
FSC20010040PO/SP	2.000	1.000	400
FSC20010050PO/SP	2.000	1.000	500

ISOLATION KIT

Commercial Ref.

48690

IP65 Isolation kit

IP65 / NEMA 1, 12, 4

To achieve IP65 / NEMA 1, 12, 4 it's necessary to add isolation kit 48690

■ IP55 OPAQUE DOUBLE-DOOR CABINETS WITH NO PLATE



Commercial Ref.

Dimensions
(Height x Width x Depth)

FSC16510040PO/DC	1.650	1.000	400
FSC16512040PO/DC	1.650	1.200	400
FSC18010040PO/DC	1.800	1.000	400
FSC18010050PO/DC	1.800	1.000	500
FSC18012040PO/DC	1.800	1.200	400
FSC18012050PO/DC	1.800	1.200	500
FSC20010040PO/DC	2.000	1.000	400
FSC20010050PO/DC	2.000	1.000	500
FSC20012040PO/DC	2.000	1.200	400
FSC20012050PO/DC	2.000	1.200	500
FSC20016040PO/DC	2.000	1.600	400
FSC20016050PO/DC	2.000	1.200	500

IP55 / NEMA 1, 12

WITH ELEVATION EYEBOLTS AND CABLE ENTRY COVER INCLUDED
THESE CODES DON'T INCLUDE THE MOUNTING PLATE, SEE MOUNTING PLATES ON PAGE 68,
SEE DIMENSIONS ON PAGES 60-61



IP65-IP55 SEMI-COMPACT CABINETS (FSC) ■

■ IP65 TRANSPARENT SINGLE-DOOR CABINETS WITH NO PLATE



Commercial Ref.

	Dimensions (Height x Width x Depth)		
FSC1656040PT/SP	1.650	600	400
FSC1658040PT/SP	1.650	800	400
FSC1806040PT/SP	1.800	600	400
FSC1808040PT/SP	1.800	800	400
FSC1808050PT/SP	1.800	800	500
FSC2006040PT/SP	2.000	600	400
FSC2008040PT/SP	2.000	800	400
FSC2008050PT/SP	2.000	800	500

ISOLATION KIT

Commercial Ref.

48690	IP65 Isolation kit
-------	--------------------

IP65 / NEMA 1, 12, 4

To achieve IP65 / NEMA 1, 12, 4 it's necessary to add isolation kit 48690

■ IP55 TRANSPARENT DOUBLE-DOOR CABINETS WITH NO PLATE



Commercial Ref.

	Dimensions (Height x Width x Depth)		
FSC16510040PT/DC	1.650	1.000	400
FSC16512040PT/DC	1.650	1.200	400
FSC18010040PT/DC	1.800	1.000	400
FSC18010050PT/DC	1.800	1.000	500
FSC18012040PT/DC	1.800	1.200	400
FSC18012050PT/DC	1.800	1.200	500
FSC20010040PT/DC	2.000	1.000	400
FSC20010050PT/DC	2.000	1.000	500
FSC20012040PT/DC	2.000	1.200	400
FSC20012050PT/DC	2.000	1.200	500

IP55 / NEMA 1, 12

Door 1000: PT600 + PO400

Door 1200: PT800 + PO400

WITH ELEVATION EYEBOLTS AND CABLE ENTRY COVER INCLUDED

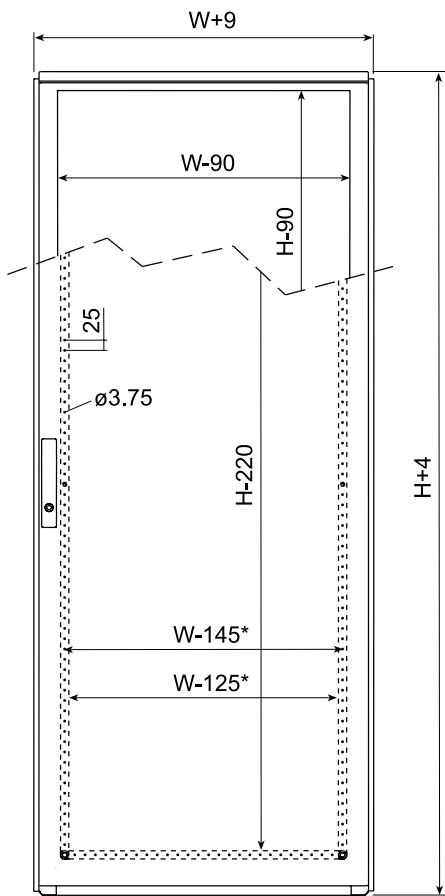
THESE CODES DON'T INCLUDE THE MOUNTING PLATE. SEE MOUNTING PLATES ON PAGE 68

SEE DIMENSIONS ON PAGES 60-61

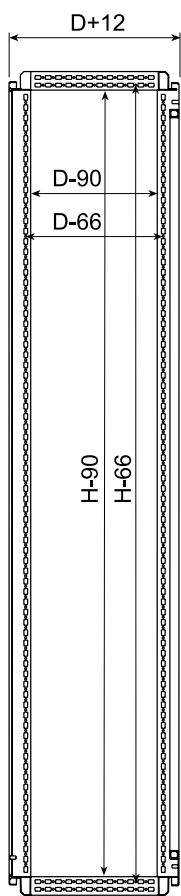
FOR SPECIAL CABINETS CHECK ON UL CERTIFICATION.

■ IP55 SINGLE-DOOR COMBINABLE CABINETS (ENL)

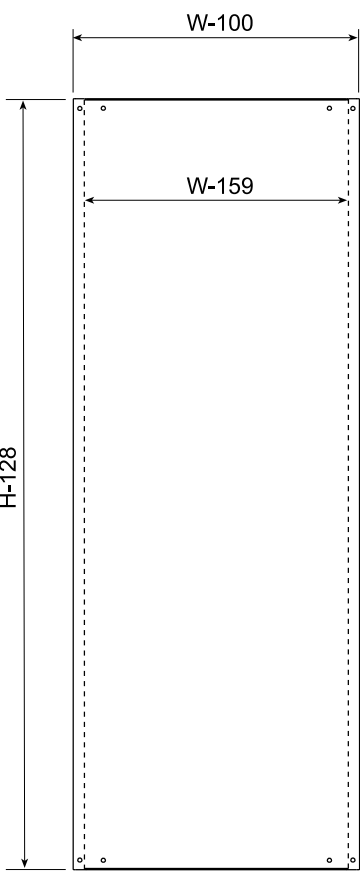
Front



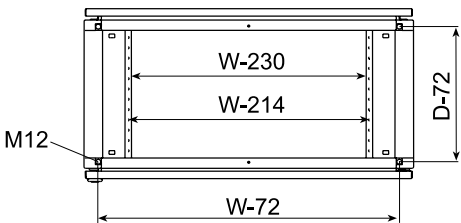
Side section



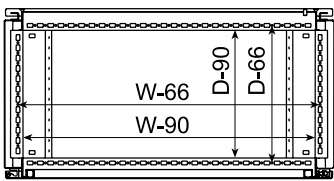
Mounting plate



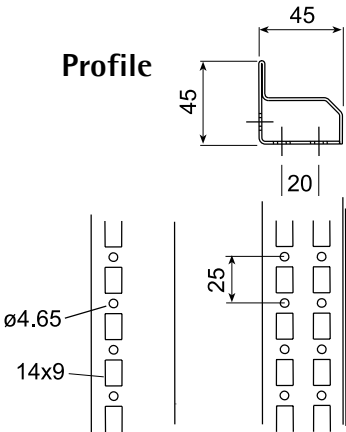
Ground plan



Ground plan section



Profile



(*) For W=600, change to W-170
W-150

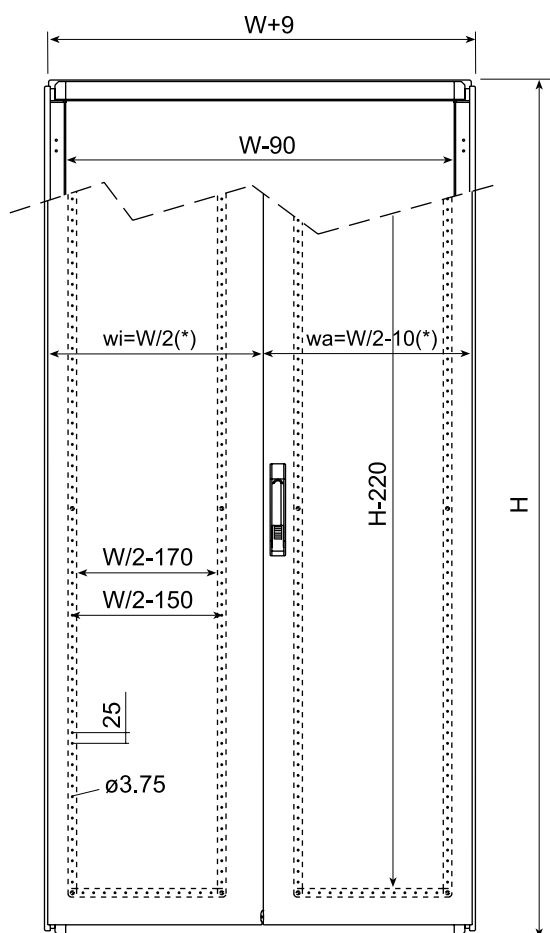
H	W	D	H	W	D	H	W	D
1.800	600	400	2.000	600	400	2.200	800	600
		500			500			
		600			600			
	800	400		800	400			800
		500			500			
		600			600			
	1.000	400		1.000	400			
		500			500			
		600			600			
					800			

Height(H) x Width(W) x Depth(D).
Dimensions in mm

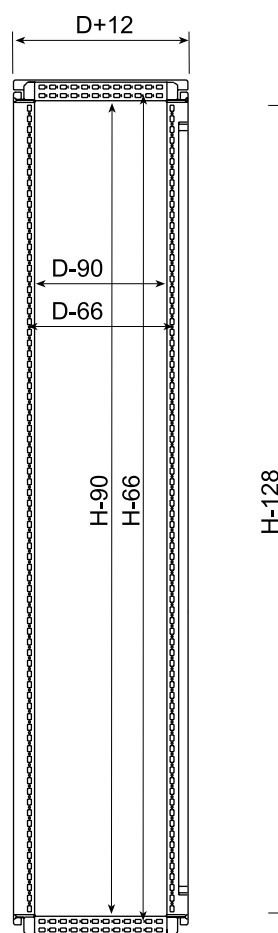
dimensions ARGENTA PLUS

IP55 DOUBLE-DOOR COMBINABLE CABINETS (ENL) ■

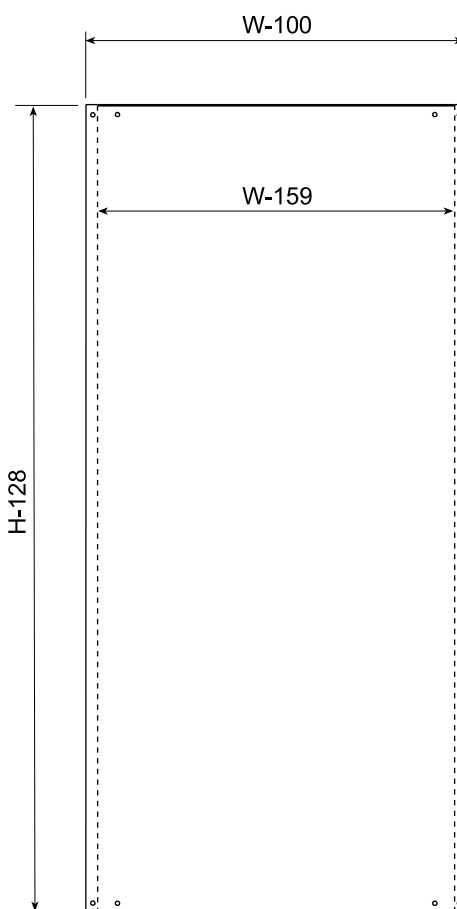
Front



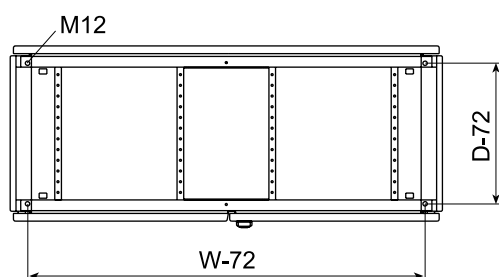
Side section



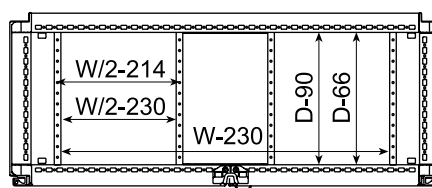
Mounting plate



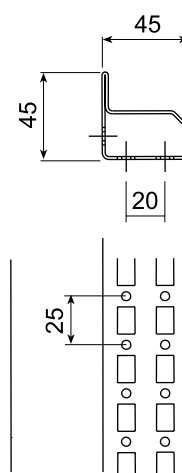
Ground plan



Ground plan section



Profile



(*) For asymmetrical doors $W=1000$, $wi=400$, $wa=590$
 $W=1200$, $wi=400$, $wa=790$

H	W	D	H	W	D
1.800	1.000	400	2.000	1.000	400
		500			500
		600			600
	1.200	800		1.200	800
		400			400
		500			500
		600			600
	1.600	800		1.600	800
		400			400
		500			500

Height(H) x Width(W) x Depth(D).
 Dimensions in mm

■ IP55 READY-ASSEMBLED COMBINABLE CABINETS (ENL)

FILE: E306947

■ OPAQUE SINGLE-DOOR CABINETS WITH NO PLATE



PLINTH SUPPLIED AS
AN ACCESSORY

Commercial Ref.	Dimensions (Height x Width x Depth)		
ENL1656050PO/SP	1.650	600	500
ENL1656060PO/SP	1.650	600	600
ENL1658050PO/SP	1.650	800	500
ENL1658060PO/SP	1.650	800	600
ENL16510050PO/SP	1.650	1.000	500
ENL16510060PO/SP	1.650	1.000	600
ENL1806040PO/SP	1.800	600	400
ENL1806050PO/SP	1.800	600	500
ENL1806060PO/SP	1.800	600	600
ENL1808040PO/SP	1.800	800	400
ENL1808050PO/SP	1.800	800	500
ENL1808060PO/SP	1.800	800	600
ENL18010040PO/SP	1.800	1.000	400
ENL18010050PO/SP	1.800	1.000	500
ENL18010060PO/SP	1.800	1.000	600
ENL2006040PO/SP	2.000	600	400
ENL2006050PO/SP	2.000	600	500
ENL2006060PO/SP	2.000	600	600
ENL2006080PO/SP	2.000	600	800
ENL2008040PO/SP	2.000	800	400
ENL2008050PO/SP	2.000	800	500
ENL2008060PO/SP	2.000	800	600
ENL2008080PO/SP	2.000	800	800
ENL20010040PO/SP	2.000	1.000	400
ENL20010050PO/SP	2.000	1.000	500
ENL20010060PO/SP	2.000	1.000	600
ENL20010080PO/SP	2.000	1.000	800
ENL2208060PO/SP	2.200	800	600
ENL2208080PO/SP	2.200	800	800

■ OPAQUE DOUBLE-DOOR CABINETS WITH NO PLATE



IP55 / NEMA 1, 12

Commercial Ref.	Dimensions (Height x Width x Depth)		
ENL16510050PO/DC	1.650	1.000	500
ENL16510060PO/DC	1.650	1.000	600
ENL16512050PO/DC	1.650	1.200	500
ENL16512060PO/DC	1.650	1.200	500
ENL18010040PO/DC	1.800	1.000	400
ENL18010050PO/DC	1.800	1.000	500
ENL18010060PO/DC	1.800	1.000	600
ENL18012040PO/DC	1.800	1.200	400
ENL18012050PO/DC	1.800	1.200	500
ENL18012060PO/DC	1.800	1.200	600
ENL18016040PO/DC	1.800	1.600	400
ENL18016050PO/DC	1.800	1.600	500
ENL20010040PO/DC	2.000	1.000	400
ENL20010050PO/DC	2.000	1.000	500
ENL20010060PO/DC	2.000	1.000	600
ENL20010080PO/DC	2.000	1.000	800
ENL20012040PO/DC	2.000	1.200	400
ENL20012050PO/DC	2.000	1.200	500
ENL20012060PO/DC	2.000	1.200	600
ENL20012080PO/DC	2.000	1.200	800
ENL20016040PO/DC	2.000	1.600	400
ENL20016050PO/DC	2.000	1.600	500

Dimensions in mm

WITH ELEVATION EYEBOLTS AND CABLE ENTRY COVER INCLUDED

THESE CODES DON'T INCLUDE THE SIDE PANELS AND THE MOUNTING PLATE (SEE REFERENCES ON PAGE 68,

SEE DIMENSIONS ON PAGES 64-65

IP55 READY-ASSEMBLED COMBINABLE CABINETS (ENL) ■

■ TRANSPARENT SINGLE-DOOR CABINETS WITH NO PLATE



Commercial Ref.	Dimensions (Height x Width x Depth)		
	Height	Width	Depth
ENL1656050PT/SP	1.650	600	500
ENL1656060PT/SP	1.650	600	600
ENL1658050PT/SP	1.650	800	500
ENL1658060PT/SP	1.650	800	600
ENL1806040PT/SP	1.800	600	400
ENL1806050PT/SP	1.800	600	500
ENL1806060PT/SP	1.800	600	600
ENL1808040PT/SP	1.800	800	400
ENL1808050PT/SP	1.800	800	500
ENL1808060PT/SP	1.800	800	600
ENL2006040PT/SP	2.000	600	400
ENL2006050PT/SP	2.000	600	500
ENL2006060PT/SP	2.000	600	600
ENL2006080PT/SP	2.000	600	800
ENL2008040PT/SP	2.000	800	400
ENL2008050PT/SP	2.000	800	500
ENL2008060PT/SP	2.000	800	600
ENL2008080PT/SP	2.000	800	800
ENL2208060PT/SP	2.200	800	600
ENL2208080PT/SP	2.200	800	800

■ TRANSPARENT DOUBLE-DOOR CABINETS WITH NO PLATE



Commercial Ref.	Dimensions (Height x Width x Depth)		
	Height	Width	Depth
ENL16510050PT/DC	1.650	1.000	500
ENL16510060PT/DC	1.650	1.000	600
ENL16512050PT/DC	1.650	1.200	500
ENL16512060PT/DC	1.650	1.200	600
ENL18010040PT/DC	1.800	1.000	400
ENL18010050PT/DC	1.800	1.000	500
ENL18010060PT/DC	1.800	1.000	600
ENL18012040PT/DC	1.800	1.200	400
ENL18012050PT/DC	1.800	1.200	500
ENL18012060PT/DC	1.800	1.200	600
ENL20010040PT/DC	2.000	1.000	400
ENL20010050PT/DC	2.000	1.000	500
ENL20010060PT/DC	2.000	1.000	600
ENL20010080PT/DC	2.000	1.000	800
ENL20012040PT/DC	2.000	1.200	400
ENL20012050PT/DC	2.000	1.200	500
ENL20012060PT/DC	2.000	1.200	600
ENL20012080PT/DC	2.000	1.200	800

IP55 / NEMA 1, 12

Door 1000: PT600 + P0400

Door 1200: PT800 + P0400

WITH ELEVATION EYEBOLTS AND CABLE ENTRY COVER INCLUDED

Dimensions in mm

THESE CODES DON'T INCLUDE THE SIDE PANELS AND THE MOUNTING PLATE (SEE REFERENCES ON PAGE 68,

SEE DIMENSIONS ON PAGES 64-65

Cabinets 2200 mm height without UL certificate. For special cabinets check on UL certification.

