



Quality products



GENERAL CATALOGUE





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1st EDITION 2017

IDE ELECTRIC, S.L.



IDE Electric, S.L.

IDE is a company located in Aragon (Spain) which operates in the international electrical sector. It engages in the manufacture of plastic enclosures and metal cabinets for low-voltage electricity distribution and for the telecommunications sector. It also manufactures and markets power sockets for household and industrial use. All its series feature internationally-patented products.

Since it was founded in 1987, the company has been driven by innovation, quality and the technological development of its products and production processes.

This strategy of investing in ongoing improvement has led it to become one of the leading professional electrical material brands in the international electrical market.

The quality and the design of IDE's products, as well as the effective and personalised service it offers, has consolidated its position on the market with a loyal client portfolio.

SAFETY, RELIABILITY AND DESIGN FOR ALL ENVIRONMENTS



Available tools

CEC Panel set-up program

A powerful tool for configuring customised panels for every installation. It contains the full IDE catalogue and allows you to prepare complete budgets for metal cabinets and site panels, permitting the selection of all the accessories offered by IDE.

Through our website, www.ide.es, you will be able to subscribe to our CEC program.



Our website www.ide.es allows you to access all our products in just one click.

- Catalogues, price lists, technical specifications.
- Certificates.
- 2D and 3D drawings.
- Latest news and events.

Our R&D&I Department offers specialised and personalised technical advice.

You can use the export@ide.es email address for any technical queries you might have and send your RFQs for special assemblies, site panels or projects requiring particular specifications.



Industrial cabinets

A specific product for each environment



ARGENTA AND ARGENTA PLUS SERIES

Wall-mounting cabinets and floor-standing cabinets

ARGENTA INOX SERIES

Wall-mounting cabinets

Industrial environments

Manufacturing companies that require a high degree of protection against dust, splattering and impacts.

Materials and technical characteristics of the product:

- Rolled steel.
- Degree of protection: IP66 / NEMA 1, 12, 4.
IP55 / NEMA 1, 12.
- Resistance to impact: IK10.

Families:

- Wall-mounting cabinets (Argenta).
- Floor-standing cabinets (Argenta Plus).

Industrial environments with extremely aggressive agents or saline environments

Food, chemical and petrochemical industries, where a high degree of hygiene is required. Sea ports and areas with a high salt or chlorine concentration.

Materials and technical characteristics of the product:

- AISI 304L stainless steel (food environments).
- AISI 316L stainless steel (marine or chlorine environments).
- Degree of protection: IP66 / NEMA 1, 12, 4x.
IP55 / NEMA 1, 12.
- Resistance to impact: IK10.

Families:

- Wall-mounting cabinets (Argenta INOX).



ARGENTA ATEX SERIES

Wall-mounting cabinets in rolled steel and stainless steel versions



GLASS AND ROC SERIES

Wall-mounting cabinets and double-insulated polyester boxes

Environments with potentially explosive atmospheres

Hazardous areas with the possibility of explosive atmosphere due to the presence of flammable gases, vapours, mists or dust in which an explosion may occur after ignition.

Materials and technical characteristics of the product:

- Rolled steel with ATEX marking.
- Stainless steel with ATEX marking.
- Degree of protection (rolled steel): IP66 / NEMA 1, 12, 4.
- Degree of protection (stainless steel): IP66 / NEMA 1, 12, 4x.
- Resistance to impact: IK10.

Families:

Wall-mounting cabinets (Argenta ATEX). In rolled steel and stainless steel versions.

Outdoor facilities

Food, chemical and pharmaceutical industries, transformer sub-stations and outdoor areas where durability and resistance against chemicals and UV rays are necessary.

Materials and technical characteristics of the product:

- Polyester.
- Degree of protection: IP66 / IP55.
- Resistance to impact: IK10 / IK09.

Families:

- Polyester cabinets (Glass Series).
- Double-insulated polyester boxes (Roc Series).



ECO-STAR system

Ecology series (distribution boxes) + Star Series (wall-mounted enclosures for industrial sockets)

The IP65 watertight distribution boxes (Ecology series) and IP65 units for power sockets (Star series) are manufactured with the highest quality halogen-free plastic materials. They have ample room for cables and extensive modular capacity. They are intended for indoor and outdoor use, where enclosures with a high degree of protection and design are required.

Combined with each other, they offer the installer the most versatile, fully professional and internationally-certified solution to combine distribution boxes and units for industrial sockets.



M25 BUSHING.



M40 BUSHING.

Joining these two models makes it possible to create large-sized power supply and distribution enclosures.

The boxes have premoulded markings on the sides that allow the easy installation of M25 and M40 cable glands for joining the boxes. They can be joined both vertically and horizontally.

The use of two M25 cable glands or a combination of an M25 cable gland and an M40 cable gland is recommended when more space is needed to run the cables.



Quality



- IDE's main missions include innovation and quality as a means to constant improvement. The R&D&I and Quality departments work smoothly together to develop new projects that comply with all the international quality and safety standards governing the electrical market.
- IDE's products undergo regular quality controls such as glow-wire resistance, dust and watertightness, and resistance to impact to ensure proper compliance with the current electrical regulations.





Protection Rating

IP :Protection of the enclosure against the entry of liquids and solid objects.

IP XX

Degree of watertightness (from 0 to 8)
 Degree of protection against the entry of solid objects (from 0 to 6)

Degree of protection against solid objects

IP	IP 0X	IP 1X	IP 2X	IP 3X	IP 4X	IP 5X	IP 6X
Equipment protection	No protection	Solid objects above Ø 50 mm	Solid objects above Ø 12.5 mm	Solid objects above Ø 2.5 mm	Solid objects above Ø 1 mm	Dust tightness	Full dust tightness
Protection of persons	No protection	Unintended impact on the hand	Fingers	Tools and screws	Fine tools and small wires	Dust tightness	Full dust tightness

Degree of watertightness

IP X0	IP X1	IP X2	IP X3	IP X4	IP X5	IP X6	IP X7	IP X8
	Vertical fall of water drops (condensation)	Water fall up to 15° from the vertical	Rain water up to 60° from the vertical	Water projection in every direction	Water thrown in every direction	Water thrown similar to a wave slap	Immersion	Prolonged effects of immersion in specific conditions

IK :Protection against mechanical impact

IK XX

Resistance to impact in Joules

Degree of protection against mechanical impact














IK	IK 00	IK 01	IK 02	IK 03	IK 04	IK 05	IK 06	IK 07	IK 08	IK 09	IK 10
Shock Energy (Joules)	No protection	0.15	0.2	0.35	0.5	0.7	1	2	5	10	20

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MUNDIAL 306

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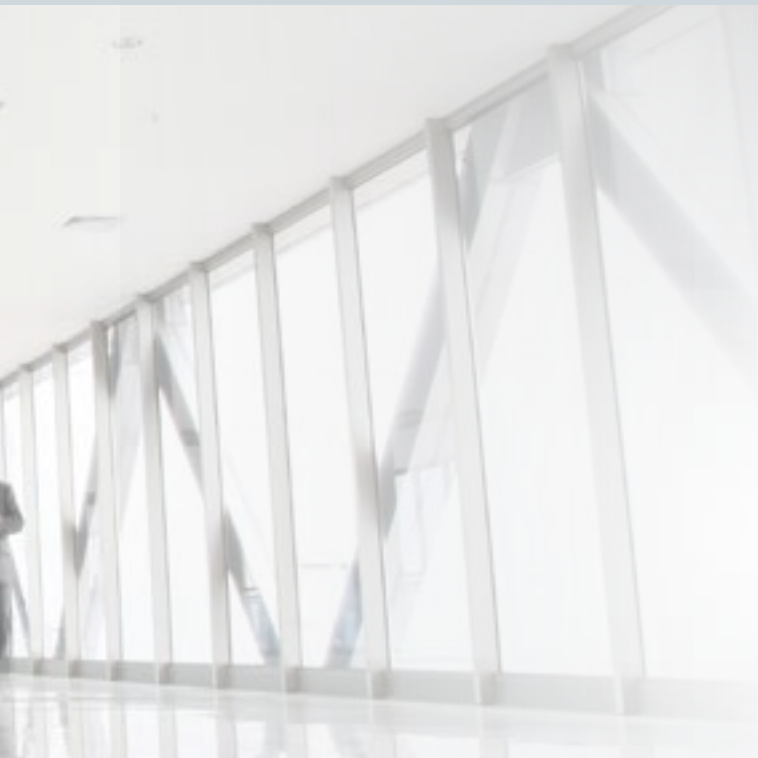
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Industrial cabinets and enclosures **STEEL AND POLYESTER**

ARGENTA
GLASS
TECNO
ROC
ARGENTA PLUS
BALTIC
ATLANTIC (48-192 MODULES)
ATLANTIC PLUS (192-288 MODULES)
INSTALLATION COMPONENTS



IP66 Steel wall-mounting cabinets

The ARGENTA Series is a group of steel enclosures used to house electrical or electronic switchgear, control gear and equipment necessary to supply, distribute and transform electricity in industrial installations.

This series comprises an extensive range of standard models made with premium-quality materials in cold-rolled steel plate or stainless steel. Both of these materials are available in ATEX version and are intended for installation in potentially explosive atmospheres.

The design and manufacture of this product line is flexible and can be customized for settings that require specific dimensions depending on user requirements and installations.

The full range is accompanied by a set of complementary accessories: mounting plates, inner doors, canopies, eyebolts, ventilation systems, chassis, etc.



ARGENTA Technical Specifications

- **Degree of protection:**
Single-door cabinets: IP66 / NEMA 1, 12, 4.
Double-door cabinets: IP55 / NEMA 1, 12.
 - **Resistance to impact:**
Opaque door: IK10.
Transparent door: IK09.
 - **Ambient temperature range:** -25 °C / +40 °C.
 - **Maximum operating voltage:** 1000 V AC.
 - **Maximum temperature for sealing gasket:** 80 °C.
 - **Maximum temperature for polyester paint:** 125 °C.
- (See references on page 20)

ARGENTA ATEX Technical Specifications

- **Degree of protection:**
Cold-rolled steel cabinets: IP66 / NEMA 1, 12, 4.
Stainless steel cabinets: IP66 / NEMA 1, 12, 4x.
 - **Resistance to impact:** IK10.
 - **Ambient temperature range:**
Cabinets with polyurethane sealing gasket: -25 °C / +60 °C.
Cabinets with silicone rubber gasket: -55 °C / +100 °C.
 - **Maximum operating voltage:** 1000 V AC.
- (See references on page 28)

ARGENTA INOX Technical Specifications

- **Degree of protection:**
Single-door cabinets: IP66 / NEMA 1, 12, 4x.
Double-door cabinets: IP55 / NEMA 1, 12.
 - **Resistance to impact:** IK10.
 - **Ambient temperature range:** -25 °C / +40 °C.
 - **Maximum operating voltage:** 1000 V AC.
 - **Maximum temperature for sealing gasket:** 80 °C.
- (See references on page 34)

ARGENTA Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1-3 (as applicable).
UL508A and Gost-R certificates.
Bureau Veritas according to UNE-EN62208 standards.
Certificate for boats.

ARGENTA ATEX Certifications



Compliant with the 2014/34/UE directive.
Certified by LOM: Cabinets with polyurethane sealing gasket (-25 °C / +60 °C). UNE-EN60079-0, UNE-EN60079-7 and UNE-EN60079-31 standards.
Certified by Dekra: Cabinets with silicone rubber gasket (-55 °C / +100 °C). IECex Certificate. CEI 60079-10-1 and CEI 60079-10-2 standards.
II 2GD – Ex e IIC Gb – Ex tb IIIC Db.

ARGENTA INOX Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1 (as applicable).
UL508A Certificate.



Product series

Standard

- Opaque door cabinets with mounting plate.

To order

- Opaque door cabinets without mounting plate (add /SP to the standard reference).
- Transparent single-door cabinets with mounting plate (add GNT to the reference).
- Special cabinets, dimensions, cut-outs, colours, etc.

Supply

- Supplied in individual packaging containing cabinet, plate and accessory bag.

Blind plate

- For cabinets with a height of up to 700 mm they are supplied unassembled inside the packaging.
- For cabinets with a height of up to 800 mm and above they are supplied assembled.

Accessory bag:

- 4 watertight caps (if the wall-mounting cut-out holes are not used).
- Nut and washer kit for securing the earth wire.
- Plate height adjusters, nuts, washers and drainage caps.
- Key.
- Cable entry lid and fixing screws.
- Assembly instructions.

Personalised solutions, a specific design for each need

Material

- Cold-rolled steel EN10130+A1.
- Injected polyurethane sealing gasket.

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 µ, with UV protection.
- Corrosion resistance according to the UNE-EN62208 standard. C4-M classification according to the ASIM B-117:97, ISO 9227:07 and ISO 12944-6-98 standards.
- Specific coating treatments can be applied to order, to increase the degree of corrosion resistance to reach the C5-H classification.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 7035 polyester paint, thickness between 80-120 microns. A1.02 paint system according to the UNE-EN ISO 12944-5 standard.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.

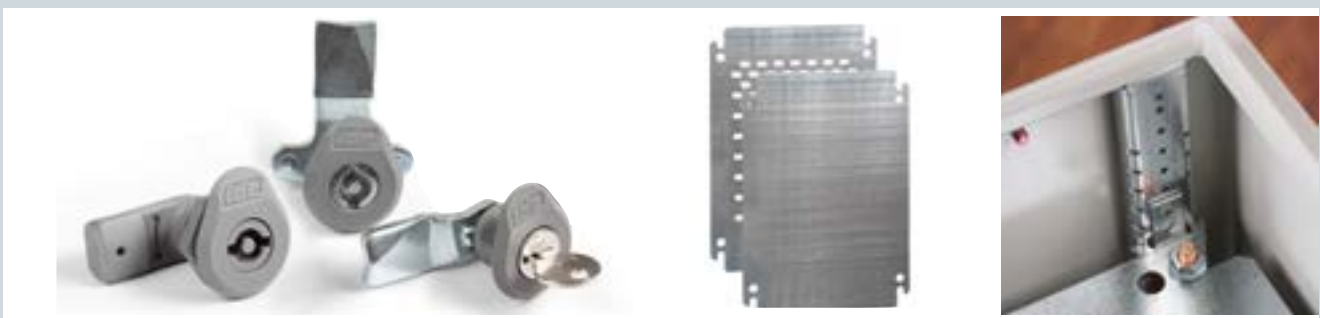


Body

- Manufactured in cold-rolled steel from a single cross-shaped part.
- Totally reversible cabinet.
- Sheet thickness:
1.2 mm for cabinets from 250x200 to 600x500.
1.5 mm for cabinets from 600x600 to 1400x1000 mm.
- Wall-mounting by means of four Ø 9 mm cut-out holes.
- Wall-mounting support leaving a gap of 11 mm (supplied as an accessory).
- Four M8x25 bolts at the back of the cabinet for securing plates, adjustment elements or chassis.
- M6x10 earth bolt located on the cabinet wall for joining body and door by means of earth wire.
- 1.2-mm thick cable entry lid with sealing gasket to guarantee IP protection.
- Double fold to prevent water from entering the cabinet.
- Drainage hole at the base of the cabinet to prevent condensation on the inside.

Door

- Possibility of opaque or transparent door with 110° reversible opening.
- Possibility of double door as of a width of 1000 mm.
- Concealed and removal hinges with quick-assembly and disassembly pins.
- Sheet thickness on opaque doors:
1.2 mm for cabinets from 250x200 to 600x400 mm.
1.5 mm for cabinets from 600x500 to 800x1000 mm.
2 mm for cabinets from 800x1200 to 1400x1000 mm.
- 4-mm thick tempered transparent glass door.
- Sealing gasket to guarantee IP protection.
- Welded reinforcement profiles with cut-out holes with a separation of 25 mm for fitting accessories.
- Door centring device included in cabinets with a height of 600 mm and greater.



Locking

- Standard 5-mm double-bit lock plus 5-mm key.
- Three-point rod lock for cabinets with a height of 1000 mm or greater.
- Other types of locks supplied as accessories.

Mounting plate

- Flat mounting plate included in all cabinet references.
- Made from galvanised sheet steel with a thickness of 2 mm.
- For cabinets with a height of 800 mm or greater, the plates have folds on the sides to provide greater rigidity.



IP66 opaque single-door cabinets. Rolled steel

Reference No.	Dim. Cabinet (AXBXC)	Dim. plate (AXB)	Sheet thickness		Cable entry (DXE)	No. locks	No. hinges	Reinf. prof.	Door with transparent panel H X W	Weight KG	Power dissipation according to temperature increase °C P(W)*				
			B	D							20	25	30	35	40
GN252015	250x200x150	220x150	1.2	1.2	80x150	1	2	1	171x55	3.50	19.75	24.68	29.62	34.55	39.49
GN252515	250x250x150	220x200	1.2	1.2	80x150	1	2	1	103x105	4.06	22.83	28.53	34.24	39.94	45.65
GN302015	300x200x150	270x150	1.2	1.2	80x150	1	2	1	221x55	3.91	22.77	28.46	34.16	39.85	45.54
GN302515	300x250x150	270x200	1.2	1.2	80x150	1	2	1	203x105	4.59	26.24	32.79	39.35	45.91	52.47
GN302520	300x250x200	270x200	1.2	1.2	80x150	1	2	1	203x105	5.53	31.13	38.91	46.70	54.48	62.26
GN303015	300x300x150	270x250	1.2	1.2	80x200	1	2	2	203x155	5.38	29.70	37.13	44.55	51.98	59.40
GN303020	300x300x200	270x250	1.2	1.2	140x230	1	2	2	203x155	6.11	34.98	43.73	52.47	61.22	69.96
GN304015	300x400x150	270x350	1.2	1.2	80x300	1	2	2	203x255	6.52	36.63	45.79	54.95	64.10	73.26
GN304020	300x400x200	270x350	1.2	1.2	140x300	1	2	2	203x255	7.35	42.68	53.35	64.02	74.69	85.36
GN403015	400x300x150	370x250	1.2	1.2	80x200	1	2	2	303x155	6.81	37.29	46.61	55.94	65.26	74.58
GN403020	400x300x200	370x250	1.2	1.2	140x230	1	2	2	303x155	7.35	43.56	54.45	65.34	76.23	87.12
GN404015	400x400x150	370x350	1.2	1.2	80x300	1	2	2	303x255	8.19	45.76	57.20	68.64	80.08	91.52
GN404020	400x400x200	370x350	1.2	1.2	140x300	1	2	2	303x255	9.60	52.80	66.00	79.20	92.40	105.60
GN404025	400x400x250	370x350	1.2	1.2	140x300	1	2	2	303x255	12.00	59.84	74.80	89.76	104.72	119.68
GN406020	400x600x200	370x550	1.2	1.2	140x500	1	2	2	303x455	12.89	71.28	89.10	106.92	124.74	142.56
GN406025	400x600x250	370x550	1.2	1.2	140x500	1	2	2	303x455	14.30	79.86	99.83	119.79	139.76	159.72
GN406030	400x600x300	370x550	1.2	1.2	140x500	1	2	2	303x455	15.36	88.44	110.55	132.66	154.77	176.88
GN503015	500x300x150	470x250	1.2	1.2	80x200	2	2	2	403x155	8.11	44.88	56.10	67.32	78.54	89.76
GN503020	500x300x200	470x250	1.2	1.2	140x230	2	2	2	403x155	8.96	52.14	65.18	78.21	91.25	104.28
GN503025	500x300x250	470x250	1.2	1.2	140x230	2	2	2	403x155	10.00	59.40	74.25	89.10	103.95	118.80
GN504015	500x400x150	470x350	1.2	1.2	80x300	2	2	2	403x255	10.76	54.89	68.61	82.34	96.06	109.78
GN504020	500x400x200	470x350	1.2	1.2	140x300	2	2	2	403x255	11.35	62.92	78.65	94.38	110.11	125.84
GN504025	500x400x250	470x350	1.2	1.2	140x300	2	2	2	403x255	12.46	70.95	88.69	106.43	124.16	141.90
GN504030	500x400x300	470x350	1.2	1.2	140x300	2	2	2	403x255	13.00	78.98	98.73	118.47	138.22	157.96
GN505015	500x500x150	470x450	1.2	1.2	80x300	2	2	2	403x355	12.33	64.90	81.13	97.35	113.58	129.80
GN505020	500x500x200	470x450	1.2	1.2	140x300	2	2	2	403x355	13.56	73.70	92.13	110.55	128.98	147.40
GN505025	500x500x250	470x450	1.2	1.2	140x400	2	2	2	403x355	14.81	82.50	103.13	123.75	144.38	165.00
GN505030	500x500x300	470x450	1.2	1.2	140x400	2	2	2	403x355	15.59	91.30	114.13	136.95	159.78	182.60
GN507020	500x700x200	470x650	1.2	1.2	140x500	2	2	2	403x555	21.51	97.02	121.28	145.53	169.79	194.04
GN604015	600x400x150	570x350	1.2	1.2	80x300	2	2	2	503x255	12.29	64.02	80.03	96.03	112.04	128.04
GN604020	600x400x200	570x350	1.2	1.2	140x300	2	2	2	503x255	13.68	73.04	91.30	109.56	127.82	146.08
GN604025	600x400x250	570x350	1.2	1.2	140x300	2	2	2	503x255	14.30	82.06	102.58	123.09	143.61	164.12
GN604030	600x400x300	570x350	1.2	1.2	140x300	2	2	2	503x255	15.36	91.08	113.85	136.62	159.39	182.16
GN605015	600x500x150	570x450	1.2	1.5	80x300	2	2	2	503x355	15.48	75.57	94.46	113.36	132.25	151.14
GN605020	600x500x200	570x450	1.2	1.5	140x400	2	2	2	503x355	15.98	85.36	106.70	128.04	149.38	170.72
GN605025	600x500x250	570x450	1.2	1.5	140x400	2	2	2	503x355	17.81	95.15	118.94	142.73	166.51	190.30
GN605030	600x500x300	570x450	1.2	1.5	140x400	2	2	2	503x355	19.35	104.94	131.18	157.41	183.65	209.88
GN606020	600x600x200	570x550	1.5	1.5	140x500	2	2	2	503x455	21.35	97.68	122.10	146.52	170.94	195.36
GN606025	600x600x250	570x550	1.5	1.5	140x500	2	2	2	503x455	23.20	108.24	135.30	162.36	189.42	216.48
GN606030	600x600x300	570x550	1.5	1.5	140x500	2	2	2	503x455	25.17	118.80	148.50	178.20	207.90	237.60
GN606040	600x600x400	570x550	1.5	1.5	140x500	2	2	2	503x455	30.09	139.92	174.90	209.88	244.86	279.84
GN608030	600x800x300	570x750	1.5	1.5	140x700	2	2	2	503x655	32.80	146.52	183.15	219.78	256.41	293.04
GN705015	700x500x150	670x450	1.5	1.5	80x300	2	2	2	603x355	19.37	86.24	107.80	129.36	150.92	172.48
GN705020	700x500x200	670x450	1.5	1.5	140x400	2	2	2	603x355	21.51	97.02	121.28	145.53	169.79	194.04
GN705025	700x500x250	670x450	1.5	1.5	140x400	2	2	2	603x355	22.44	107.80	134.75	161.70	188.65	215.60
GN705030	700x500x300	670x450	1.5	1.5	140x400	2	2	2	603x355	27.00	118.60	148.20	177.90	207.50	237.20
GN804020	800x400x200	770x350	1.5	1.5	140x300	2	3	2	603x355	21.20	93.28	116.60	139.92	163.24	186.56
GN804025	800x400x250	770x350	1.5	1.5	140x300	2	3	2	703x255	22.40	104.28	130.35	156.42	182.49	208.56
GN804030	800x400x300	770x350	1.5	1.5	140x300	2	3	2	703x255	28.00	115.28	144.10	172.92	201.74	230.56
GN806020	800x600x200	770x550	1.5	1.5	140x500	2	3	2	703x455	27.90	124.08	155.10	186.12	217.14	248.16
GN806025	800x600x250	770x550	1.5	1.5	140x500	2	3	2	703x455	30.18	136.62	170.78	204.93	239.09	273.24
GN806030	800x600x300	770x550	1.5	1.5	140x500	2	3	2	703x455	32.80	149.16	186.45	223.74	261.03	298.32
GN806040	800x600x400	770x550	1.5	1.5	140x500	2	3	2	703x455	34.00	174.24	217.80	261.36	304.92	348.48
GN808020	800x800x200	770x750	1.5	1.5	140x700	2	3	2	703x655	37.18	154.88	193.60	232.32	271.04	309.76
GN808025	800x800x250	770x750	1.5	1.5	140x700	2	3	2	703x655	35.45	168.96	211.20	253.44	295.68	337.92