ARGENTA PLUS accessories

■ SIDE PANELS

Commercial Ref.	Cabinet dimensions (Height x Depth)	
PLA16550	1.650	500
PLA16560	1.650	600
PLA18040	1.800	400
PLA18050	1.800	500
PLA18060	1.800	600
PLA20040	2.000	400
PLA20050	2.000	500
PLA20060	2.000	600
PLA20080	2.000	800
PLA22060	2.200	600
PLA22080	2.200	800

Each reference contains 2 panels



PLINTH SUPPLIED LIKE ACCESSORY

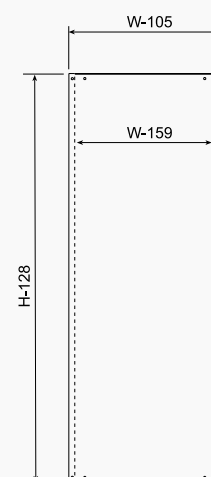
■ MOUNTING PLATES



COMPLETE FLAT MOUNTING PLATES

Strengthened by folds which provide great rigidity. Identical for all two versions of cabinets

Commercial Ref.	Dimensions (Height x Width)	For Cabinet (Height x Width)	
PL16560	1.522x500	1.650	600
PL16580	1.522x700	1.650	800
PL165100	1.522x900	1.650	1.000
PL165120	1.522x1.100	1.650	1.200
PL18040	1.672x300	1.800	400
PL18050	1.672x400	1.800	500
PL18060	1.672x500	1.800	600
PL18080	1.672x700	1.800	800
PL180100	1.672x900	1.800	1.000
PL180120	1.672x1.100	1.800	1.200
PL180160	1.672x1.500	1.800	1.600
PL20040	1.872x300	2.000	400
PL20050	1.872x400	2.000	500
PL20060	1.872x500	2.000	600
PL20080	1.872x700	2.000	800
PL200100	1.872x900	2.000	1.000
PL200120	1.872x1.100	2.000	1.200
PL200160	1.872x1.500	2.000	1.600
PL22080	2.072x700	2.200	800



ASSEMBLY ACCESSORY BAG INCLUDED

Plates 1600 mm wide are formed by two joined plates 750 mm

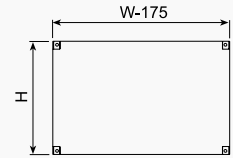
Dimensions in mm

MOUNTING PLATES ■



PARTIAL FLAT ASSEMBLY PLATES

Commercial Ref.	Dimensions (Height x Width)	For Cabinet (Width)
PLP2040	200x225	400
PLP2060	200x425	600
PLP2080	200x625	800
PLP3040	300x225	400
PLP3060	300x425	600
PLP3080	300x625	800
PLP30100	300x825	1.000
PLP30120	300x1.025	1.200
PLP4040	400x225	400
PLP4060	400x425	600
PLP4080	400x625	800
PLP40100	400x825	1.000
PLP40120	400x1.025	1.200
PLP6040	600x225	400
PLP6060	600x425	600
PLP6080	600x625	800
PLP60100	600x825	1.000
PLP60120	600x1.025	1.200



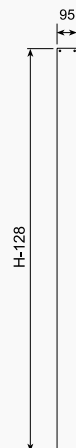
For partial slotted assembly plates, ask for prices and delivery terms

ASSEMBLY ACCESSORY BAG INCLUDED



LINKING PLATES FOR COMBINABLE CABINETS

Commercial Ref.	Dimensions (Height x Width)	For Cabinet (Height)
PLC1800	1.672x95	1.800
PLC2000	1.872x95	2.000
PLC2200	2.072x95	2.200



ASSEMBLY ACCESSORY BAG INCLUDED

ARGENTA PLUS accessories

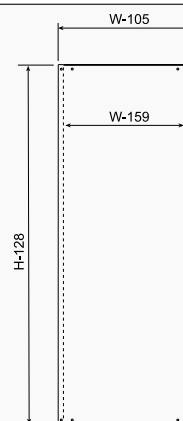
METAL MOUNTING PLATES



METAL SEPARATION PLATES FOR COMBINABLE CABINETS

Commercial Ref.	Dimensions (Height x Width)	For Cabinet (Height x Depth)	
PLS18040	1.672x295	1.800	400
PLS20040	1.872x295	2.000	400
PLS18050	1.672x395	1.800	500
PLS20050	1.872x395	2.000	500
PLS18060	1.672x495	1.800	600
PLS20060	1.872x495	2.000	600
PLS18080	1.672x695	1.800	800
PLS20080	1.872x695	2.000	800

ASSEMBLY ACCESSORY BAG INCLUDED



SLIDEWAY



Commercial Ref

48500	Plate union pack
GD400	Pack 400 mm slideway
GD600	Pack 600 mm slideway
GD800	Pack 800 mm slideway
GD1000	Pack 1.000 mm slideway
GD1200	Pack 1.200 mm slideway



Total width of the enclosure	Plate's combination	Total plate lenght	Total width of the cabinet	Plate's combination	Total plate lenght
1.000	2xPLxxx60	1.000	2.600	1xPLxxx120+3xPLxxx60	2.600
1.200	1xPLxxx80+1xPLxxx60	1.200	2.800	4xPLxxx80	2.800
1.400	2xPLxxx80	1.400	3.000	1xPLxxx100+3xPLxxx80	3.000
1.600	1xPLxxx100+1xPLxxx80	1.600	3.200	1xPLxxx120+3xPLxxx80	3.200
1.800	2xPLxxx100	1.800	3.400	3xPLxxx100+1xPLxxx80	3.400
2.000	1xPLxxx120+1xPLxxx100	2.000	3.600	4xPLxxx100	3.600
2.200	2xPLxxx120	2.200	3.800	3xPLxxx120+1xPLxxx60	3.800
2.400	2xPLxxx80+2xPLxxx60	2.400	4.000	3xPLxxx120+1xPLxxx80	4.000

Dimensions in mm

PACK OF ACCESSORIES FOR ASSEMBLY PLATES ■



Commercial Ref.

48471	Pack of accessories to assemble the complete plate (4 units)
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Commercial Ref.

48472	Pack of accessories for partial plate (4 units)
48419	Pack of accessories for separating plate (4 units)



Commercial Ref.

48473	Pack of accessories for central support of complete plate (2 units)
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Commercial Ref.

48474	Pack of accessories to assemble the linking plate (2 units)
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COMBINABLE CABINETS ATTACHING & LINKING PACK ■



INTERNAL LINKING PACK

Commercial Ref.

48111	Internal linking pack (6 units)
48112	Corner linking pack (4 units)
48116	Mixed linking pack; 4 units internal linking + 4 units corner linking



LINKING & LIFTING PACK

Commercial Ref.

48114	Linking & lifting pack (2 units)
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WALL ATTACHMENT PACK

Commercial Ref.

48113	Wall attachment pack (2 units)
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ARGENTA PLUS accessories

MODULAR COVERS

MODULAR HINGED



Commercial Ref.	Dimensions (Height x Width)		No. modules
TMA1560	150	600	23
TMA1580	150	800	33
TMA15100	150	1.000	46
TMA2060	200	600	23
TMA2080	200	800	33
TMA20100	200	1.000	46
TMA3060	300	600	2x23
TMA3080	300	800	2x33
TMA30100	300	1.000	2x46
TMA4060	400	600	2x23
TMA4080	400	800	2x33
TMA40100	400	1.000	2x46

BLANK HINGED



Commercial Ref.	Dimensions (Height x Width)	
TCA1560	150	600
TCA1580	150	800
TCA2060	200	600
TCA2080	200	800
TCA3060	300	600
TCA3080	300	800
TCA4060	400	600
TCA4080	400	800
TCA6060	600	600
TCA6080	600	800

MODULAR FIXED



Commercial Ref.	Dimensions (Height x Width)		No. modules
TMF1560	150	600	24
TMF1580	150	800	34
TMF15100	150	1000	46
TMF2060	200	600	24
TMF2080	200	800	34
TMF20100	200	1000	46
TMF3060	300	600	2x24
TMF3080	300	800	2x34
TMF30100	300	1000	2x46
TMF4060	400	600	2x24
TMF4080	400	800	2x34
TMF40100	400	1000	2x46

BLANK FIXED



Commercial Ref.	Dimensions (Height x Width)	
TCF0560	50	600
TCF0580	50	800
TCF05100	50	1000
TCF1060	100	600
TCF1080	100	800
TCF10100	100	1000
TCF1560	150	600
TCF1580	150	800
TCF15100	150	1000
TCF2060	200	600
TCF2080	200	800
TCF20100	200	1000
TCF3060	300	600
TCF3080	300	800
TCF30100	300	1000
TCF4060	400	600
TCF4080	400	800
TCF40100	400	1000
TCF6060	600	600
TCF6080	600	800
TCF60100	600	1000

Dimensions in mm

ASSEMBLY SUPPORTS + DIN RAIL



Commercial Ref.

48154	Attachment kit + 600 mm DIN rail
48156	Attachment kit + 800 mm DIN rail
48158	Attachment kit + 1000 mm DIN rail

See more references on page 133

TRUNKING SUPPORT KIT



Commercial Ref.

49366	600 mm vertical trunking support (18 modules)
49367	800 mm vertical trunking support (28 modules)



Commercial Ref.

49368	Horizontal trunking support (2 pcs. bag)
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MODULAR FRAME

MODULAR FRAME (WITHOUT DIVIDING DOOR)

Double frame for 1200 and 1600 mm width cabinets



Commercial Ref.

Commercial Ref.	Useful space (Height x Width)		For cabinet (Height x Width)	
	Height	Width	Height	Width
BTM16560	1.450	600	1.650	600
BTM16580	1.450	800	1.650	800
BTM165100	1.450	1.000	1.650	1.000
BTM165120	1.450	600+600	1.650	1.200
BTM18060	1.600	600	1.800	600
BTM18080	1.600	800	1.800	800
BTM180100	1.600	1.000	1.800	1.000
BTM180120	1.600	600+600	1.800	1.200
BTM180160	1.600	800+800	1.800	1.600
BTM20060	1.800	600	2.000	600
BTM20080	1.800	800	2.000	800
BTM200100	1.800	1.000	2.000	1.000
BTM200120	1.800	600+600	2.000	1.200
BTM200160	1.800	800+800	2.000	1.600
BTM22080	2.000	800	2.200	800

MODULAR FRAME (WITH DIVIDING DOOR)

Dividing door width 400 mm



Commercial Ref.

Commercial Ref.	Useful space (Height x Width)		For cabinet (Height x Width)	
	Height	Width	Height	Width
BTM165100/P400	1.450	600	1.650	1.000
BTM165120/P400	1.450	800	1.650	1.200
BTM180100/P400	1.600	600	1.800	1.000
BTM180120/P400	1.600	800	1.800	1.200
BTM200100/P400	1.800	600	2.000	1.000
BTM200120/P400	1.800	800	2.000	1.200

MODULAR FRAME (WITH PARTITION COLUMN)

Partition column width 200 mm

Commercial Ref.

Commercial Ref.	Useful space (Height x Width)		For cabinet (Height x Width)	
	Height	Width	Height	Width
BTM18080/E200	1600	600	1.800	800
BTM180100/E200	1600	800	1.800	1.000
BTM20080/E200	1800	600	2.000	800
BTM200100/E200	1800	800	2.000	1.000
BTM22080/E200	2000	600	2.200	800

Dimensions in mm

ARGENTA PLUS accessories

CORNER MODULES



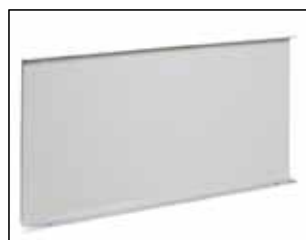
Commercial Ref.	Dimensions (Height x Width x Depth)	For Corners	
		Depth 1	Depth 2
ESQ1804040	1.800x400x400	400x400	
ESQ1804050	1.800x400x500	400x500	500x400
ESQ1804060	1.800x400x600	400x600	600x400
ESQ1805050	1.800x500x500	500x500	
ESQ1805060	1.800x500x600	500x600	600x500
ESQ1806060	1.800x600x600	600x600	
ESQ1806080	1.800x600x800	600x800	800x600
ESQ2004040	2.000x400x400	400x400	
ESQ2004050	2.000x400x500	400x500	500x400
ESQ2004060	2.000x400x600	400x600	600x400
ESQ2004080	2.000x400x800	400x800	800x400
ESQ2005050	2.000x500x500	500x500	
ESQ2005060	2.000x500x600	500x600	600x500
ESQ2005080	2.000x500x800	500x800	800x500
ESQ2006050	2.000x600x500	600x500	500x600
ESQ2006060	2.000x600x600	600x600	
ESQ2006080	2.000x600x800	600x800	800x600
ESQ2008080	2.000x800x800	800x800	

AUXILIARY MODULE



Commercial Ref.	Dimensions (AxBxC)	For Cabinets (Height x Depth)
MEX1804040	1.800x400x400	1.800x400
MEX1804050	1.800x400x500	1.800x500
MEX1804060	1.800x400x600	1.800x600
MEX2004040	2.000x400x400	2.000x400
MEX2004050	2.000x400x500	2.000x500
MEX2004060	2.000x400x600	2.000x600
MEX2004080	2.000x400x800	2.000x800
MEX2204060	2.200x400x600	2.200x600
MEX2204080	2.200x400x800	2.200x800

COVER FOR AUXILIARY MODULE



Commercial Ref.	
TCF3040	Blanking cover for 300x400 auxiliary module
TCF4040	Blanking cover for 400x400 auxiliary module
TCF6040	Blanking cover for 600x400 auxiliary module
TCF16040	Blanking cover for 1.600x400 auxiliary module
TCF18040	Blanking cover for 1.800x400 auxiliary module



Commercial Ref.	
48642	Upper-lower cover for auxiliary module (2 pcs.)

BUS-BAR ENCLOSURE ■



Commercial Ref.

CE404060

CE404080

CE406060

CE406080

CE408060

CE408080

CE4010060

CE4010080

CE4012060

CE4012080

Dimensions

(Height x Width x Depth)

400x400x600

400x400x800

400x600x600

400x600x800

400x800x600

400x800x800

400x1.000x600

400x1.000x800

400x1.200x600

400x1.200x800

SIDE PANELS FOR BUS-BAR ENCLOSURE

Commercial Ref.

PLCE600

400x600 panels (2 pcs.)

PLCE800

400x800 panels (2 pcs.)

ARGENTA PLUS accessories

■ ROOF OF NATURAL VENTILATION



Commercial Ref.	Dimensions (Width x Depth)
TVN6040	600x400
TVN6050	600x500
TVN6060	600x600
TVN6080	600x800
TVN8040	800x400
TVN8050	800x500
TVN8060	800x600
TVN8080	800x800
TVN10040	1.000x400
TVN10050	1.000x500
TVN10060	1.000x600
TVN10080	1.000x800
TVN12040	1.200x400
TVN12050	1.200x500
TVN12060	1.200x600
TVN12080	1.200x800
TVN16040	1.600x400
TVN16050	1.600x500

■ ROOF-ELEVATING ITEMS



Commercial Ref.

48152

Roof elevating items (4 units.)

■ INSULATINS JOINTS



PROTECTIVE JOINTS

Commercial Ref.

48478

Protective joint for cut-cuts



INSULATING JOINTS

Commercial Ref.

48479

Insulation gasket for joined cabinets (6 m)

48480

Adhesive insulation gasket for joined cabinets (6 m)

48636

Insulation gasket (1 m) + adhesive insulation gasket (4,5 m)



Commercial Ref.

48481

Insulating brush for cable entry (2 m)

PLINTH ■

	CORNERS & FRONT COVERS		
	Commercial Ref.		
	100 PLINTH		Cabinet width
	ZCL1040	100	400
	ZCL1050	100	500
	ZCL1060	100	600
	ZCL1080	100	800
	ZCL10100	100	1.000
	ZCL10120	100	1.200
	200 PLINTH		
	ZCL2040	200	400
	ZCL2050	200	500
	ZCL2060	200	600
	ZCL2080	200	800
	ZCL20100	200	1.000
	ZCL20120	200	1.200
	200 PLINTH (Plinth 100 + 100)		
	ZCL2T1040	100 + 100	400
	ZCL2T1050	100 + 100	500
	ZCL2T1060	100 + 100	600
	ZCL2T1080	100 + 100	800
	ZCL2T10100	100 + 100	1.000
	ZCL2T10120	100 + 100	1.200

	SIDE COVERS		
	Commercial Ref.		
	100 PLINTH		Cabinet depth
	TLZCL1040	100	400
	TLZCL1050	100	500
	TLZCL1060	100	600
	TLZCL1080	100	800
	200 PLINTH		
	TLZCL2040	200	400
	TLZCL2050	200	500
	TLZCL2060	200	600
	TLZCL2080	200	800

ARGENTA PLUS accessories

■ MOUNTING PROFILES



MOUNTING PROFILES FOR MODULAR FRAME

Commercial Ref.

PMB400	Frame profile for 400 mm-depth cabinet (2 profiles)
PMB500	Frame profile for 500 mm-depth cabinet (2 profiles)
PMB600	Frame profile for 600 mm-depth cabinet (2 profiles)
PMB800	Frame profile for 800 mm-depth cabinet (2 profiles)



EXTERNAL MOUNTING PROFILES

Commercial Ref.

PME400	External profile for 400 mm-depth cabinet (2 profiles)
PME500	External profile for 500 mm-depth cabinet (2 profiles)
PME600	External profile for 600 mm width and depth cabinet (2 profiles)
PME800	External profile for 800 mm width and depth cabinet (2 profiles)
PME1000	External profile for 1.000 mm width cabinet (2 profiles)
PME1200	External profile for 1.200 mm width cabinet (2 profiles)
PME1650	External profile for 1.650 mm height cabinet (2 profiles)
PME1800	External profile for 1.800 mm height cabinet (2 profiles)
PME2000	External profile for 2.000 mm height cabinet (2 profiles)



INTERNAL MOUNTING PROFILES

Commercial Ref.

PMI400	Internal profile for 400 mm-depth cabinet (2 profiles)
PMI500	Internal profile for 500 mm-depth cabinet (2 profiles)
PMI600	Internal profile for 600 mm width and depth cabinet (2 profiles)
PMI800	Internal profile for 800 mm width and depth cabinet (2 profiles)
PMI1000	Internal profile for 1.000 mm width cabinet (2 profiles)
PMI1200	Internal profile for 1.200 mm width cabinet (2 profiles)
PMI1650	Internal profile for 1.650 mm height cabinet (2 profiles)
PMI1800	Internal profile for 1.800 mm height cabinet (2 profiles)
PMI2000	Internal profile for 2.000 mm height cabinet (2 profiles)



INTERIOR PARTITION PROFILE

Commercial Ref.

PPI400	Partition profile for cabinet, depth 400 mm (2 profiles)
PPI500	Partition profile for cabinet, depth 500 mm (2 profiles)
PPI600	Partition profile for cabinet, depth 600 mm (2 profiles)
PPI800	Partition profile for cabinet, depth 800 mm (2 profiles)

accessories ARGENTA PLUS

IP55 METAL CABINETS FOR APPLICATION PC



Includes:
Monitor tray 19"
Retractable keyboard tray to support mouse left or right
Computer equipment not included

Commercial Ref.

Dimensions
(Height x Width x Depth)

ENLPC1656060	1.650x600x600
ENLPC1656080	1.650x600x800

TRAYS FOR APPLICATION PC



Commercial Ref.

For cabinet
(Width x Depth)

BNF6040	600x320 fixed tray	600x400
BNF6060	600x520 fixed tray	600x600
BNF6080	600x720 fixed tray	600x800

PROFILES FOR 19" RACK



Commercial Ref.

PMR19/10U	Profile for 19" rack 10U (2 profiles)
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Two sets of profiles PME or PMI, of the same depth of the enclosure are needed to be assembled

LOCKS



Commercial Ref.

48526	2.5 slotted 1/4 turning lock
48527	1/4 turning lock with wing nut without key
48528	1/4 turning lock with wing nut with key code 2233

ENCLOSURES FOR SOCKETS AND AUTOMATIC SWITCHES



Commercial Ref.

SV4100	Grey with transparent window
---------------	------------------------------

1 enclosure 4 modules. Ref. CS4PT + 4 sockets 2P+TT LAT. 16A, 220V + connecting conductors

ARGENTA PLUS accessories

■ IP55 COMBINABLE CABINETS WITH SWING-FRAME



Commercial Ref.

Dimensions (Height x Width x Depth)

ENLBP1808060PT/SP	1.800	800	600
ENLBP1808080PT/SP	1.800	800	800
ENLBP18010060PT/SP	1.800	1.000	600
ENLBP18010080PT/SP	1.800	1.000	800
ENLBP2008060PT/SP	2.000	800	600
ENLBP2008080PT/SP	2.000	800	800
ENLBP20010060PT/SP	2.000	1.000	600
ENLBP20010080PT/SP	2.000	1.000	800
ENLBP2208060PT/SP	2.200	800	600
ENLBP2208080PT/SP	2.200	800	800

IP55 / NEMA 1, 12

Frame, side panels and cable entry cover included. Plinth supplied as accessory
Asymmetrical transparent door.

■ SWING-FRAME FOR 19" RACK



Commercial Ref.

Assembly units

Dimensions (Height x Width x Depth)

BP19/36U	36U	1.800x800x600
BP19/40U	40U	2.000x800x600/800
BP19/45U	45U	2.200x800x600/800

Dimensions in mm

FIXED FRAME FOR 19" RACK ■

	FIXED FRAME PROFILE		
	Commercial Ref.	Assembly units	For Cabinet (Height x Width)
	BF19/39U	19" 39U fixed frame profile (2 pcs.)	1.800x600/800
	BF19/43U	19" 43U fixed frame profile (2 pcs.)	2.000x600/800
	BF19/48U	19" 48U fixed frame profile (2 pcs.)	2.200x600/800
	For 600 mm cabinet width 4 PME profiles are needed. For 800 mm cabinet width 6 PME profiles are needed.		
	FINISHING LIDS *		
	Commercial Ref.		
	EBF19/39U	19" 39U end cap (4 pcs.)	
	EBF19/43U	19" 43U end cap (4 pcs.)	
	EBF19/48U	19" 48U end cap (4 pcs.)	
	FIXING BRACKETS *		
	Commercial Ref.		
	SBF19	Bracket for 19" fixed frame profile (2 pcs.)	
	* Suitable only for 800 mm cabinet width		

COVERS FOR 19" RACK FRAME ■

	BLANK COVERS		
	Commercial Ref.		
	TCB1U	1U blank cover frame	
	TCB2U	2U blank cover frame	
	TCB3U	3U blank cover frame	
	TCB4U	4U blank cover frame	
	TCB6U	6U blank cover frame	
	TCB9U	9U blank cover frame	
	TCB10U	10U blank cover frame	
	TCB12U	12U blank cover frame	
	MODULAR COVERS		
	Commercial Ref.		
	TMB3U	3U (24 modules) modular cover frames	

TRAY FOR RACK 19" ■

	Commercial Ref.		
	BNF19-1/2U	Adjustable tray 19" 1/2U L=400-600 mm	
	BNF19-1U/200	Fix tray 19" 1U L=200 mm	
	BNF19-2U/250	Fix tray 19" 2U L=250 mm	
	BNF19-2U/400	Fix tray 19" 2U L=400 mm	

ARGENTA PLUS accessories

DOORS



SINGLE DOORS

OPAQUE

Commercial Ref.

For cabinet (Height x Width)

PO16560	1.650	600
PO16580	1.650	800
PO165100	1.650	1.000
PO18060	1.800	600
PO18080	1.800	800
PO180100	1.800	1.000
PO20060	2.000	600
PO20080	2.000	800
PO200100	2.000	1.000
PO22080	2.800	800

TRANSPARENT

PT16560	1.650	600
PT16580	1.650	800
PT18060	1.800	600
PT18080	1.800	800
PT20060	2.000	600
PT20080	2.000	800



SYMMETRICAL OPAQUE DOUBLE DOORS

Two doors by ref. no. with double internal lock. Cabinet of 1.000: PO500 + PO500

Cabinet of 1.200: PO600 + PO600

SYMMETRICAL Commercial Ref.

For cabinet (Height x Width)

PODCS165100	1.650	1.000
PODCS165120	1.650	1.200
PODCS180100	1.800	1.000
PODCS180120	1.800	1.200
PODCS180160	1.800	1.600
PODCS200100	2.000	1.000
PODCS200120	2.000	1.200
PODCS200160	2.000	1.600



ASYMMETRICAL TRANSPARENT DOUBLE DOORS

Two doors by ref. no. with double internal lock. Cabinet of 1.000: PT600 + PO400

Cabinet of 1.200: PT800 + PO400

ASYMMETRICAL Commercial Ref.

For cabinet (Height x Width)

PTDCA165100	1.650	1.000
PTDCA165120	1.650	1.200
PTDCA180100	1.800	1.000
PTDCA180120	1.800	1.200
PTDCA200100	2.000	1.000
PTDCA200120	2.000	1.200



INTERNAL DOORS

Commercial Ref.

For cabinet (Height x Width)

PIN16560	1.650	600
PIN16580	1.650	800
PIN18040	1.800	400
PIN18060	1.800	600
PIN18080	1.800	800
PIN20040	2.000	400
PIN20060	2.000	600
PIN20080	2.000	800
PIN200100	2.000	1.000

INTERLOCKING AND ACTUATION SYSTEMS FOR DOORS

	ACTUATION SYSTEM	
	Commercial Ref.	
	48515	<i>Interlocking and actuation lock for main cabinet</i>
	INTERLOCKING SYSTEM	
	Commercial Ref.	
	48516	<i>Interlocking kit for doors. 600 mm cabinet width</i>
	48517	<i>Interlocking kit for doors. 800 mm cabinet width</i>
	48518	<i>Interlocking kit for doors. 1000 mm cabinet width</i>
	48519	<i>Interlocking kit for doors. 1200 mm cabinet width</i>

MOUNTING PROFILES FOR DOORS

	Commercial Ref.	
	PPAP600	<i>600 mm mounting profile (1 unit)</i>
	PPAP800	<i>800 mm mounting profile (1 unit)</i>
	PPAP1000	<i>1.000 mm mounting profile (1 unit)</i>

TRAY FOR COMPACT AND COMBINABLE CABINETS

	Commercial Ref.	
	48776	<i>PC Tray</i>
	<i>For cabinet width 800 and 1.000 mm it is necessary to request 2 profiles PPAP800 or PPAP1000</i>	
	Commercial Ref.	
	For cabinet (Width x Depth)	
	BNF6040	<i>600x320 fixed tray</i>
	BNF6060	<i>600x520 fixed tray</i>
	BNF6080	<i>600x720 fixed tray</i>
	BNF8040	<i>800x320 fixed tray</i>
	BNF8060	<i>800x520 fixed tray</i>
	BNF8080	<i>800x720 fixed tray</i>

For installation it is necessary the ref. PMI or PME (See page 78)

LOCKS

	Commercial Ref.	
	48522	<i>1/4 turning lock with handle RAL7016</i>
	48523	<i>Lock for padlock with handle RAL7016</i>
	48460	<i>Zamak double-bit key 5</i>
	48463	<i>Triangular insert closure 7 + triangular key</i>
	48464	<i>Keyless pressure insert lock</i>
	48465	<i>Safety insert lock with key</i>

PACKS FOR DOORS

	Commercial Ref.	
	48483	<i>Double-door inside lock + rod 1.650</i>
	48484	<i>Double-door inside lock + rod 1.800</i>
	48485	<i>Double-door inside lock + rod 2.000</i>
	48461	<i>Pack of hinge (4 units)</i>
	48525	<i>Pack of 180° hinge (4 units)</i>
	48482	<i>Pack of lock retainer (4 units)</i>
	48560	<i>Single door rods 1650/1800</i>
	48561	<i>Single door rods 2000/2200</i>
	48562	<i>External double door rods 1650</i>
	48563	<i>External double door rods 1800</i>
	48564	<i>External double door rods 2000</i>
	48565	<i>Rod end (4 Units pack)</i>



Baltic

■ IP55 CONSOLES

The new BALTIC console series has an elegant and functional design, conceived to favour maximum versatility and the best access for the operator. Consoles manufactured with high quality cold-rolled steel materials, with IP55 protection degree and maximum impact resistance IK10.

It is available in two versions, consoles with synoptic control panel and consoles with control panel. The possibility of customized projects also exists to adapt to the needs of each installation.

This series is complemented with a wide range of installation accessories, such as plates, profiles, plinths, etc., which provide global solutions so that the user is sure to find the one that adapts best to their needs.



TECHNICAL DATA

■ degree of protection	IP55
■ resistance to impact	IK10
■ range of temperature under normal conditions	-25°C/+40°C (50% rate of humidity)
■ maximum operation voltage (Ue)	1000 V AC.
■ materials	Cold-rolled steel sheeting
■ colour	RAL 7035

According to low tension directive 2006/95/CE
Norms: UNE-EN 62205 and UNE-EN 61439-1 (in the affected parts).

The technical features described above are achieved using the components of the whole, and the accessories supplied by IDE, mounted and assembled according to the corresponding technical guidelines and instruction sheets.



CONSOLE WITH SYNOPTIC CONTROL PANELS

- Available in two versions, consoles with synoptic control panels and consoles with control panel, with the possibility of carrying out special projects

CONSOLE WITH CONTROL PANEL



SPECIAL PROJECTS



DOOR RETAINERS

Door retainer system via gas springs

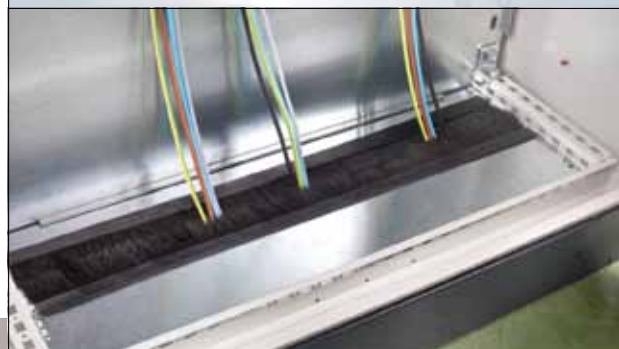


RETAINERS



CABLE ENTRY LID

- Adjustable and interchangeable lids
- Three 135 mm lids for consoles measuring 600, 800 and 1000 mm width
- 2x3 135 mm lids for consoles measuring 1200 and 1600 mm width with a removable centre strip
- Common for both console versions



technical FEATURES

CONSOLES WITH SYNOPTIC CONTROL PANEL



Module fastening system with bolts to form one complete and compact case



IP55 protection degree achieved by installing an insulation gasket



Rear doors that permit access to the interior of the console

CONSOLES WITH CONTROL PANEL



- Full rear door with access to interior including the horizontal plate area

accessories FEATURES

Vertical assembly plates,
adjustable in depth



Different possibilities and
combinations for fitting the
assembly plates

Horizontal assembly plates,
directly screwed to the case
profiles



Possibility of fitting the vertical
and horizontal plates at the
same time



- Horizontal assembly profile depths of 400 and 500 mm
- Double vertical assembly profile, 700 mm high
- Profile for 19" rack
- Transverse assembly profile for console widths of 600, 800, 1.000, 1.200 and 1.600 mm

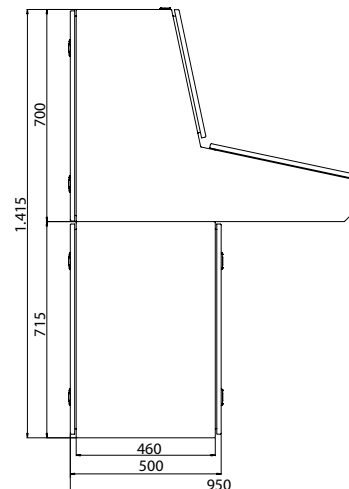
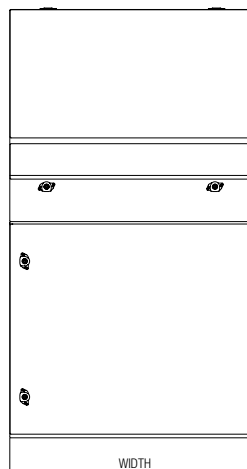


100 and 200 mm plinths, supplied as
accessories



Hook lock, with possibility of supplying other
types of locking systems as accessories

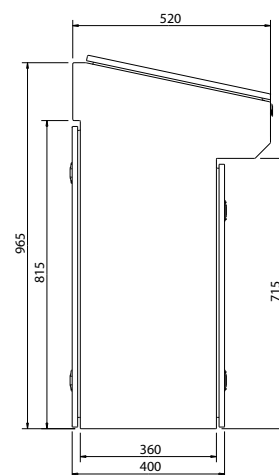
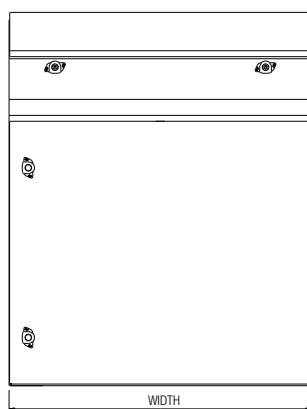
■ IP55 CONSOLE WITH SYNOPTIC CONTROL PANEL



Commercial Ref.

		Height	Width	Depth	
PSC800	800 synoptic-control console	1.415	800	500	950
PSC1000	1.000 synoptic-control console	1.415	1.000	500	950
PSC1200	1.200 synoptic-control console	1.415	1.200	500	950
PSC1600	1.600 synoptic-control console	1.415	1.600	500	950

■ IP55 CONSOLE WITH CONTROL PANEL



Commercial Ref.

		Height	Width	Depth	
PC600	600 control console	965	600	400	520
PC800	800 control console	965	800	400	520
PC1000	1.000 control console	965	1.000	400	520
PC1200	1.200 control console	965	1.200	400	520

PLINTH

	CORNERS & FRONT COVERS		
	Commercial Ref.		
	100 PLINTH		Cabinet width
	ZCL1060	100	600
	ZCL1080	100	800/1.600
	ZCL10100	100	1.000
	ZCL10120	100	1.200
	200 PLINTH		
	ZCL2060	200	600
	ZCL2080	200	800/1.600
	ZCL20100	200	1.000
	ZCL20120	200	1.200
	200 PLINTH (Plinth 100 + 100)		
	ZCL2T1060	100 + 100	600
	ZCL2T1080	100 + 100	800/1.600
	ZCL2T10100	100 + 100	1.000
	ZCL2T10120	100 + 100	1.200

	SIDE COVERS		
	Commercial Ref.		
	100 PLINTH		Cabinet depth
	TLZCL1040	100	400
	TLZCL1050	100	500
	200 PLINTH		
	TLZCL2040	200	400
	TLZCL2050	200	500

■ MOUNTING PLATES



HORIZONTAL PLATES

HEIGHT: 400 MM

Commercial Ref.

For console

Dimensions
(Height x Width)

PLBE600	600 width	394 x 517
PLBE800	800 width	394 x 717
PLBE1000	1.000 width	394 x 917
PLBE1200	1.200 width	394 x 1.121
PLBE1600	1.600 width	394 x 1.517

VERTICAL PLATES

HEIGHT: 600 MM

Commercial Ref.

For console

Dimensions
(Height x Width)

PLBA600	600 width	642 x 521
PLBA800	800 width	642 x 721
PLBA1000	1.000 width	642 x 921
PLBA1200	1.200 width	642 x 1.121
PLBA1600	1.600 width	642 x 1.521

HEIGHT: 900 MM

Commercial Ref.

For console

Dimensions
(Height x Width)

PLBI600	600 width	900 x 521
PLBI800	800 width	900 x 721
PLBI1000	1.000 width	900 x 921
PLBI1200	1.200 width	900 x 1.121
PLBI1600	1.600 width	900 x 1.521

ASSEMBLY ACCESORY BAG INCLUDED IN ALL REFERENCES

■ LOCKS



Commercial Ref.

46250

Hook lock

46251

Gas spring for hook lock

■ ELEVATION PACK FOR CONSOLE



Commercial Ref.

48475

Elevation pack for cabinets (2 units)

PROFILES ■

	DOUBLE VERTICAL PROFILES Commercial Ref. <table> <tr> <td>PMV700</td><td><i>700 mm double vertical profile (2 units)</i></td></tr> </table>	PMV700	<i>700 mm double vertical profile (2 units)</i>
PMV700	<i>700 mm double vertical profile (2 units)</i>		

	HORIZONTAL PROFILES Commercial Ref. <table> <tr> <td>PMH400</td><td><i>400 mm horizontal profile (2 units)</i></td></tr> <tr> <td>PMH500</td><td><i>500 mm horizontal profile (2 units)</i></td></tr> </table>	PMH400	<i>400 mm horizontal profile (2 units)</i>	PMH500	<i>500 mm horizontal profile (2 units)</i>
PMH400	<i>400 mm horizontal profile (2 units)</i>				
PMH500	<i>500 mm horizontal profile (2 units)</i>				

	TRANSVERSE PROFILES Commercial Ref. <table> <tr> <td>PMT600</td><td><i>600 mm transverse profile (2 units)</i></td></tr> <tr> <td>PMT800</td><td><i>800 mm transverse profile (2 units)</i></td></tr> <tr> <td>PMT1000</td><td><i>1.000 mm transverse profile (2 units)</i></td></tr> <tr> <td>PMT1200</td><td><i>1.200 mm transverse profile (2 units)</i></td></tr> <tr> <td>PMT1600</td><td><i>1.600 mm transverse profile (2 units)</i></td></tr> </table>	PMT600	<i>600 mm transverse profile (2 units)</i>	PMT800	<i>800 mm transverse profile (2 units)</i>	PMT1000	<i>1.000 mm transverse profile (2 units)</i>	PMT1200	<i>1.200 mm transverse profile (2 units)</i>	PMT1600	<i>1.600 mm transverse profile (2 units)</i>
PMT600	<i>600 mm transverse profile (2 units)</i>										
PMT800	<i>800 mm transverse profile (2 units)</i>										
PMT1000	<i>1.000 mm transverse profile (2 units)</i>										
PMT1200	<i>1.200 mm transverse profile (2 units)</i>										
PMT1600	<i>1.600 mm transverse profile (2 units)</i>										

	PROFILES FOR 19" RACK Commercial Ref. <table> <tr> <td>PMR19/15U</td><td><i>Profile for 19" rack 15 U (2 profiles)</i></td></tr> </table>	PMR19/15U	<i>Profile for 19" rack 15 U (2 profiles)</i>
PMR19/15U	<i>Profile for 19" rack 15 U (2 profiles)</i>		



Atlantic

■ IP40-IP65 METAL DISTRIBUTION SWITCHBOARDS

ATLANTIC Series of metal distribution cabinets has been developed and designed to fulfill an efficient and safe electrical installation where both, technical and aesthetic features are demanded.