IP66 opaque single-door cabinets. Rolled steel

Reference No.	Dim. cabinet	Dim. plate	Sheet thickness		Cable entry	No. locks	No. hinges	Reinf. prof.	Door with transparent panel	Weight	Power dissipation according to temperature increase °C P(W)*				
			(AXBXC)	(AXB)							B	D	(DXE)	H X W	KG
GN808030	800x800x300	770x750	1.5	1.5	140x700	2	3	2	703x655	39.66	183.04	228.80	274.56	320.32	366.08
GN808040	800x800x400	770x750	1.5	1.5	140x700	2	3	2	703x655	43.10	211.20	264.00	316.80	369.60	422.40
GN8010030	800x1000x300	770x950	1.5	1.5	140x900	2	3	2	703x855	47.10	216.92	271.15	325.38	379.61	433.84
GN1006025	1000x600x250	970x550	1.5	2	140x500	3P	3	2	903x425	39.51	165.00	206.25	247.50	288.75	330.00
GN1006030	1000x600x300	970x550	1.5	2	140x500	3P	3	2	903x425	44.76	179.52	224.40	269.28	314.16	359.04
GN1006040	1000x600x400	970x550	1.5	2	140x500	3P	3	2	903x425	50.00	208.56	260.70	312.84	364.98	417.12
GN1008025	1000x800x250	970x750	1.5	2	140x700	3P	3	2	903x625	48.95	203.50	254.38	305.25	356.13	407.00
GN1008030	1000x800x300	970x750	1.5	2	140x700	3P	3	2	903x625	51.35	219.56	274.45	329.34	384.23	439.12
GN1008040	1000x800x400	970x750	1.5	2	140x700	3P	3	2	903x625	60.60	251.68	314.60	377.52	440.44	503.36
GN10010030	1000x1000x300	970x950	1.5	1.5	140x900	3P	3	4	903x825	61.44	259.60	324.50	389.40	454.30	519.20
GN1206025	1200x600x250	1170x550	1.5	2	140x500	3P	3	2	1103x425	44.20	193.38	241.73	290.07	338.42	386.76
GN1206030	1200x600x300	1170x550	1.5	2	140x500	3P	3	2	1103x425	48.56	209.88	262.35	314.82	367.29	419.76
GN1206040	1200x600x400	1170x550	1.5	2	140x500	3P	3	2	1103x425	54.00	242.88	303.60	364.32	425.04	485.76
GN1208030	1200x800x300	1170x750	1.5	2	140x700	3P	3	2	1103x625	58.60	256.08	320.10	384.12	448.14	512.16
GN1208040	1200x800x400	1170x750	1.5	2	140x700	3P	3	2	1103x625	55.00	292.16	365.20	438.24	511.28	584.32
GN1209030	1200x900x285	1170x850	1.5	2	140x700	3P	3	2	1103x725	67.00	271.66	339.57	407.48	475.40	543.31
GN12010030	1200x1000x300	1170x910	1.5	1.5	140x900	3P	3	4	1103x825	76.00	302.28	377.85	453.42	528.99	604.56
GN12012025	1200x1200x250	1170x1150	1.5	1.5	2x(140x500)	3P	3	4	1103x1025	76.20	327.36	409.20	491.04	572.88	654.72

IP55 opaque double-door cabinets. Rolled steel

Reference No.	Dim. cabinet	Dim. plate	Sheet thickness		Cable entry	No. locks	No. hinges	Reinf. prof.	Door with transparent panel	Weight	Power dissipation according to temperature increase °C P(W)*				
			(AXBXC)	(AXB)							B	D	(DXE)	H X W	KG
GN8010020/PD	800x1000x200	770x950	1.5	1.5	140x900	3P	3	4	-	42.00	185.68	232.10	278.52	324.94	371.36
GN8010030/PD	800x1000x300	770x950	1.5	1.5	140x900	3P	3	4	-	48.10	216.92	271.15	325.38	379.61	433.84
GN8010040/PD	800x1000x400	770x950	1.5	1.5	140x900	3P	3	4	-	63.00	248.16	310.20	372.24	434.28	496.32
GN8012030/PD	800x1200x300	770x1150	1.5	2	2x(140x500)	3P	3	4	-	58.00	250.80	313.50	376.20	438.90	501.60
GN8012040/PD	800x1200x400	770x1150	1.5	2	2x(140x500)	3P	3	4	-	64.00	285.12	356.40	427.68	498.96	570.24
GN10010030/PD	1000x1000x300	970x950	1.5	2	140x900	3P	3	4	-	59.90	259.60	324.50	389.40	454.30	519.20
GN10010040/PD	1000x1000x400	970x950	1.5	2	140x900	3P	3	4	-	79.90	294.80	368.50	442.20	515.90	589.60
GN10012030/PD	1000x1200x300	970x1150	1.5	2	2x(140x500)	3P	3	4	-	78.00	299.64	374.55	449.46	524.37	599.28
GN10012040/PD	1000x1200x400	1170x910	1.5	2	2x(140x500)	3P	3	4	-	94.00	337.92	422.40	506.88	591.36	675.84
GN12010030/PD	1200x1000x300	1170x910	1.5	2	140x900	3P	3	4	-	72.20	302.28	377.85	453.42	528.99	604.56
GN12010040/PD	1200x1000x400	1170x910	1.5	2	140x900	3P	3	4	-	96.30	341.44	426.80	512.16	597.52	682.88
GN12012025/PD	1200x1200x250	1170x1150	1.5	2	2x(140x500)	3P	3	4	-	79.00	327.36	409.20	491.04	572.88	654.72
GN12012030/PD	1200x1200x300	1170x1150	1.5	2	2x(140x500)	3P	3	4	-	91.00	348.48	435.60	522.72	609.84	696.96
GN12012040/PD	1200x1200x400	1170x1150	1.5	2	2x(140x500)	3P	3	4	-	121.00	390.72	488.40	586.08	683.76	781.44
GN14010030/PD	1400x1000x300	1370x950	1.5	2	2x(140x500)	3P	3	4	-	80.60	344.96	431.20	517.44	603.68	689.92
GN14010040/PD	1400x1000x400	1370x950	1.5	2	2x(140x500)	3P	3	4	-	99.00	388.08	485.10	582.12	679.14	776.16
GN14012040/PD	1400x1200x400	1370x950	1.5	2	2x(140x500)	3P	3	4	-	104.09	443.5	554.4	665.3	776.2	887.00

RAL 7035 rolled steel.
3P: one 3-point lock.

Cabinets supplied with mounting plate.

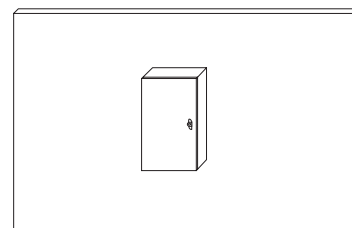
Injected polyurethane sealing gasket. Max. Temperature: 80 °C

Pack of 4 plate height adjusters supplied in all references, even in those without plate /SP.

For special cabinets and cabinets without plate, check availability of UL certificate.

For references without plate, add /SP; e.g.: GN403015/SP.

For references with transparent door, add GNT; e.g.: GNT403015.



* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".

SEE DIMENSIONS ON PAGE 22.
SEE ACCESSORIES ON PAGE 36.

ARGENTA

IP66 rolled steel wall-mounting cabinets



Argenta transparent door



Argenta opaque door



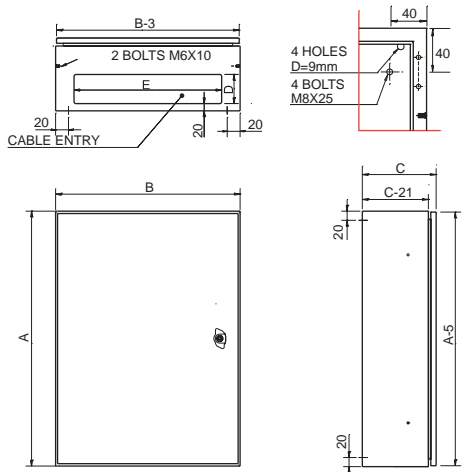
Argenta double door

Maximum acceptable loads

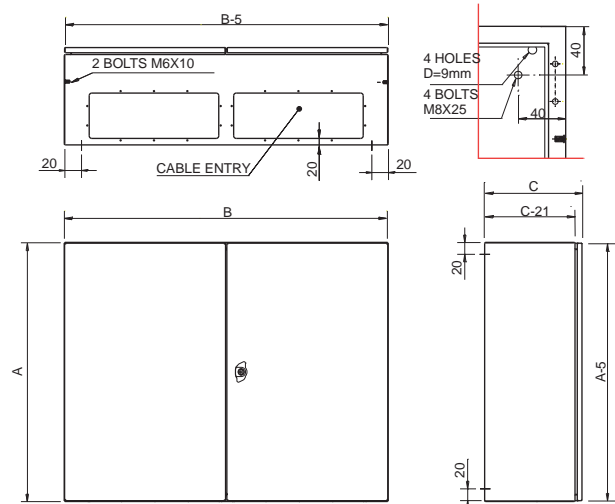
	Total load	Door	Plate
Cabinets from 250x200x150 to 300x300x200	150 kg	25 kg	125 kg
Cabinets from 300x400x150 to 400x300x200	175 kg	25 kg	150 kg
Cabinets from 400x400x150 to 600x400x300	225 kg	25 kg	200 kg
Cabinets from 600x500x150 to 700x500x250	275 kg	25 kg	250 kg
Cabinets from 800x400x200 to 800x800x400	325 kg	25 kg	300 kg
Cabinets from 800x1000x300 to 1400x1200x400	390 kg	40 kg	350 kg

Dimensions

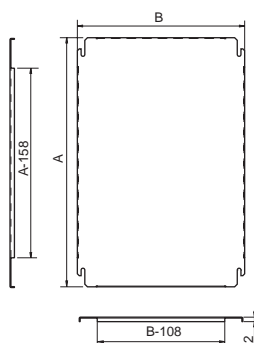
Single door

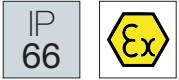


Double door



Blind plate





ARGENTA ATEX

IP66 steel wall-mounting cabinets

ATEX ATMOSPHERE

This term is used to refer to potentially explosive atmospheres, as well as to the standards regulating the use of protection equipment and systems in this type of atmosphere.

An explosive atmosphere is defined as any mixture, in atmospheric conditions, of air and inflammable substances in the form of gas, vapours or dust, in which, following ignition, combustion spreads to the entire uncombusted mixture.

ATEX Atmospheres Classification

Application	Cat./presence of pot. explosive atmospheres	Hazardous Zones	Atm.
Group I Mining	M1 and M2	Gas and Dust (G and D)	
Group II Industrial (non-mining)	1. Continuous or frequent	Zone 0: gas and vapour	G
		Zone 20: mist and dust	D
	2. Occasional	Zone 1: gas and vapour	G
		Zone 21: mist and dust	D
	3. Short periods only	Zone 2: gas and vapour	G
		Zone 22: mist and dust	D

Classification into groups and zones under Directive 99/92/EC.

All equipment intended for explosive atmospheres must carry a marking that indicates the areas in which it can be used and the forms of protection it offers.

IDE Label

ATEX symbol according to the directive.

II: Equipment intended for use in places other than mines with the presence of explosive atmosphere.

2: Product category. Explosive atmospheres that cause gases, vapours and a mixture of air/dust.

GD: Gas and dust.

Ex: ATEX-compliant product.

IIC: Type of gas: Hydrogen and similar.

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

tb: Protection mode: "Enclosure".

e: Protection mode: "Increased safety".

IIIC: Type of dust. "Conductive".

The IDE label for ATX604025 includes the following information:

- Reference:** ATX604025
- ATEX Marking:** II 2 G - Ex and IIC Gb, II 2 D - Ex tb IIIC Db
- Operating temperature:** -X °C / +Y °C
- IDE manufacturing order:** O.F.No. 111110959-06/11
- Degree of Protection:** IP66
- Product Name:** ARGENTA ATEX
- Standards:** IEC/EN 62208 RoHS
- Dimensions:** 600X400X250
- Origin:** MADE IN SPAIN

Set certificate

The ATEX certificate for the ARGENTA series is a component certificate. The final unit must have an ATEX certificate and a declaration of conformity.



Installation of ATEX components

Electrical, pneumatic, hydraulic, etc.



Product series

Standard

- ATEX opaque door cabinets **IN COLD-ROLLED STEEL** with mounting plate, and injected polyurethane sealing gasket.

To order

- ATEX opaque door cabinets **IN COLD-ROLLED STEEL** without mounting plate. (Add /SP to the standard reference).

- Cabinets with silicone rubber gasket, increasing ambient temperature range up to -55 °C/+100 °C.

Supply

Supplied in individual packaging containing cabinet, plate and accessory bag.

Blind plate:

- For cabinets with a height of up to 700 mm it is supplied unassembled inside the packaging.

- For cabinets with a height of up to 800 mm and above it is supplied assembled.

Accessory bag:

- Earth kit consisting of nut, washer and earth symbol label.

- Plate height adjusters and nuts.

- Cable entry lid and fixing screws.

- Key.

- 4 wall-hangers.

- Assembly instructions.

Prepared for installation in potentially explosive atmospheres

Material

- Cold-rolled steel EN10130+A1.
- Injected polyurethane sealing gasket.

Finish

- Coated with hardened RAL 7035 polyester paint, embossed, 80-120 µ, with UV protection.
- Corrosion resistance according to the UNE-EN62208 standard. C4-M classification according to the ASIM B-117:97, ISO 9227:07 and ISO 12944-6-98 standards.
- Specific coating treatments can be applied to order, to increase the degree of corrosion resistance to reach the C5-H classification.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 7035 polyester paint, thickness between 80-120 microns. A1.02 paint system according to the UNE-EN ISO 12944-5 standard.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.

ARGENTA ATEX

IP66 rolled steel wall-mounting cabinets



Body

- Manufactured from a single cross-shaped part.
- Totally reversible cabinet.
- Sheet thickness:
 - 1.2 mm for cabinets from 300x200 to 600x500 mm.
 - 1.5 mm for cabinets from 600x600 to 1000x800 mm.
- Four M8x25 bolts at the back of the cabinet for securing plates, adjustment elements or chassis.
- M6x15 earth bolt located on the cabinet wall for joining body and door by means of earth wire.
- The cabinet has a M6 rivet nut for earthing.
- Double fold to prevent water from entering the cabinet.
- M6 rivet nuts at the base of the cabinet to attach the 4 wall hangers included in the unit (11-mm separation between body and wall).
- 1.2-mm thick cable entry lid with sealing gasket to guarantee IP protection.

Door

- Opaque door with 110° opening.
- Concealed hinges and removal doors with quick-assembly and disassembly pins.
- Opaque door sheet thickness:
 - 1.2 mm for cabinets from 300x200 to 600x400 mm.
 - 1.5 mm for cabinets from 600x500 to 800x800 mm.
 - 2 mm for cabinets of 1000x800 mm.
- Doors supplied with continuous injected polyurethane sealing gasket, UV-ray resistant and with excellent resistance to external agents.
- Screwed reinforcement profiles with cut-out holes with separation of 25 mm for fitting accessories.
- Door centring device included in cabinets with a height of 600 mm.



Locking

- 5-mm double-bit lock in galvanised steel plus 5-mm key.
- A three-point rod lock is supplied in galvanised steel for cabinets with height of 1000 mm.

Mounting plate

- Flat mounting plate included in all cabinet references.
- Made from galvanised sheet steel with a thickness of 2 mm.
- For cabinets with a height of 800 mm or greater, the plates have folds on the sides to provide greater rigidity.

IP
66



Product series

Standard

- ATEX opaque door cabinets in AISI 304L and 316L **STAINLESS STEEL** with mounting plate, and injected silicone rubber gasket.

To order

- ATEX opaque door cabinets in AISI 304L and 316L **STAINLESS STEEL** without mounting plate (add /SP to the standard reference).

Supply

Supplied in individual packaging containing cabinet, plate and accessory bag.

The cabinet is protected by a plastic bag.

Blind plate

- For cabinets with a height of up to 700 mm they are supplied unassembled inside the packaging.

- For cabinets with a height of up to 800 mm and above they are supplied assembled.

Accessory bag:

- Earth kit consisting of nut, washer and earth symbol label.

- Plate height adjusters and nuts.

- Key.

- 4 wall-hangers.

- Assembly instructions.

Certified by the accredited organisation for use in zones 1 and 2 gas, 21 and 22 dust

Material

- AISI 304L and 316L stainless steel.

- Continuous injected silicone gasket.

Finish

- Scotch 320 satin finish.

ARGENTA ATEX

IP66 stainless steel wall-mounting cabinets



Body

- Manufactured in stainless steel AISI 304L or 316L from a single cross-shaped part.
- Stainless steel thickness:
 - 1.2 mm for cabinets from 300x200 to 600x500 mm.
 - 1.5 mm for cabinets from 600x600 to 1000x800 mm.
- Four M8x25 bolts at the back of the cabinet for securing plates, adjustment elements or chassis.
- M6x15 earth bolt located on the cabinet wall for joining body and door by means of earth wire.
- The cabinet has a M6 rivet nut for earthing.
- Double fold to prevent water from entering the cabinet.
- M6 rivet nuts at the base of the cabinet to attach the 4 wall hangers included in the unit (11-mm separation between body and wall).
- No cable entry.

Door

- Opaque door with 110° opening.
- Hinges welded to the body.
- Opaque door stainless steel thickness:
 - 1.2 mm for cabinets from 300x200 to 600x400 mm.
 - 1.5 mm for cabinets from 600x500 to 800x800 mm.
 - 2 mm for cabinets of 1000x800 mm.
- Doors supplied with continuous injected silicone gasket, UV-ray resistant and with excellent resistance to external agents. Thanks to the material's properties, a perfect overlap can be obtained between the beginning and the end of the silicone rubber gasket. However, this does not affect the unit's specified protection.
- Screwed reinforcement profiles with cut-out holes with separation of 25 mm for fitting accessories.
- Door centring device included in cabinets with a height of 600 mm.



Locking

- 5-mm double-bit lock in stainless steel plus 5-mm key.
- A three-point rod lock is supplied in stainless steel for cabinets with height of 1000 mm.

Mounting plate

- Flat mounting plate included in all cabinet references.
- Made from galvanised sheet steel with a thickness of 2 mm.
- For cabinets with a height of 800 mm or greater, the plates have folds on the sides to provide greater rigidity.



IP66 opaque single-door cabinets. Rolled steel with ATEX marking

Reference No.	Cabinet dimensions (AXBXC)	Dim. plate (AXB)	Sheet thickness		Cable entry (DXE)	No. locks	No. hinges	Reinf. prof.	Weight KG	Power dissipation according to temperature increase °C P(W)*				
			BODY	DOOR						20	25	30	35	40
ATX302015	300x200x150	270x150	1.2	1.2	80x150	1	2	1	3.91	19.7	24.7	29.6	34.6	39.5
ATX302515	300x250x150	270x200	1.2	1.2	80x150	1	2	1	4.59	26.2	32.8	39.4	45.9	52.5
ATX303015	300x300x150	270x250	1.2	1.2	80x200	1	2	2	5.38	29.7	37.1	44.6	52.0	59.4
ATX303020	300x300x200	270x250	1.2	1.2	140x230	1	2	2	6.11	35.0	43.7	52.5	61.2	70.0
ATX403020	400x300x200	370x250	1.2	1.2	140x230	1	2	2	7.35	43.6	54.5	65.3	76.2	87.1
ATX404020	400x400x200	370x350	1.2	1.2	140x300	1	2	2	9.60	52.8	66.0	79.2	92.4	105.6
ATX406020	400x600x200	370x550	1.2	1.2	140x500	1	2	2	12.89	71.3	89.1	106.9	124.7	142.6
ATX504020	500x400x200	470x350	1.2	1.2	140x300	2	2	2	11.35	62.9	78.7	94.4	110.1	125.8
ATX604020	600x400x200	570x350	1.2	1.2	140x300	2	2	2	13.68	73.0	91.3	109.6	127.8	146.1
ATX604025	600x400x250	570x350	1.2	1.2	140x300	2	2	2	14.30	82.1	102.6	123.1	143.6	164.1
ATX605025	600x500x250	570x450	1.2	1.5	140x400	2	2	2	17.81	95.2	118.9	142.7	166.5	190.3
ATX606025	600x600x250	570x550	1.5	1.5	140x500	2	2	2	23.20	108.2	135.3	162.4	189.4	216.5
ATX705025	700x500x250	670x450	1.5	1.5	140x400	2	2	2	22.44	107.8	134.8	161.7	188.7	215.6
ATX806030	800x600x300	770x550	1.5	1.5	140x500	2	3	2	32.80	149.2	186.5	223.7	261.0	298.3
ATX808030	800x800x300	770x750	1.5	1.5	140x700	2	3	2	39.66	183.0	228.8	274.6	320.3	366.1
ATX1008030	1000x800x300	970x750	1.5	2	140x700	3P	3	2	51.35	219.6	274.5	329.3	384.2	439.1

Rolled steel RAL 7035.

Injected polyurethane sealing gasket.

Ambient temperature range: -25 °C/+60 °C.

3P: 3-point lock.

Cabinets supplied with mounting plate.

Pack of 4 plate height adjusters supplied in all references, even in those without plate /SP.

For references without plate, add /SP; e.g.: ATX403020/SP.
(Check availability).

SEE ACCESSORIES ON PAGE 36.

ARGENTA ATEX

IP66 rolled steel wall-mounting cabinets



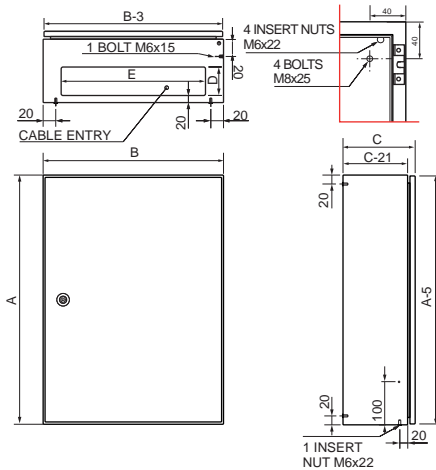
Argenta ATEX Rolled steel

Maximum acceptable loads

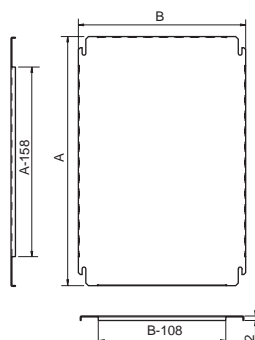
	Total load	Door	Plate
Cabinets from 300x200x150 to 300x300x200	150 kg	25 kg	125 kg
Cabinets from 400x300x200 to 400x300x200	175 kg	25 kg	150 kg
Cabinets from 400x400x200 to 600x400x250	225 kg	25 kg	200 kg
Cabinets from 600x500x250 to 700x500x250	275 kg	25 kg	250 kg
Cabinets from 800x600x300 to 800x800x300	325 kg	25 kg	300 kg
Cabinets of 1000x800x300	390 kg	40 kg	350 kg

Dimensions

Argenta rolled steel ATEX



Blind plate





IP66 single-door cabinets. AISI 304L stainless steel with ATEX marking

Reference No.	Cabinet dimensions (AXBXC)	Dim. plate (AXB)	Sheet thickness		No. locks	No. hinges	Reinf. prof.	Weight KG	Power dissipation according to temperature increase °C P(W)*				
			BODY	DOOR					20	25	30	35	40
ATX302015/INX	300x200x150	270x150	1.2	1.2	1	2	-	3.91	19.7	24.7	29.6	34.6	39.5
ATX302515/INX	300x250x150	270x200	1.2	1.2	1	2	-	4.59	26.2	32.8	39.4	45.9	52.5
ATX303015/INX	300x300x150	270x250	1.2	1.2	1	2	-	5.38	29.7	37.1	44.6	52.0	59.4
ATX403020/INX	400x300x200	370x250	1.2	1.2	1	2	1	7.35	43.6	54.5	65.3	76.2	87.1
ATX404020/INX	400x400x200	370x350	1.2	1.2	1	2	2	9.60	52.8	66.0	79.2	92.4	105.6
ATX406020/INX	400x600x200	370x550	1.2	1.5	1	2	2+2	12.89	71.3	89.1	106.9	124.7	142.6
ATX504020/INX	500x400x200	470x350	1.2	1.2	2	2	2	11.35	62.9	78.7	94.4	110.1	125.8
ATX604020/INX	600x400x200	570x350	1.2	1.2	2	2	2	13.68	73.0	91.3	109.6	127.8	146.1
ATX605025/INX	600x500x250	570x450	1.2	1.5	2	2	2	17.81	95.2	118.9	142.7	166.5	190.3
ATX606025/INX	600x600x250	570x550	1.5	1.5	2	2	2+2	23.20	108.2	135.3	162.4	189.4	216.5
ATX705025/INX	700x500x250	670x450	1.5	1.5	2	2	2	22.44	107.8	134.8	161.7	188.7	215.6
ATX806030/INX	800x600x300	770x550	1.5	1.5	2	3	2+2	32.80	149.2	186.5	223.7	261.0	298.3
ATX808030/INX	800x800x300	770x750	1.5	1.5	2	3	2+2	39.66	183.0	228.8	274.6	320.3	366.1
ATX1008030/INX	1000x800x300	970x750	1.5	2	3P	3	2+2	51.35	219.6	274.5	329.3	384.2	439.1

IP66 single-door cabinets. AISI 316L stainless steel with ATEX marking

Reference No.	Cabinet dimensions (AXBXC)	Dim. plate (AXB)	Sheet thickness		No. locks	No. hinges	Reinf. prof.	Weight KG	Power dissipation according to temperature increase °C P(W)*				
			BODY	DOOR					20	25	30	35	40
ATX302015/INX-316	300x200x150	270x150	1.2	1.2	1	2	-	3.91	19.7	24.7	29.6	34.6	39.5
ATX302515/INX-316	300x250x150	270x200	1.2	1.2	1	2	-	4.59	26.2	32.8	39.4	45.9	52.5
ATX303015/INX-316	300x300x150	270x250	1.2	1.2	1	2	-	5.38	29.7	37.1	44.6	52.0	59.4
ATX403020/INX-316	400x300x200	370x250	1.2	1.2	1	2	1	7.35	43.6	54.5	65.3	76.2	87.1
ATX404020/INX-316	400x400x200	370x350	1.2	1.2	1	2	2	9.60	52.8	66.0	79.2	92.4	105.6
ATX406020/INX-316	400x600x200	370x550	1.2	1.5	1	2	2+2	12.89	71.3	89.1	106.9	124.7	142.6
ATX504020/INX-316	500x400x200	470x350	1.2	1.2	2	2	2	11.35	62.9	78.7	94.4	110.1	125.8
ATX604020/INX-316	600x400x200	570x350	1.2	1.2	2	2	2	13.68	73.0	91.3	109.6	127.8	146.1
ATX605025/INX-316	600x500x250	570x450	1.2	1.5	2	2	2	17.81	95.2	118.9	142.7	166.5	190.3
ATX606025/INX-316	600x600x250	570x550	1.5	1.5	2	2	2+2	23.20	108.2	135.3	162.4	189.4	216.5
ATX705025/INX-316	700x500x250	670x450	1.5	1.5	2	2	2	22.44	107.8	134.8	161.7	188.7	215.6
ATX806030/INX-316	800x600x300	770x550	1.5	1.5	2	3	2+2	32.80	149.2	186.5	223.7	261.0	298.3
ATX808030/INX-316	800x800x300	770x750	1.5	1.5	2	3	2+2	39.66	183.0	228.8	274.6	320.3	366.1
ATX1008030/INX-316	1000x800x300	970x750	1.5	2	3P	3	2+2	51.35	219.6	274.5	329.3	384.2	439.1

Stainless steel: Scotch 320 satin finish.
 Injected silicone rubber gasket.
 Ambient temperature range: -55 °C / +100 °C

3P: 3-point lock.