Easy handling and improved working space are due to their flexibility and reduced number of fixing components. Therefore these cabinets are an excellent tool for any type of low voltage-electrical installation.

They are available in different versions depending on the use and installation requirements: Surface or flush-fit mounting, watertight enclosures...

This new line of products is well complemented with a serie of accessories providing to the installer versatility and integral solutions to their needs.



TECHNICAL DATA

■ degree of protection:	
■ surface and flush-fit mounting distribution boards without door	IP30
■ surface and flush-fit mounting distribution boards with door	IP40
■ tight surface-mounting distribution boards	IP65
■ resistance to impact (Norm EN50102):	
■ surface and flush-fit distribution boards without door	IK07
■ Surface and flush-fit distribution boards with transparent door	IK09
■ Surface and flush-fit distribution boards with opaque door	IK10
■ range of temperature under normal conditions between	-25°C and +40°C (50% rate of humidity)
■ maximum rated current of each assembly circuit	630A (surface) 250A (flush-fit)
■ maximum operational voltage	1.000 V AC.
■ rated short-time withstand current	23 KA eff. 1 s. (according to type of accessories)
■ rated peak withstand current	48 KA (according to type of accessories)
■ materials	Cold-rolled steel sheeting
■ colour	RAL 9003

According to low tension directive 2006//95/CE

Norms: UNE-EN 62208 and UNE-EN 61439-1 (in the affected parts).

The above mentioned technical data is based on the use of the distribution board and its accessories supplied by IDE, assembled accordingly to our technical and instructions guidelines

general FEATURES

High quality lockers with a distinctive design



Different modular capacity options depending on protection lids selection (see page 101)



Reversible & hinged protection lids



Reversible doors



Clipped-on opening/closing system of protection lids

IP30-IP40 surface switchboards FEATURES

Clipped-on system on mounting of side walls



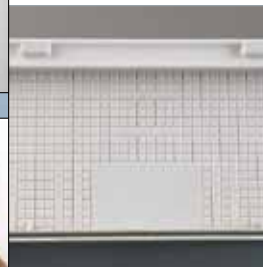
Quick mounting of cable-entry panel



Ruler designed to assist on the installment of DIN Rail. Depending on the size of the selected lid the arrow shows the correct position of the DIN Rail



Clipped-on system on mounting of top and bottom framework

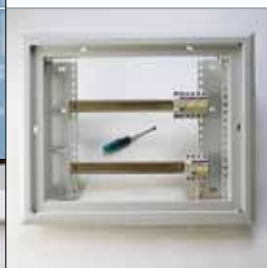


Slotted cable-entry panel

IP40 flush-fit switchboards

FEATURES

It is possible to adjust any derivation between frame and base



Posibility of mounting accessories onto the frame

Ruler designed to assist on the installment of DIN Rail. Depending on the size of the selected lid the arrow shows the correct position of the DIN Rail



DIN Rail is directly mounted to the chassis



Posibility of side-by-side boards mounting

IP40-IP65 surface switchboards

FEATURES

Door hinge can be also used as door locker (for the reversing of doors)



Clipped-on mounting system of Omega Rail



DIN rails can be placed at any height



The watertightness joint of the lid allows to have an IP65 protection degree, therefore achieving high protection against water and dust



Cable entry aligned to the wall for a correct entry of the cables

IP40 switchboards JOINING SYSTEM

Posibility to join IP40 surface enclosures



Fastening pieces for an easy attachment of the bottom of the boards

Joining element that allows the linking between IP40 surface boards



Easy joining system between side and base of the board once all the equipment is installed. The joining lateral clips must be tied in with the corresponding slots from the base, getting in this way a compact unit



Earth continuity to insulate the unit. Caps to reinforce the assembly of boards

auxiliary module for IP40 SURFACE BOARDS

On IP40 surface boards possibility to instal a lateral or central auxiliary module



Copper bars. The distance between bars and bottom is more than 30 mm



Protection screen can be installed on the auxiliary module as additional protection



The auxiliary module permits the fitting of copper bars, automatic switches, control gear, etc. allowing more space in the cabinet



The bar support must be tied on the omega of the auxiliary module base by sliding the support over it into the right position

TRUNKING SUPPORT



Fitting of a 63A ICP (main breaker) with protection lids up to 30 modules capacity for the surface boards and up to 26 modules capacity for the flush-fitted versions



■ Vertical trunking 60x60 mm

■ Combinable vertical and horizontal trunking supports

■ Two fastening positions for horizontal trunking for separation between DIN rails, 150 or 200 mm



Sleeving cable for entry of wiring

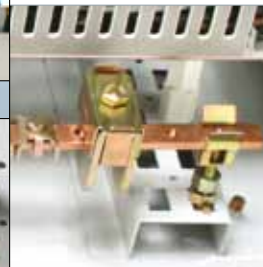
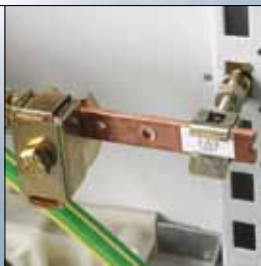


Distribution block mounted on DIN rail

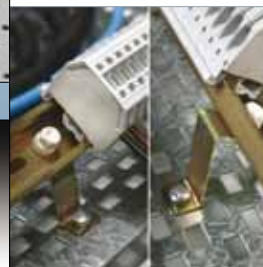


Earthing kit composition:
12x4 cooper bar, 2 supports and 20 double cable-entry connectors

Fast mounting: bars are clipped onto the supports and fixed to the connectors at the same time as the cabling



Easy fixing of accessories to mounting plate by using cage nuts



Instalment versatility: quick installation of devices on the mounting plate



STANDARD BOARDS (WITHOUT LIDS NOR DIN RAILS INCLUDED)					
Modules	IP40 FLUSH-FIT	IP65 SURFACE	IP40 SURFACE	IP40 UNASSAMBLed*	
48 modules	40EMP48-72PO	65SUP48-72PO	40SUP48-72PO	40ENL48-72	
	40EMP48-72PT	65SUP48-72PT	40SUP48-72PT		
72 modules	40EMP48-72PO	65SUP48-72PO	40SUP48-72PO	40ENL48-72	
	40EMP48-72PT	65SUP48-72PT	40SUP48-72PT		
	40EMP72-96PO	65SUP72-96PO	40SUP72-96PO	40ENL72-96	
	40EMP72-96PT	65SUP72-96PT	40SUP72-96PT		
96 modules	40EMP72-96PO	65SUP72-96PO	40SUP72-96PO	40ENL72-96	
	40EMP72-96PT	65SUP72-96PT	40SUP72-96PT		
	40EMP96-120PO	65SUP96-120PO	40SUP96-120PO	40ENL96-120	
	40EMP96-120PT	65SUP96-120PT	40SUP96-120PT		
120 modules	40EMP96-120PO	65SUP96-120PO	40SUP96-120PO	40ENL96-120	
	40EMP96-120PT	65SUP96-120PT	40SUP96-120PT		
	40EMP120-168PO	65SUP120-168PO	40SUP120-168PO	40ENL120-168	
	40EMP120-168PT	65SUP120-168PT	40SUP120-168PT		
168 modules	40EMP120-168PO	65SUP120-168PO	40SUP120-168PO	40ENL120-168	
	40EMP120-168PT	65SUP120-168PT	40SUP120-168PT		
144 modules	40EMP144-192PO	65SUP144-192PO	40SUP144-192PO	40ENL144-192	
	40EMP144-192PT	65SUP144-192PT	40SUP144-192PT		
192 modules	40EMP144-192PO	65SUP144-192PO	40SUP144-192PO	40ENL144-192	
	40EMP144-192PT	65SUP144-192PT	40SUP144-192PT		

* Boards without door. (See references on page 90-91)

PLASTIC LIDS		Modules	Pages
TM150	150 mm height lid	24	110
TM200	200 mm height lid	24	110
TC50	50 mm height blind lid		110
TC150	150 mm height blind lid		110
TC200	200 mm height blind lid		110

KIT DIN RAIL		Pages
48013	24 modules DIN Rail + fixing accessories (surface boards)	110
48014	24 modules DIN Rail + fixing accessories (flush-fit boards)	110

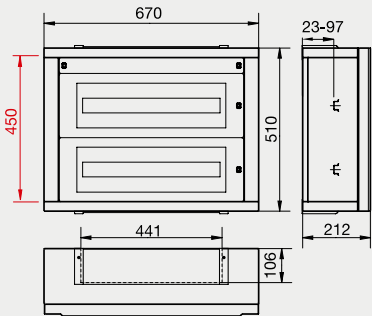
METAL LIDS		Modules	Pages
TMM150F	Modular lid 150 x 670 mm	24	110
TMM200F	Modular lid 200 x 670 mm	24	110
TMM300F	Modular lid 300 x 670 mm	2x24	110
TMM400F	Modular lid 400 x 670 mm	2x24	110
TCM50F	Blind lid 50 x 670 mm		110
TCM150F	Blind lid 150 x 670 mm		110
TCM200F	Blind lid 200 x 670 mm		110
TCM300F	Blind lid 300 x 670 mm		110
TCM400F	Blind lid 400 x 670 mm		110

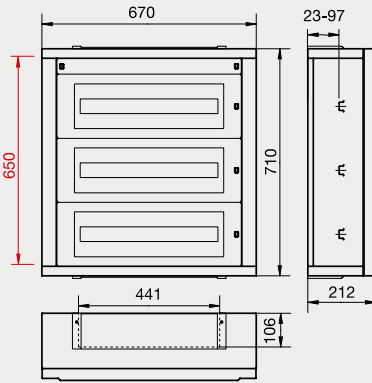
	LIDS KIT + RAÍL DIN					
	PLASTIC		METAL		LIDS + DIN RAIL INCLUDED	Modular capacity
	SURFACE	FLUSH-FIT	SURFACE	FLUSH-FIT		
	S48P200	E48P200	S48M200	E48M200	2 mod. lid 200 mm + 1 blind lid 50 mm + 2 kit rail DIN	48 modules
	S72P150	E72P150	S72M150	E72M150	3 mod. lid 150 mm + 3 kit rail DIN	72 modules
	S72P200	E72P200	S72M200	E72M200	3 mod. lid 200 mm + 1 blind lid 50 mm + 3 kit rail DIN	
	S96P150	E96P150	S96M150	E96M150	4 mod. lid 150 mm + 1 blind lid 50 mm + 4 kit rail DIN	96 modules
	S96P200	E96P200	S96M200	E96M200	4 mod. lid 200 mm + 1 blind lid 50 mm + 4 kit rail DIN	
	S120P150	E120P150	S120M150	E120M150	5 mod. lid 150 mm + 2 blind lid 50 mm + 5 kit rail DIN	120 modules
	S120P200	E120P200	S120M200	E120M200	5 mod. lid 200 mm + 1 blind lid 50 mm + 5 kit rail DIN	
	S168P150	E168P150	S168M150	E168M150	7 mod. lid 150 mm + 7 kit rail DIN	168 modules
	S144P200	E144P200	S144M200	E144M200	6 mod. lid 200 mm + 1 blind lid 50 mm + 6 kit rail DIN	144 modules
	S192P150	E192P150	S192M150	E192M150	8 mod. lid 150 mm + 1 blind lid 50 mm + 8 kit rail DIN	192 modules

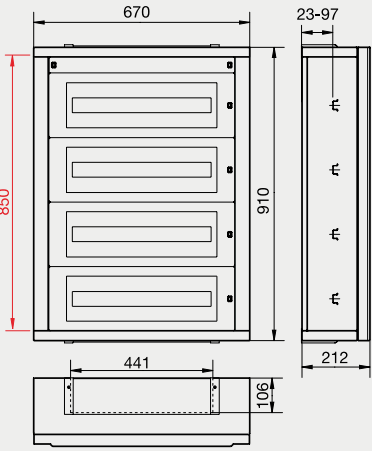
MODULES CONFIGURATION TABLE

Initial number of modules	Internal height	200 mm lids	150 mm lids	50 mm blind lids	Number of modules resulting
48	450	2	-	1	48
		-	3	-	72
72	650	3	-	1	72
		-	4	1	96
96	850	4	-	1	96
		-	5	2	120
120	1050	5	-	1	120
		2	4	1	144
		-	7	-	168
144	1250	6	-	1	144
		3	4	1	168
		4	3	-	168
		-	8	1	192

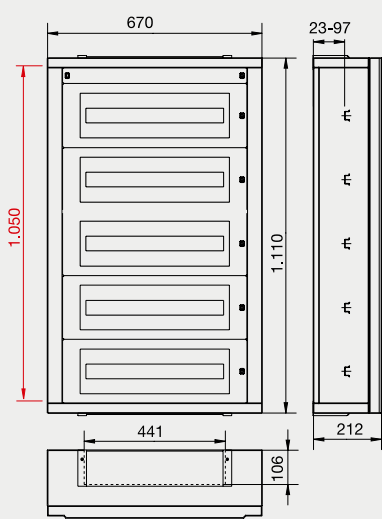
■ IP40 DETACHABLE SURFACE

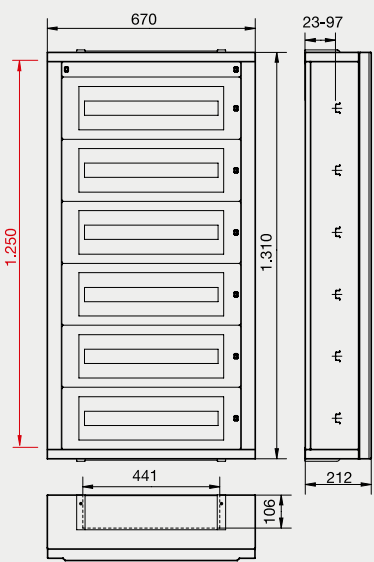
		Commercial Ref. 40ENL48-72 <i>Without door.</i> <i>No lids or DIN rails included</i>	
		DOORS PO40SUP48-72 PT40SUP48-72 <i>Opaque door</i> <i>Transparent door</i>	
		IP40* - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 48 mod.	S48P200 <i>2 mod. lids 200 mm + 1 blind lid 50 mm + 2 DIN rail</i>	S48M200	
Capacity 72 mod.	S72P150 <i>3 mod. lids 150 mm + 3 DIN rail</i>	S72M150	48-72 modules

		Commercial Ref. 40ENL72-96 <i>Without door.</i> <i>No lids or DIN rails included</i>	
		DOORS PO40SUP72-96 PT40SUP72-96 <i>Opaque door</i> <i>Transparent door</i>	
		IP40* - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 72 mod.	S72P200 <i>3 mod. lids 200 mm + 1 blind lid 50 mm + 3 DIN rail</i>	S72M200	
Capacity 96 mod.	S96P150 <i>4 mod. lids 150 mm + 1 blind lid 50 mm + 4 DIN rail</i>	S96M150	72-96 modules

		Commercial Ref. 40ENL96-120 <i>Without door.</i> <i>No lids or DIN rails included</i>	
		DOORS PO40SUP96-120 PT40SUP96-120 <i>Opaque door</i> <i>Transparent door</i>	
		IP40* - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 96 mod.	S96P200 <i>4 mod. lids 200 mm + 1 blind lid 50 mm + 4 DIN rail</i>	S96M200	
Capacity 120 mod.	S120P150 <i>5 mod. lids 150 mm + 2 blind lids 50 mm + 5 DIN rail</i>	S120M150	96-120 modules

IP40 DETACHABLE SURFACE ■

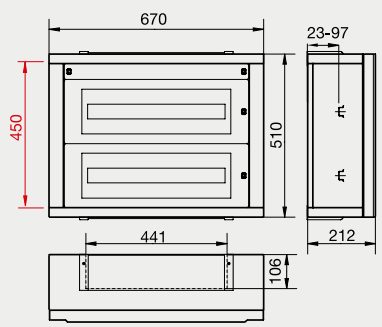
	Commercial Ref.		
	40ENL120-168		
	<i>Without door. No lids or DIN rails included</i>		
DOORS			
PO40SUP120-168		PT40SUP120-168	
<i>Opaque door</i>		<i>Transparent door</i>	
IP40* - RAL 9003			
KITS	Plastic lids	Metal lids	
Capacity 120 mod.	S120P200	S120M200	
	<i>5 mod. lids 200 mm + 1 blind lid 50 mm + 5 DIN rail</i>		
Capacity 168 mod.	S168P150	S168M150	
	<i>7 mod. lids 150 mm + 7 DIN rail</i>		
			120-168 modules

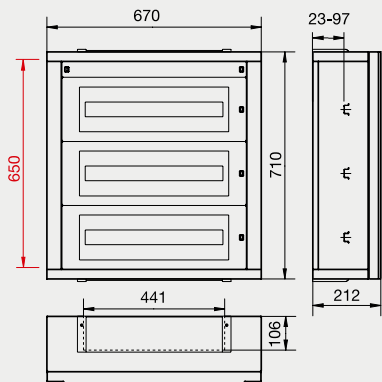
	Commercial Ref.		
	40ENL144-192		
	<i>Without door. No lids or DIN rails included</i>		
DOORS			
PO40SUP144-192		PT40SUP144-192	
<i>Opaque door</i>		<i>Transparent door</i>	
IP40* - RAL 9003			
KITS	Plastic lids	Metal lids	
Capacity 144 mod.	S144P200	S144M200	
	<i>6 mod. lids 200 mm + 1 blind lid 50 mm + 6 DIN rail</i>		
Capacity 192 mod.	S192P150	S192M150	
	<i>8 mod. lids 150 mm + 1 blind lid 50 mm + 8 DIN rail</i>		
			144-192 modules

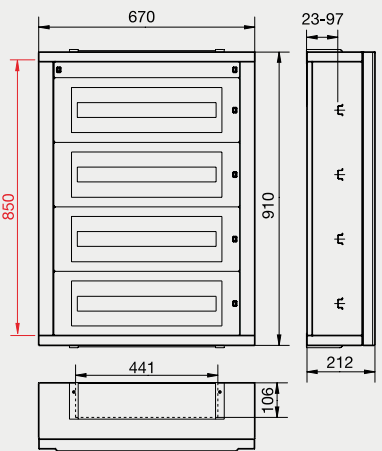
Pictures and drawings belong to enclosures with lids of 200mm

*IP40 with door / IP30 without door

■ IP40 COMPACT SURFACE

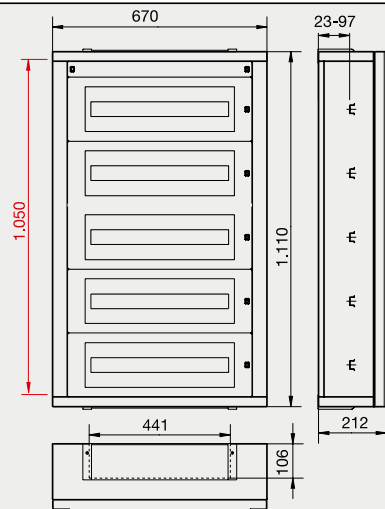
		Commercial Ref.	
		40SUP48-72PO <i>With opaque door. No lids or DIN rails included</i>	
		40SUP48-72PT <i>With transparent door. No lids or DIN rails included</i>	48-72 modules
		IP40 - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 48 mod.	S48P200 <i>2 mod. lids 200 mm + 1 blind lid 50 mm + 2 DIN rail</i>	S48M200	
Capacity 72 mod.	S72P150 <i>3 mod. lids 150 mm + 3 DIN rail</i>	S72M150	