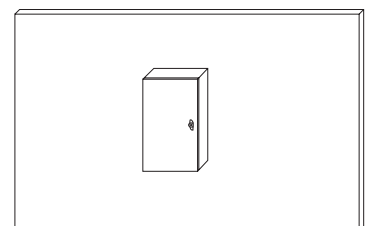
Cabinets supplied with mounting plate.

Pack of 4 plate height adjusters supplied in all references, even in those without plate /SP.

For references without plate, add /SP; e.g.: ATX403020INX/SP.
 (Check availability).

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".

SEE ACCESSORIES ON PAGE 36.



ARGENTA ATEX

IP66 stainless steel wall-mounting cabinets



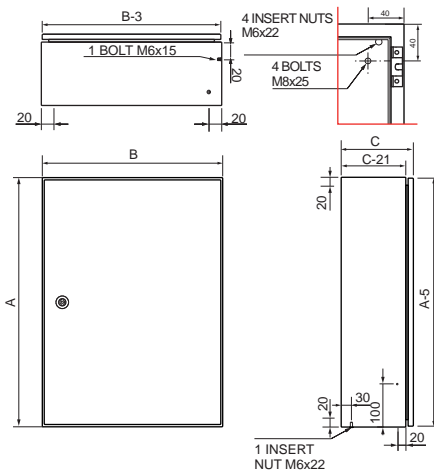
Argenta ATEX Stainless steel

Maximum acceptable loads

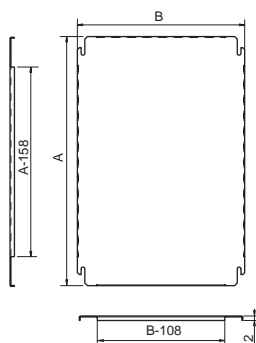
	Total load	Door	Plate
Cabinets from 300x200x150 to 300x300x200	150 kg	25 kg	125 kg
Cabinets from 400x300x200 to 400x300x200	175 kg	25 kg	150 kg
Cabinets from 400x400x200 to 600x400x250	225 kg	25 kg	200 kg
Cabinets from 600x500x250 to 700x500x250	275 kg	25 kg	250 kg
Cabinets from 800x600x300 to 800x800x300	325 kg	25 kg	300 kg
Cabinets of 1000x800x300	390 kg	40 kg	350 kg

Dimensions

Argenta stainless steel
ATEX



Blind plate





Product series (stainless steel)

Standard

- AISI 304L and 316L cabinets (with mounting plate).

To order

- AISI 304L and AISI 316L cabinets without plate. (Add /SP to the standard reference).

Supply

Supplied in individual packaging containing cabinet, plate and accessory bag.

The cabinet is protected by a plastic bag.

Blind plate

- For cabinets with a height of up to 700 mm they are supplied unassembled inside the packaging.
- For cabinets with a height of up to 800 mm and above they are supplied assembled.

Accessory bag:

- 4 watertight caps (if the wall-mounting cut-out holes are not used).
- Earth kit consisting of nut, washer and earth symbol label.
- Plate height adjusters and nuts.
- Key and assembly instructions.

Robustness and resistance, with unbeatable finish and polishing

Material

- AISI 304L - AISI 316L stainless steel.
- Injected polyurethane sealing gasket.

Finish

- Scotch 320 satin finish.

ARGENTA INOX

IP66 stainless steel wall-mounting cabinets



Body

- Manufactured in 304L or 316L stainless steel from a single cross-shaped part.
- Sheet thickness:
 - 1.2 mm for cabinets from 300x200 to 600x500 mm.
 - 1.5 mm for cabinets from 600x600 to 1200x1000 mm.
- Wall-mounting by means of four $\varnothing 9$ mm cut-out holes. Wall-mounting support leaving a gap of 11 mm (supplied as an accessory).
- Four M8x25 bolts at the back of the cabinet for securing plates, adjustment elements or chassis.
- M6x15 earth bolt located on the cabinet wall for joining body and door by means of earth wire.
- The cabinet has a M6 rivet nut for earthing.
- Double fold to prevent water from entering the cabinet.

Door

- Opaque door with 110° opening.
- Double door for cabinets with a width of 1000 mm and greater.
- Hinges welded to the body.
- Opaque door sheet thickness:
 - 1.2 mm for cabinets from 300x200 to 600x400 mm.
 - 1.5 mm for cabinets from 600x500 to 1200x1000 mm.
 - 2 mm for cabinets of 1000x800 mm.
- Sealing gasket to guarantee IP protection.
- Screwed reinforcement profiles with cut-out holes with separation of 25 mm for fitting accessories.
- Door centring device included in cabinets with a height of 600 mm and greater.



Locking

- 5-mm double-bit zamak lock plus 5-mm key.
- A three-point rod zamak lock is supplied for cabinets with height of 1000 mm.

Mounting plate

- Flat mounting plate included in all cabinet references.
- Made from galvanised sheet steel with a thickness of 2 mm.
- For cabinets with a height of 800 mm or greater, the plates have folds on the sides to provide greater rigidity.



IP66 INOX AISI 304L single-door cabinets

Reference No.	Cabinet dimensions (AXBXC)	Dim. plate (AXB)	Sheet thickness		No. locks	No. hinges	Reinf. profiles	Weight KG	Power dissipation according to temperature increase °C P(W)*				
			BODY	DOOR					20	25	30	35	40
INX302015	300x200x150	270x150	1.2	1.2	1	2	-	3.91	22.8	28.5	34.2	39.8	45.5
INX302515	300x250x150	270x200	1.2	1.2	1	2	-	4.59	26.2	32.8	39.4	45.9	52.5
INX303015	300x300x150	270x250	1.2	1.2	1	2	-	5.38	29.7	37.1	44.6	52.0	59.4
INX403020	400x300x200	370x250	1.2	1.2	1	2	-	7.35	43.6	54.5	65.3	76.2	87.1
INX404020	400x400x200	370x350	1.2	1.2	1	2	2	9.60	52.8	66.0	79.2	92.4	105.6
INX406020	400x600x200	370x550	1.2	1.5	1	2	2	12.89	71.3	89.1	106.9	124.7	142.6
INX504020	500x400x200	470x350	1.2	1.2	2	2	2	11.35	62.9	78.7	94.4	110.1	125.8
INX504025	500x400x250	470x350	1.2	1.2	2	2	2	11.35	62.9	78.7	94.4	110.1	125.8
INX604020	600x400x200	570x350	1.2	1.2	2	2	2	13.68	73.0	91.3	109.6	127.8	146.1
INX605025	600x500x250	570x450	1.2	1.5	2	2	2	17.81	95.2	118.9	142.7	166.5	190.3
INX606025	600x600x250	570x550	1.5	1.5	2	2	2	23.20	108.2	135.3	162.4	189.4	216.5
INX705025	700x500x250	670x450	1.5	1.5	2	2	2	22.44	107.8	134.8	161.7	188.7	215.6
INX806030	800x600x300	770x550	1.5	1.5	2	3	2	32.80	149.2	186.5	223.7	261.0	298.3
INX808030	800x800x300	770x750	1.5	1.5	2	3	2	39.66	183.0	228.8	274.6	320.3	366.1
INX1008030	1000x800x300	970x750	1.5	1.5	3P	3	2	51.35	219.6	274.5	329.3	384.2	439.1

IP55 INOX AISI 304L double-door cabinets

Reference No.	Cabinet dimensions (AXBXC)	Dim. plate (AXB)	Sheet thickness		No. locks	No. hinges	Reinf. profiles	Weight KG	Power dissipation according to temperature increase °C P(W)*				
			BODY	DOOR					20	25	30	35	40
INX10010030/PD	1000x1000x300	970x950	1.5	1.5	3P	3	4	59.90	259.6	324.5	389.4	454.3	519.2
INX12010030/PD	1200x1000x300	1170x910	1.5	1.5	3P	3	4	72.20	302.3	377.9	453.4	529.0	604.6

IP66 INOX AISI 316L single-door cabinets

Reference No.	Cabinet dimensions (AXBXC)	Dim. plate (AXB)	Sheet thickness		No. locks	No. hinges	Reinf. profiles	Weight KG	Power dissipation according to temperature increase °C P(W)*				
			BODY	DOOR					20	25	30	35	40
INX302015-316	300x200x150	270x150	1.2	1.2	1	2	-	3.91	22.8	28.5	34.2	39.8	45.5
INX302515-316	300x250x150	270x200	1.2	1.2	1	2	-	4.59	26.2	32.8	39.4	45.9	52.5
INX303015-316	300x300x150	270x250	1.2	1.2	1	2	-	5.38	29.7	37.1	44.6	52.0	59.4
INX403020-316	400x300x200	370x250	1.2	1.2	1	2	-	7.35	43.6	54.5	65.3	76.2	87.1
INX404020-316	400x400x200	370x350	1.2	1.2	1	2	2	9.60	52.8	66.0	79.2	92.4	105.6
INX406020-316	400x600x200	370x550	1.2	1.5	1	2	2	12.89	71.3	89.1	106.9	124.7	142.6
INX504020-316	500x400x200	470x350	1.2	1.2	2	2	2	11.35	62.9	78.7	94.4	110.1	125.8
INX504025-316	500x400x250	470x350	1.2	1.2	2	2	2	11.35	62.9	78.7	94.4	110.1	125.8
INX604020-316	600x400x200	570x350	1.2	1.2	2	2	2	13.68	73.0	91.3	109.6	127.8	146.1
INX605025-316	600x500x250	570x450	1.2	1.5	2	2	2	17.81	95.2	118.9	142.7	166.5	190.3
INX606025-316	600x600x250	570x550	1.5	1.5	2	2	2	23.20	108.2	135.3	162.4	189.4	216.5
INX705025-316	700x500x250	670x450	1.5	1.5	2	2	2	22.44	107.8	134.8	161.7	188.7	215.6
INX806030-316	800x600x300	770x550	1.5	1.5	2	3	2	32.80	149.2	186.5	223.7	261.0	298.3
INX808030-316	800x800x300	770x750	1.5	1.5	2	3	2	39.66	183.0	228.8	274.6	320.3	366.1
INX1008030-316	1000x800x300	970x750	1.5	1.5	3P	3	2	51.35	219.6	274.5	329.3	384.2	439.1

Stainless steel Scotch 320 satin finish.
Polyurethane sealing gasket. Max. Temperature 80 °C.
3P: one 3-point lock.

Cabinets supplied with mounting plate.

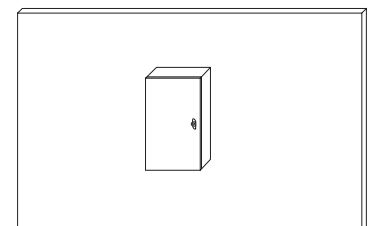
Pack of 4 plate height adjusters supplied in all references, even in those without plate /SP.

For special cabinets and cabinets without plate, check availability of UL certificate.

For references without plate, add /SP; e.g.: INX403020/SP - INX10010030PD/SP.
(Check availability).

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".

SEE ACCESSORIES ON PAGE 36.



ARGENTA INOX

IP66 stainless steel wall-mounting cabinets



Argenta INOX single door



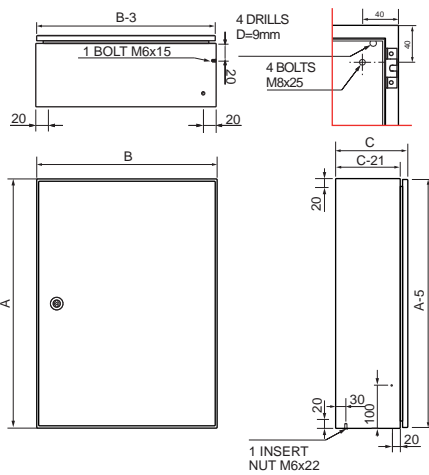
Argenta INOX double door

Maximum acceptable loads

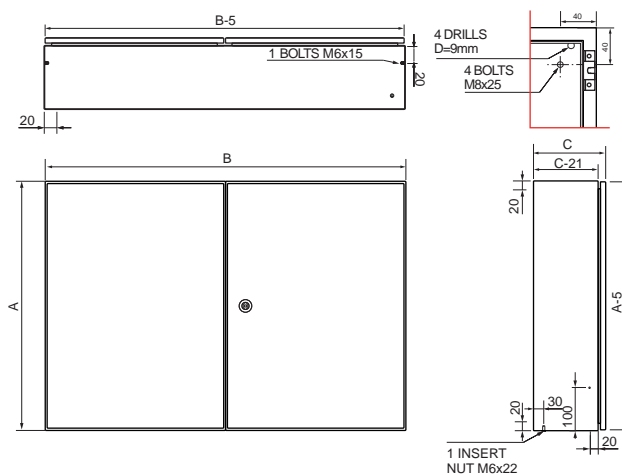
	Total load	Door	Plate
Cabinets from 250x200x150 to 300x300x200	150 kg	25 kg	125 kg
Cabinets from 300x400x150 to 400x300x200	175 kg	25 kg	150 kg
Cabinets from 400x400x150 to 600x400x300	225 kg	25 kg	200 kg
Cabinets from 600x500x150 to 700x500x250	275 kg	25 kg	250 kg
Cabinets from 800x400x200 to 800x800x400	325 kg	25 kg	300 kg
Cabinets from 800x1000x300 to 1200x1000x300	390 kg	40 kg	350 kg

Dimensions

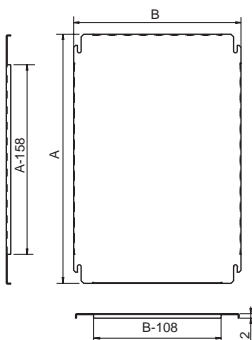
Single door



Double door



Blind plate



Plain metal mounting plates



MATERIAL: Plain mounting plate in 2-mm thick galvanised steel.

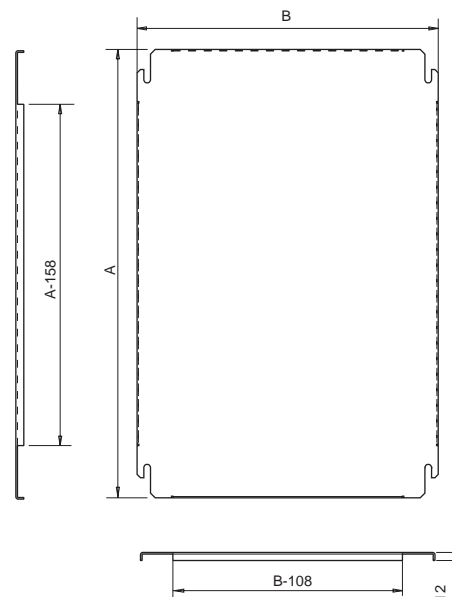
CHARACTERISTICS: Pack of 4 height adjusters plus 4 anti-twist bolts for assembling the plate supplied with the cabinet reference. (Including cabinets without plate /SP).

The plates for cabinets with a height of 800 mm and greater have folds on the sides.

FOR THE FOLLOWING CABINETS:

GN - ATX - INX.

Reference No.	Dimensions AXB	Plate thickness (mm)	Folds		For cabinet	
			HORIZ.	VERT.	HEIGHT	WIDTH
PL2520	220x150	2	-	-	250	200
PL2525	220x200	2	-	-	250	250
PL3020	270x150	2	-	-	300	200
PL3025	270x200	2	-	-	300	250
PL3030	270x250	2	-	-	300	300
PL3040	270x350	2	-	-	300	400
PL4030	370x250	2	-	-	400	300
PL4040	370x350	2	-	-	400	400
PL4060	370x550	2	2	-	400	600
PL5030	470x250	2	-	-	500	300
PL5040	470x350	2	-	-	500	400
PL5050	470x450	2	-	-	500	500
PL5070	470x650	2	-	-	500	700
PL6040	570x350	2	-	2	600	400
PL6050	570x450	2	-	2	600	500
PL6060	570x550	2	2	2	600	600
PL6080	570x750	2	2	-	600	800
PL7050	670x450	2	-	2	700	500
PL8040	770x350	2	-	-	800	400
PL8060	770x550	2	-	2	800	600
PL8080	770x750	2	2	2	800	800
PL80100	770x950	2	2	2	800	1000
PL80120	770x1150	2	2	2	800	1200
PL10060	970x550	2	-	-	1000	600
PL10080	970x750	2	2	2	1000	800
PL100100	970x950	2	2	2	1000	1000
PL100120	970x1150	2	2	2	1000	1200
PL12060	1170x550	2	-	-	1200	600
PL12080	1170x750	2	2	2	1200	800
PL12090	1170x850	2	2	2	1200	900
PL120100	1170x950	2	2	2	1200	1000
PL120120	1170x1150	2	2	2	1200	1200
PL140100	1370x950	2	2	2	1400	1000
PL140120	1370x1150	2	2	2	1400	1200

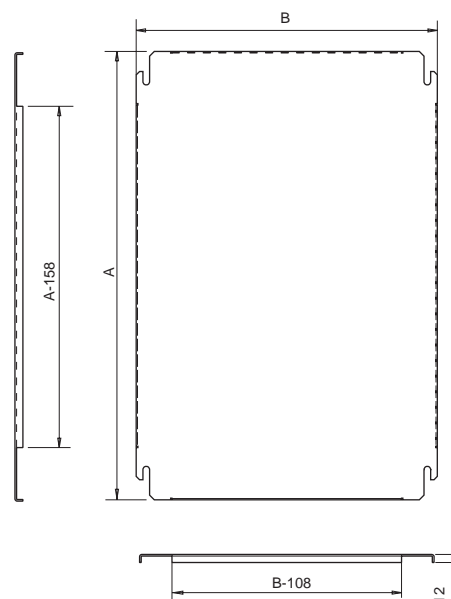


Plain insulating mounting plates

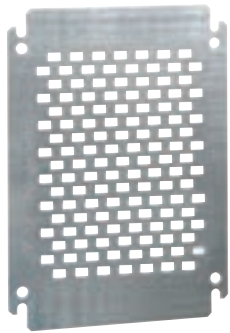


MATERIAL: Plain mounting plate in Bakelite.
CHARACTERISTICS: Pack of 4 height adjusters plus 4 anti-twist bolts for assembling the plate supplied with the cabinet reference. (Including cabinets without plate /SP).
FOR THE FOLLOWING CABINETS:
 GN - ATX - INX.

Reference No.	Dimensions	Plate thickness	For cabinet	
	AXB	(mm)	HEIGHT	WIDTH
PLB2520	220x150	3	250	200
PLB2525	220x200	3	250	250
PLB3020	270x150	3	300	200
PLB3025	270x200	3	300	250
PLB3030	270x250	3	300	300
PLB3040	270x350	3	300	400
PLB4030	370x250	3	400	300
PLB4040	370x350	3	400	400
PLB4060	370x550	3	400	600
PLB5030	470x250	3	500	300
PLB5040	470x350	3	500	400
PLB5050	470x450	4	500	500
PLB5070	470x650	4	500	700
PLB6040	570x350	4	600	400
PLB6050	570x450	4	600	500
PLB6060	570x550	4	600	600
PLB6080	570x750	4	600	800
PLB7050	670x450	4	700	500
PLB8040	770x350	4	800	400
PLB8060	770x550	4	800	600
PLB8080	770x750	4	800	800
PLB80100	770x950	5	800	1000
PLB80120	770x1150	5	800	1200
PLB10060	970x550	5	1000	600
PLB10080	970x750	5	1000	800
PLB100100	970x950	5	1000	1000
PLB100120	970x1150	5	1000	1200
PLB12060	1170x550	5	1200	600
PLB12080	1170x750	5	1200	800
PLB12090	1170x850	5	1200	900
PLB120100	1170x950	5	1200	1000
PLB120120	1170x1150	5	1200	1200
PLB140100	1370x950	5	1400	1000



Perforated metal mounting plates



MATERIAL: Perforated mounting plate in 2-mm thick galvanised steel.

CHARACTERISTICS: Pack of 4 height adjusters plus 4 anti-twist bolts for assembling the plate supplied with the cabinet reference. (Including cabinets without plate /SP).

Cut-out holes 14x9 - Distance between perforations 25 mm.

Recommended caged nuts:

48429: For front assembly.

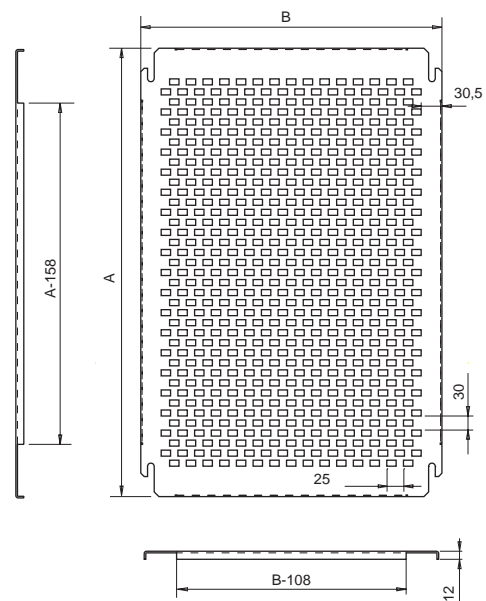
48416 or 48435: For rear assembly.

(See references on page 185)

FOR THE FOLLOWING CABINETS:

GN - ATX - INX.

Reference No.	Dimensions	Plate thickness	For cabinet	
	AXB	(mm)	HEIGHT	WIDTH
PLU2520	220x150	2	250	200
PLU2525	220x200	2	250	250
PLU3020	270x150	2	300	200
PLU3025	270x200	2	300	250
PLU3030	270x250	2	300	300
PLU3040	270x350	2	300	400
PLU4030	370x250	2	400	300
PLU4040	370x350	2	400	400
PLU4060	370x550	2	400	600
PLU5030	470x250	2	500	300
PLU5040	470x350	2	500	400
PLU5050	470x450	2	500	500
PLU5070	470x650	2	500	700
PLU6040	570x350	2	600	400
PLU6050	570x450	2	600	500
PLU6060	570x550	2	600	600
PLU6080	570x750	2	600	800
PLU7050	670x450	2	700	500
PLU8040	770x350	2	800	400
PLU8060	770x550	2	800	600
PLU8080	770x750	2	800	800
PLU80100	770x950	2	800	1000
PLU80120	770x1150	2	800	1200
PLU10060	970x550	2	1000	600
PLU10080	970x750	2	1000	800
PLU100100	970x950	2	1000	1000
PLU100120	970x1150	2	1000	1200
PLU12060	1170x550	2	1200	600
PLU12080	1170x750	2	1200	800
PLU12090	1170x850	2	1200	900
PLU120100	1170x950	2	1200	1000
PLU120120	1170x1150	2	1200	1200



Modular chassis (rolled steel)



MATERIAL: Frame: Galvanised steel. Chassis lid: RAL 7035 painted sheet steel.

CHARACTERISTICS: Includes frame, chassis lid, locking screws and height adjusters. It also includes two holes at the front to apply the knob handle (Ref. 48545), and one hole at the side to run the earth wire.

Caps are supplied to cover the holes in case not used.

Bag of assembly accessories included.

FOR THE FOLLOWING CABINETS: GN - ATX.

Reference No.	No. of modules	Rows	For cabinet		
			HEIGHT	WIDTH	DEPTH
CH3025/1520	16	2x8	300	250	150
					200
CH3030/1520	22	2x11	300	300	150
					200
CH4030/1520	33	3x11	400	300	150
					200
CH4040/1520	45	3x15	400	400	150
					200
CH4040/2530	45	3x15	400	400	250
					300
CH5040/1520	48	3x16	500	400	150
					200
CH5040/2530	48	3x16	500	400	250
					300
CH6040/1520	64	4x16	600	400	150
					200
CH6040/2530	64	4x16	600	400	250
					300
CH6060/1520	104	4x26	600	600	150
					200
CH6060/2530	104	4x26	600	600	250
					300
CH7050/1520	110	5x22	700	500	150
					200
CH7050/2530	110	5x22	700	500	250
					300
CH8060/1520	128	4x26 - 1x24	800	600	150
					200
CH8060/2530	128	4x26 - 1x24	800	600	250
					300
CH8080/1520	190	5x38	800	800	150
					200
CH8080/2530	190	5x38	800	800	250
					300
CH10080/2530	228	6x38	1000	800	250
					300
CH10080/40	228	6x38	1000	800	400

Modular chassis (stainless steel)

MATERIAL: AISI 304L stainless steel. Scotch 320 satin finish.

CHARACTERISTICS: Includes frame, chassis lid, locking screws and height adjusters.

Bag of assembly accessories included.

FOR THE FOLLOWING CABINETS: INX.

Reference No.	No. of modules	Rows	For cabinet		
			HEIGHT	WIDTH	DEPTH
INXCH3025/1520	16	2x8	300	250	150
INXCH4030/1520	33	3x11	400	300	200
INXCH5040/1520	48	3x16	500	400	200
INXCH6040/1520	64	4x16	600	400	200
INXCH6060/2530	104	4x26	600	600	250
INXCH7050/2530	110	5x22	700	500	250
INXCH8060/2530	128	4x26 - 1x24	800	600	300
INXCH8080/2530	190	5x38	800	800	300
INXCH10080/2530	288	6x38	1000	800	300

Handle



Reference No.	Description
48545	Knob handle

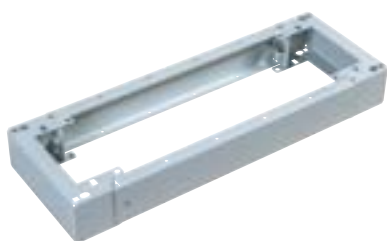
MATERIAL: Wood-filled phenolic resin. Shiny black.

CHARACTERISTICS: Resistant to most industrial chemical products, oils, greases and adverse weather conditions, including ultraviolet light.

Rated service temperature -30 °C / +140 °C.

FOR THE FOLLOWING CABINETS: GN - Inner doors.

Plinths (rolled steel)



MATERIAL: RAL 7035 painted sheet steel.

CHARACTERISTICS: Plinth supplied complete with front and side covers.

FOR THE FOLLOWING CABINETS: GN.

Reference No.	Dimensions	For cabinet	
	HEIGHT X WIDTH X DEPTH	WIDTH	DEPTH
100 PLINTH			
ZCLA106025	100x600x250	600	250
ZCLA106030	100x600x300	600	300
ZCLA106040	100x600x400	600	400
ZCLA108020	100x800x200	800	200
ZCLA108025	100x800x250	800	250
ZCLA108030	100x800x300	800	300
ZCLA108040	100x800x400	800	400
ZCLA1010030	100x1000x300	1000	300
ZCLA1010040	100x1000x400	1000	400
ZCLA1012025	100x1200x250	1200	250
ZCLA1012030	100x1200x300	1200	300
ZCLA1012040	100x1200x400	1200	400
200 PLINTH			
ZCLA206025	200x600x250	600	250
ZCLA206030	200x600x300	600	300
ZCLA206040	200x600x400	600	400
ZCLA208020	200x800x200	800	200
ZCLA208025	200x800x250	800	250
ZCLA208030	200x800x300	800	300
ZCLA208040	200x800x400	800	400
ZCLA2010030	200x1000x300	1000	300
ZCLA2010040	200x1000x400	1000	400
ZCLA2012025	200x1200x250	1200	250
ZCLA2012030	200x1200x300	1200	300
ZCLA2012040	200x1200x400	1200	400

Plinths (stainless steel)

MATERIAL: AISI 304L stainless steel.

Scotch 320 satin finish.

CHARACTERISTICS: Plinth supplied complete with front and side covers.

FOR THE FOLLOWING CABINETS: INX.

Check availability for plinths AISI 316L.

Reference No.	Dimensions	For cabinet	
	HEIGHT X WIDTH X DEPTH	WIDTH	DEPTH
100 PLINTH AISI 304L			
INXZCLA104020	100x400x200	400	200
INXZCLA105025	100x500x250	500	250
INXZCLA106020	100x600x200	600	200
INXZCLA106025	100x600x250	600	250
INXZCLA106030	100x600x300	600	300
INXZCLA108030	100x800x300	800	300
INXZCLA1010030	100x1000x300	1000	300

Plinth cable support



Reference No. For plinth depth (mm)

48497	250
48498	300
48499	400

MATERIAL: Galvanised steel.

CHARACTERISTICS: It is fitted on the inside of the plinth. Height-adjustable.

FOR THE FOLLOWING CABINETS: GN.

Plate height adjuster



Reference No. Description

48228	Pack of 4 height adjusters + 4 anti-twist nuts.
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MATERIAL: Rubber.

CHARACTERISTICS: It is supplied in all cabinet references. (Including cabinets without plate /SP).

Pack of 4 height adjusters + 4 anti-twist nuts.

FOR THE FOLLOWING CABINETS: GN - ATX - INX.

Height adjustment element



Reference No. For cabinet depth (mm)

SP150	150
SP200	200
SP250	250
SP300	300
SP400	400

MATERIAL: Galvanised steel.

CHARACTERISTICS: Height adjustment element for mounting plates.

Height adjustment in increments of 12.5 mm.

Required for the assembly of the inner doors.

SUPPLY: Pack of 4 adjustable supports.

FOR THE FOLLOWING CABINETS: GN - ATX - INX.

Cable entry lids



Reference No. Dimensions No. of entries

	HEIGHT X WIDTH	
TF0820	80x200	1
TF0830	80x300	1
TF1423	140x230	1
TF1430	140x300	1
TF1440	140x400	1
TF1450	140x500	2
TF1470	140x700	3
TF1490	140x900	3

MATERIAL: RAL 7035 painted sheet steel.

CHARACTERISTICS: Fitting screws included.

FOR THE FOLLOWING CABINETS: GN.

Wall-mounting support



Reference No. Description

48423	Galvanised wall-mounting support (4-piece pack)
48623	316L stainless steel wall-mounting support (4-piece pack)

MATERIAL: Galvanised steel or AISI 316L stainless steel.

CHARACTERISTICS: They are attached to the rear part of the cabinet vertically or horizontally.

11-mm wall separation.

Maximum horizontal or vertical load: 490 kg.

SUPPLY: Pack of 4 supports.

FOR THE FOLLOWING CABINETS: GN - ATX - INX.

External fixing



Reference No.	Description
48422	Inner hook fitting (4-piece pack)
<p>MATERIAL: Galvanised steel.</p> <p>CHARACTERISTICS: Inner fixing support for screwing in the hangers from the outside of the cabinet.</p> <p>SUPPLY: 4-piece pack.</p> <p>FOR THE FOLLOWING CABINETS: GN.</p>	

Lifting eyebolts



Reference No.	Description
48475	M12 Lifting eyebolts (2-piece pack)
<p>MATERIAL: Galvanised steel.</p> <p>CHARACTERISTICS: They are fitted at the top of the cabinet using M12 nuts. They cannot be assembled if there is a canopy in place.</p> <p>SUPPLY: 2-piece pack.</p> <p>FOR THE FOLLOWING CABINETS: GN - ATX - INX.</p>	

Mast attachment



Reference No.	Description
48420	Mast attachment (2-piece pack)
<p>MATERIAL: Galvanised steel.</p> <p>CHARACTERISTICS: It includes the guides, clamps and screws required for installation. For outdoor installations on posts with a minimum diameter of 60 mm and a maximum diameter of 200 mm. For cabinets from 300 mm to 800 mm wide. Maximum load: 130 kg.</p> <p>SUPPLY: 2-piece pack.</p> <p>FOR THE FOLLOWING CABINETS: GN.</p>	

Argenta support stand



Reference No.	Description	Dimensions
49730	Galvanised steel support painted in RAL 7035	HEIGHT (mm) 900
49731	AISI 304L stainless steel support	900
<p>MATERIAL: RAL 7035 Galvanised steel or AISI 304L stainless steel.</p> <p>FOR THE FOLLOWING CABINETS: GN-INX.</p>		

High voltage label



Reference No.	Description	Dimensions
49390	High voltage label	HEIGHT X WIDTH 105x105
<p>MATERIAL: High voltage adhesive label.</p>		

Paint



Reference No.	Description
48292	RAL 7035 textured grey paint
48294	RAL 7016 textured grey anthracite paint

CHARACTERISTICS: RAL 7035 for cabinets; RAL 7016 for plinths.
SUPPLY: 400 ml tin.

Door retainer



Reference No.	Description	For cabinet WIDTH
48380	Galvanised steel retainer L=130	>250 to 1200
48383	Stainless steel retainer L=130	>250 to 1200

MATERIAL: Galvanised steel/stainless steel.
CHARACTERISTICS: It stops the door when it reaches the end of its path.
 It is not compatible with an inner door or chassis assembly.
FOR THE FOLLOWING CABINETS: GN - ATX - INX.

End of stroke switch



Reference No.	Description
48462	End of stroke switch

CHARACTERISTICS: NC contact. Extendible from 122.5 to 165.5.
 It is not compatible with a chassis or inner door assembly.
FOR THE FOLLOWING CABINETS: GN - ATX - INX.

Document pocket



Reference No.	Description	Dimensions
		H X W X D
49388	DIN A4 metal document pocket	221x242x28
49790	DIN A3 metal document pocket	221x442x48

MATERIAL: RAL 7035 painted sheet steel.
CHARACTERISTICS: Installation screws not included.
 In order to mount the document pockets, you must request the door profiles (see page 48).
FOR THE FOLLOWING CABINETS: GN - ATX.

49385	DIN A4 insulating document pocket	217x226x26
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MATERIAL: Polystyrene.
CHARACTERISTICS: It can be fitted either by adhesive or screws (screws not included).
FOR THE FOLLOWING CABINETS: GN - ATX - INX.

Inner door (rolled steel)



MATERIAL: RAL 7035 painted sheet steel.

CHARACTERISTICS: The corresponding height adjustment element must be ordered for the installation of the inner door (see references on page 41).

It is supplied with the same lock type as the standard door: 5-mm double-bit lock.

Reversible hinges and 90° opening.

Possibility of simultaneous assembly of inner door and mounting plate.

Possibility of installing knob handle; Ref. 48545 (see page 39).

It is not compatible with the assembly of a door retainer or switch.

FOR THE FOLLOWING CABINETS: GN - ATX.

Reference No.	Dimensions	For cabinet	
		HEIGHT	WIDTH
	HEIGHT X WIDTH		
PIN3020	250x150	300	200
PIN3025	250x200	300	250
PIN3030	250x250	300	300
PIN3040	250x350	300	400
PIN4030	350x250	400	300
PIN4040	350x350	400	400
PIN4060	350x550	400	600
PIN5030	450x250	500	300
PIN5040	450x350	500	400
PIN5050	450x450	500	500
PIN5070	450x650	500	700
PIN6040	550x350	600	400
PIN6050	550x450	600	500
PIN6060	550x550	600	600
PIN6080	550x750	600	800
PIN7050	650x450	700	500
PIN8040	750x350	800	400
PIN8060	750x550	800	600
PIN8080	750x750	800	800
PIN80100	750x950	100	1000
PIN80120	750x1150	800	1200
PIN10060	950x550	1000	600
PIN10080	950x750	1000	800
PIN100100	950x950	1000	1000
PIN100120	950x1150	1000	1200
PIN12060	1150x550	1200	600
PIN12080	1150x750	1200	800
PIN12090	1150x850	1200	900
PIN120100	1150x950	1200	1000
PIN120120	1150x1150	1200	1200
PIN140100	1350x950	1400	1000

Inner door (stainless steel)

MATERIAL: AISI 304L stainless steel. Scotch 320 satin finish.

CHARACTERISTICS: The corresponding height adjustment pack must be ordered for the installation of the inner door (see references on page 41).

It is supplied with the same lock type as the standard door: 5-mm double-bit lock.

Reversible hinges and 90° opening.

Possibility of simultaneous assembly of inner door and mounting plate.

It is not compatible with the assembly of a door retainer or switch.

Check availability for doors AISI 316L.

FOR THE FOLLOWING CABINETS: INX.

Reference No.	Dimensions	For cabinet	
		HEIGHT	WIDTH
	HEIGHT X WIDTH		
INXPIN3020	237x145	300	200
INXPIN3025	237x195	300	250
INXPIN4030	237x245	400	300
INXPIN4040	337x345	400	400
INXPIN4060	337x545	400	600
INXPIN5040	437x345	500	400
INXPIN6040	537x345	600	400
INXPIN6050	537x445	600	500
INXPIN6060	537x545	600	600
INXPIN7050	637x445	700	500
INXPIN8060	737x545	800	600
INXPIN8080	737x745	800	800
INXPIN10080	937x745	1000	800
INXPIN100100	937x945	1000	1000
INXPIN120100	1137x945	1200	1000

Opaque spare doors (rolled steel)



MATERIAL: RAL 7035 painted sheet steel.

CHARACTERISTICS: Doors supplied without lock. See locks on pages 46-48.

For double doors and heights of 1000 mm or above, the doors are supplied with a 3P (three-point) lock.

/PD: Double opaque doors.

Maximum load:

Doors from 250x200 to 800x800: 25 kg.

Doors from 800x1000 to 1400x1000: 40 kg.

FOR THE FOLLOWING CABINETS: GN - ATX.

Reference No.	No. locks	For cabinet	
		HEIGHT	WIDTH
PO2520	1	250	200
PO2525	1	250	250
PO3020	1	300	200
PO3025	1	300	250
PO3030	1	300	300
PO3040	1	300	400
PO4030	1	400	300
PO4040	1	400	400
PO4060	1	400	600
PO5030	2	500	300
PO5040	2	500	400
PO5050	2	500	500
PO5070	2	500	700
PO6040	2	600	400
PO6050	2	600	500
PO6060	2	600	600
PO6080	2	600	800
PO7050	2	700	500
PO8040	2	800	400
PO8060	2	800	600
PO8080	2	800	800
PO80100	2	800	1000
PO10060	1x3P	1000	600
PO10080	1x3P	1000	800
PO100100	1x3P	1000	1000
PO12060	1x3P	1200	600
PO12080	1x3P	1200	800
PO12090	1x3P	1200	900
PO120100	1x3P	1200	1000
PO120120	1x3P	1200	1200
PO80100/PD	1x3P	800	1000
PO80120/PD	1x3P	800	1200
PO100100/PD	1x3P	1000	1000
PO100120/PD	1x3P	1000	1200
PO120100/PD	1x3P	1200	1000
PO120120/PD	1x3P	1200	1200
PO140100/PD	1x3P	1400	1000

Spare doors (stainless steel)

MATERIAL: AISI 304L stainless steel. Scotch 320 satin finish.

CHARACTERISTICS: Doors supplied without lock. See locks on pages 46-48.

For double doors and heights of 1000 mm or above, the doors are supplied with a 3P (three-point) lock.

/PD: Double opaque doors.

Maximum load:

Doors from 250x200 to 800x800: 25 kg.

Doors from 800x1000 to 1400x1000: 40 kg.

Check availability for doors AISI 316L.

FOR THE FOLLOWING CABINETS: INX.

Reference No.	No. locks	For cabinet	
		HEIGHT	WIDTH
INXP03020	1	300	200
INXP03025	1	300	250
INXP03030	1	300	300
INXP04030	1	400	300
INXP04040	1	400	400
INXP04060	1	400	600
INXP05040	2	500	400
INXP06040	2	600	400
INXP06050	2	600	500
INXP06060	2	600	600
INXP07050	2	700	500
INXP08060	2	800	600
INXP08080	2	800	800
INXP010080	1x3P	1000	800
INXP0100100/PD	1x3P	1000	1000
INXP0120100/PD	1x3P	1200	1000

GN standard locks



Ref. 48450

Reference No.

Description

48450	1P 5-mm double-bit lock in polyamide
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CHARACTERISTICS: Housing and latch manufactured in RAL 7037 polyamide.
For cabinets with a height of up to 800 mm.
5-mm double-bit key in polyamide not included (Ref. 48449).



Ref. 48414

48414	3P 5-mm double-bit lock in polyamide (without rods)
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CHARACTERISTICS: Housing manufactured in RAL 7037 polyamide and latch in steel.
For cabinets as of a height of 1000 mm and double-door cabinets. Does not include rods for 3P lock.
5-mm double-bit key in zamak not included (Ref. 48460).

ATEX standard locks

Ref. 48405



Ref. 48406

Reference No.

Description

48405	1P ATEX 5-mm double-bit lock
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48406	3P ATEX 5-mm double-bit lock (without rods)
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CHARACTERISTICS: Made of galvanised steel.
5-mm double-bit key in polyamide not included (Ref. 48449).
Reference 48405: For cabinets with a height of up to 800 mm.
Reference 48406: For cabinets as of a height of 1000 mm. Does not include rods for 3P lock.

ATEX-INOX standard locks



Ref. 48407

Reference No.

Description

48407	1P AISI 304L stainless steel 5-mm double-bit lock
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48408	3P AISI 304L stainless steel 5-mm double-bit lock (without rods)
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48400	1P AISI 316L stainless steel 5-mm double-bit lock
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48401	3P AISI 316L stainless steel 5-mm double-bit lock (without rods)
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CHARACTERISTICS: Made of AISI 304L and AISI 316L stainless steel.
5-mm double-bit key in polyamide not included (Ref. 48449).
Reference 48407 and 48400: For cabinets with a height of up to 800 mm.
Reference 48408 and 48401: For cabinets as of a height of 1000 mm. Does not include rods for 3P lock.
Locks for installation in INOX-ATEX cabinets.

INOX standard locks



Ref. 48390

Reference No.

Description

48390	1P 5-mm double-bit lock in zamak
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CHARACTERISTICS: Housing and latch made of zamak.
For cabinets with a height of up to 800 mm.
5-mm double-bit key in polyamide not included (Ref. 48449).

48391	3P 5-mm double-bit lock in zamak (without rods)
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CHARACTERISTICS: Housing and latch made of zamak.
For cabinets as of a height of 1000 mm and double-door cabinets. Does not include rods for 3P lock.
5-mm double-bit key in zamak not included (Ref. 48460).

INOX locks



Ref. 48392

Reference No.	Description
48392	1P AISI 304L stainless steel 5-mm double-bit lock
48393	3P AISI 304L stainless steel 5-mm double-bit lock (without rods)
48394	1P AISI 316L stainless steel 5-mm double-bit lock
48395	3P AISI 316L stainless steel 5-mm double-bit lock (without rods)

CHARACTERISTICS: Made of AISI 304L and AISI 316L stainless steel.
5-mm double-bit key in polyamide not included (Ref. 48449).
Reference 48392-48394: For cabinets with a height of up to 800 mm.
Reference 48395: For cabinets as of a height of 1000 mm and double-door cabinets.
Does not include rods for 3P lock.
Locks for installation in INOX cabinets.

Locks with key



Ref. 48456

Reference No.	Description
48456	1P 1/4 turn lock with key code 333
48496	3P 1/4 turn lock with key code 333 (without rods)

CHARACTERISTICS: Housing manufactured in RAL 7037 polyamide and latch in steel.
Aluminium key with code 333 included (1 pc.). (Ref. 48550 for spare).
Reference 48456: For cabinets with a height of up to 800 mm.
Reference 48496: For cabinets as of a height of 1000 mm and double-door cabinets. Does not include rods for 3P lock.

Wing nut locks



Ref. 48457

Reference No.	Description
48457	1P 1/4 turn lock with wing nut with key code 333
48411	3P 1/4 turn lock with wing nut with key code 333 (without rods)

CHARACTERISTICS: Housing and latch manufactured in black polyamide.
Aluminium key with code 333 included (1 pc.). (Ref. 48550 for spare).
Reference 48457: For cabinets with a height of up to 800 mm.
Reference 48411: For cabinets as of a height of 1000 mm and double-door cabinets. Does not include rods for 3P lock.



Ref. 48412

48412	1P 1/4 turn lock with fixed wing nut
48413	3P 1/4 turn lock with fixed wing nut (without rods)

CHARACTERISTICS: Housing and latch manufactured in black polyamide.
Fixed wing nut without key.
Reference 48412: For cabinets with a height of up to 800 mm.
Reference 48413: For cabinets as of a height of 1000 mm and double-door cabinets.
Does not include rods for 3P lock.



Ref. 48409



Ref. 48410

48409	1P JIS 1/4 turn lock with wing nut with key
48410	3P JIS 1/4 turn lock with wing nut with key (without rods)

CHARACTERISTICS: Housing manufactured in black polyamide and latch in steel.
Aluminium key included (1 piece) (Ref. 48550 for spare).
Reference 48409: For cabinets with a height of up to 800 mm.
Reference 48410: For cabinets as of a height of 1000 mm and double-door cabinets.
Does not include rods for 3P lock.

Triangle and square locks



Reference No.	Description
48546	1P triangle lock + 6.5-mm triangle key in zamak
48547	3P triangle lock + 6.5-mm triangle key in zamak (without rods)
48451	1P triangle lock + 8-mm triangle key in zamak
48415	3P triangle lock + 8-mm triangle key in zamak (without rods)
48501	1P triangle lock for padlock + 8-mm triangle key in zamak
48404	3P triangle lock for padlock + 8-mm triangle key in zamak (without rods)
48455	1P square lock + 7-mm square polyamide key
48540	3P square lock + 7-mm square polyamide key (without rods)

CHARACTERISTICS: References 48546, 48451, 48455 and 48501: Housing and latch manufactured in polyamide. For cabinets with a height of up to 800 mm.
References 48547, 48415, 48404 and 48540: Housing manufactured in polyamide and latch in steel. For cabinets as of a height of 1000 mm and double-door cabinets. Does not include rods for 3P lock.

All the references supplied include the corresponding key.

Rods



Reference No.	Description
48385	Rods for cabinets with a height of up to 800 mm.
48386	Rods for cabinets with a height of up to 1000 mm.
48387	Rods for cabinets with a height of up to 1200 mm.
48388	Rods for cabinets with a height of up to 1400 mm.

Keys



Reference No.	Description
48449	5-mm double-bit key in polyamide
48460	5-mm double-bit key in zamak
48550	1/4 turn key code 333
48551	8-mm triangle key in zamak
48552	Polyamide key in square

Assembly profiles for doors



Reference No.	For door width (mm)	Pack
PMP300	300	1
PMP400	400	1
PMP500	500	1
PMP600	600	1
PMP800	800	1
PMP900	900	1
PMP1000	1000	1
PMP1200	1200	1

MATERIAL: Galvanised steel.

CHARACTERISTICS: Profile for fixing directly to the door. Fitting screws included. They facilitate installation of the door's inside elements.

SUPPLY: 1 profile per reference.

FOR THE FOLLOWING CABINETS: GN - ATX.

Canopy (rolled steel)



MATERIAL: RAL 7035 painted sheet steel.

CHARACTERISTICS: It protects the controls or lights from the rain and dust.

It is fixed directly to the cabinet body.

It is supplied with all the screws required for assembly.

FOR THE FOLLOWING CABINETS: GN - ATX.



Reference No.	Dimensions		For cabinet	
	WIDTH X DEPTH	WIDTH	DEPTH	
TEJ2015	210x174	200	150	
TEJ2515	260x174	250	150	
TEJ2520	260x224	250	200	
TEJ3015	310x174	300	150	
TEJ3020	310x224	300	200	
TEJ3025	310x274	300	250	
TEJ4015	410x174	400	150	
TEJ4020	410x224	400	200	
TEJ4025	410x274	400	250	
TEJ4030	410x324	400	300	
TEJ5015	510x174	500	150	
TEJ5020	510x224	500	200	
TEJ5025	510x274	500	250	
TEJ5030	510x324	500	300	
TEJ6020	610x224	600	200	
TEJ6025	610x274	600	250	
TEJ6030	610x324	600	300	
TEJ6040	610x424	600	400	
TEJ7020	710x224	700	200	
TEJ8020	810x224	800	200	
TEJ8025	810x274	800	250	
TEJ8030	810x324	800	300	
TEJ8040	810x424	800	400	
TEJ9030	910x309	900	300	
TEJ10020	1010x224	1000	200	
TEJ10030	1010x324	1000	300	
TEJ10040	1010x424	1000	400	
TEJ12025	1210x274	1200	250	
TEJ12030	1210x324	1200	300	
TEJ12040	1210x424	1200	400	

Canopy (stainless steel)

MATERIAL: AISI 304L stainless steel. Scotch 320 satin finish.

CHARACTERISTICS: It protects the controls or lights from the rain and dust.

It is fixed directly to the cabinet body.

It is supplied with all the screws required for assembly.

Check availability for canopies AISI 316L.

FOR THE FOLLOWING CABINETS: INX.

Reference No.	Dimensions		For cabinet	
	WIDTH X DEPTH	WIDTH	DEPTH	
INXTEJ2015	210x163	200	150	
INXTEJ2515	260x163	250	150	
INXTEJ3015	310x163	300	150	
INXTEJ3020	310x211	300	200	
INXTEJ4020	410x211	400	200	
INXTEJ5025	510x259	500	250	
INXTEJ6020	610x211	600	200	
INXTEJ6025	610x259	600	250	
INXTEJ6030	610x307.5	600	300	
INXTEJ8030	810x307.5	800	300	
INXTEJ10030	1010x307.5	1000	300	

IP
55

IP
66

CE



IP66-IP55 Polyester wall-mounting cabinets

This series is comprised of a set of cabinets made of hot-pressed polyester reinforced with halogen-free fibreglass that deliver a really high level of performance.

With IP66-IP55 protection, they are designed especially for the food, chemical and pharmaceutical industries and outdoor processing centres due to their durability and resistance to chemical agents.



GLASS Technical specifications

- **Degree of protection:**
 - Cabinets from a height of 300 mm to 800 mm: IP66.
 - Cabinets from a height of 500 mm to 1250 mm: IP55.
- **Resistance to impact:**
 - Opaque door: IK10.
 - Transparent door: IK08.
- **Ambient temperature range:** -50 °C / +90 °C.
- **Test of resistance to glow wire:** 960 °C.
- **Thermal class:** A 150 °C.

GLASS Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1-3
(as applicable).

IP
55IP
66

CE



Product series

Standard

- IP66 cabinets with opaque and transparent door:
Height: 300 - 400 - 500 - 600 - 800.
Width: 250 - 300 - 400 - 500 - 600.
Depth: 140 - 200 - 230 - 300.
- IP55 cabinets with opaque door.
IP55 cabinets open at the bottom.
IP55 cabinets with canopy.
Height: 500 - 750 - 1000 - 1250.
Width: 500 - 750.
Depth: 300 - 420

Cabinets supplied without mounting plate.