		Commercial Ref.	
		40SUP72-96PO <i>With opaque door. No lids or DIN rails included</i>	
		40SUP72-96PT <i>With transparent door. No lids or DIN rails included</i>	72-96 modules
		IP40 - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 72 mod.	S72P200 <i>3 mod. lids 200 mm + 1 blind lid 50 mm + 3 DIN rail</i>	S72M200	
Capacity 96 mod.	S96P150 <i>4 mod. lids 150 mm + 1 blind lid 50 mm + 4 DIN rail</i>	S96M150	

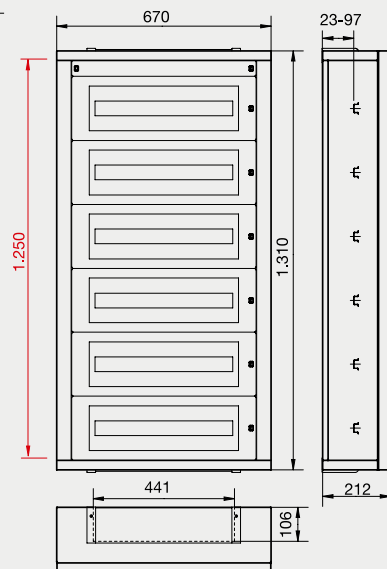
		Commercial Ref.	
		40SUP96-120PO <i>With opaque door. No lids or DIN rails included</i>	
		40SUP96-120PT <i>With transparent door. No lids or DIN rails included</i>	96-120 modules
		IP40 - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 96 mod.	S96P200 <i>4 mod. lids 200 mm + 1 blind lid 50 mm + 4 DIN rail</i>	S96M200	
Capacity 120 mod.	S120P150 <i>5 mod. lids 150 mm + 2 blind lids 50 mm + 5 DIN rail</i>	S120M150	

IP40 COMPACT SURFACE ■

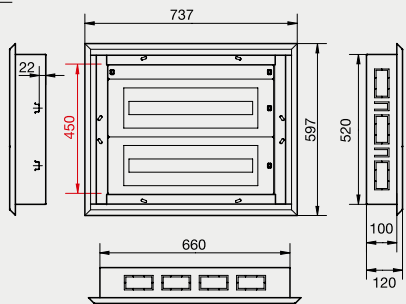
	Commercial Ref.	
	40SUP120-168PO <i>With opaque door.</i> <i>No lids or DIN rails included</i>	
	40SUP120-168PT <i>With transparent door.</i> <i>No lids or DIN rails included</i>	
IP40 - RAL 9003		
KITS	Plastic lids	Metal lids
Capacity 120 mod.	S120P200	S120M200
	5 mod. lids 200 mm + 1 blind lid 50 mm + 5 DIN rail	
Capacity 168 mod.	S168P150	S168M150
	7 mod. lids 150 mm + 7 DIN rail	

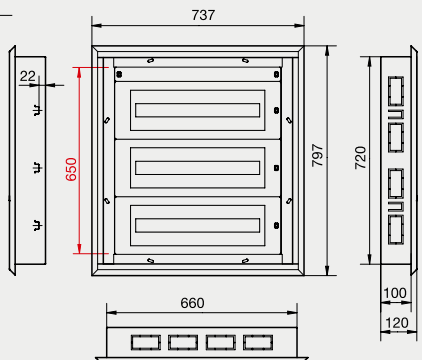


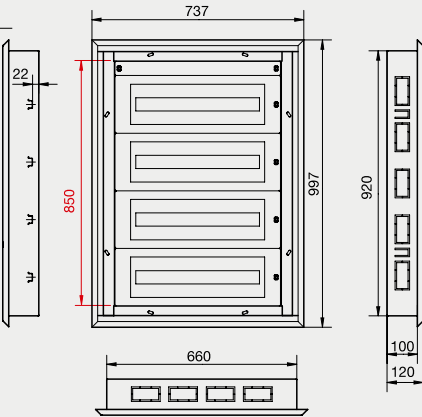
120-168 modules

		Commercial Ref.	
		40SUP144-192PO <i>With opaque door.</i> <i>No lids or DIN rails included</i>	
40SUP144-192PT <i>With transparent door.</i> <i>No lids or DIN rails included</i>			
IP40 - RAL 9003			
KITS	Plastic lids	Metal lids	
Capacity 144 mod.	S144P200 <i>6 mod. lids 200 mm + 1 blind lid 50 mm + 6 DIN rail</i>	S144M200	
	S192P150 <i>8 mod. lids 150 mm + 1 blind lid 50 mm + 8 DIN rail</i>	S192M150	
			144-192 modules

■ IP40 FLUSH-FIT

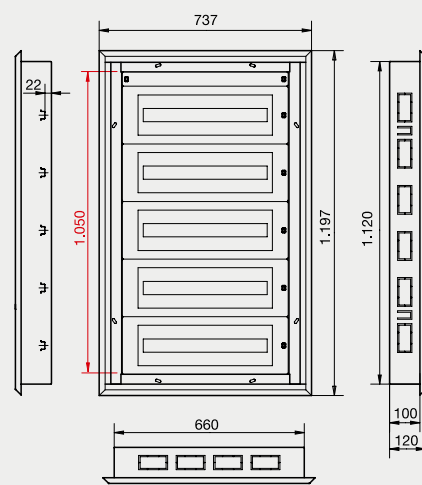
		Commercial Ref. 40EMP48-72PO <i>With opaque door.</i> <i>No lids or DIN rails included</i>	
		40EMP48-72PT <i>With transparent door.</i> <i>No lids or DIN rails included</i>	
		IP40 - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 48 mod.	E48P200 <i>2 mod. lids 200 mm + 1 blind lid 50 mm + 2 DIN rail</i>	E48M200	48-72 modules WALL RECESS: 660x520x110 mm
Capacity 72 mod.	E72P150 <i>3 mod. lids 150 mm + 3 DIN rail</i>	E72M150	

		Commercial Ref. 40EMP72-96PO <i>With opaque door.</i> <i>No lids or DIN rails included</i>	
		40EMP72-96PT <i>With transparent door.</i> <i>No lids or DIN rails included</i>	
		IP40 - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 72 mod.	E72P200 <i>3 mod. lids 200 mm + 1 blind lid 50 mm + 3 DIN rail</i>	E72M200	72-96 modules WALL RECESS: 660x720x110 mm
Capacity 96 mod.	E96P150 <i>4 mod. lids 150 mm + 1 blind lid 50 mm + 4 DIN rail</i>	E96M150	

		Commercial Ref. 40EMP96-120PO <i>With opaque door.</i> <i>No lids or DIN rails included</i>	
		40EMP96-120PT <i>With transparent door.</i> <i>No lids or DIN rails included</i>	
		IP40 - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 96 mod.	E96P200 <i>4 mod. lids 200 mm + 1 blind lid 50 mm + 4 DIN rail</i>	E96M200	96-120 modules WALL RECESS: 660x920x110 mm
Capacity 120 mod.	E120P150 <i>5 mod. lids 150 mm + 2 blind lids 50 mm + 5 DIN rail</i>	E120M150	

IP40 FLUSH-FIT ■

	Commercial Ref.	
	40EMP120-168PO <i>With opaque door.</i> <i>No lids or DIN rails included</i>	
	40EMP120-168PT <i>With transparent door.</i> <i>No lids or DIN rails included</i>	
IP40 - RAL 9003		
KITS	Plastic lids	Metal lids
Capacity 120 mod.	E120P200 <i>5 mod. lids 200 mm + 1 blind lid 50 mm + 5 DIN rail</i>	E120M200
Capacity 168 mod.	E168P150 <i>7 mod. lids 150 mm + 7 DIN rail</i>	E168M150



120-168 modules
WALL RECESS: 660x1.120x110 mm

Commercial Ref.

40EMP144-192PO

*With opaque door.
No lids or DIN rails included*

40EMP144-192PT

*With transparent door.
No lids or DIN rails included*

IP40 - RAL 9003

KITS

Plastic lids

Metal lids

Capacity 144 mod.

E144P200

E144M200

6 mod. lids 200 mm + 1 blind lid 50 mm + 6 DIN rail

Capacity 192 mod.

E192P150

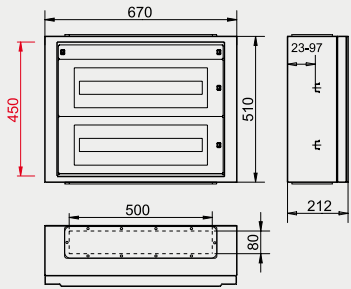
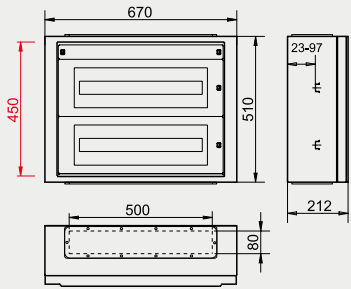
E192M150

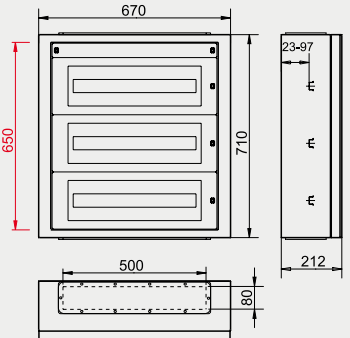
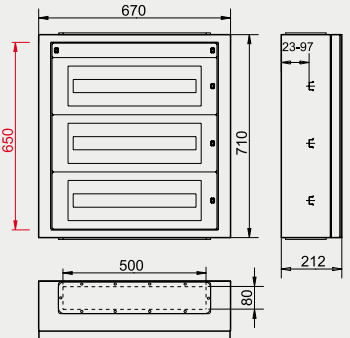
8 mod. lids 150 mm + 1 blind lid 50 mm + 8 DIN rail

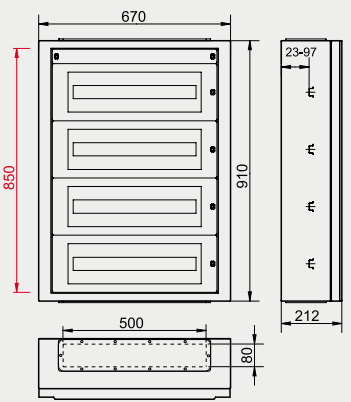
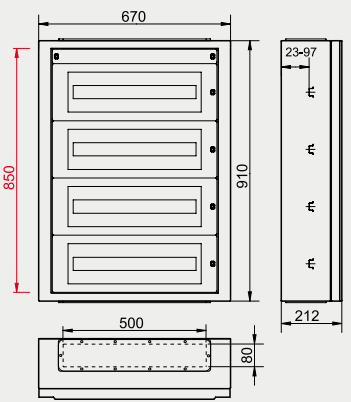
144-192 modules
WALL RECESS: 660x1.320x110 mm

Pictures and drawings belong to enclosures with lids of 200mm

■ IP65 COMPACT SURFACE

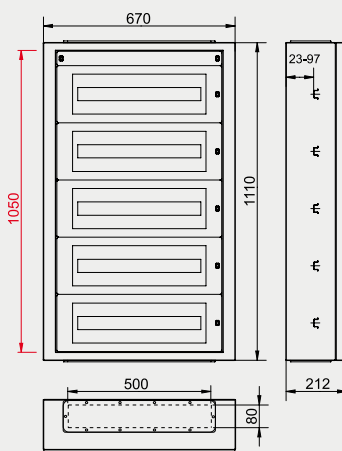
		Commercial Ref.	
		65SUP48-72PO <i>With opaque door. No lids or DIN rails included</i>	
		65SUP48-72PT <i>With transparent door. No lids or DIN rails included</i>	
		IP65 - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 48 mod.	S48P200 <i>2 mod. lids 200 mm + 1 blind lid 50 mm + 2 DIN rail</i>	S48M200	
Capacity 72 mod.	S72P150 <i>3 mod. lids 150 mm + 3 DIN rail</i>	S72M150	48-72 modules

		Commercial Ref.	
		65SUP72-96PO <i>With opaque door. No lids or DIN rails included</i>	
		65SUP72-96PT <i>With transparent door. No lids or DIN rails included</i>	
		IP65 - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 72 mod.	S72P200 <i>3 mod. lids 200 mm + 1 blind lid 50 mm + 3 DIN rail</i>	S72M200	
Capacity 96 mod.	S96P150 <i>4 mod. lids 150 mm + 1 blind lid 50 mm + 4 DIN rail</i>	S96M150	72-96 modules

		Commercial Ref.	
		65SUP96-120PO <i>With opaque door. No lids or DIN rails included</i>	
		65SUP96-120PT <i>With transparent door. No lids or DIN rails included</i>	
		IP65 - RAL 9003	
KITS	Plastic lids	Metal lids	
Capacity 96 mod.	S96P200 <i>4 mod. lids 200 mm + 1 blind lid 50 mm + 4 DIN rail</i>	S96M200	
Capacity 120 mod.	S120P150 <i>5 mod. lids 150 mm + 2 blind lids 50 mm + 5 DIN rail</i>	S120M150	96-120 modules

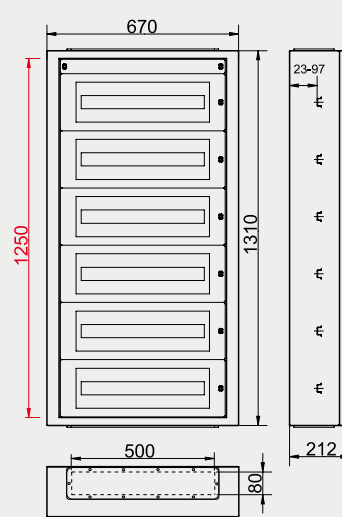
IP65 COMPACT SURFACE ■

	Commercial Ref.	
	65SUP120-168PO	
	<i>With opaque door. No lids or DIN rails included</i>	
	65SUP120-168PT	
	<i>With transparent door. No lids or DIN rails included</i>	
IP65 – RAL 9003		
KITS	Plastic lids	Metal lids
Capacity 120 mod.	S120P200	S120M200
	<i>5 mod. lids 200 mm + 1 blind lid 50 mm + 5 DIN rail</i>	
Capacity 168 mod.	S168P150	S168M150
	<i>7 mod. lids 150 mm + 7 DIN rail</i>	



120-168 modules

	Commercial Ref.	
	65SUP144-192PO	
	<i>With opaque door. No lids or DIN rails included</i>	
	65SUP144-192PT	
	<i>With transparent door. No lids or DIN rails included</i>	
IP65 - RAL 9003		
KITS	Plastic lids	Metal lids
Capacity 144 mod.	S144P200	S144M200
	6 mod. lids 200 mm + 1 blind lid 50 mm + 6 DIN rail	
Capacity 192 mod.	S192P150	S192M150
	8 mod. lids 150 mm + 1 blind lid 50 mm + 8 DIN rail	



144-192 modules

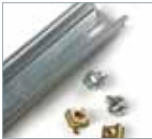
■ PLASTIC LIDS

	Commercial Ref.		Modules
	TM150	150 mm height lid	24
	TM200	200 mm height lid	24
	TC50	50 mm height blind lid	
	TC150	150 mm height blind lid	
	TC200	200 mm height blind lid	

■ METAL LIDS

	FIXED MODULAR METAL LID		Modules
	Commercial Ref.		
	TMM150F	Modular lid 150 x 670 mm	24
	TMM200F	Modular lid 200 x 670 mm	24
	TMM300F	Modular lid 300 x 670 mm	2 x 24
	TMM400F	Modular lid 400 x 670 mm	2 x 24
	FIXED BLIND METAL LID		
	Commercial Ref.		
	TCM50F	Blind lid 50 x 670 mm	
	TCM150F	Blind lid 150 x 670 mm	
	TCM200F	Blind lid 200 x 670 mm	
	TCM300F	Blind lid 300 x 670 mm	
	TCM400F	Blind lid 400 x 670 mm	

■ KIT (24 modules DIN RAIL + fixing accessories)

	Commercial Ref.	
	48014	24 modules DIN Rail + flush-fit fixing accessories

■ KIT (24 modules DIN RAIL + fixing accessories)

	Commercial Ref.	
	48013	24 modules DIN Rail + surface fixing accessories

■ TRUNKING SUPPORT KIT

	Commercial Ref.	
	49368	Horizontal trunking support (2 pcs. bag)
	Commercial Ref.	
	48243	Vertical trunking support (6 pcs. bag)

JOINING ELEMENT (for surface boards) ■

	Commercial Ref.	Modules	Cabinet Ref.
	EE6751	48	40ENL48-72
	EE6771	72	40ENL72-96
	EE6791	96	40ENL96-120
	EE67111	120	40ENL120-168
	EE67113	144	40ENL144-192
TYPE: AC AM			

JOINING ELEMENT (for flush-fit boards) ■

	Commercial Ref.	
	48007	Side-by-side mounting kit (2 pcs. bag)
	TYPE: AC AM	

ICP KIT ■

	Commercial Ref.	
	48107	63 A flush-fit ICP kit (ICP+26 mod.)
	48108	63 A surface ICP kit (ICP+30 mod.)
	Lid for 300 mm ICP kit	

MOUNTING PLATES ■

	Commercial Ref.	
	PLM200	200 mm flat mounting plate
	PLM300	300 mm flat mounting plate
	PLC450	450 mm flat mounting plate
	PLC600	600 mm flat mounting plate
	PLP300	300 mm slotted mounting plate
	PLP450	450 mm slotted mounting plate
	PLP600	600 mm slotted mounting plate
In order to install the mounting plates, it is necessary to ask for the fastening elements (see commercial references below)		

ATTACHMENT ACCESSORIES ■

	Commercial Ref.	
	94422	Pack to fix rails and mounting plates for flush-fit boards
	Commercial Ref.	
	48340	Pack to fix mounting plates for surface boards. Mounting plate type PLM
	48444	Pack to fix rails for surface boards.

WALL MOUNTING SUPPORT ■

	Commercial Ref.	
	48427	Wall mounting support (4 pcs. bag)

LATERAL AUXILIARY MODULE



Commercial Ref.	Dimensions (mm.) (Width x Height)	Cabinet Ref.
MEL4048	350 x 510 x 212	40ENL48-72
MEL4072	350 x 710 x 212	40ENL72-96
MEL4096	350 x 910 x 212	40ENL96-120
MEL40120	350 x 1110 x 212	40ENL120-168
MEL40144	350 x 1310 x 212	40ENL144-192

DOOR TYPE: OPAQUE

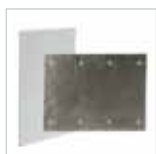
CENTRAL AUXILIARY MODULE



Commercial Ref.	Dimensions (mm.) (Width x Height)	Cabinet Ref.
MEC4048	350 x 510 x 212	40ENL48-72
MEC4072	350 x 710 x 212	40ENL72-96
MEC4096	350 x 910 x 212	40ENL96-120
MEC40120	350 x 1110 x 212	40ENL120-168
MEC40144	350 x 1310 x 212	40ENL144-192

DOOR TYPE: OPAQUE

ACCESSORIES FOR AUXILIARY MODULE



Commercial Ref.	
48106	Mounting plate (350 x 250 x 1,5 mm.)
48660	48 modules protection plate
48661	72 modules protection plate
48662	96 modules protection plate
48663	120 modules protection plate
48664	144 modules protection plate

LOCKERS



Commercial Ref.	
48445	5 mm double-bit lock (surface boards)
48446	5 mm double-bit lock (flush-fit boards)
48447	Security lock with key code 333 (surface boards)
48448	Security lock with key code 333 (flush-fit boards)



48458	1/4 turning lock with wing nut code 333 (surface boards)
48459	1/4 turning lock with wing nut code 333 (flush-fit boards)
48412	1/4 turning lock with wing nut without key (surface boards)



48449	5 mm double-bit key
48460	5 mm double-bit zamak key

DOORS FOR IP40 FLUSH-MOUNTING DISTRIBUTION SWITCHBOARDS ■



Commercial Ref.

PO40EMP48-72	<i>Opaque door</i>
PT40EMP48-72	<i>Transparent door</i>
TYPE: 40AE48 - 48 modules	
PO40EMP72-96	<i>Opaque door</i>
PT40EMP72-96	<i>Transparent door</i>
TYPE: 40AE72 - 72 modules	
PO40EMP96-120	<i>Opaque door</i>
PT40EMP96-120	<i>Transparent door</i>
TYPE: 40AE96 - 96 modules	
PO40EMP120-168	<i>Opaque door</i>
PT40EMP120-168	<i>Transparent door</i>
TYPE: 40AE120 - 120 modules	
PO40EMP144-192	<i>Opaque door</i>
PT40EMP144-192	<i>Transparent door</i>

DOORS FOR IP65 SURFACE-MOUNTING DISTRIBUTION SWITCHBOARDS ■



Commercial Ref.

PO65SUP48-72	<i>Opaque door</i>
PT65SUP48-72	<i>Transparent door</i>
TYPE: 55AS48 - 48 modules	
PO65SUP72-96	<i>Opaque door</i>
PT65SUP72-96	<i>Transparent door</i>
TYPE: 55AS72 - 72 modules	
PO65SUP96-120	<i>Opaque door</i>
PT65SUP96-120	<i>Transparent door</i>
TYPE: 55AS96 - 96 modules	
PO65SUP120-168	<i>Opaque door</i>
PT65SUP120-168	<i>Transparent door</i>
TYPE: 55AS120 - 120 modules	
PO65SUP144-192	<i>Opaque door</i>
PT65SUP144-192	<i>Transparent door</i>



Atlantic Plus

■ IP40-IP55 METAL DISTRIBUTION SWITCHBOARDS

The Atlantic Plus series has been developed to satisfy the needs of large installations, which, due to their construction characteristics, require a bigger modules capacity together with a good design.

This series includes 1.810 and 2.100 mm high modular distribution cabinets with capacity for 192 to 288 modules, in two versions: detachable IP40 and compact IP55, with the possibility of opaque or transparent door. They are manufactured with high quality materials, in cold-rolled steel plate and epoxy-polyester paint RAL7035. They have a quick and easy assembly system, with possibility of integrating auxiliary modules for on/off switches (maximum 630 A) and busbars, thus offering the electrician total functionality.

Designed for use in public premises such as corridors of shopping malls, hospitals, hotels, schools, etc. They can also be applied to medium and medium-large sized commercial areas, with average installed power, where a considerable number of control modules are required.

This series is complemented with a wide range of installation accessories, which provide global solutions, so the user is sure to find the one that adapts best to their needs.



TECHNICAL DATA

■ degree of protection:	
■ detachable surface mounting distribution boards with door	IP40
■ tight surface mounting distribution boards	IP55
■ resistance to impact:	
■ opaque door:	IK10
■ transparent door:	IK09
■ range of temperature under normal conditions between	-25°C/+40°C (50% rate of humidity)
■ maximum rated current of each assembly circuit	630 A
■ maximum operational voltage	1.000 V AC.
■ rated short-time withstand current	23 KA eff. 1 s. (according to type of accessories)
■ rated peak withstand current	48 KA (according to type of accessories)
■ materials	cold-rolled steel sheeting
■ colour	RAL9003

According to low tension directive 2006/95/CE

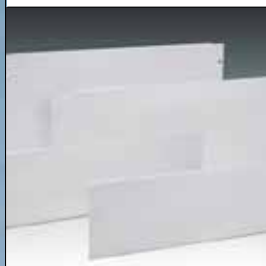
Norms: UNE-EN 62208 and UNE-EN 61439-1 (in the affected parts)

The above mentioned technical data is based on the use of the distribution board and its accessories supplied by IDE, assembled accordingly to our technical and instructions guidelines

general FEATURES



Frame that enables all the lids to be opened together or each one individually



Fixed or hinged metal protection lids, all of them reversible

- 50, 150, 200, 300 y 400 mm blind lids
- 150, 200 and 400 mm modular lids



Hinged and reversible plastic protection lids, with clip opening and closing system

- 50, 150 and 200 mm blind lids
- 150 and 200 mm modular lids



DIN rail with capacity 24 modules

- DIN rail secured with height-adjustable supports



Possibility of opaque or transparent door in all versions

- Opaque version manufactured in 1,2 mm thick steel sheet
- Transparent version manufactured in 4 mm thick tempered glass

Standard four-point, 1/4-turn lock, double-bit insert with retractable handle in grey RAL 7016. Possibility of other locks supplied as accessories



technicalFEATURES

IP40 DETACHABLE CABINETS

Total height of the cabinet including the plinth: 1.810 or 2.110 mm (depending on versions). Plinth included in the unit

Modular capacity:

- For 1.810mm cabinets: from 192 to 240 modules
- For 2.110 mm cabinets: from 216 to 288 modules



Bottom totally opened with two vertical profiles to secure the DIN rails



Sides clipped to the bottom to ease assembly and fastening. Assembly system in horizontal direction. This makes assembly in long lengths easier, providing great rigidity and avoiding the distortion of the clips

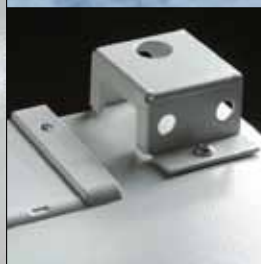


Upper and lower cable entry:

- Upper plastic lid prepared for the use of trays
- 500x80 mm lower metal lid



Rear panels connected via a double flange that permits linking cabinets together to achieve structures with a greater modular capacity



Elevation and transport system via two flanges fastened to the top of the cabinet, supplied with the enclosure

auxiliary module FEATURES

Possibility of installing a side or centre auxiliary module



Cabinet and auxiliary module connected via a bonding jumper, leaving the inner passage space free



Cover lid divided into two to protect the on/off switch and the busbar



IP55 compact cabinet FEATURES

Compact and robust structure

Total height of cabinet including plinth:
1.810 and 2.110 mm (depending on
versions)

Plinth built into the unit



Modular capacity:

- For 1.810 mm cabinets: from 192 to 240 modules
- For 2.110 mm cabinets: from 216 to 288 modules

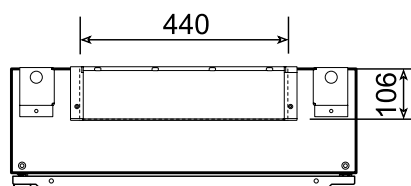
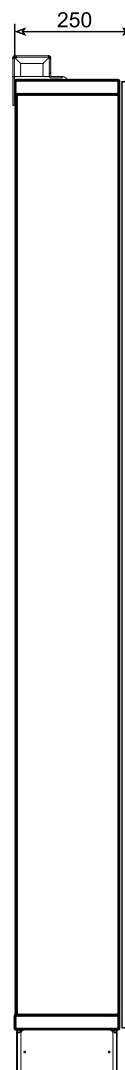
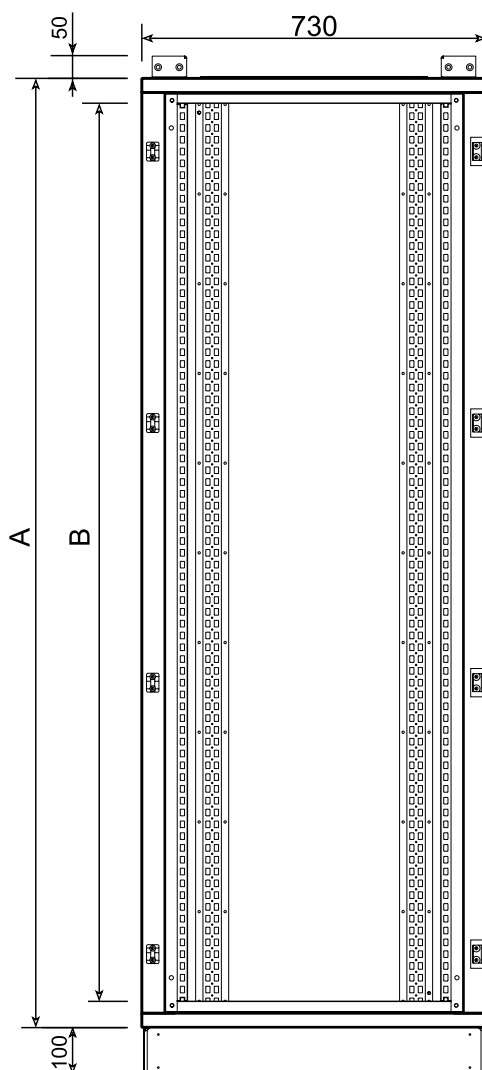
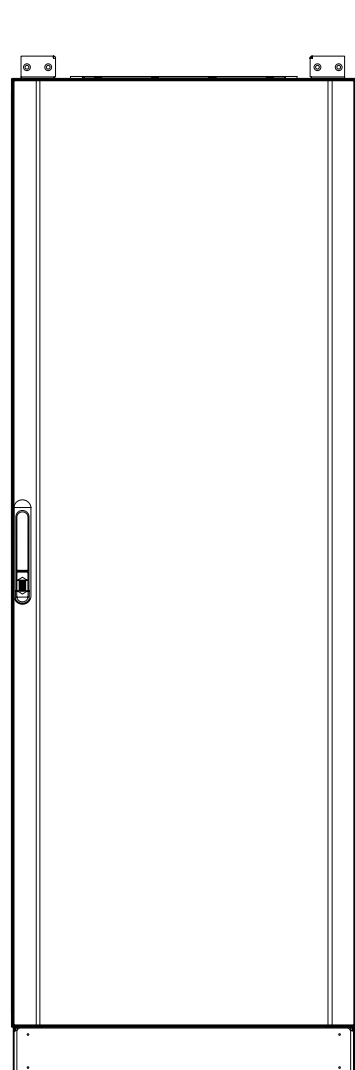
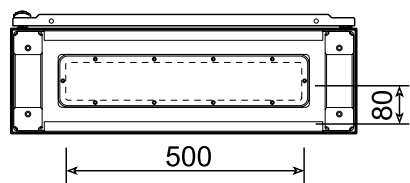


Elevation and transport system



500 x 80 mm upper and lower cable
entry

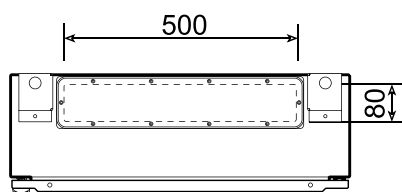
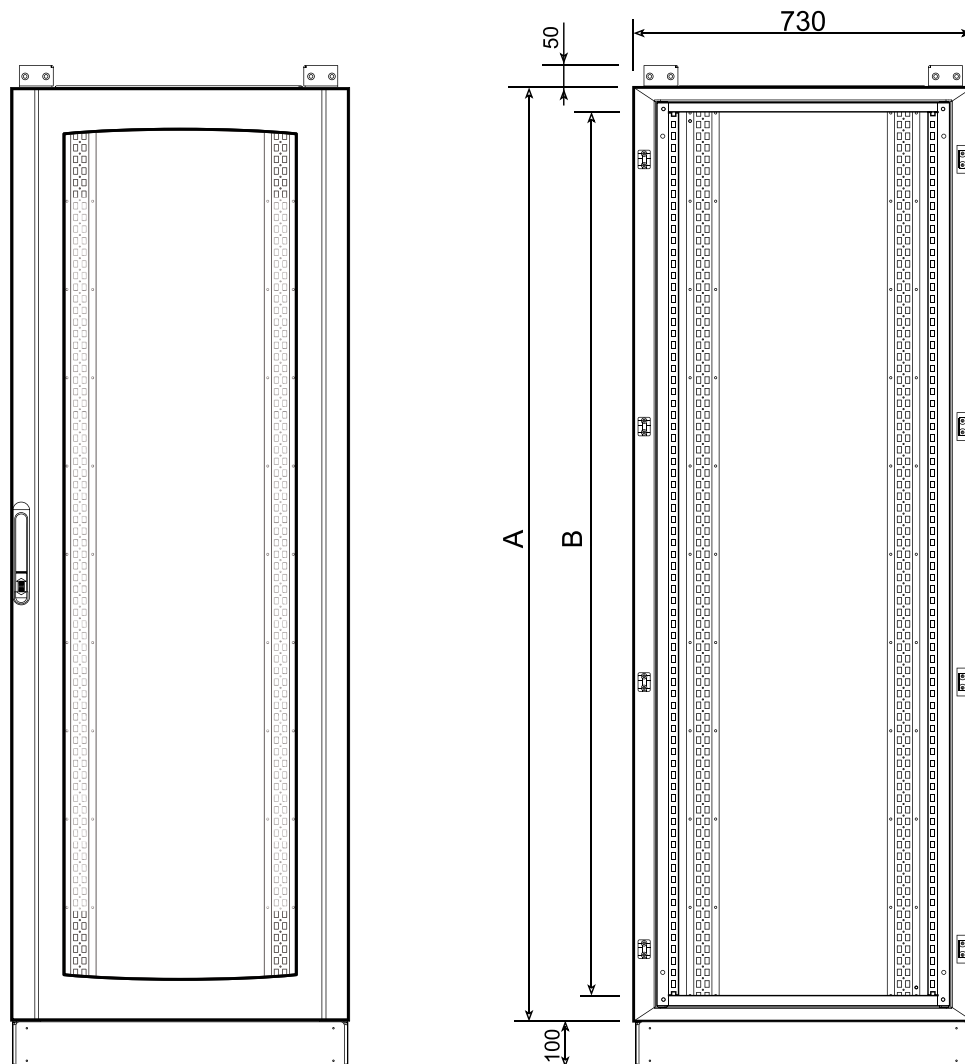
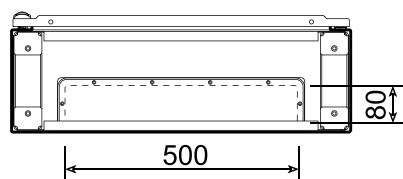
■ IP40 DETACHABLE SWITCHBOARDS



Cabinet	A	B
40ENL192-240	1.710	1.600
40ENL216-288	2.010	1.900

dimensions ATLANTIC PLUS

IP55 COMPACT SWITCHBOARDS ■



Cabinet	A	B
55SUP192-240	1.710	1.600
55SUP216-288	2.010	1.900

■ IP40 SURFACE DETACHABLE SWITCHBOARDS

	Commercial Ref.		Dimensions
	40ENL192-240PO	<i>With opaque door</i>	1.810x730x250
	40ENL192-240PT	<i>With transparent door</i>	1.810x730x250
	Useful space for lids: 1.600 mm		
TYPE: 40AS192 - RAL 9003			192-240 modules

	Commercial Ref.		Dimensions
	40ENL216-288PO	<i>With opaque door</i>	2.110x730x250
	40ENL216-288PT	<i>With transparent door</i>	2.110x730x250
	Useful space for lids: 1.900 mm		
TYPE: 40AS216 - RAL 9003			216-288 modules

■ IP55 SURFACE COMPACT SWITCHBOARDS

	Commercial Ref.		Dimensions
	55SUP192-240PO	<i>With opaque door</i>	1.810x730x250
	55SUP192-240PT	<i>With transparent door</i>	1.810x730x250
	Useful space for lids: 1.600 mm		
TYPE: 55AS192 - RAL 9003			192-240 modules

	Commercial Ref.		Dimensions
	55SUP216-288PO	<i>With opaque door</i>	2.110x730x250
	55SUP216-288PT	<i>With transparent door</i>	2.110x730x250
	Useful space for lids: 1.900 mm		
TYPE: 55AS216 - RAL 9003			216-288 modules

PLASTIC LIDS ■

	Commercial Ref.		Modules
	TM150	150 mm height lid	24
	TM200	200 mm height lid	24
	TC50	50 mm height blind lid	
	TC150	150 mm height blind lid	
	TC200	200 mm height blind lid	

METAL COVERS ■

	MODULAR HINGED COVERS		
	Commercial Ref.		Modules
	TMM150A	Modular lid 150 x 670 mm	24
	TMM200A	Modular lid 200 x 670 mm	24
	TMM300A	Modular lid 300 x 670 mm	2 x 24
	TMM400A	Modular lid 400 x 670 mm	2 x 24
	BLANK HINGED COVERS		
	Commercial Ref.		
	TCM150A	Blind lid 150 x 670 mm	
	TCM200A	Blind lid 200 x 670 mm	
	TCM300A	Blind lid 300 x 670 mm	
	TCM400A	Blind lid 400 x 670 mm	
	MODULAR FIXED COVERS		
	Commercial Ref.		Modules
	TMM150F	Modular lid 150 x 670 mm	24
	TMM200F	Modular lid 200 x 670 mm	24
	TMM300F	Modular lid 300 x 670 mm	2 x 24
	TMM400F	Modular lid 400 x 670 mm	2 x 24
	BLANK FIXED COVERS		
	Commercial Ref.		
	TCM50F	Blind lid 50 x 670 mm	
	TCM150F	Blind lid 150 x 670 mm	
	TCM200F	Blind lid 200 x 670 mm	
	TCM300F	Blind lid 300 x 670 mm	
	TCM400F	Blind lid 400 x 670 mm	

DIN RAIL KIT ■

	Commercial Ref.	
	48242	24 modules DIN Rail + fixing accessories

ATLANTIC PLUS accessories

■ TRUNKING SUPPORT KIT

		Commercial Ref.	
		49368	Horizontal trunking support (2 pcs.)
REF. 49368	REF. 48243	48243	Vertical trunking support (6 pcs.)

■ LATERAL AUXILIARY MODULE

	Commercial Ref.		Dimensions	Useful space	For cabinet
	MEL401810		1.810x430x250	1.650	40ENL192-240
	MEL402110		2.110x430x250	1.950	40ENL216-288
	DOOR TYPE: OPAQUE				

■ CENTRAL AUXILIARY MODULE

	Commercial Ref.		Dimensions	Useful space	For cabinet
	MEC401810		1.810x430x250	1.650	40ENL192-240
	MEC402110		2.110x430x250	1.950	40ENL216-288
	DOOR TYPE: OPAQUE				

■ ACCESSORIES FOR AUXILIARY MODULE



MAIN SWITCH

Commercial Ref.

48246*	On/off switch assembly plate (300x273 mm)
48247	Blanking cover switch plate h=450 mm

PROTECTION LIDS

Commercial Ref.