To order

- Special cabinets, dimensions, cut-outs, colours, etc.

Supply

IP66 cabinets (from a height of 300 mm to 800 mm)

- Supplied in individual packaging.
- The accessories for fitting the mounting plate are fitted on the cabinet. Plate supplied in individual packaging if requested as an accessory.
- Key and assembly instructions.

IP55 cabinets (from a height of 500 mm to 1250 mm)

- Supplied individually shrink-wrapped and protected with cardboard at top and bottom.
- The accessories for fitting the mounting plate are fitted on the cabinet. Plate supplied in individual packaging if requested as an accessory.
- Key and assembly instructions.

Material

Fibreglass-reinforced hot-pressed polyester.

Main characteristics:

- Halogen-free.
- Non-hygroscopic (zero water absorption).
- Double insulation.
- Corrosion-resistant.

Polyester finish

- IP66 cabinets: RAL 9002 greyish-white.
- IP55 cabinets: RAL 7035 grey.



IP66 cabinets with transparent door



IP55 cabinets with bottom opening



IP55 cabinets with canopy



Body

IP66 cabinets (from a height of 300 mm to 800 mm)

- Compact body with plain walls, thus optimising space and resistance.
- Lid that guarantees 180° door opening in flush-fit installations, preventing water from entering when the door is opened and guaranteeing flush installation with the surface.
- Quick-fixture guides for M6 screws for fitting accessories without having to drill holes.
- Wall-mounting with head-insulated screws or adjustable brackets (supplied as accessories).

IP55 cabinets (from a height of 500 mm to 1250 mm)

- Top-locking modules with flat lid.
- Two depths available, 300 mm and 420 mm, to cover all requirements.
- They are also available open at the bottom and with canopy.
- Two fixing possibilities by means of brackets made of galvanised steel or plinth (supplied as accessories).

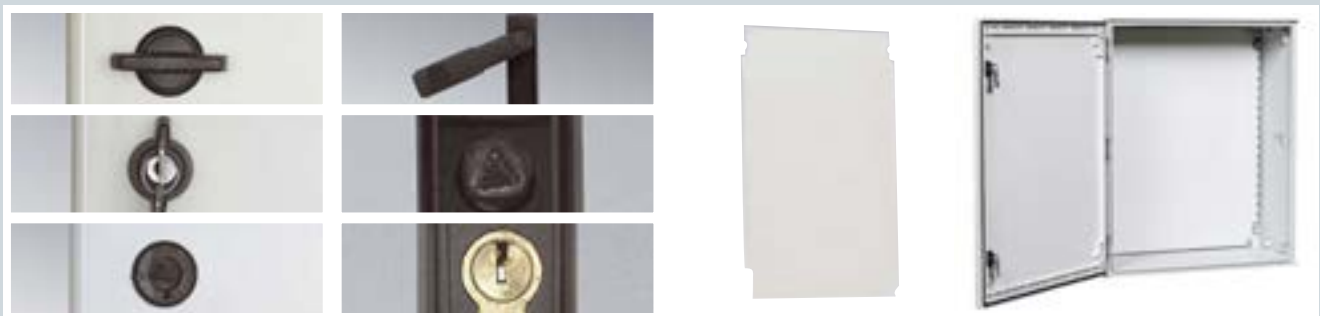
Door

IP66 cabinets (from a height of 300 mm to 800 mm)

- Possibility of opaque or transparent door with 180° opening.
- Opaque doors: Permits the installation of switchgear on the inside. They feature vertical jigs to facilitate machining and to guarantee proper switchgear placement.
- Transparent doors: When combined with a chassis mounting plate and/or inner door they allow you to see the status of the switchgear, while still maintaining IP.
- Internal hinges made of Zamak.

IP55 cabinets (from a height of 500 mm to 1250 mm)

- Available with opaque door.
- Inner hinges that permit 105° opening and the possibility of left or right opening.
- Outer hinges that permit 180° opening and tool-free door disassembly.



Locks

IP66 cabinets (from a height of 300 mm to 800 mm)

- Standard double-bit 3-mm DIN lock.
- Different locking and interlocking systems supplied as accessories.

IP55 cabinets (from a height of 500 mm to 1250 mm)

- Standard 3-mm, 3-point double-bit insert lock with retractable handle.
- Other types of locks supplied as accessories.

Mounting plate

IP66 cabinets (from a height of 300 mm to 800 mm)

- Mounting plates available:
 - 4-mm thick polyester.
 - 2-mm thick galvanised steel sheet.
 - 4-mm thick insulating Bakelite.
- Mounting plates supplied as accessory.

IP55 cabinets (from a height of 500 mm to 1250 mm)

- Mounting plates available:
 - 4-mm thick polyester.
 - 2-mm thick galvanised metal.
 - Plate adjustment pack available for both depths, 300 and 420 mm.
- Mounting plates supplied as accessory.



Opaque single-door cabinets - IP66 Polyester

Reference No.	Dimensions (AXBXC)	Polyester thickness		No. locks	No. hinges	Door with transparent panel (KXJ)	Wall-mounting (EXF)	Weight KG	Power dissipation according to temperature increase °C P(W)*				
		BODY	DOOR						20	25	30	35	40
POL302514	300x250x140	2.5	2.7	1	2	220x115	248x215	2.20	16.1	20.1	24.1	28.1	32.1
POL403020	400x300x200	2.8	2.8	2	2	281x121	338x262	3.65	27.7	34.7	41.6	48.5	55.4
POL404020	400x400x200	2.8	2.8	2	2	281x221	338x362	4.55	33.6	42.0	50.4	58.8	67.2
POL504020	500x400x200	2.8	2.8	2	2	381x221	438x362	5.42	40.0	50.1	60.1	70.1	80.1
POL604023	600x400x230	3	3	2	2	481x221	538x362	7.61	49.9	62.4	74.9	87.4	99.8
POL605023	600x500x230	3	3	2	2	481x321	538x462	8.33	58.1	72.6	87.1	101.6	116.1
POL806030	800x600x300	3	3	2	2	681x421	734x558	13.00	94.9	118.7	142.4	166.1	189.8

Cabinets supplied without mounting plate / Polyester RAL 9002.

Possibility of opaque or transparent door with 1/4 turn lock.

For transparent door cabinets, add PT at the end of the reference. e.g: POL403020PT.

Opaque single-door cabinets - IP55 Polyester

Reference No.	Dimensions (AXBXC)	Polyester thickness			No. locks	No. hinges	Wall-mounting	Weight KG	Power dissipation according to temperature increase °C P(W)*				
		BODY SIDE	BODY TOP/BOTT.	DOOR REAR					20	25	30	35	40
POL505030	510x500x312	4	3	3.5	3P	2	368x552	12.50	60.3	75.4	90.5	105.6	120.7
POL755030	760x500x312	4	3	3.5	3P	2	618x552	17.50	82.4	103.0	123.6	144.2	164.8
POL1005030	1010x500x312	4	3	3.5	3P	3	868x552	21.80	104.5	130.6	156.7	182.8	209.0
POL1007530	1010x750x312	4	3	3.5	3P	3	868x802	25.70	136.9	171.1	205.3	239.5	273.7
POL1007542	1010x750x420	3	3	3.5	3P	3	868x802	29.60	161.0	201.2	241.4	281.7	321.9
POL1255030	1260x500x312	4	3	3.5	3P	4	1118x552	26.50	126.6	158.2	189.8	221.5	253.1
POL1257530	1260x750x312	4	3	3.5	3P	4	1118x802	29.50	165.1	206.3	247.6	288.9	330.2
POL1257542	1260x750x420	3	3	3.5	3P	4	1118x802	33.50	192.9	241.2	289.4	337.7	385.9

Opaque single-door cabinets - IP55 Polyester - open at the bottom

Reference No.	Dimensions (AXBXC)	Polyester thickness			No. locks	No. hinges	Wall-mounting	Weight KG	Power dissipation according to temperature increase °C P(W)*				
		BODY SIDE	BODY TOP/BOTT.	DOOR REAR					20	25	30	35	40
POL505030/A	510x500x312	4	3	3.5	3P	2	368x552	12.00	60.3	75.4	90.5	105.6	120.7
POL755030/A	760x500x312	4	3	3.5	3P	2	618x552	17.00	82.4	103.0	123.6	144.2	164.8
POL1005030/A	1010x500x312	4	3	3.5	3P	3	868x552	23.30	104.5	130.6	156.7	182.8	209.0
POL1007530/A	1010x750x312	4	3	3.5	3P	3	868x802	25.00	136.9	171.1	205.3	239.5	273.7
POL1007542/A	1010x750x420	3	3	3.5	3P	3	868x802	28.75	161.0	201.2	241.4	281.7	321.9
POL1255030/A	1260x500x312	4	3	3.5	3P	4	1118x552	26.00	126.6	158.2	189.8	221.5	253.1
POL1257530/A	1260x750x312	4	3	3.5	3P	4	1118x802	28.80	165.1	206.3	247.6	288.9	330.2
POL1257542/A	1260x750x420	3	3	3.5	3P	4	1118x802	32.65	192.9	241.2	289.4	337.7	385.9

Opaque single-door cabinets - IP55 Polyester - with canopy

Reference No.	Dimensions (AXBXC)	Polyester thickness				No. locks	No. hinges	Wall-mounting	Weight KG	Power dissipation according to temperature increase °C P(W)*				
		BODY SIDE	BODY TOP/BOTT.	DOOR REAR	CANOPY					20	25	30	35	40
POL505030/T	510x500x312	4	3	3.5	4	3P	2	368x552	14.50	60.3	75.4	90.5	105.6	120.7
POL755030/T	760x500x312	4	3	3.5	4	3P	2	618x552	19.50	82.4	103.0	123.6	144.2	164.8
POL1005030/T	1010x500x312	4	3	3.5	4	3P	3	868x552	23.80	104.5	130.6	156.7	182.8	209.0
POL1007530/T	1010x750x312	4	3	3.5	4	3P	3	868x802	28.40	136.9	171.1	205.3	239.5	273.7
POL1007542/T	1010x750x420	3	3	3.5	3	3P	3	868x802	32.60	161.0	201.2	241.4	281.7	321.9
POL1255030/T	1260x500x312	4	3	3.5	4	3P	4	1118x552	28.50	126.6	158.2	189.8	221.5	253.1
POL1257530/T	1260x750x312	4	3	3.5	4	3P	4	1118x802	32.20	165.1	206.3	247.6	288.9	330.2
POL1257542/T	1260x750x420	3	3	3.5	3	3P	4	1118x802	36.50	192.9	241.2	289.4	337.7	385.9

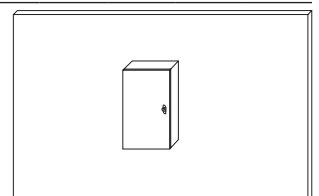
Cabinets supplied without mounting plate / Polyester RAL 7035.

3P: one 3-point lock.

Opaque door cabinets with retractable handle.

Check availability of cabinets opened at the bottom and with canopy (not in stock).

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".





IP66 polyester cabinet with opaque door



IP66 polyester cabinet with transparent door



IP55 polyester cabinet with opaque door



IP55 polyester cabinet with canopy

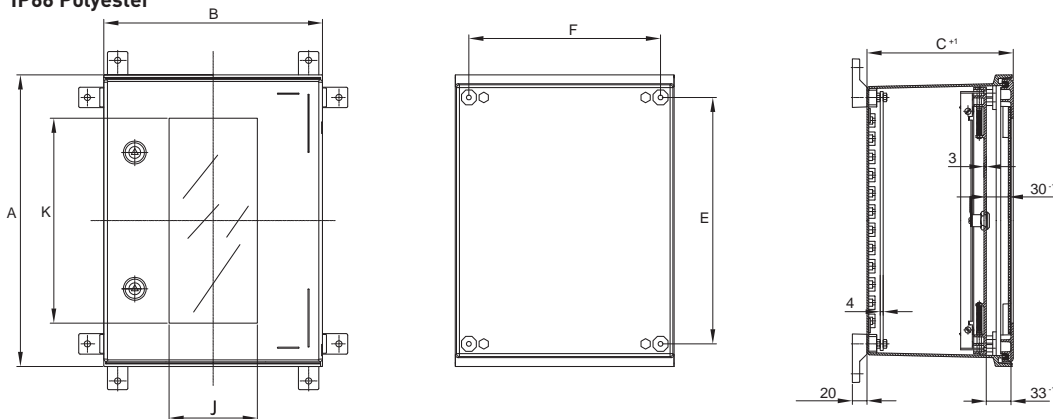
Maximum acceptable loads

IP66	Total L.	Door	Plate
300x250x140 cabinets	16.25 kg	2.25 kg	14 kg
400x300x200 cabinets	26.60 kg	3.60 kg	23 kg
400x400x200 cabinets	34.80 kg	4.80 kg	30 kg
500x400x200 cabinets	44.00 kg	6.00 kg	38 kg
600x400x230 cabinets	52.20 kg	7.20 kg	45 kg
600x500x230 cabinets	65.00 kg	9.00 kg	56 kg
800x600x300 cabinets	104.40 kg	14.40 kg	90 kg

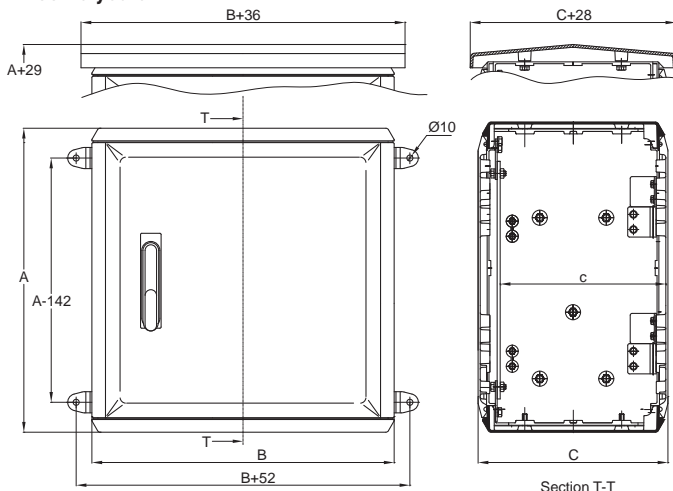
IP55	Total L.	Door	Plate
510x500x312 cabinets	58 kg	8 kg	50 kg
760x500x312 cabinets	76.5 kg	10.5 kg	66 kg
1010x500x312 cabinets	102 kg	14 kg	88 kg
1010x750x312 cabinets	152 kg	21 kg	131 kg
1010x750x432 cabinets	152 kg	21 kg	131 kg
1260x500x312 cabinets	127 kg	17.5 kg	109 kg
1260x750x312 cabinets	190 kg	26 kg	164 kg
1260x750x432 cabinets	190 kg	26 kg	164 kg

Dimensions

IP66 Polyester



IP55 Polyester



Wall-hanging accessories not included in the set.

Mounting plates for IP66 cabinets



Reference No.	Dimensions	For cabinet	
		HEIGHT	WIDTH
POLYESTER	AXB		
PPL3025	268x213	300	250
PPL4030	358x260	400	300
PPL4040	358x360	400	400
PPL5040	458x360	500	400
PPL6040	558x360	600	400
PPL6050	558x460	600	500
PPL8060	754x556	800	600

MATERIAL: Plain mounting plate in 4 mm-thick reinforced polyester.

CHARACTERISTICS: Supplied with all the elements required for fixed installation.

FOR THE FOLLOWING CABINETS: IP66 Polyester.

Reference No.	Dimensions	For cabinet	
		HEIGHT	WIDTH
METAL	AXB		
PML3025	268x213	300	250
PML4030	358x260	400	300
PML4040	358x360	400	400
PML5040	458x360	500	400
PML6040	558x360	600	400
PML6050	558x460	600	500
PML8060	754x556	800	600

MATERIAL: Plain mounting plate in 2-mm thick galvanised steel.

CHARACTERISTICS: Supplied with all the elements required for fixed installation.

FOR THE FOLLOWING CABINETS: IP66 Polyester.

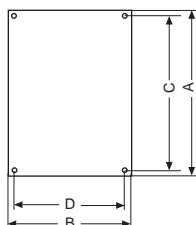
Reference No.	Dimensions	For cabinet	
		HEIGHT	WIDTH
INSULATING	AXB		
PBL3025	268x213	300	250
PBL4030	358x260	400	300
PBL4040	358x360	400	400
PBL5040	458x360	500	400
PBL6040	558x360	600	400
PBL6050	558x460	600	500
PBL8060	754x556	800	600

MATERIAL: Plain mounting plate in 4 mm-thick Bakelite.

CHARACTERISTICS: Supplied with all the elements required for fixed installation.

FOR THE FOLLOWING CABINETS: IP66 Polyester.

IP66 Plate dimensions



Reference No.	Dimensions							
	POLYESTER	METAL	BAKELITE	A	B	C	D	Ø
PPL3025	PML3025	PBL3025	268	213	248	175	7.4	
PPL4030	PML4030	PBL4030	358	260	338	222	7.4	
PPL4040	PML4040	PBL4040	358	360	338	322	7.4	
PPL5040	PML5040	PBL5040	450	360	438	322	7.4	
PPL6040	PML6040	PBL6040	558	360	538	322	7.4	
PPL6050	PML6050	PBL6050	558	460	538	422	7.4	
PPL8060	PML8060	PBL8060	754	556	734	518	7.4	

Inner doors



Reference No.	Dimensions		For cabinet	
	HEIGHT X WIDTH	HEIGHT	WIDTH	
PPIN4030	366x258	400	300	
PPIN4040	366x358	400	400	
PPIN5040	466x358	500	400	
PPIN6040	566x358	600	400	
PPIN6050	566x458	600	500	
PPIN8060	766x558	800	600	

MATERIAL: Fibreglass-reinforced polyester.

CHARACTERISTICS: Supplied with all the elements required for installation.

FOR THE FOLLOWING CABINETS: IP66 Polyester.

Modular chassis



Reference No.	No. of modules	Rows	For cabinet		
			HEIGHT	WIDTH	DEPTH
PCH4030	24	2x12	400	300	200
PCH4040	36	2x18	400	400	200
PCH5040	54	3x18	500	400	200
PCH6040	54	3x18	600	400	230
PCH6050	69	3x23	600	500	230
PCH8060	116	4x29	800	600	300
PCH8060/5	130	5x26	800	600	300

MATERIAL: Frame and chassis lid in RAL 9002 reinforced polyester.

CHARACTERISTICS: Includes frame, blind lids and DIN profiles.

FOR THE FOLLOWING CABINETS: IP66 Polyester.

Plate adjustment pack



Reference No.	For cabinet depth (mm)
29223	200
29224	230
29225	300

MATERIAL: Galvanised steel.

CHARACTERISTICS: Pack that includes 4 profiles to move the plate to different depths.

FOR THE FOLLOWING CABINETS: IP66 Polyester.

Wall-mounting



Ref. 29221

Ref. 29222

Reference No.	Description
29221	Wall-mounting set with head-insulated screws (4-piece pack)
29222	Wall-mounting adjustable brackets (4-piece pack)

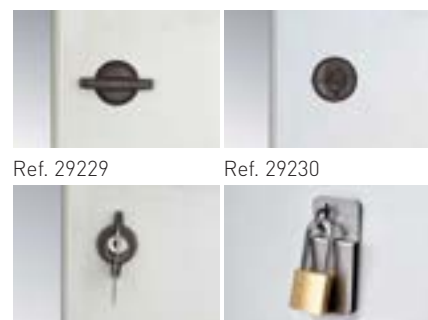
CHARACTERISTICS: Ref. 29221 For mounting the cabinet directly to the wall using a set of 4 head-insulated screws.

Ref. 29222 Set of 4 adjustable brackets to place them in the required position.

SUPPLY: 4-piece pack.

FOR THE FOLLOWING CABINETS: IP66 Polyester.

Locks



Ref. 29229

Ref. 29230

Ref. 29231

Ref. 29266

Reference No.	Description
29229	3-mm double-bit DIN lock (standard)
29230	11-mm triangle lock + key
29231	Manual lock with Keya T141-type key
29266	Galvanised interlocking lock

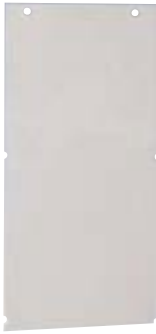
MATERIAL: Black polyamide.

CHARACTERISTICS: The locks do not include the keys, except for Ref. 29230, which includes the triangle key; and Ref. 29231, which includes the T141-type key.

Ref. 29266 does not include the padlock.

FOR THE FOLLOWING CABINETS: IP66 Polyester.

Base plates: For IP55 cabinets



Reference No.	Dimensions	For cabinet	
	HEIGHT X WIDTH	HEIGHT	WIDTH
POLYESTER			
PPL5050	393x405	500	500
PPL7550	643x405	750	500
PPL10050	893x405	1000	500
PPL10075	893x655	1000	750
PPL12550	1143x405	1250	500
PPL12575	1143x665	1250	750

MATERIAL: Plain mounting plate in 4 mm-thick reinforced polyester.

CHARACTERISTICS: In order to mount the plate, you must request the adjustment pack, which will depend on cabinet depth (Ref. 29235 or 29236).

FOR THE FOLLOWING CABINETS: IP55 Polyester.

Reference No.	Dimensions	For cabinet	
	HEIGHT X WIDTH	HEIGHT	WIDTH
METAL			
PML5050	393x405	500	500
PML7550	643x405	750	500
PML10050	893x405	1000	500
PML10075	893x655	1000	750
PML12550	1143x405	1250	500
PML12575	1143x665	1250	750

MATERIAL: Plain mounting plate in 2-mm thick galvanised steel.

CHARACTERISTICS: In order to mount the plate, you must request the adjustment pack, which will depend on cabinet depth (Ref. 29235 or 29236).

FOR THE FOLLOWING CABINETS: IP55 Polyester.

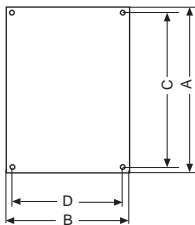
Reference No.	Description	For cabinet DEPTH
BASE PLATE ADJUSTMENT PACK		
29235	Base plate adjustment pack 300	300
29236	Base plate adjustment pack 420	420

MATERIAL: Galvanised steel.

CHARACTERISTICS: In order to mount the plate, you must request the adjustment pack, which will depend on cabinet depth (Ref. 29235 or 29236).

FOR THE FOLLOWING CABINETS: IP55 Polyester.

IP55 plate dimensions



Reference No.	Reference No.	Dimensions				
POLYESTER	METAL	A	B	C	D	Ø
PPL5050	PML5050	393	405	353	375	9
PPL7550	PML7550	643	405	603	375	9
PPL10050	PML10050	893	405	853	375	9
PPL10075	PML10075	893	655	853	625	9
PPL12550	PML12550	1143	405	1103	375	9
PPL12575	PML12575	1143	655	1103	625	9

Polyester plinth



Reference No.	Dimensions	For cabinet	
		WIDTH	DEPTH
ZOC5030/P	60x500x300	500	300
ZOC7530/P	60x750x300	750	300
ZOC7542/P	60x750x420	750	420

MATERIAL: RAL 7035 polyester.

CHARACTERISTICS: Height of 60 mm.

FOR THE FOLLOWING CABINETS: IP55 Polyester.

Wall-mounting



Reference No.	Description
29240	Wall-mounting brackets (4-piece pack)

MATERIAL: Galvanised steel.

SUPPLY: Pack includes 4 brackets.

FOR THE FOLLOWING CABINETS: IP55 Polyester.

Locks with handle



Ref. 29241

Ref. 29242

Ref. 29243

Reference No.	Description
29241	3-mm double-bit DIN lock (standard)
29242	11-mm triangle lock handle
29243	Manual lock handle with JIS type key

MATERIAL: Black polyamide.

CHARACTERISTICS: Locks with retractable handle.

The locks do not include the keys. Except for Ref. 29243, which includes the JIS-type key.

FOR THE FOLLOWING CABINETS: IP55 Polyester.

Keys



Ref. 48449

Ref. 48460

Reference No.	Description
48449	5-mm double-bit key in polyamide
48460	5-mm double-bit key in zamak
48551	Triangle key in zamak

IP
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LISTED



IP65 Steel terminal boxes

The steel terminal boxes are intended for the industrial sector as a machine tool and automation system control box.

Their degree of protection is IP65 and they are manufactured with cold-rolled steel and coated with hardened RAL 7035 polyester paint.

They are available in a wide variety of sizes, with plain sides, or with covers for cable entry, and the design and manufacture of this line is perfectly adapted to special needs requiring specific sizes or product machining in accordance with installation requirements.



TECNO Technical Specifications

- Degree of protection: IP65 / NEMA 1, 12.
- Resistance to impact: IK10.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC.
- Maximum temperature for sealing gasket: 80 °C.
- Maximum temperature for polyester paint: 125 °C.

TECNO Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standard: UNE-EN 62208.
UL508A certificate.



Product series

Standard

- Boxes with plain sides and screw-on cover with depths of 95 mm and 135 mm.
- Boxes with cable entry and screw-on cover with a depth of 135 mm.

To order

- Special boxes, dimensions, cut-outs, colours, etc.

Supply

The body, cover and accessory bag are supplied shrink-wrapped.

Accessory bag:

- Screws plus caps for body-lid fixing.
- Side and central brackets (central bracket only for boxes with height of 600 mm and 800 mm).
- Cable entry lid plus screws (only included in EXA type references).
- M8 caps for wall mounting and drainage.
- Assembly instructions.

Intended to house the electrical equipment required for control, derivation and distribution in industrial equipment

Material

- Cold-rolled steel EN10130+A1.
- Injected polyurethane sealing gasket.