48266	Busbar protection lid h=1200
48267	Busbar protection lid H=1500
48370	Busbar protection lid h=300
48371	Busbar protection lid h=450
48372	Busbar protection lid h=600

* Regulation supports included

Two references must be requested: blind lid + protection lid

■ LOCKS

	Commercial Ref.	
	48463	Triangular insert closure + triangular key
	48464	Keyless pressure insert lock
	48465	Safety insert lock with key
	48460	Zamak double-bit key 5 mm

LINKING STRUCTURE ■

	Commercial Ref.	
	EE1810	Linking structure for 1.810 mm high cabinets
	EE2110	Linking structure for 2.110 mm high cabinets

MOUNTING PLATES ■

	Commercial Ref.	
	PLM200	200 mm flat mounting plate
	PLM300	300 mm flat mounting plate
	PLM400	400 mm flat mounting plate
	48340	Accessory pack for mounting plate

ELEVATION AND FASTENING ■

	Commercial Ref.	
	48244	Elevation and fastening pack
	Commercial Ref.	
	48245	Elevation, fastening and connection pack

DOORS FOR CABINETS ■

FOR IP40 DETACHABLE SURFACE CABINETS



Commercial Ref.		
PO40ENL192	Opaque door for detachable cabinet 1.810x730x250	
PT40ENL192	Transparent door for detachable cabinet 1.810x730x250	
PO40ENL216	Opaque door for detachable cabinet 2.110x730x250	
PT40ENL216	Transparent door for detachable cabinet 2.110x730x250	

FOR IP55 COMPACT SURFACE CABINETS



Commercial Ref.		
PO55SUP192	Opaque door for compact cabinet 1.810x730x250	
PT55SUP192	Transparent door for compact cabinet 1.810x730x250	
PO55SUP216	Opaque door for compact cabinet 2.110x730x250	
PT55SUP216	Transparent door for compact cabinet 2.110x730x250	

FOR AUXILIARY MODULE



Commercial Ref.		
POME1810	Opaque door for auxiliary module h=1.810	
POME2110	Opaque door for auxiliary module h=2.110	

INSTALLATION COMPONENTS



OTHER ACCESSORIES ■



Commercial Ref.

48290	<i>Pack of transport wheels 150 kg (2 wheels with brake + 2 without brake)</i>
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Commercial Ref.

48300	<i>Pack of levelling feet 270 kg (4 feet)</i>
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Commercial Ref.

48115	<i>Elevation eyebolts pack (2 pcs. bag)</i>
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Commercial Ref.

49385	<i>Insulating plan holder</i>
49388	<i>DIN A4 metal plan holder</i>
49790	<i>DIN A3 metal plan holder</i>



Commercial Ref.

49386	<i>600 mm metal plan holder (for Argenta Plus series)</i>
49387	<i>800 mm metal plan holder (for Argenta Plus series)</i>



Commercial Ref.

49366	<i>Argenta Plus 600 mm vertical trunking support</i>
49367	<i>Argenta Plus 800 mm vertical trunking support</i>
49368	<i>Argenta Plus and Atlantic horizontal trunking support (2 pcs. bag)</i>
48243	<i>Atlantic Plus vertical trunking support (6 pcs. bag)</i>



Commercial Ref.

49390	<i>105x105 High-voltage sign</i>
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Commercial Ref.

48292	<i>RAL7035 grey textured paint</i>
48294	<i>RAL7016 grey textured anthracite paint</i>
48343	<i>RAL9003 White textured paint</i>



Commercial Ref.

77590	<i>Grey module cover RAL 7035 (6 modules)</i>
48019	<i>Grey module cover RAL 7035 (1 meter) (not suitable for plastic lids)</i>
77600	<i>White module cover RAL 9003 (6 modules)</i>
48021	<i>White module cover RAL 9003 (1 meter)</i>

INSTALLATION COMPONENTS accessories

■ DOOR ACCESSORIES

	Commercial Ref.	
	48380	Door retainer; Length 130 for wider than 250 mm cabinet (Argenta Series)
	48466	Door retainer; Length 230 (Argenta Plus series)
	48383	Inox door retainer; Length 130 (Argenta INOX cabinets)
	Commercial Ref.	
	48462	Limit switch

■ EARTHING KIT

	Commercial Ref.	
	48452	Earthing kit
	Commercial Ref.	
	48437	150 mm flat ground connection
	48440	200 mm flat ground connection

■ DISTRIBUTION BLOCK

	Commercial Ref.	
	48653	2x6/125A distribution block
	48654	2x14/125A distribution block
	48655	4x10/125A distribution block
	48656	4x14/125A distribution block
	48657	4x6/125A distribution block
	48658	4x11/160A distribution block
	48659	TD80/100AL distribution block

BUSBAR SUPPORTS ■

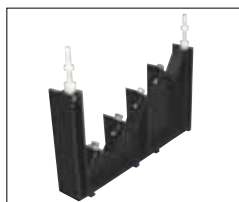


Commercial Ref.

48453

Lateral copper bar support 160/250A

Voltage	Current	Bar diameter (mm)	Maximum distance between busbar supports - l _{cw} kA eff. 1 s./l _{pk} kA		
			6,5/11	8/14	12/24
0 a 1.000 V	160 A	15 x 5	550	447	253
	250 A	20 x 5	635	516	281



Commercial Ref.

48800

Lateral copper bar support 160/630A

Voltage	Current	Bar diameter (mm)	Maximum distance between busbar supports - l _{cw} kA eff. 1 s./l _{pk} kA			
			6,5/11	8/14	12/24	23/48
0 a 1.000 V	160 A	15 x 5	696	565	320	102
	250 A	20 x 5	804	653	370	102
	400 A	32 x 5	1000	826	418	102
		20 x 10	1000	1000	418	102
		30 x 10	1000	1000	418	102



Commercial Ref.

48454

Bottom copper bar support 160/400A

Voltage	Current	Bar diameter (mm)	Maximum distance between busbar supports - l _{cw} kA eff. 1 s./l _{pk} kA			
			6,5/11	8/14	12/24	20/40
0 a 1.000 V	160 A	15 x 5	450	450	450	300
	250 A	20 x 5	450	450	450	300
	400 A	32 x 5	450	450	450	300



Commercial Ref.

48686

160A-630A TN horizontal busbar support

Bar diameter	Maximum distance between busbar supports - l _{cw} kA eff. 1 s./l _{pk} kA						
l _{cw} eff. in kA	11/6,5	14/8,2	24/12	48/22	63/30	70/33	



Commercial Ref.

48687

160A-630A TN horizontal busbar support cover

INSTALLATION COMPONENTS accessories

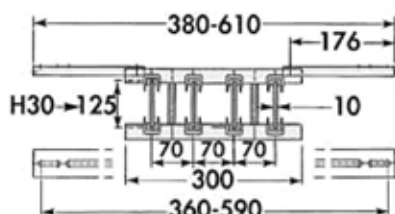
BUSBAR SUPPORTS



Commercial Ref.

48685

1/10 TN (2250A) busbar support



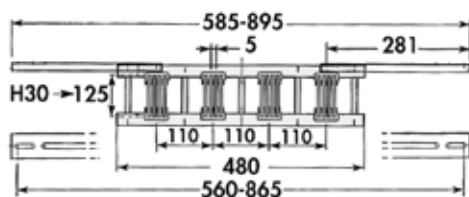
Bar diameter	Maximum distance between busbar supports - l _{cw} kA eff. 1 s./pk kA									
l _{cc} eff. in kA	12/24	23/48	30/63	39/82	52/114	66/145	69/152	75/165	85/187	95/209
30	1000	569	456	351	251	197	189	161	125	100
40	1000	688	527	405	290	208	190	161	125	100
50	1000	769	590	453	324	208	190	161	125	100
60	1000	843	646	497	336	208	190	161	125	100
80	1000	973	746	574	336	208	190	161	125	100
100	1000	1000	834	641	336	208	190	161	125	100
125	1000	1000	914	656	336	208	190	161	125	100



Commercial Ref.

48680

4/5 TN (3500A) busbar support



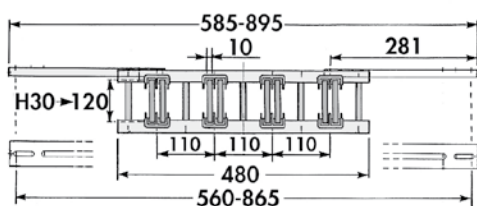
Bar diameter	Maximum distance between busbar supports - l _{cw} kA eff. 1 s./pk kA										
l _{cc} eff. in kA	12/24	23/48	30/63	39/82	52/114	66/145	69/152	75/165	85/187	95/209	105/231
30	752	373	286	220	157	123	118	108	*	*	*
40	868	431	330	254	181	143	136	125	111	*	*
50	971	482	369	284	203	160	153	140	124	111	*
63	1000	541	414	319	228	179	171	158	139	118	*
80	1000	610	467	359	257	202	193	178	148	118	*
100	1000	682	522	402	287	226	216	190	148	118	*
125	1000	762	584	409	321	245	224	190	148	118	*
30	1000	528	404	311	222	175	167	154	136	121	110
40	1000	610	467	359	257	202	193	178	157	140	127
50	1000	682	522	402	287	226	216	199	175	157	140
63	1000	765	587	441	323	254	243	223	197	171	140
80	1000	863	661	508	364	286	274	252	214	171	140
100	1000	965	739	568	407	320	306	275	214	171	140
125	1000	1000	827	636	455	355	325	275	214	171	140
30	1000	647	496	381	272	214	205	189	166	149	134
40	1000	747	572	440	315	248	237	218	192	172	155
50	1000	835	640	492	352	277	265	244	215	192	166
63	1000	938	719	553	395	311	298	274	241	203	166
80	1000	1000	810	623	446	351	336	309	253	203	166
100	1000	1000	906	696	498	392	375	326	253	203	166
125	1000	1000	1000	779	557	421	385	326	253	203	166
30	1000	747	572	440	315	248	237	218	192	172	155
40	1000	863	661	508	364	286	274	252	222	199	180
50	1000	956	739	568	407	320	306	282	248	222	201
63	1000	1000	830	638	457	360	344	316	279	249	226
80	1000	1000	935	719	515	405	388	357	314	281	254
100	1000	1000	1000	804	576	453	433	399	352	315	285
125	1000	1000	1000	899	644	507	485	446	393	352	288



Commercial Ref.

48681

2/10 TN (3600A) busbar support



Bar diameter	Maximum distance between busbar supports - l _{cw} kA eff. 1 s./pk kA										
l _{cc} eff. in kA	12/24	23/48	30/63	39/82	52/114	66/145	69/152	75/165	85/187	95/209	105/231
30	1000	747	572	440	315	248	237	218	192	172	155
40	1000	863	661	508	364	286	274	252	222	197	161
50	1000	965	739	568	407	320	306	282	247	197	161
60	1000	1000	810	623	446	351	336	309	247	197	161
80	1000	1000	935	719	515	405	375	317	247	197	161
100	1000	1000	1000	804	576	410	375	317	247	197	161
125	1000	1000	1000	881	631	410	375	317	247	197	161
30	1000	1000	810	623	446	351	336	309	272	243	220
40	1000	1000	935	719	515	405	388	357	314	281	237
50	1000	1000	1000	804	576	453	433	399	352	290	237
60	1000	1000	1000	881	631	497	475	437	362	290	237
80	1000	1000	1000	1000	728	574	549	466	362	290	237
100	1000	1000	1000	1000	814	601	550	466	362	290	237
125	1000	1000	1000	1000	892	601	550	466	362	290	237

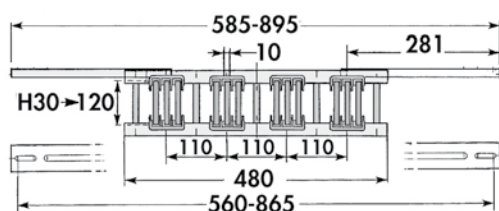
BUSBAR SUPPORTS



Commercial Ref.

48688

3/10 TN (4500A) busbar support



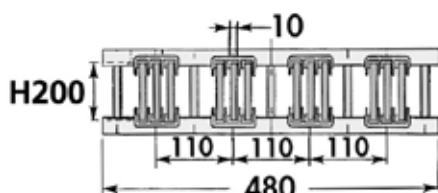
Bar diameter loc. eff. in kA	Maximum distance between busbar supports - l _{cw} kA eff. 1 s./lpk kA									
	12/24	23/48	30/63	39/82	52/114	66/145	69/152	75/165	85/187	105/231
30	1000	747	572	440	315	248	237	218	192	172
40	1000	863	661	508	364	286	274	252	222	199
50	1000	965	739	568	407	320	306	282	248	210
63	1000	1000	810	623	446	351	336	309	263	210
80	1000	1000	935	719	515	405	388	338	263	210
100	1000	1000	1000	804	576	437	400	338	263	210
120	1000	1000	1000	881	631	437	400	338	263	210



Commercial Ref.

48689

3/10 TN 200 (7400A) busbar support



Bar diameter loc. eff. in kA	Maximum distance between busbar supports - l _{cw} kA eff. 1 s./lpk kA									
	12/24	23/48	30/63	39/82	52/114	66/145	69/152	75/165	85/187	105/231
200	1000	1000	1000	1000	705	437	400	338	263	210
200	1000	1000	1000	1000	837	519	475	402	313	250
200	1000	1000	1000	1000	837	519	475	402	313	250

COPPER BARS



Commercial Ref.

48791

12 x 4 x 2000 flat copper bar: maximum rated current at 65°C 160A

48792

12 x 4 x 2000 threaded copper bar: maximum rated current at 65°C 160A

48793

15 x 5 x 1000 threaded copper bar: maximum rated current at 65°C 218A

48794

20 x 5 x 1000 threaded copper bar: maximum rated current at 65°C 274A

48795

32 x 5 x 2000 threaded copper bar: maximum rated current at 65°C 400A

Bar cross section (mm)	Bar Length (mm)	Type	Distance between drills (mm)	Nominal current (A)	
				85° C	65° C
12 x 4	2000	Flat	-	212	160
12 x 4	2000	M5	18	212	160
15 x 5	1000	M6	25	289	218
20 x 5	1000	M6	25	363	274
32 x 5	2000	M6	17,5	530	400

INSTALLATION COMPONENTS accessories

■ PROTECTION SCREEN



Commercial Ref.

48421	Lateral copper bar protection screen (1.000x500x3mm)
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■ CONNECTORS



Commercial Ref.

48283	5-50 mm ² busbar connector
48644	12x4 copper bar support
48645	12x4 cable clamps
48646	16-35 mm ² main cable clamp
48647	16-50 mm ² main cable clamp
48651	Sloping support
48652	30x30 bracket

■ CONNECTING COMBS



Commercial Ref.

48250	PIN-type 63A single-pole comb
48251	FORK-type 63A single-pole comb
48252	PIN-type 80A single-pole comb
48253	FORK-type 80A single-pole comb
48256	PIN-type 63A double-pole comb
48257	FORK-type 63A double-pole comb
48258	PIN-type 80A double-pole comb
48259	FORK-type 80A double-pole comb
48262	PIN-type 63A triple-pole comb
48263	FORK-type 63A triple-pole comb
48264	PIN-type 80A triple-pole comb
48265	FORK-type 80A triple-pole comb
48268	PIN-type 63A quadruple-pole comb
48269	FORK-type 63A quadruple-pole comb
48270	PIN-type 80A quadruple-pole comb
48271	FORK-type 80A quadruple-pole comb
48274	Final comb 2x63-2x80-3x63-3x80
48275	Final comb 4x63-4x80

DIN RAILS ■



Commercial Ref.

48783	<i>DIN profile symmetrical and plain 35x15; 5 bars 425 mm</i>
48784	<i>DIN profile symmetrical and plain 35x15; 5 bars 625 mm</i>
48785	<i>DIN profile symmetrical and plain 35x7.5; 2 m bar</i>
48786	<i>DIN profile symmetrical and plain 35x15; 2 m bar</i>
48787	<i>DIN profile symmetrical and grooved 35x7.5; 2 m bar</i>
48788	<i>DIN profile symmetrical and grooved 35x15; 2 m bar</i>

SPACERS ■



Commercial Ref.

48531	<i>Countersunk washer D=6</i>
48669	<i>M6 Insulated nut</i>
48670	<i>M6 Insulated cap</i>
48671	<i>M6 15 mm insulated spacer</i>
48672	<i>M6 20 mm insulated spacer</i>
48673	<i>M6 30 mm insulated spacer</i>
48674	<i>M6 45 mm insulated spacer</i>
48675	<i>M6 60 mm metallic spacer</i>
48676	<i>M6 70 mm metallic spacer</i>
48677	<i>M6 80 mm metallic spacer</i>
48678	<i>M6 90 mm metallic spacer</i>
48679	<i>M6 100 mm metallic spacer</i>

CABLE SLEEVING ■



Commercial Ref.

48286	<i>6 mm sleeve (50 m)</i>
48287	<i>12 mm sleeve (25 m)</i>
48288	<i>16 mm sleeve (25 m)</i>
48289	<i>22 mm sleeve (25 m)</i>

INSTALLATION COMPONENTS accessories

NUTS & BOLTS

Commercial Ref.	
	48429 M6 cage nuts (100 pcs. bag)
	48416 M6 - normal cage nut (100 pcs. bag)
	48435 M8 cage nuts with 3 mm wing (100 pcs. bag)
	48424 M6x19 Torx-trilobular countersunk screw (100 pcs. bag)
	48425 M6x12 Torx-tribular pan head screw (100 pcs. bag)
	48468 M8x16 Allen screw (100 pcs. bag)
	48430 M6x10 Torx - Non-rotating screw 8.8 hardness (100 pcs. bag)
	48470 M12x20 Allen screw (100 pcs. bag)
	48476 M6x10 HEX PH+R - Non-rotating screw 4.8 hardness (100 pcs. bag)
	48434 M6x20H DIN965 screw (100 pcs. bag)
	48417 M8 Non-rotating nut (100 pcs. bag)
	48433 M6 DIN 934 nuts (100 pcs. bag)
	48418 Clipping plug 3.5x13 (100 pcs. bag)
	48428 5x11 rivets (100 pcs. bag)
	48431 M4x7 Self-tapping sheet metal screws (100 pcs. bag)
	48432 DIN7981 F 3,5x6,5 machined screws (100 pcs. bag)
	48436 Plastic caps (flush-fit doors) (100 pcs. bag)
	48438 Plastic cap for machined screws in the reversibility of Argenta and Atlantic series (100 pcs. bag)
	48511 Plastic cap for reversibility of Argenta doors (100 pcs. bag)
	48439 Turning bushes (flush-fit boards) (100 pcs. bag)
	48512 Machined screw for cable entries lid (100 pcs. bag)

VENTILATION ■



VENTILATION LOUVRES

Commercial Ref.	Dimensions (mm)	
49330	180 x 130	IP30 Ventilation louvres (2 pcs.)
49331	105 x 154	IP30 Ventilation louvres (2 pcs.)
49332	130 x 250	IP30 Ventilation louvres (2 pcs.)
49335	167 x 105	IP30 Ventilation louvres (2 pcs.)
49336	167 x 105	IP33 Ventilation louvres with watertight gaskets (2 pcs.)



FILTER FAN

Made with self-extinguishing PC-FR frame and grille, ABS UL94 V0

Com. Ref.	Nominal voltage	Free air flow	Cut dimension; wall thickness up to 2 mm	External dimensions	Absorbed power	Internal depth	Noise level (db A)	Level of protection
49344	230V/AC	55 m³/h / 18 W/K	125x125	150x150	22W	71	43	IP54
49346	24V/DC	55 m³/h / 18 W/K	125x125	150x150	9W	71	45	IP54
49648	230V/AC	100 m³/h / 34 W/K	177x177	204x204	24W	92	43	IP54
49649	24V/DC	110 m³/h / 34 W/K	177x177	204x204	9W	92	45	IP54
49345	230V/AC	230 m³/h / 78 W/K	225x225	250x250	40W	113	53	IP54
49347	24V/DC	230 m³/h / 78 W/K	225x225	250x250	26W	113	61	IP54
49650	230V/AC	370 m³/h / 121 W/K	225x225	250x250	70W	104	65	IP54
49342	230V/AC	500 m³/h / 165 W/K	291x291	325x325	70W	145	65	IP54
49343	230V/AC	630 m³/h / 210 W/K	291x291	325x325	130W	145	72	IP54

FILTER GRILLES (FILTER INCLUDED)

Commercial Ref.	Installation cut out
49337	Filter grilles for fan of 150x150 IP54 125 x 125
49640	Filter grilles for fan of 204x204 IP54 177 x 177
49338	Filter grilles for fan of 250x250 IP54 225 x 225
49339	Filter grilles for fan of 325x325 IP54 291 x 302

Considering the filter fan assembling dimensions

PACK FILTER MESH

Commercial Ref.	
48301	IP54 filter mesh for fans 49344 & 49346 (10 units)
48302	IP54 filter mesh for fans 49345, 49347 & 49650 (10 units)
48303	IP54 filter mesh for fans 49342 & 49343 (10 units)
48305	IP54 filter mesh for fans 49648 & 49649 (10 units)

INSTALLATION COMPONENTS accessories

■ VENTILATION



CEILING FAN

Variation of the air flow $\pm 15\%$

Com. Ref.	Nominal AC Voltage	Free air flow	Cut size; wall thickness up to 2 mm	External dimensions	Absorbed power	Noise level (db A)	Level of protection
48308	230V 50/60Hz	451/479 m ³ /h	189x189	324x324x94	80/85 W	59/61	IP54
48309	230V 50/60Hz	468/502 m ³ /h	255x255	375x295x119	62/78 W	59/61	IP54
48310	230V 50/60Hz	680/723 m ³ /h	255x255	375x295x119	158/213 W	70/71	IP54

UL Certified

■ HEATING



HEAT RESISTANCE (PROTECTION CLASS II)

Com. Ref.	AC/DC Voltage	Heating power (Tu=+20°C)	Max. surface temperature	Temperature range	Dimensions (HeightxWidthxDepth)	Level of protection
48314	110-250 V	10 W	< 85 °C	-45 °C + 70°C	98x38x75	IP20
48315	110-250 V	20 W	< 85 °C	-45 °C + 70°C	98x38x75	IP20
48316	110-250 V	30 W	-	-45 °C + 70°C	109x70x60	IP20
48317	110-250 V	50 W	< 80 °C*	-45 °C + 70°C	110x60x90	IP20
48318	110-250 V	60 W	-	-45 °C + 70°C	184x70x60	IP20
48319	110-250 V	100 W	< 80 °C*	-45 °C + 70°C	110x60x90	IP20
48320	110-250 V	150 W	< 80 °C*	-45 °C + 70°C	150x60x90	IP20

UL Certified

* Except on top rack



HEAT RESISTANCE WITH FAN

Com. Ref.	Voltage AC	Heating power (Tu=+20°C)	Max. surface temperature	Temperature range	Dimensions (HeightxWidthxDepth)	Level of protection
48321	230V 50/60Hz	250 W	70 °C	-45°C + 70°C	182x85x100	IP20
48322	230V 50/60Hz	400 W	75 °C	-45°C + 70°C	222x85x100	IP20

Fan air flow 50 m³/h (50Hz) UL Certified

■ LAMPS



Com. Ref.

48296	Schuko socket magnetic attachment lamp
48297	French socket magnetic attachment lamp
48298	Swiss socket magnetic attachment lamp
48299	British socket magnetic attachment lamp

Voltage AC

230V 50/60Hz
230V 50/60Hz
230V 50/60Hz
230V 50/60Hz

CONTROLLERS




Ref. 48325
Simple
thermostat

Ref. 48326
Double
thermostat
(NC/NO)

Com. Ref.		Maximum rated power AC/240V	Temperature range	Operating/storage temperature	Humidity control	Level of protection
48325	Simple	AC/240V 10A (4)A/DC 30W	+5°C +60 °C	-45°C +65°C	-	IP20
48326	Double	AC/240V 10A (2)A/DC 30W	0 °C +60 °C	-45°C +65°C	-	IP20
UL Certified						



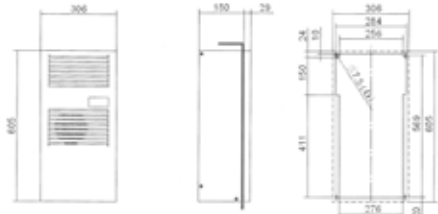

Ref. 48327
Electronic
hygrostat

Ref. 48328
Double
Hygrotherm

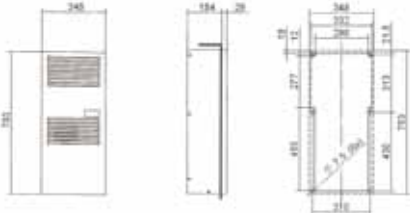
Com. Ref.		Maximum rated power AC/240V	Temperature range	Operating/storage temperature	Humidity control	Level of protection
48327	Hygrostat	AC/240V 8A(1,6) A/DC 24W 4A	-	0 °C +60 °C/-20a +70°C	40-90%	IP20
48328	Hygrotherm	AC/240V 8A(1,6) A/DC 24W 4A	0 °C +60 °C	-40a +60 °C/-20a +80°C	40-90%	IP20
UL Certified						

AIR CONDITIONERS

	Com. Ref.		Voltage	Cooling capacity (A35/A35)	Cooling gas	External dimensions (Height x Width x Depth)	Level of protection
	48331	Surface	230V	820 W	R134a	783x348x215	IP54
	48332	Surface	230V	1.000 W	R134a	783x348x215	IP54
	48333	Partially flush mounted	230V	640 W	R134a	606x316x209	IP54
	48334	Partially flush mounted	230V	820 W	R134a	783x348x213	IP54
	48336	Partially flush mounted	230V	1.000 W	R134a	783x348x213	IP54
	48341	Roof	230V	410W	-	264x259x486	IP54



Ref. 48330-48333



Ref. 48331-48332-48334-48336

EXCHANGER PHASE

	Com. Ref.	Voltage	Absorbed power	Free air flow	Temperature range	External dimensions (Height x Width x Depth)	Level of protection
	48360	230V	140W	570m ³ /h	-5°C +55°C	771x316x93	IP54

DEVICES

 Ref. 48337 Pressure compensator	Com. Ref.	Water evacuation	Torque	Dimensions	Operating/storage temperature	RAL	Level of protection
	48337	-	-	70x50x21	-	7035	IP45
	48338	1.200 l/h (70 mbar)	5 Nm (10 Nm max)	Ø 60x37	-45°C +70°C	7035	IP66/IP67
	48339	200 ml/h*	6 Nm max	Ø 60x49,5	-45°C +70°C	7022	IP66/IP67
* In a 5 mm water column							

Fenix

■ RF60 FIRE PROTECTION DOORS

In an attempt to continuously satisfy the market needs, IDE presents its Fireproof Covers. They are especially designed to be installed in corridors of buildings to act as protectors for the electrical wiring and as a fire barrier in the event of fire, actively preventing flame propagation.

The **metal covers** are made of cold-rolled steel plate and they have an insulating panel comprised of a silica sand compound that prevents flame propagation.

They are available in three different sizes: 450x500 mm, 500x700 mm and 300x1350 mm, thus adapting to the requirements of the applicable regulation. They are manufactured in accordance with the requirements of the **REBT: 2002** (Low voltage electro-technical regulation) and are certified in accredited laboratories according to UNE and EN standards, having obtained the E1260 qualification.



TECHNICAL DATA

■ degree of protection	IP43
■ resistance to impact	IK10
■ fire resistance	EI₂60
■ materials	
door and frame in cold laminated steel	
lockers in stainless steel	
hinges in stainless steel	
intumescent gasket in exfoliated graphite	
insulating panel with silica sand and fibre glass	

registers manufactured under REBT: 2002. Certificates obtained in accredited laboratories under norms EN 13501-2:2004 and EN 1634-1:2000.

technical FEATURES

Materials: Manufactured from cold laminated steel. Doors and frames are covered with high resistance paint on RAL 9003



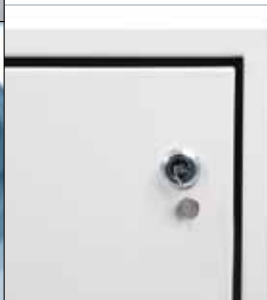
Insulate plate which can stand temperatures up to 1300°C. Manufactured with special material that reduces thickness of the door

Hinges. Fire resistance stainless steel door hinges

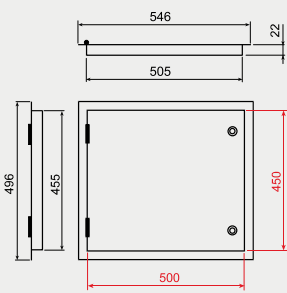


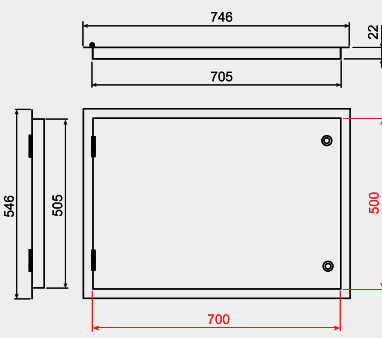
Gasket placed at the internal side of the frame. It expands when the temperature rises in order to avoid hot gases to get through. Expandable by 10 times its original size

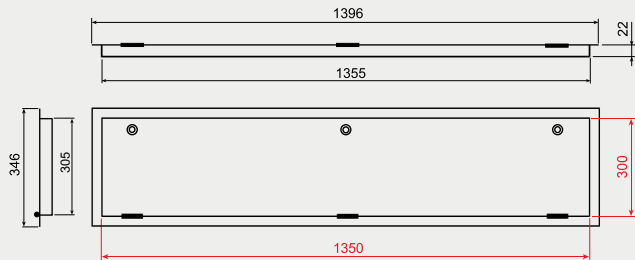
Extendable wings for a perfect flush-fitted installation, the door remains at the same level as the wall, with just the hinges jutting out

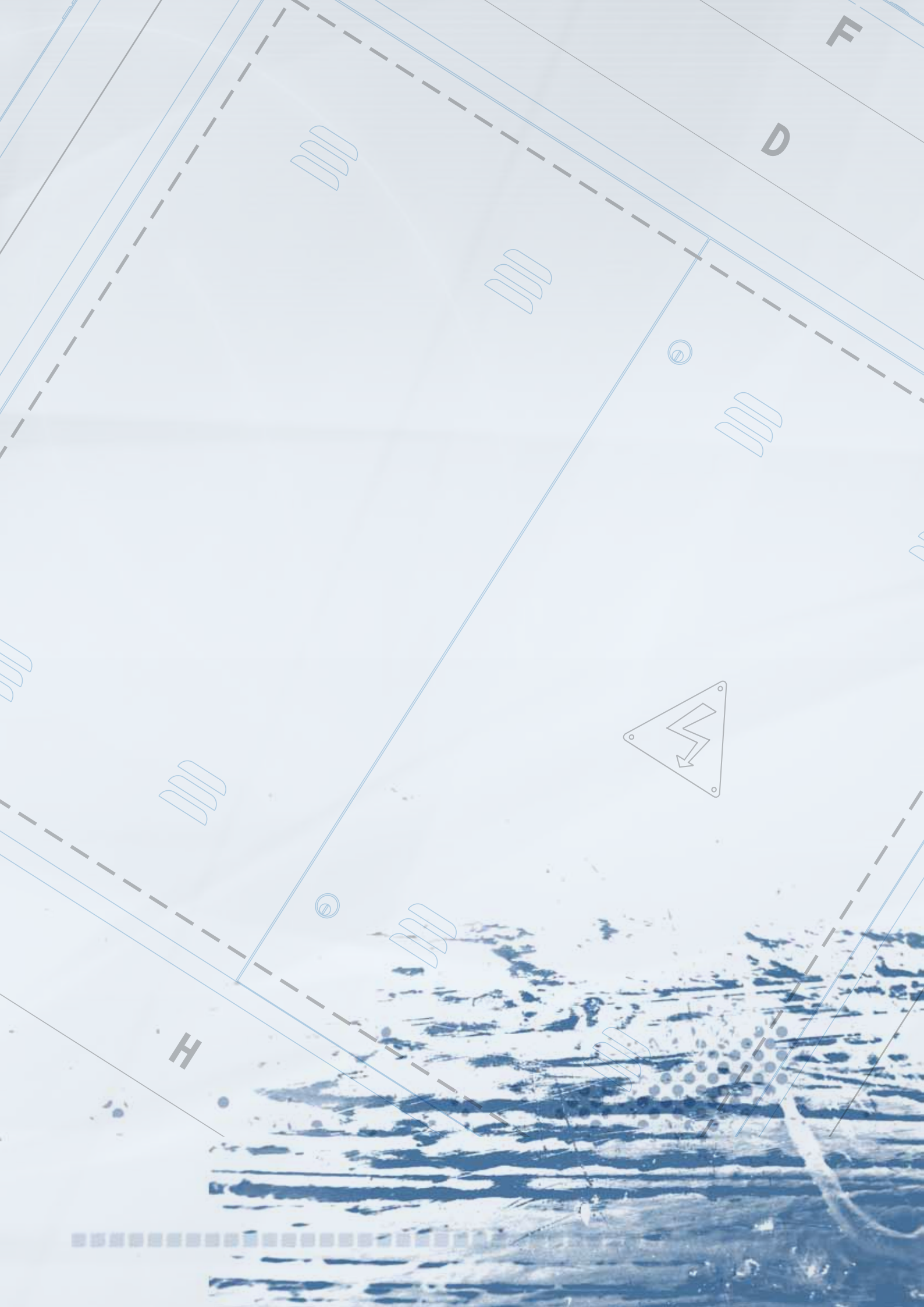


Lockers in stainless steel, according to REBT: 2002 normative

	Commercial Ref. 60RF4550 <i>Fire resistance: 60 minutes</i>	
	TYPE: RF60MET WALL RECESS: 455x505x22 mm	
IP43		

	Commercial Ref. 60RF5070 <i>Fire resistance: 60 minutes</i>	
	TYPE: RF60MET WALL RECESS: 505x705x22 mm	
IP43		

	Commercial Ref. 60RF30135 <i>Fire resistance: 60 minutes</i>	
	TYPE: RF60MET WALL RECESS: 305x1.355x22 mm	
IP43		



TECHNICAL STANDARDS

IP : Protection degree against entry of solid parts and water to internal parts of the component.

IP **XX** ————— Protection degree against entry of water (from 0 to 8)
 Protection degree against access of solid parts and shock hazard protection (from 0 to 6)

■ DEGREE OF PROTECTION

IP	IP 0X	IP 1X	IP 2X	IP 3X	IP 4X	IP 5X	IP 6X
Shock hazard protection	Not protected	Protected against contact with back of hand (gauge probe diam. 50 mm.)	Protected against contact with finger (jointed metal finger diam. 12 mm. length 80 mm.)	Protected against contact with tool (gauge probe diam. 2,5 mm.)	Protected against contact with wire (gauge probe diam. 1 mm.)	Protected against contact with wire (gauge probe diam. 1 mm.)	Protected against contact with wire (gauge probe diam. 1 mm.)
Protection against entry of solid parts	Not protected	Solid item larger than 50 mm.	Solid item larger than 12,5 mm.	Solid item larger than 2,5 mm.	Solid item larger than 1 mm.	Dust in harmful quantities	Dust overall

■ DEGREE OF PROTECTION AGAINST ENTRY OF WATER

IP X0	IP X1	IP X2	IP X3	IP X4	IP X5	IP X6	IP X7	IP X8
Not protected	Protected against vertical dropping of water	Protected against vertical dropping of water over a component in a max. inclination degree of 15°	Protected against sprayed water	Protected against splashed water	Protected against water jets	Protected against strong water jets	Protected against temporary immersion in water	Protected against continuous immersion in water

IK : Degree of protection against impacts

IK **XX** ————— Indication of energy rate of impact.

IK	IK 00	IK 01	IK 02	IK 03	IK 04	IK 05	IK 06	IK 07	IK 08	IK 09	IP 10
Energy rate of impact (jules)	Not protected	0,15	0,2	0,35	0,5	0,7	1	2	5	10	20

■ GENERAL EXPORT SALES CONDITIONS

These Sales Conditions are applied to all orders sent directly to **I DIVISIÓN ELÉCTRICA, S.A.** main office. They shall also be applied to those orders requested to any Agent or Representative authorized by **I DIVISIÓN ELÉCTRICA, S.A.**

Sales prices will be those in force at the time of the order, specified in a Price List duly identified. Benefits and discounts agreed in each case will also be applied.

Our prices include a standard packing. Orders must always be multiple of IDE's standard packing units. **I DIVISIÓN ELÉCTRICA, S.A.** may apply its right to modify requested units of any reference if not properly adjusted to multiple of packing.

Prices are quoted under EXWORK terms. Other conditions must be agreed between the customer and **I DIVISIÓN ELÉCTRICA, S.A.** Minimum order requirements €3,000.

Goods will be delivered at the shortest possible time depending on the availability of the requested products. Partial shipments can be allowed in case of urgency of delivery. IDE is not liable for any possible lost or harm during the transport of goods. Transport damage has to be confirmed immediately by the client, as there is otherwise no compensation.

Returned material must always be authorized by the Commercial Department of **I DIVISIÓN ELÉCTRICA, S.A.** Authorized returns should travel free of transport expenses to our warehouse. In any case, returns should be done within a maximum period of 30 days from the date of the order, unless there is a special agreement. All returned goods will have a minimum depreciation of 15% of its value due to our internal reviewing and restocking process. This depreciation could be higher due to the product conditions or manipulation needs.

Stipulated price will be paid by the BUYER in the due date. In the case of **I DIVISIÓN ELÉCTRICA, S.A.** accepting any payment postponement, the BUYER undertakes to accept subsequent rates and expenses.

All goods delivered are property of **I DIVISIÓN ELÉCTRICA, S.A.** until their full payment has been done. **I DIVISIÓN ELÉCTRICA, S.A.** does not accept any economic penalty due to delay in delivery time, unless there is a written and accepted agreement indicating it.

All goods manufactured by **I DIVISIÓN ELÉCTRICA, S.A.** are GUARANTEED according to current directives. In order to benefit from them, the BUYER must immediately acknowledge the detected anomaly to **I DIVISIÓN ELÉCTRICA, S.A.**

I DIVISIÓN ELÉCTRICA, S.A. is committed to replace without any charge defective goods, which will remain property of **I DIVISION ELECTRICA, S.A.** in order to analyze and correct the defects.

The GUARANTEE does not include products deteriorated by handling or inadequate assembly, improper storage or maintenance, or those products that have suffered any modification without previous written authorization by **I DIVISIÓN ELÉCTRICA, S.A.**

In case of litigation the BUYER will submit to the Jurisdiction of the Courts of Zaragoza – Spain, with renounce to any other law-code.



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