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 μ , with UV protection.
- Corrosion resistance according to the UNE-EN62208 standard. C4-M classification according to the ASIM B-117:97, ISO 9227:07 and ISO 12944-6-98 standards.
- Specific coating treatments can be applied to order, to increase the degree of corrosion resistance to reach the C5-H classification.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 7035 polyester paint, thickness between 80-120 microns. A1.02 paint system according to the UNE-EN ISO 12944-5 standard.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



Body

- Manufactured in cold-rolled steel from a single cross-shaped part.
- Sheet steel with a thickness of 1.2 mm.
- Wall-mounting by means of four $\varnothing 9$ mm cut-out holes 20x20 mm located from the outside. They can also be wall-mounted by means of a bracket that leaves a gap of 11 mm (supplied as an accessory).
- Fixing lugs specially designed to achieve the perfect joint between lid and housing, thus guaranteeing a watertight enclosure.
- There is a $\varnothing 9$ mm drainage cut-out at the base of the box in order to prevent condensation on the inside.
- For the version of boxes with cable entry, the entry space is 80x200 mm in all references.
- M6x10 bolts, two or four pieces depending on the versions, located at the base of the box to secure the side and central brackets used to fix plates, profiles or accessories. One of the bolts can be used to earth the unit.

Mounting brackets

- The side and central mounting brackets are secured by the M6x10 bolts located in the base of the box by means of M6 nuts.
- They permit multiple rail and plate positioning combinations, adapting to the needs of the installer. These accessories will be joined by means of 4 mm sheet metal screws inserted into the existing housings in the brackets intended for this purpose.
- The boxes with a height of 150 to 500 mm have 2 side brackets.
- The boxes with a height of 600 to 800 mm have 2 side brackets plus 1 central bracket.



Lid

- The lid is totally flat, thus permitting the attachment of pilot lights, control elements or silkscreen printing of internal systems.
- The inside of the lid is coated by a injected polyurethane sealing gasket that guarantees IP65 protection against water and foreign bodies.
- M6x10 bolt for connection guaranteeing mass continuity.
- The lid is fastened with fast jackscrews with watertight caps to guarantee perfect fixing. The closing screw has a special design that limits its travel, guaranteeing exact tightening and the unit's degree of protection.

Mounting plate

- Plate not included in the unit, supplied as an accessory.
- Made from galvanised sheet steel with a thickness of 2 mm.
- It is fixed to the brackets by means of 4-mm sheet metal screws (not included).
- For bases with a central bracket, a single plate, double plate or a plate occupying half of the base may be fitted.



Box with cable entry and screw-on lid. IP65 rolled steel

Reference No.	Dimensions	Usable inner space			Sheet thickness		Cable entry		Plate brackets		Weight	Power dissipation according to temperature increase °C P(W)*				
		AXBXC	DXE	DRAWING	BODY	LID	ENT. IN A	ENT. IN B	DIM. CABLE ENT.	SIDE		CENT.	KG	20	25	30
EXA3015135	300x150x135	266x118	Drawing 1	1.2	1.2	1	0	80x200	2	-	2.62	17.2	21.5	25.8	30.1	34.4
EXA3020135	300x200x135	266x118	Drawing 1	1.2	1.2	1	0	80x200	2	-	3.21	21.4	26.8	32.1	37.5	42.8
EXA3030135	300x300x135	266x118	Drawing 1	1.2	1.2	1	1	80x200	2	-	4.45	28.1	35.1	42.2	49.2	56.2
EXA4020135	400x200x135	366x118	Drawing 1	1.2	1.2	1	0	80x200	2	-	3.95	27.2	34.0	40.8	47.5	54.3
EXA4030135	400x300x135	366x118	Drawing 1	1.2	1.2	1	1	80x200	2	-	5.96	35.4	44.3	53.1	62.0	70.8
EXA4040135	400x400x135	366x118	Drawing 1	1.2	1.2	1	1	80x200	2	-	7.11	43.6	54.6	65.5	76.4	87.3
EXA5020135	500x200x135	466x118	Drawing 1	1.2	1.2	2	0	80x200	2	-	4.29	32.9	41.2	49.4	57.6	65.8
EXA5030135	500x300x135	466x118	Drawing 1	1.2	1.2	2	1	80x200	2	-	6.41	42.7	53.4	64.1	74.7	85.4
EXA6020135	600x200x135	262x118	Drawing 2	1.2	1.2	2	0	80x200	2	1	5.69	38.7	48.3	58.0	67.7	77.4
EXA6030135	600x300x135	262x118	Drawing 2	1.2	1.2	2	1	80x200	2	1	7.78	50.0	62.5	75.0	87.5	100.0
EXA6040135	600x400x135	262x118	Drawing 2	1.2	1.2	2	1	80x200	2	1	9.55	61.3	76.6	92.0	107.3	122.6
EXA8020135	800x200x135	362x118	Drawing 2	1.2	1.2	3	0	80x200	2	1	7.44	50.2	62.7	75.3	87.8	100.4
EXA8040135	800x400x135	362x118	Drawing 2	1.2	1.2	3	1	80x200	2	1	11.96	79.0	98.7	118.5	138.2	158.0

Boxes with plain sides and screw-on lid. IP65 rolled steel

Reference No.	Dimensions	Usable inner space			Sheet thickness		Plate supports		Weight	Power dissipation according to temperature increase °C P(W)*				
		AXBXC	DXE	DRAWING	BODY	COVER	SIDE	CENT.		KG	20	25	30	35
ELA151595	150x150x95	116x78	Drawing 1	1.2	1.2	2	-	1.27	8.5	10.6	12.7	14.8	17.0	
ELA201595	200x150x95	166x78	Drawing 1	1.2	1.2	2	-	1.49	10.6	13.2	15.9	18.5	21.2	
ELA202095	200x200x95	166x78	Drawing 1	1.2	1.2	2	-	1.92	12.8	16.1	19.3	22.5	25.7	
ELA301595	300x150x95	266x78	Drawing 1	1.2	1.2	2	-	2.19	14.8	18.5	22.2	25.8	29.5	
ELA302095	300x200x95	266x78	Drawing 1	1.2	1.2	2	-	2.50	17.8	22.3	26.7	31.2	35.6	
ELA402095	400x200x95	366x78	Drawing 1	1.2	1.2	2	-	3.11	22.8	28.5	34.2	39.8	45.5	
ELA1515135	150x150x135	116x118	Drawing 1	1.2	1.2	2	-	1.47	10.6	13.2	15.9	18.5	21.2	
ELA2015135	200x150x135	166x118	Drawing 1	1.2	1.2	2	-	1.81	13.1	16.4	19.6	22.9	26.2	
ELA2020135	200x200x135	166x118	Drawing 1	1.2	1.2	2	-	2.29	15.7	19.6	23.5	27.4	31.3	
ELA3015135	300x150x135	266x118	Drawing 1	1.2	1.2	2	-	2.47	18.1	22.6	27.1	31.6	36.1	
ELA3020135	300x200x135	266x118	Drawing 1	1.2	1.2	2	-	2.96	21.4	26.8	32.1	37.5	42.8	
ELA3030135	300x300x135	266x118	Drawing 1	1.2	1.2	2	-	3.97	28.1	35.1	42.2	49.2	56.2	
ELA4020135	400x200x135	366x118	Drawing 1	1.2	1.2	2	-	3.71	27.2	34.0	40.8	47.5	54.3	
ELA4030135	400x300x135	366x118	Drawing 1	1.2	1.2	2	-	4.86	35.4	44.3	53.1	62.0	70.8	
ELA4040135	400x400x135	366x118	Drawing 1	1.2	1.2	2	-	6.13	43.6	54.6	65.5	76.4	87.3	
ELA5020135	500x200x135	466x118	Drawing 1	1.2	1.2	2	-	4.29	32.9	41.2	49.4	57.6	65.8	
ELA5030135	500x300x135	466x118	Drawing 1	1.2	1.2	2	-	5.79	42.7	53.4	64.1	74.7	85.4	
ELA6020135	600x200x135	262x118	Drawing 2	1.2	1.2	2	1	5.25	38.7	48.3	58.0	67.7	77.4	

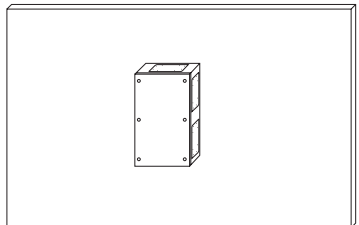
RAL 7035 rolled steel.

Boxes supplied without mounting plates.

For special boxes, check availability of UL certificate.

Injected polyurethane sealing gasket. Max. temperature: 80 °C.

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".





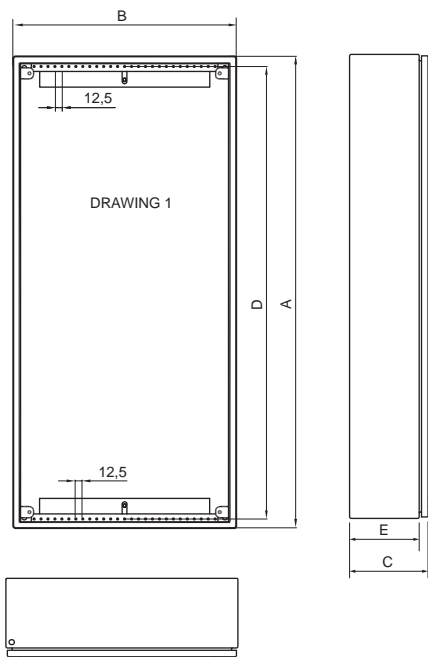
Box with plain sides



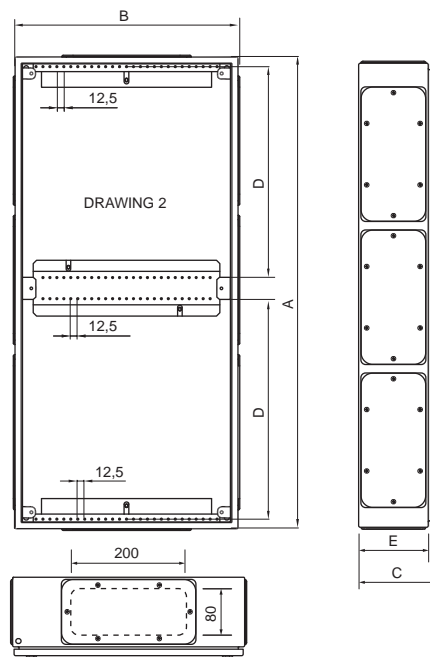
Box with cable entry

Dimensions

With plain sides



With cable entry



Plain metal mounting plates



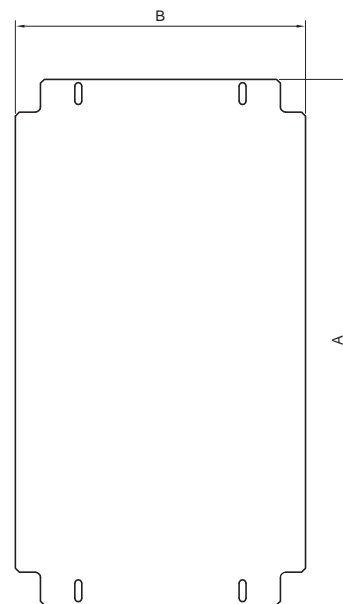
Reference No.	Dimensions AXB	For box	
		A	B
26300	130x115	150	150
26301	180x115	200	150
26303	180x165	200	200
26304	280x115	300	150
26305	280x165	300	200
26306	280x265	300	300
26309	380x165	400	200
26310	380x265	400	300
26311	380x365	400	400
26313	480x165	500	200
26314	480x265	500	300
26316	580x165	600	200
26317	580x265	600	300
26318	580x365	600	400
26321	780x165	800	200
26322	780x365	800	400

MATERIAL: Plain mounting plate in 2-mm thick galvanised steel.

CHARACTERISTICS: They are fixed to the brackets by means of 4-mm sheet metal screws (not included).

For bases with a central bracket, a single plate, double plate or a plate occupying half of the base may be fitted.

FOR THE FOLLOWING BOXES: ELA - EXA.



Wall-mounting support



Reference No.	Description
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48423	Galvanised wall-mounting support (4-piece pack)
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MATERIAL: Galvanised steel.

CHARACTERISTICS: They are attached to the rear part of the box vertically or horizontally.

11-mm wall separation.

Maximum horizontal or vertical load: 490 kg.

SUPPLY: 4-piece pack.

IP
66

CE



IP66 Polyester Double Isolation Boxes

The ROC series watertight boxes are made of fibreglass-reinforced polyester and insulating material that keeps the switchgear installed on the inside perfectly insulated.

With IP66 protection, they are available in two versions, with opaque or transparent lid, delivering excellent modular versatility in order to cater to the different applications: configuration of controlgear, switchgear or centralised meters for control, derivation and distribution purposes.

They are designed for outside use in the tertiary or industrial sectors and can be installed in aggressive environments thanks to their degree of protection, non-hygroscopic materials and UV protection.



ROC Technical Specifications

- Degree of protection: IP66.
- Resistance to impact: IK09.
- Test of resistance to glow wire: 960 °C.
- Ambient temperature range: -40 °C / +100 °C.
- Dielectric strength: >150 kV/cm.
- Insulation resistance: 3.3 kV.
- Protection against contacts: Double insulation.
- Thermal class: A 120 °C.

ROC Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1.
(as applicable).



Designation of references

References are designated with two digits:

- The first one indicates the width in number of modules.
- The second one indicates the height in number of modules.

E.g: ROC32APT 3 = width (3x90 = 270 mm).
 2 = height (2x90 = 180 mm).
 A = High lid.
 PT = Transparent door.

Product series

Standard

- IP66 boxes with polyester case and transparent polycarbonate lid.
- IP66 boxes with polyester case and opaque polycarbonate lid.
- Range: 32-33-34-42-44-63-64-66-84-86 modules.
- The 32-34-44-63-64-66 modules admit the high-lid variant.
- Set of 10 modular insulation boxes with height and width dimensions that are multiples of one module.
 1 module = 90 mm.

Material

Bases manufactured in RAL 7035 grey fibreglass-reinforced polyester.

Transparent lids made of polycarbonate.

Opaque lids manufactured in RAL 7035 grey polycarbonate.

Main characteristics:

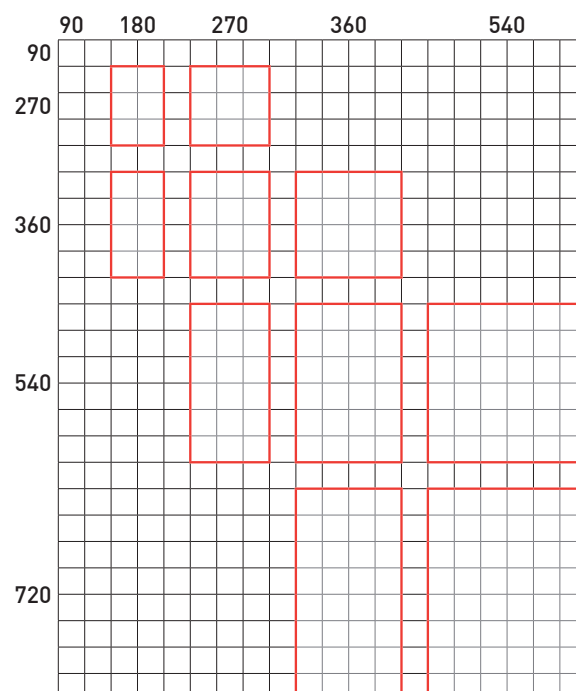
- Halogen-free.
- Non-hygroscopic (zero water absorption).
- Double insulation.
- Corrosion-resistant.
- Alkali-resistant.
- Transparent and opaque lids with ultraviolet (UV) protection.

Supply

Supplied in a single box per packaging multiples.

Each reference includes:

- Bag with four standard manual closing screws (Ref. 29550).
- Bag of four screws for fixing to the base plate.





Base

- System composed of modular boxes with height and width dimensions that are multiples of a 90-mm module.
- They come with M6 inserts in zamak for fixing mounting plates, switchgear, etc. Dismountable for subsequent recycling.

Lid

- Possibility of opaque or transparent polycarbonate lid: Opaque polycarbonate lid in RAL 7035 grey. Transparent lid in polycarbonate.
- Sealable screws for use with a screwdriver. Other types of closing screws supplied as accessories: manual, for grey, blue or triangular screwdriver.
- Different hinge models supplied as accessories to easily turn the box into a cabinet.

Hygroscopic materials and high degree of UV protection for outdoor use

Total flexibility

- Boxes can be joined vertically and horizontally using brackets in order to achieve multiple combinations and constructions.
- High lids can be used to increase box depth.

Fixing systems

- Direct wall- or post-fixing. (Fixing elements supplied as accessories).



IP
66

CE

Boxes with transparent lid. IP66 Polyester

Reference No.	Modules	Dimensions		Usable inner space	Wall-mount. dim.	Plate-mounting dim.		Weight	Power dissipation according to temperature increase °C P(W)*				
		[AXBXC]	[DXEXF]			[GXH]	[IXJ]		K	KG	20	25	30
ROC32PT	3x2	270x180x141	250x160x124	245x155	200x110	-	-	1.25	12.05	15.06	18.07	21.08	24.09
ROC32APT	3x2 high	270x180x171	250x160x154	245x155	200x110	-	-	1.30	13.60	17.00	20.39	23.79	27.19
ROC33PT	3x3	270x270x171	250x250x154	245x245	200x200	-	-	1.70	17.49	21.86	26.23	30.60	34.97
ROC34PT	3x4	270x360x171	250x340x154	245x335	200x290	-	-	2.10	21.38	26.72	32.06	37.41	42.75
ROC34APT	3x4 high	270x360x201	250x340x184	245x335	200x290	-	-	2.40	23.45	29.32	35.18	41.05	46.91
ROC42PT	4x2	360x180x171	340x160x154	335x155	290x110	-	-	2.40	17.12	21.40	25.69	29.97	34.25
ROC44PT	4x4	360x360x171	340x340x154	335x335	290x290	-	-	2.50	26.49	33.11	39.74	46.36	52.98
ROC44APT	4x4 high	360x360x201	340x340x184	335x335	290x290	-	-	2.90	28.91	36.14	43.36	50.59	57.82
ROC63PT	6x3	540x270x171	515x245x154	515x245	470x200	200	-	2.80	30.45	38.06	45.67	53.28	60.90
ROC63APT	6x3 high	540x270x201	515x245x184	515x245	470x200	200	-	3.00	33.28	41.60	49.92	58.25	66.57
ROC64PT	6x4	540x360x171	515x335x154	515x335	470x290	200	-	3.60	36.72	45.90	55.08	64.26	73.44
ROC64APT	6x4 high	540x360x201	515x335x184	515x335	470x290	200	-	4.00	39.82	49.77	59.73	69.68	79.64
ROC66PT	6x6	540x540x171	515x515x154	515x515	470x470	200	-	4.80	49.26	61.58	73.89	86.21	98.52
ROC66APT	6x6 high	540x540x201	515x515x184	515x515	470x470	200	-	5.40	52.89	66.11	79.33	92.56	105.78
ROC84PT	8x4	720x360x201	695x335x184	695x335	650x290	290	-	6.60	50.73	63.41	76.09	88.77	101.46
ROC86PT	8x6	720x540x201	695x515x184	695x515	650x470	290	-	6.80	66.97	83.72	100.46	117.20	133.95

RAL 7035 polyester.
Polyester body - Transparent polycarbonate lid with UV protection.
1 module = 90 mm.

Intended for installation in aggressive environments thanks to their high degree of protection

Boxes with opaque lid. IP66 Polyester

Reference No.	Modules	Dimensions		Usable inner space	Wall-mount. dim.	Plate-mounting dim.		Weight	Power dissipation according to temperature increase °C P(W)*				
		[AXBXC]	[DXEXF]			[GXH]	[IXJ]		K	KG	20	25	30
ROC32PO	3x2	270x180x141	250x160x124	245x155	200x110	-	-	1.00	12.05	15.06	18.07	21.08	24.09
ROC32APO	3x2 high	270x180x171	250x160x154	245x155	200x110	-	-	1.30	12.05	15.06	18.07	21.08	24.09
ROC33PO	3x3	270x270x171	250x250x154	245x245	200x200	-	-	1.70	17.49	21.86	26.23	30.60	34.97
ROC34PO	3x4	270x360x171	250x340x154	245x335	200x290	-	-	2.10	21.38	26.72	32.06	37.41	42.75
ROC34APO	3x4 high	270x360x201	250x340x184	245x335	200x290	-	-	2.40	23.45	29.32	35.18	41.05	46.91
ROC42PO	4x2	360x180x171	340x160x154	335x155	290x110	-	-	2.40	17.12	21.40	25.69	29.97	34.25
ROC44PO	4x4	360x360x171	340x340x154	335x335	290x290	-	-	2.50	26.49	33.11	39.74	46.36	52.98
ROC44APO	4x4 high	360x360x201	340x340x184	335x335	290x290	-	-	2.90	28.91	36.14	43.36	50.59	57.82
ROC63PO	6x3	540x270x171	515x245x154	515x245	470x200	200	-	2.80	30.45	38.06	45.67	53.28	60.90
ROC63APO	6x3 high	540x270x201	515x245x184	515x245	470x200	200	-	3.00	33.28	41.60	49.92	58.25	66.57
ROC64PO	6x4	540x360x171	515x335x154	515x335	470x290	200	-	3.60	36.72	45.90	55.08	64.26	73.44
ROC64APO	6x4 high	540x360x201	515x335x184	515x335	470x290	200	-	4.00	39.82	49.77	59.73	69.68	79.64
ROC66PO	6x6	540x540x171	515x515x154	515x515	470x470	200	-	4.80	49.26	61.58	73.89	86.21	98.52
ROC66APO	6x6 high	540x540x201	515x515x184	515x515	470x470	200	-	5.40	52.89	66.11	79.33	92.56	105.78
ROC84PO	8x4	720x360x201	695x335x184	695x335	650x290	290	-	6.60	50.73	63.41	76.09	88.77	101.46
ROC86PO	8x6	720x540x201	695x515x184	695x515	650x470	290	-	6.80	66.97	83.72	100.46	117.20	133.95

RAL 7035 polyester.
Polyester body - Opaque polycarbonate lid.
1 module = 90 mm.

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".



Opaque lid

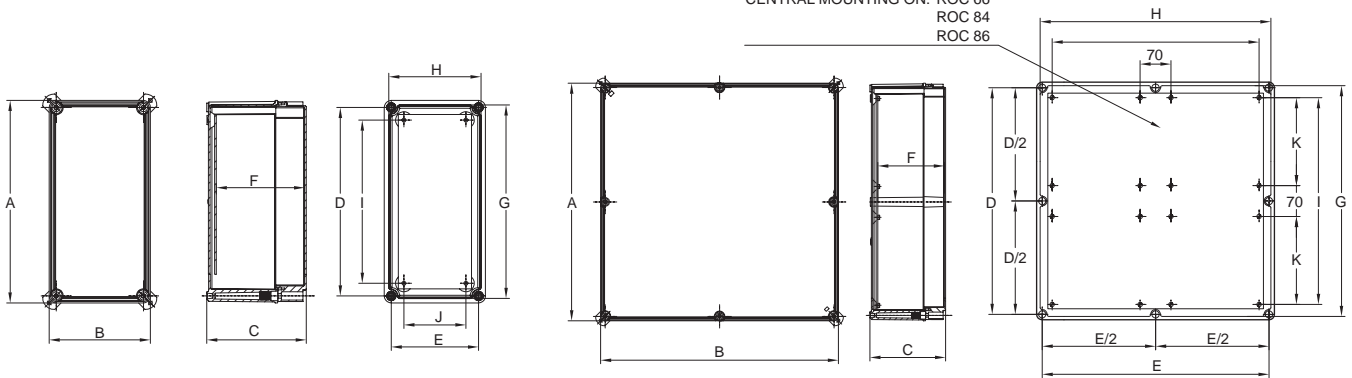


Transparent lid

ROC

Dimensions

CENTRAL MOUNTING ON: ROC 66
ROC 84
ROC 86



Base plates



Reference No.	Base plate dim.	Thickness	For box type
POLYESTER			
HEIGHT X WIDTH			
PPL32	220x130	3	ROC32
PPL33	220x220	3	ROC33
PPL34	220x310	3	ROC34
PPL42	310x130	3	ROC42
PPL44	310x310	3	ROC44
PPL63	490x220	4	ROC63
PPL64	490x310	4	ROC64
PPL66	490x490	4	ROC66
PPL84	670x310	4	ROC84
PPL86	670x490	4	ROC86
BAKELITE			
HEIGHT X WIDTH			
PBL32	220x130	4	ROC32
PBL33	220x220	4	ROC33
PBL34	220x310	4	ROC34
PBL42	310x130	4	ROC42
PBL44	310x310	4	ROC44
PBL63	490x220	4	ROC63
PBL64	490x310	4	ROC64
PBL66	490x490	4	ROC66
PBL84	670x310	4	ROC84
PBL86	670x490	4	ROC86
METAL			
HEIGHT X WIDTH			
PML32	220x130	2	ROC32
PML33	220x220	2	ROC33
PML34	220x310	2	ROC34
PML42	310x130	2	ROC42
PML44	310x310	2	ROC44
PML63	490x220	2	ROC63
PML64	490x310	2	ROC64
PML66	490x490	2	ROC66
PML84	670x310	2	ROC84
PML86	670x490	2	ROC86

MATERIAL: Ref. PPL: Fibreglass-reinforced polyester.
 Ref. PBL: Insulating Baquelite. Ref. PML: Galvanised steel.
CHARACTERISTICS: The screws required for assembly are supplied with the box.

Coupling flanges



Reference No.	Description
29503	Coupling flange for width B=270
29504	Coupling flange for width B=360

MATERIAL: Grey polycarbonate.
CHARACTERISTICS: For coupling boxes together. With sealing gasket and the necessary screws.

Side closing cover



Reference No.	Description
29513	Closing plate for width B=270
29514	Closing plate for width B=360

MATERIAL: Grey polycarbonate.
CHARACTERISTICS: Side-opening closing covers. With sealing gasket and the necessary screws.

Wall-mounting



Reference No. Description

29521	Wall-mounting lugs
29523	INOX wall-mounting lugs
29524	Post-to-wall

MATERIAL: Galvanised steel - Stainless steel.
CHARACTERISTICS: Wall- or post-fixing devices.

Ventilation and bleeding devices



Reference No. Description

29530	Bleeding device
29531	Small ventilation device
29532	Large ventilation device

MATERIAL: Thermoplastic.
CHARACTERISTICS: They facilitate air circulation through convection inside the modules, preventing the formation of condensation. Designed to prevent the entry of foreign bodies.

Hinges



Reference No. Description

29540	External hinges (2-piece bag) Except for 3x2 module boxes
29541	Flexible hinge for screwdriver
29542	Manual flexible hinge
29543	Articulated internal metal hinges (2-piece bag)

CHARACTERISTICS: For side opening of modules.

Cable accessories



Reference No. Description

29545	Cable box A 263/109
29546	Cable box B 173/109

Closing screw



Reference No. Description

29550	Manual head (4-piece bag)
29551	Grey screwdriver head (4-piece bag)
29552	Blue screwdriver head (4-piece bag)
29553	Triangular head (4-piece bag)

MATERIAL: Polyamide.
CHARACTERISTICS: Captive and sealable.



IP55-IP65 Steel floor-standing cabinets

The Floor-Standing Cabinets of the ARGENTA PLUS series are a set of industrial steel enclosures designed to contain any type of electrical device and equipment necessary for the supply, distribution and conversion of electricity, and are 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 create their own arrangements depending on their needs. It is highly functional thanks to the different possibilities for joining cabinets together, the possibility of installing any type of electrical device and the comprehensive range of accessories available for this series.

Intended for the most professional sector, the range is available in three versions: combinable, semi-compact and compact.

ARGENTA PLUS



COMPACT (BIG) Technical Specifications

- **Degree of protection:**
Single-door cabinets: IP65 / NEMA 1, 12, 4.
Double-door cabinets: IP55 / NEMA 1, 12.
 - **Resistance to impact:**
Body and opaque doors: IK10.
 - **Ambient temperature range:** -25 °C / +40 °C.
 - **Maximum temperature for sealing gasket:** 80 °C.
 - **Maximum temperature for polyester paint:** 125 °C.
- (See references on page 80)

SEMI-COMPACT (FSC) Technical Specifications

- **Degree of protection:**
Single-door cabinets: IP65 / NEMA 1, 12, 4.
Double-door cabinets: IP55 / NEMA 1, 12.
 - **Resistance to impact:**
Body and opaque doors: IK10.
Transparent doors: IK09.
 - **Ambient temperature range:** -25 °C / +40 °C.
 - **Maximum temperature for sealing gasket:** 80 °C.
 - **Maximum temperature for polyester paint:** 125 °C.
- (See references on page 86)

COMBINABLE (ENL) Technical Specifications

- **Degree of protection:**
Single-door cabinets: IP55 / NEMA 1, 12.
Double-door cabinets: IP55 / NEMA 1, 12.
 - **Resistance to impact:**
Body and opaque doors: IK10.
Transparent doors: IK09.
 - **Ambient temperature range:** -25 °C / +40 °C.
 - **Maximum temperature for sealing gasket:** 80 °C.
 - **Maximum temperature for polyester paint:** 125 °C.
- (See references on page 92-93)

IP55-IP65 Floor-standing cabinets Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1
(as applicable).
UL508A and Gost-R certificates (for ENL and FSC cabinets).

IP55-IP65 Floor-standing cabinets Electrical properties

- **Rated operating voltage (U_o):** 1000 V AC.
- **Rated insulation voltage (U_i):** 1000 V AC.
- **Rated impulse withstand voltage (U_{imp}):**
12 kV (depending on type of accessory).
- **Current (I_e):**
BIG: up to 3200A (depending on type of accessory).
ENL-FSC: up to 7400A (depending on type of accessory).
- **Rated short-time withstand current (I_{cw}):**
105 kA (1s) (depending on type of accessory).
- **Rated peak withstand current (I_{pk}):**
231 kV (depending on type of accessory).



Product series

Standard:

- Opaque door cabinets with mounting plate.
- Single door up to width of 1000 mm.
- Double door as of width of 1000 mm.
- Height: 1650 - 1800 - 2000.
- Width: 600 - 800 - 1000 - 1200.
- Depth: 400 - 500.

To order:

- Special cabinets, dimensions, cut-outs, colours, etc.

Supply

- Supplied on pallets, protected with honeycomb cardboard corner pieces and shrink-wrap film.
- The plate is supplied assembled.
- Key.
- Assembly instructions.

Compact and robust with a body that delivers greater rigidity and maximum flexibility

Material

- Cold-rolled steel EN10130+A1.
- Injected polyurethane sealing gasket.

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 µ, with UV protection.
- Corrosion resistance according to the UNE-EN62208 standard. C4-M classification according to the ASIM B-117:97, ISO 9227:07 and ISO 12944-6-98 standards.
- Specific coating treatments can be applied to order, to increase the degree of corrosion resistance to reach the C5-H classification.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 7035 polyester paint, thickness between 80-120 microns. A1.02 paint system according to the UNE-EN ISO 12944-5 standard.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.

ARGENTA PLUS COMPACT (BIG)

IP55-IP65 steel floor-standing compact cabinets



Body

- Single-piece cabinet body with detachable rear panel. Manufactured in 1.5-mm thick sheet with sealing gasket to guarantee IP protection.
- Four profiles fitted on the corners attached to the enclosure by nut bolts afford the cabinet excellent robustness.

Cable entry

- Cable entry covered by detachable and exchangeable plates made of 1.5-mm thick galvanised steel.
- Covers of 100 mm and 200 mm depending on cabinet depth.

Insulation kit

- The 48690 insulation kit should be ordered to achieve IP65 protection.

Door

- 2-mm-thick opaque door with 120° reversible opening.
- Four hidden and detachable hinges made of reinforced zamak.
- Double door as of width of 1000 mm:
Opaque door 1000 mm: PO500+PO500
Opaque door 1200 mm: PO600+PO600
- Sealing gasket to guarantee IP55/IP65 protection.
- Reinforcement profiles with cut-out holes with separation of 25 mm for fitting accessories.

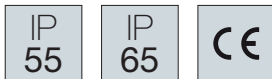
Locks

- 4-Point 1/4 turn lock, double-bit insert with retractable handle in RAL 7016 grey.
- Double door prepared for the installation of 2-point 1/4 turn interior double lock and double-bit exterior insert with handle, supplied as accessory.
- Other types of lock are also supplied as accessories.

Mounting plate

- Made from galvanised sheet steel with a thickness of 3 mm, reinforced with C-shaped folds.
- It includes the 4 depth-adjustable supports required for fitting.
- Plates supplied assembled in the cabinet.





Single-door cabinets with mounting plate. Compact IP65*

Reference No.	Dimensions	Opaque door	Cable entry	Unit weight	Power dissipation according to temperature increase °C P(W)***				
					AXBXC	WIDTH X DEPTH	KG	20	25
BIG1656040PO	1650x600x400	PO	370x310	82.00	320.1	400.1	480.2	560.2	640.2
BIG1658040PO	1650x800x400	PO	570x310	103.63	383.2	479.1	574.9	670.7	766.5
BIG16510040PO	1650x1000x400	PO	770x310	139.00	446.4	558.0	669.6	781.2	892.8
BIG1806040PO	1800x600x400	PO	370x310	89.00	345.8	432.3	518.8	605.2	691.7
BIG1808040PO	1800x800x400	PO	570x310	110.00	413.6	517.0	620.4	723.8	827.2
BIG1808050PO	1800x800x500	PO	570x410	148.00	461.6	577.0	692.3	807.7	923.1
BIG18010040PO	1800x1000x400	PO	770x310	150.00	481.4	601.7	722.0	842.4	962.7
BIG18010050PO	1800x1000x500	PO	770x410	185.00	532.4	665.5	798.6	931.7	1064.8
BIG2006040PO	2000x600x400	PO	370x310	99.00	380.2	475.2	570.2	665.3	760.3
BIG2008040PO	2000x800x400	PO	570x310	121.82	454.1	567.6	681.1	794.6	908.2
BIG2008050PO	2000x800x500	PO	570x410	165.00	506.0	632.5	759.0	885.5	1012.0
BIG20010040PO	2000x1000x400	PO	770x310	174.00	528.0	660.0	792.0	924.0	1056.0
BIG20010050PO	2000x1000x500	PO	770x410	206.00	583.0	728.8	874.5	1020.3	1166.0

Double-door cabinets with mounting plate. Compact IP55**

Reference No.	Dimensions	Opaque door	Cable entry	Unit weight	Power dissipation according to temperature increase °C P(W)***				
					AXBXC	WIDTH X DEPTH	KG	20	25
BIG16510040POD	1650x1000x400	PO	770x310	126.36	446.4	558.0	669.6	781.2	892.8
BIG16512040POD	1650x1200x400	PO	970x310	150.90	509.5	636.9	764.3	891.7	1019.0
BIG18010040POD	1800x1000x400	PO	770x310	136.36	481.4	601.7	722.0	842.4	962.7
BIG18010050POD	1800x1000x500	PO	770x410	185.00	532.4	665.5	798.6	931.7	1064.8
BIG18012040POD	1800x1200x400	PO	970x310	157.27	549.1	686.4	823.7	961.0	1098.2
BIG18012050POD	1800x1200x500	PO	970x410	223.00	603.2	754.1	904.9	1055.7	1206.5
BIG20010040POD	2000x1000x400	PO	770x310	158.18	528.0	660.0	792.0	924.0	1056.0
BIG20010050POD	2000x1000x500	PO	770x410	206.00	583.0	728.8	874.5	1020.3	1166.0
BIG20012040POD	2000x1200x400	PO	970x310	170.00	601.9	752.4	902.9	1053.4	1203.8
BIG20012050POD	2000x1200x500	PO	970x410	247.00	660.0	825.0	990.0	1155.0	1320.0

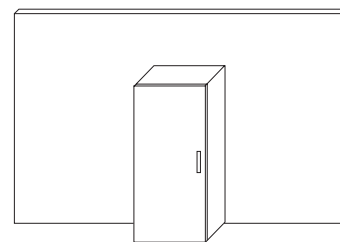
RAL 7035 rolled steel.
Supplied with mounting plate.
Cable-gland lid included.

* The 48690 insulation kit should be ordered to achieve IP65 protection.

** An interior double lock is needed to achieve IP55 protection.
(A=1650 Ref.: 48483; A= 1800 Ref.: 48484; A=2000 Ref.: 48485).

*** Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".

SEE DIMENSIONS ON PAGES 82 AND 83.



Insulation kit



Reference No. Description

48690 IP65 Insulation kit

Needed to achieve IP65 / NEMA 1, 12, 4 protection in BIG-type compact cabinets.

ARGENTA PLUS COMPACT (BIG)

IP55-IP65 steel floor-standing compact cabinets

Maximum acceptable loads

Maximum load in cabinet: 1100 kg*.

Maximum load to be lifted with lifting devices (4 eyebolts): 1250 kg**.

Maximum load on plate: 600 kg.

* The weight of the mounting plate should also be considered when calculating this load.

** The weight provided includes the enclosure weight. This value is valid for an angle of 90° or less of the lifting chains or ropes.



Argenta plus compact single-door



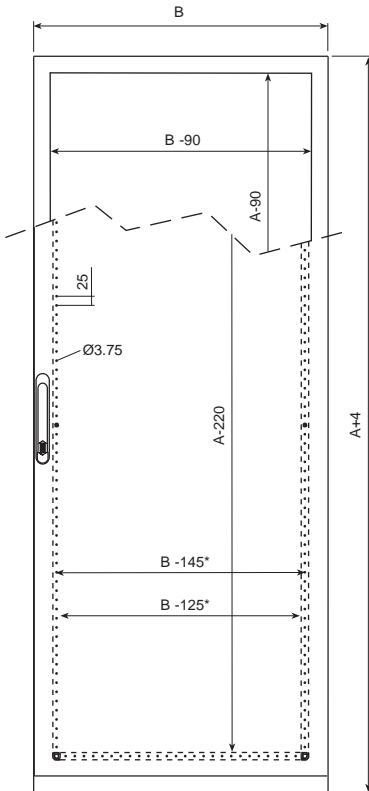
Argenta plus compact double-door



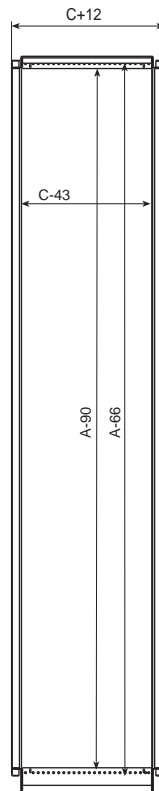
Dimensions

Argenta plus compact single-door

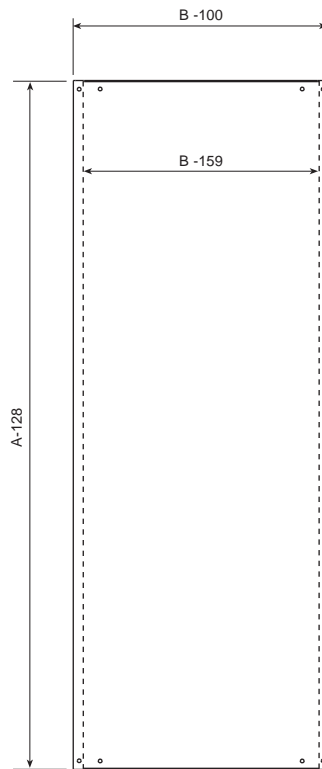
Front



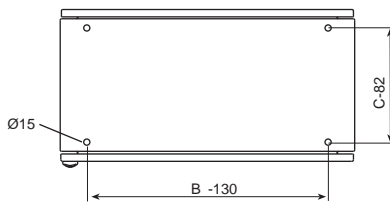
Side section



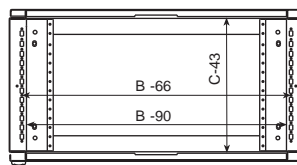
Mounting plate



Ground plan



Ground plan section



* For B=600 change to B-170
B-150

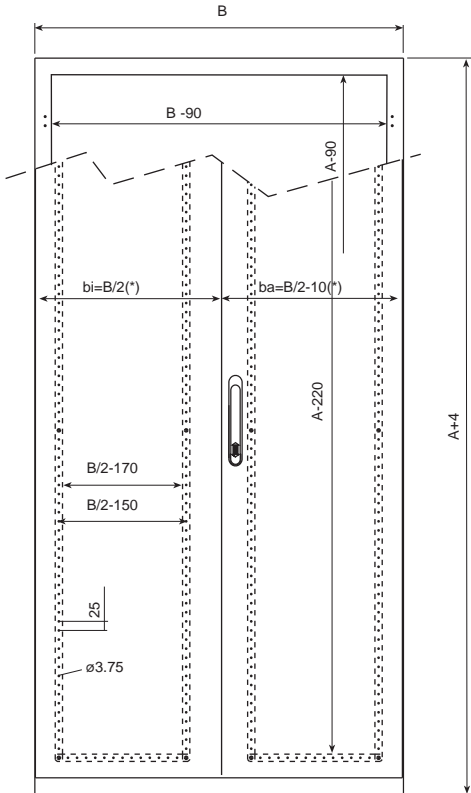
ARGENTA PLUS COMPACT (BIG)

IP55-IP65 steel floor-standing compact cabinets

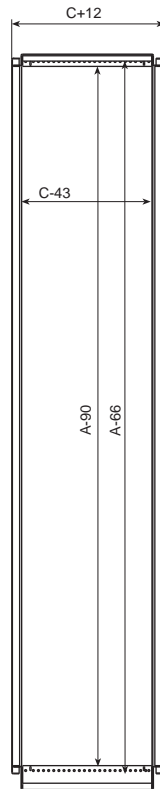
Dimensions

Argenta plus compact double-door

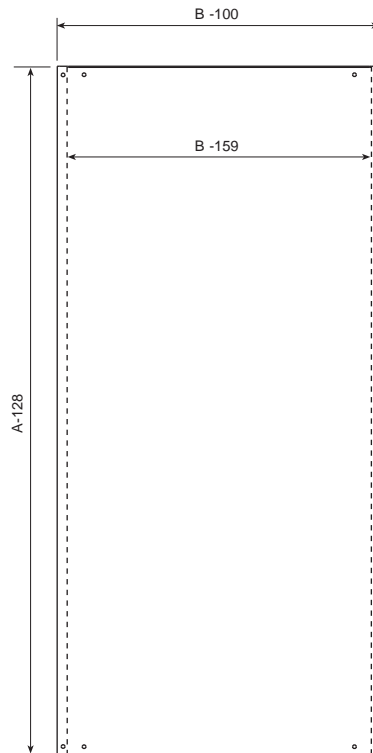
Front



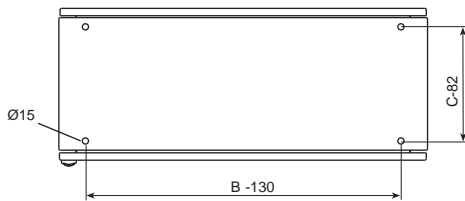
Side section



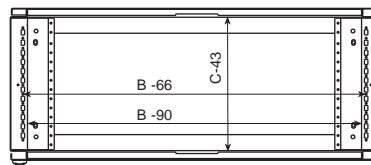
Mounting plate



Ground plan



Ground plan section



(*) For asymmetrical doors, B=1000, bi=400, ba=590
B=1200, bi=400, ba=790



* Plinth supplied as accessory.

Product series

- Opaque and transparent door cabinets without mounting plate.
- Single door up to width of 1000 mm.
- Double door as of width of 1000 mm.
- Height: 1650 - 1800 - 2000 mm.
- Width: 600 - 800 - 1000 - 1200 - 1600 mm.
- Depth: 400 - 500 mm.

Supply

Supplied on pallets, protected with honeycomb cardboard corner pieces and shrink-wrap film. The plate can be supplied assembled on request.

- 2 lifting eyebolts fitted.
- Key.
- Assembly instructions.

Intended for industrial and outdoor use, where a high degree of protection is required

Material

- Cold-rolled steel EN10130+A1.
- Injected polyurethane sealing gasket.

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 µ, with UV protection.
- Corrosion resistance according to the UNE-EN62208 standard. C4-M classification according to the ASIM B-117:97, ISO 9227:07 and ISO 12944-6-98 standards.
- Specific coating treatments can be applied to order, to increase the degree of corrosion resistance to reach the C5-H classification.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 7035 polyester paint, thickness between 80-120 microns. A1.02 paint system according to the UNE-EN ISO 12944-5 standard.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.

ARGENTA PLUS SEMI-COMPACT (FSC)

IP55-IP65 steel floor-standing semi-compact cabinets



Body

Single and symmetrical body comprised of:

- Closed sides made of 1.5-mm thick sheet.
- Exterior profiles with a tubular structure that affords the unit great solidity.
- Metal parts welded internally to the cabinet structure to guarantee maximum rigidity and yield strength.
- Covered with 14x9 square cut-outs for caged nuts and round cut-outs with a diameter of 4.65 for machined screws. Distance between cut-outs is 25 mm.

Rear panels

- Made from sheet with a thickness of 1.5 mm.
- Sealing gasket to guarantee IP55/IP65 protection.
- M6 countersunk screws for attachment.
- Reversible and replaceable with a door (as accessory).

Top cover

- Made from sheet with a thickness of 1.5 mm.
- Sealing gasket to guarantee IP55/IP65 protection.
- M12 bolts for placement.
- Supplied with two lifting eyebolts fitted.
- Includes M8 bolts for earthing.

Cable entry

- Cable entry covers with adjustable opening, manufactured in galvanised steel with a thickness of 2 mm.
- Covers of 100 mm and 200 mm depending on cabinet depth.
- Brush protection gasket (as accessory).

Insulation kit

- The 48690 insulation kit should be ordered to achieve IP65 protection.

Door

- Possibility of opaque or transparent door with 120° reversible opening.
- 2-mm thick opaque door.
- 4-mm thick tempered transparent glass door.
- Four hidden and detachable hinges made of reinforced zamak.
- Double door as of width of 1000 mm:
 - Opaque door 1000 mm: PO500+PO500.
 - Opaque door 1200 mm: PO600+PO600.
 - Transparent door 1000 mm: PT600+PO400.
 - Transparent door 1200 mm: PT800+PO400.
- Sealing gasket to guarantee IP55/IP65 protection.
- Reinforcement profiles with cut-out holes with separation of 25 mm for fitting accessories.
- Possibility of fitting an inside door in cabinets up to a width of 1000 mm (as accessory).

Locks

- Single door: 4-point lock, double-bit insert with retractable handle in RAL 7016 grey.
- Double door: Double lock; Interior: 2-point ¼ turn. Exterior: double-bit insert with retractable handle in RAL 7016 grey.
- Other types of locks supplied as accessories.

Mounting plate

- Made from galvanised sheet steel with a thickness of 3 mm, reinforced with C-shaped folds.
- It includes the 4 depth-adjustable supports for fitting.
- Plates supplied as accessory.





Single-door cabinets without mounting plate. Semi-compact IP65*

Reference No.	Dimensions	Door		Cable entry	Glass door with transp. panel		Weight		Power dissipation according to temperature increase °C P(W)**				
									AXBXC	OPAQUE	TRANS.	WIDTH X DEPTH	HEIGHT X WIDTH
FSC1656040PO/SP	1650x600x400	PO	PT	370x310	1436x430	75.00	71.00	320.1	400.1	480.2	560.2	640.2	
FSC1658040PO/SP	1650x800x400	PO	PT	570x310	1436x630	89.66	85.70	383.2	479.1	574.9	670.7	766.5	
FSC1658050PO/SP	1650x800x500	PO	PT	570x410	1436x630	124.00	120.00	428.2	535.3	642.3	749.4	856.5	
FSC16510040PO/SP	1650x1000x400	PO	-	770x310	-	102.58	-	446.4	558.0	669.6	781.2	892.8	
FSC16510050PO/SP	1650x1000x500	PO	-	770x410	-	144.00	-	494.5	618.1	741.7	865.3	988.9	
FSC1806040PO/SP	1800x600x400	PO	PT	370x310	1586x430	80.00	75.80	345.8	432.3	518.8	605.2	691.7	
FSC1808040PO/SP	1800x800x400	PO	PT	570x310	1586x630	95.37	91.40	413.6	517.0	620.4	723.8	827.2	
FSC1808050PO/SP	1800x800x500	PO	PT	570x410	1586x630	97.00	95.00	461.6	577.0	692.3	807.7	923.1	
FSC18010040PO/SP	1800x1000x400	PO	-	770x310	-	109.16	-	481.4	601.7	722.0	842.4	962.7	
FSC18010050PO/SP	1800x1000x500	PO	-	770x410	-	111.97	-	532.4	665.5	798.6	931.7	1064.8	
FSC2006040PO/SP	2000x600x400	PO	PT	370x310	1786x430	87.00	83.00	380.2	475.2	570.2	665.3	760.3	
FSC2008040PO/SP	2000x800x400	PO	PT	570x310	1786x630	102.99	99.00	454.1	567.6	681.1	794.6	908.2	
FSC2008050PO/SP	2000x800x500	PO	PT	570x410	1786x630	104.75	103.00	506.0	632.5	759.0	885.5	1012.0	
FSC20010040PO/SP	2000x1000x400	PO	-	770x310	-	117.92	-	528.0	660.0	792.0	924.0	1056.0	
FSC20010050PO/SP	2000x1000x500	PO	-	770x410	-	121.36	-	583.0	728.8	874.5	1020.3	1166.0	

Double-door cabinets without mounting plate. Semi-compact IP55

Reference No.	Dimensions	Door		Cable entry	Glass door with transp. panel		Weight		Power dissipation according to temperature increase °C P(W)**				
									AXBXC	OPAQUE	TRANS.	WIDTH X DEPTH	HEIGHT X WIDTH
FSC16510040PO/DC	1650x1000x400	PO	PT	770x310	1436x430	140.00	138.00	446.4	558.0	669.6	781.2	892.8	
FSC16510050PO/DC	1650x1000x500	PO	PT	770x410	1436x430	147.00	145.00	494.5	618.1	741.7	865.3	988.9	
FSC16512040PO/DC	1650x1200x400	PO	PT	970x310	1436x630	167.88	166.00	509.5	636.9	764.3	891.7	1019.0	
FSC18010040PO/DC	1800x1000x400	PO	PT	770x310	1586x430	102.00	105.00	481.4	601.7	722.0	842.4	962.7	
FSC18010050PO/DC	1800x1000x500	PO	PT	770x410	1586x430	114.00	119.00	532.4	665.5	798.6	931.7	1064.8	
FSC18012040PO/DC	1800x1200x400	PO	PT	970x310	1586x630	120.71	118.70	549.1	686.4	823.7	961.0	1098.2	
FSC18012050PO/DC	1800x1200x500	PO	PT	970x410	1586x630	124.11	122.00	603.2	754.1	904.9	1055.7	1206.5	
FSC18016040PO/DC	1800x1600x400	PO	-	1370x310	-	173.00	-	684.6	855.8	1027.0	1198.1	1369.3	
FSC18016050PO/DC	1800x1600x500	PO	-	1370x410	-	178.00	-	744.9	931.2	1117.4	1303.6	1489.8	
FSC20010040PO/DC	2000x1000x400	PO	PT	770x310	1786x430	120.00	113.90	528.0	660.0	792.0	924.0	1056.0	
FSC20010050PO/DC	2000x1000x500	PO	PT	770x410	1786x430	123.00	132.00	583.0	728.8	874.5	1020.3	1166.0	
FSC20012040PO/DC	2000x1200x400	PO	PT	970x310	1786x630	140.55	141.00	601.9	752.4	902.9	1053.4	1203.8	
FSC20012050PO/DC	2000x1200x500	PO	PT	970x410	1786x630	143.00	150.00	660.0	825.0	990.0	1155.0	1320.0	
FSC20016040PO/DC	2000x1600x400	PO	-	1370x310	-	183.00	-	749.8	937.2	1124.6	1312.1	1499.5	
FSC20016050PO/DC	2000x1600x500	PO	-	1370x410	-	188.00	-	814.0	1017.5	1221.0	1424.5	1628.0	

RAL 7035 rolled steel.

Eyebolts and cable entry lids included. Supplied without mounting plate.

For special cabinets, check availability of UL certificate.

For cabinets with transparent door replace PO with PT. E.g: FSC18010040PT/SP.

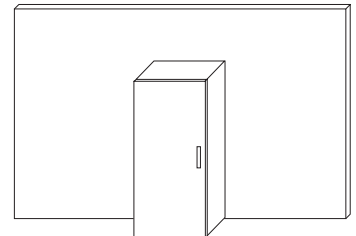
Asymmetrical transparent double doors:

Cabinets with a width of 1000: PT600 + PO400 / Cabinets with a width of 1200: PT800 + PO400.

* The 48690 insulation kit should be ordered to achieve IP65 protection.

** Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".

SEE DIMENSIONS ON PAGES 88 AND 89.



Insulation kit



Reference No.

Description

48690

IP65 Insulation kit

Needed to achieve IP65 / NEMA 1, 12, 4 protection in FSC-type semi-compact cabinets.

ARGENTA PLUS SEMI-COMPACT (FSC)

IP55-IP65 steel floor-standing semi-compact cabinets

Maximum acceptable loads

Maximum load in cabinet: 1100 kg*.

Maximum load to be lifted with lifting devices (4 eyebolts): 1250 kg**.

Maximum load on plate: 600 kg.

* The weight of the mounting plate should also be considered when calculating this load.

** The weight provided includes the enclosure weight. This value is valid for an angle of 90° or less of the lifting chains or ropes.



Semi-compact
opaque door



Semi-compact
opaque double door



Semi-compact
transparent door



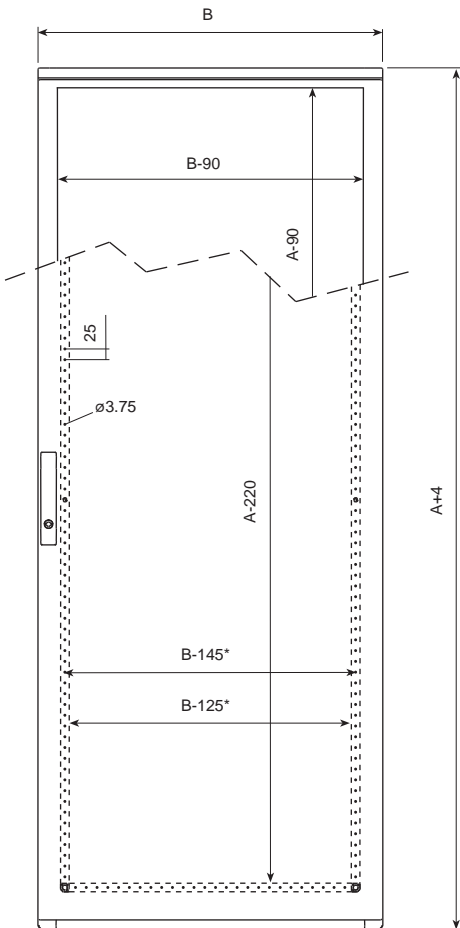
Semi-compact
transparent double door



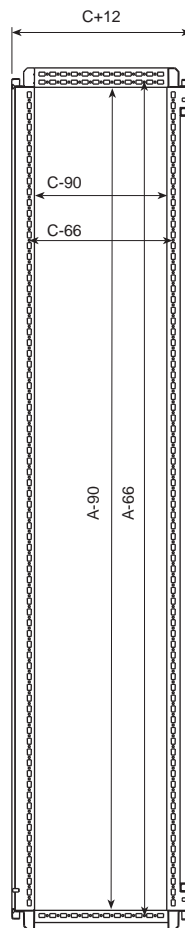
Dimensions

Argenta plus semi-compact single-door

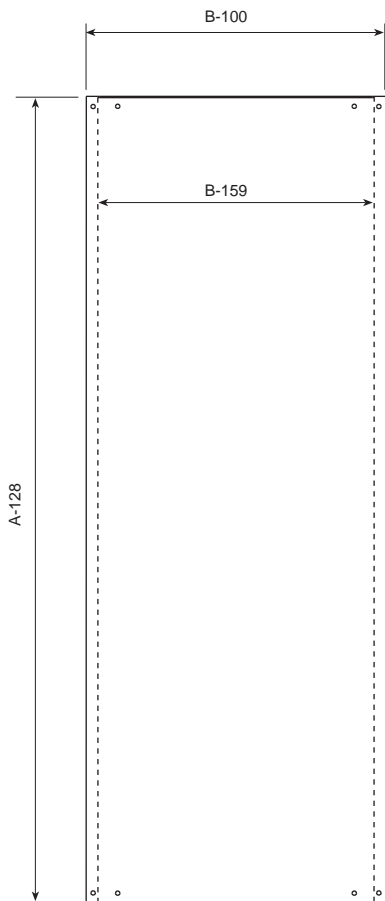
Front



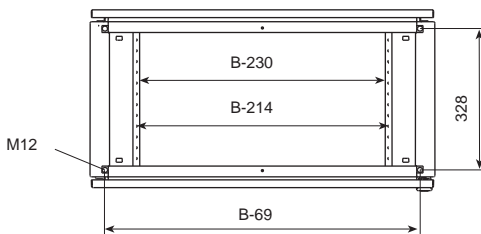
Side section



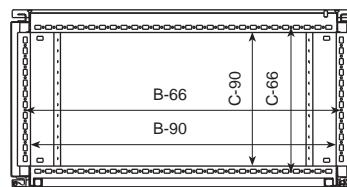
Mounting plate



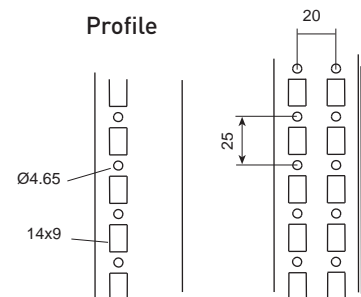
Ground plan



Ground plan section



Profile



* For B=600, change for B-170
B-150

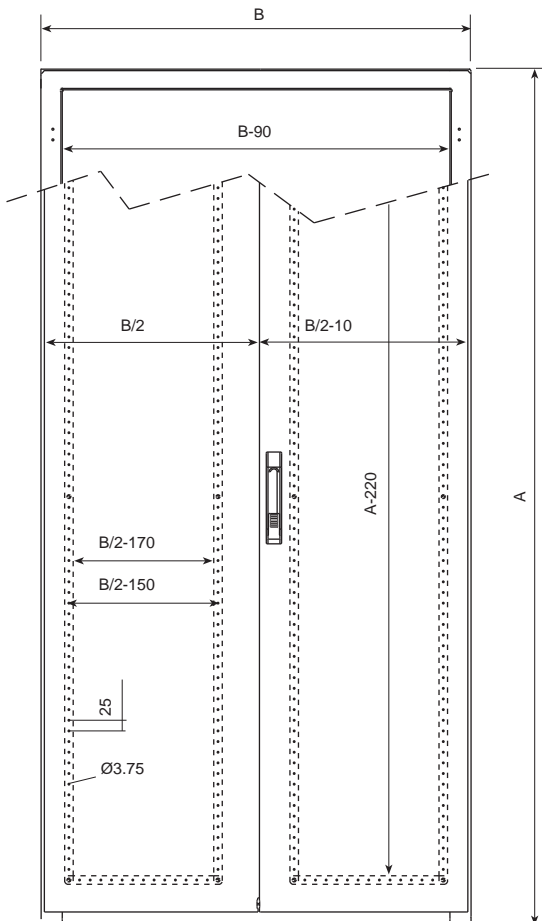
ARGENTA PLUS SEMI-COMPACT (FSC)

IP55-IP65 steel floor-standing semi-compact cabinets

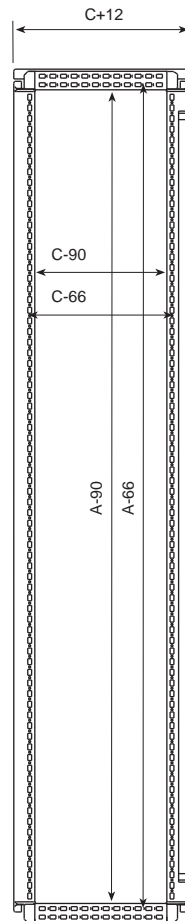
Dimensions

Argenta plus semi-compact double-door

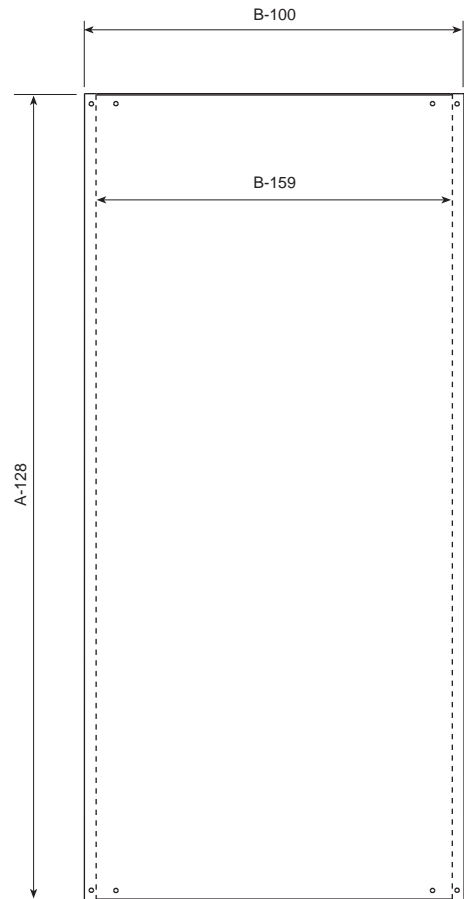
Front



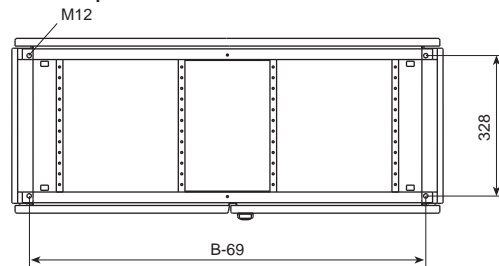
Side section



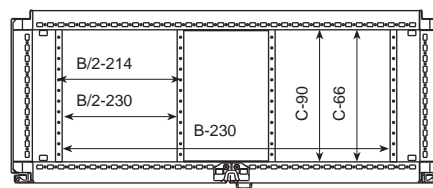
Mounting plate



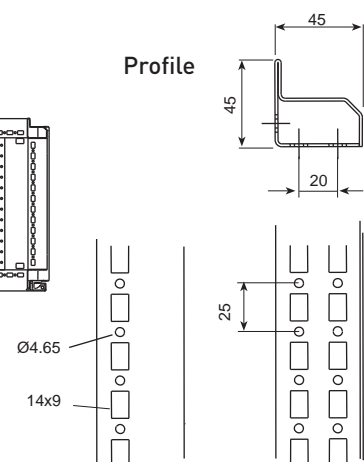
Ground plan



Ground plan section



Profile





* Plinth supplied as accessory.

Product series

- Opaque and transparent door cabinets without mounting plate.
- Single door up to width of 1000 mm.
- Double door as of width of 1000 mm.
- Height: 1650 - 1800 - 2000 - 2200 mm.
- Width: 600 - 800 - 1000 - 1200 - 1600 mm.
- Depth: 400 - 500 - 600 - 800 mm.

Supply

Supplied on pallets, protected with honeycomb cardboard corner pieces and shrink-wrap film.

The plate can be supplied assembled on request.

The side panels are supplied assembled on request.

- 2 lifting eyebolts fitted.
- Key.
- Assembly instructions.

Different joining possibilities in order to achieve large-sized structures

Material

- Cold-rolled steel EN10130+A1.
- Injected polyurethane sealing gasket.

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 µ, with UV protection.
- Corrosion resistance according to the UNE-EN62208 standard. C4-M classification according to the ASIM B-117:97, ISO 9227:07 and ISO 12944-6-98 standards.
- Specific coating treatments can be applied to order, to increase the degree of corrosion resistance to reach the C5-H classification.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 7035 polyester paint, thickness between 80-120 microns. A1.02 paint system according to the UNE-EN ISO 12944-5 standard.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.

ARGENTA PLUS COMBINABLE (ENL)

IP55 steel floor-standing combinable cabinets



Body

- Tubular structure that affords the unit great solidity.
- Insides with square and round cut-outs for fitting accessories. Distance between cut-outs is 25 mm.
- Flat outsides with cut-outs for fixing doors and panels.
- Profiles with parts welded internally to guarantee maximum rigidity and yield strength.
- Reversible in all directions.

Side panels - Rear panel

- Made from sheet with a thickness of 1.5 mm.
- Sealing gasket to guarantee IP55 protection.
- M6 countersunk screws for attachment.
- Side panels: Supplied as an accessory to facilitate cabinet combination.
- Rear panel: Reversible and replaceable with a door (door supplied as accessory).

Top cover

- Made from sheet with a thickness of 1.5 mm.
- Sealing gasket to guarantee IP55 protection.
- M12 bolts for placement.
- Supplied with two lifting eyebolts fitted.
- Includes M8 bolts for earthing.

Cable entry

- Cable entry covers with adjustable opening, manufactured in galvanised steel with a thickness of 2 mm.
- Covers of 100 mm and 200 mm depending on cabinet depth.
- Brush protection gasket (as accessory).

Door

- Possibility of opaque or transparent door with 120° reversible opening.
- 2-mm thick opaque door.
- 4-mm thick tempered transparent glass door.
- Four hidden and detachable hinges made of reinforced zamak.
- Double door as of width of 1000 mm:
Opaque door 1000 mm: PO500+PO500.
Opaque door 1200 mm: PO600+PO600.
Opaque door 1600 mm: PO800+PO800.
Transparent door 1000 mm: PT600+PO400.
Transparent door 1200 mm: PT800+PO400.
- Sealing gasket to guarantee IP55 protection.
- Reinforcement profiles with cut-out holes with separation of 25 mm for fitting accessories.
- Possibility of fitting an inside door in cabinets up to a width of 800 mm (as accessory).

Locks

- Single door: 4-point lock, double-bit insert with retractable handle in RAL 7016 grey.
- Double door: Double lock; Interior: 2-point ¼ turn. Exterior: double-bit insert with retractable handle in RAL 7016 grey.
- Other types of locks supplied as accessories.

Mounting plate

- Made from galvanised sheet steel with a thickness of 3 mm, reinforced with C-shaped folds.
- It includes the 4 depth-adjustable supports required for fitting.
- Plates supplied as accessory.





Single-door cabinets without mounting plate. IP55 Combinable

Reference No.	Dimensions	Door		Cable entry	Glass door with transparent panel		Power dissipation according to temperature increase °C P(W)*					
					PO	PT	20	25	30	35	40	
	AXBXC	OPAQUE	TRANS.	WIDTH X DEPTH	HEIGHT X WIDTH							
ENL1656050PO/SP	1650x600x500	PO	PT	370x410	1436x430	57.00	55.00	362.0	452.5	543.0	633.5	724.0
ENL1656060PO/SP	1650x600x600	PO	PT	370x510	1436x430	75.00	68.00	403.9	504.9	605.9	706.9	807.8
ENL1658050PO/SP	1650x800x500	PO	PT	570x410	1436x630	82.00	80.00	428.2	535.3	642.3	749.4	856.5
ENL1658060PO/SP	1650x800x600	PO	PT	570x510	1436x630	85.00	82.00	473.2	591.5	709.8	828.1	946.4
ENL16510050PO/SP	1650x1000x500	PO	-	770x410	-	95.00	-	494.5	618.1	741.7	865.3	988.9
ENL16510060PO/SP	1650x1000x600	PO	-	770x510	-	98.00	-	542.5	678.2	813.8	949.4	1085.0
ENL1806040PO/SP	1800x600x400	PO	PT	370x310	1586x430	71.25	67.10	345.8	432.3	518.8	605.2	691.7
ENL1806050PO/SP	1800x600x500	PO	PT	370x410	1586x430	73.35	69.20	390.7	488.4	586.1	683.8	781.4
ENL1806060PO/SP	1800x600x600	PO	PT	370x510	1586x430	75.44	71.30	435.6	544.5	653.4	762.3	871.2
ENL1808040PO/SP	1800x800x400	PO	PT	570x310	1586x630	85.69	81.60	413.6	517.0	620.4	723.8	827.2
ENL1808050PO/SP	1800x800x500	PO	PT	570x410	1586x630	88.29	84.20	461.6	577.0	692.3	807.7	923.1
ENL1808060PO/SP	1800x800x600	PO	PT	570x510	1586x630	90.90	86.80	509.5	636.9	764.3	891.7	1019.0
ENL18010040PO/SP	1800x1000x400	PO	-	770x310	-	99.48	-	481.4	601.7	722.0	842.4	962.7
ENL18010050PO/SP	1800x1000x500	PO	-	770x410	-	102.37	-	532.4	665.5	798.6	931.7	1064.8
ENL18010060PO/SP	1800x1000x600	PO	-	770x510	-	105.26	-	583.4	729.3	875.2	1021.0	1166.9
ENL2006040PO/SP	2000x600x400	PO	PT	370x310	1786x430	76.52	72.87	380.2	475.2	570.2	665.3	760.3
ENL2006050PO/SP	2000x600x500	PO	PT	370x410	1786x430	78.61	74.97	429.0	536.3	643.5	750.8	858.0
ENL2006060PO/SP	2000x600x600	PO	PT	370x510	1786x430	80.71	77.07	477.8	597.3	716.8	836.2	955.7
ENL2006080PO/SP	2000x600x800	PO	PT	370x710	1786x430	84.90	81.18	575.5	719.4	863.3	1007.2	1151.0
ENL2008040PO/SP	2000x800x400	PO	PT	570x310	1786x630	92.10	87.71	454.1	567.6	681.1	794.6	908.2
ENL2008050PO/SP	2000x800x500	PO	PT	570x410	1786x630	94.71	90.32	506.0	632.5	759.0	885.5	1012.0
ENL2008060PO/SP	2000x800x600	PO	PT	570x510	1786x630	97.31	92.92	557.9	697.4	836.9	976.4	1115.8
ENL2008080PO/SP	2000x800x800	PO	PT	570x710	1786x630	102.51	98.03	661.8	827.2	992.6	1158.1	1323.5
ENL20010040PO/SP	2000x1000x400	PO	-	770x310	-	107.04	-	528.0	660.0	792.0	924.0	1056.0
ENL20010050PO/SP	2000x1000x500	PO	-	770x410	-	109.93	-	583.0	728.8	874.5	1020.3	1166.0
ENL20010060PO/SP	2000x1000x600	PO	-	770x510	-	112.82	-	638.0	797.5	957.0	1116.5	1276.0
ENL20010080PO/SP	2000x1000x800	PO	-	770x710	-	118.60	-	748.0	935.0	1122.0	1309.0	1496.0
ENL2208060PO/SP	2200x800x600	PO	PT	570x510	1986x630	114.00	116.00	606.3	757.9	909.5	1061.1	1212.6
ENL2208080PO/SP	2200x800x800	PO	PT	570x710	1986x630	120.00	122.00	718.1	897.6	1077.1	1256.6	1436.2

RAL 7035 rolled steel.

Eyebolts and cable entry lids included. Supplied without mounting plates or side panels.

Cabinets with a height of 2200 mm do not have UL certificate. For special cabinets, check availability of UL certificate.

For cabinets with transparent door replace PO with PT. E.g: ENL18010040PT/SP.

SEE DIMENSIONS ON PAGE 94.



Side panels

Ref. No.	Dimensions		Sheet thickness
	HEIGHT	DEPTH	
PLA16550	1650	500	1.5
PLA16560	1650	600	1.5
PLA18040	1800	400	1.5
PLA18050	1800	500	1.5
PLA18060	1800	600	1.5
PLA20040	2000	400	1.5
PLA20050	2000	500	1.5
PLA20060	2000	600	1.5
PLA20080	2000	800	1.5
PLA22060	2200	600	1.5
PLA22080	2200	800	1.5

MATERIAL: Made from sheet with a thickness of 1.5 mm.

SUPPLY: 2-panel pack.

ARGENTA PLUS COMBINABLE (ENL)

IP55 steel floor-standing combinable cabinets

Double-door cabinets without mounting plate. IP55 Combinable

Type reference	Dimensions	Door		Cable entry	Glass door with transparent panel		Power dissipation according to temperature increase °C P(W)*					
					PO	PT	20	25	30	35	40	
	AXBXC	OPAQUE	TRANS.	WIDTH X DEPTH	HEIGHT X WIDTH							
ENL16510050PO/DC	1650x1000x500	PO	PT	770x410	1436x420	93.00	95.00	494.5	618.1	741.7	865.3	988.9
ENL16510060PO/DC	1650x1000x600	PO	PT	770x510	1436x420	99.00	98.00	542.5	678.2	813.8	949.4	1085.0
ENL16512050PO/DC	1650x1200x500	PO	PT	970x410	1436x620	114.00	116.00	560.7	700.8	841.0	981.2	1121.3
ENL16512060PO/DC	1650x1200x600	PO	PT	970x510	1436x620	118.00	119.00	611.8	764.8	917.7	1070.7	1223.6
ENL18010040PO/DC	1800x1000x400	PO	PT	770x310	1586x420	99.00	88.50	481.4	601.7	722.0	842.4	962.7
ENL18010050PO/DC	1800x1000x500	PO	PT	770x410	1586x420	100.00	100.40	532.4	665.5	798.6	931.7	1064.8
ENL18010060PO/DC	1800x1000x600	PO	PT	770x510	1586x420	107.00	103.30	583.4	729.3	875.2	1021.0	1166.9
ENL18012040PO/DC	1800x1200x400	PO	PT	970x310	1586x620	121.50	118.70	549.1	686.4	823.7	961.0	1098.2
ENL18012050PO/DC	1800x1200x500	PO	PT	970x410	1586x620	123.50	122.10	603.2	754.1	904.9	1055.7	1206.5
ENL18012060PO/DC	1800x1200x600	PO	PT	970x510	1586x620	127.50	125.50	657.4	821.7	986.0	1150.4	1314.7
ENL18016040PO/DC	1800x1600x400	PO	-	1370x310	-	127.00	-	684.6	855.8	1027.0	1198.1	1369.3
ENL18016050PO/DC	1800x1600x500	PO	-	1370x410	-	130.00	-	744.9	931.2	1117.4	1303.6	1489.8
ENL20010040PO/DC	2000x1000x400	PO	PT	770x310	1786x420	105.00	105.00	528.0	660.0	792.0	924.0	1056.0
ENL20010050PO/DC	2000x1000x500	PO	PT	770x410	1786x420	111.00	107.90	583.0	728.8	874.5	1020.3	1166.0
ENL20010060PO/DC	2000x1000x600	PO	PT	770x510	1786x420	112.00	110.80	638.0	797.5	957.0	1116.5	1276.0
ENL20010080PO/DC	2000x1000x800	PO	PT	770x710	1786x420	117.00	116.50	748.0	935.0	1122.0	1309.0	1496.0
ENL20012040PO/DC	2000x1200x400	PO	PT	970x310	1786x620	128.00	127.60	601.9	752.4	902.9	1053.4	1203.8
ENL20012050PO/DC	2000x1200x500	PO	PT	970x410	1786x620	132.74	131.00	660.0	825.0	990.0	1155.0	1320.0
ENL20012060PO/DC	2000x1200x600	PO	PT	970x510	1786x620	134.00	136.00	718.1	897.6	1077.1	1256.6	1436.2
ENL20012080PO/DC	2000x1200x800	PO	PT	970x710	1786x620	142.00	140.00	834.2	1042.8	1251.4	1459.9	1668.5
ENL20016040PO/DC	2000x1600x400	PO	-	1370x310	-	120.00	-	749.8	937.2	1124.6	1312.1	1499.5
ENL20016050PO/DC	2000x1600x500	PO	-	1370x410	-	143.00	-	814.0	1017.5	1221.0	1424.5	1628.0

RAL 7035 rolled steel.

Eyebolts and cable entry lids included. Supplied without mounting plates or side panels. For special cabinets, check availability of UL certificate.

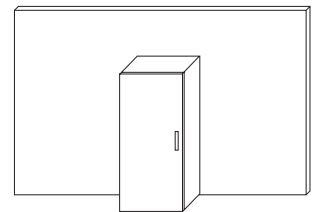
For cabinets with transparent door replace PO with PT. E.g: ENL18010040PT/DC.

Asymmetrical transparent double doors:

Cabinets with a width of 1000: PT600 + PO400 / Cabinets with a width of 1200: PT800 + PO400.

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".

SEE DIMENSIONS ON PAGE 95.



Maximum acceptable loads

Maximum load in cabinet: 1100 kg*.

Maximum load to be lifted with lifting devices (4 eyebolts): 1250 kg**.

Maximum load on plate: 600 kg.

* The weight of the mounting plate should also be considered when calculating this load.

** The weight provided includes the enclosure weight. This value is valid for an angle of 90° or less of the lifting chains or ropes.



Opaque door combinable



Transparent door combinable



Opaque double door combinable



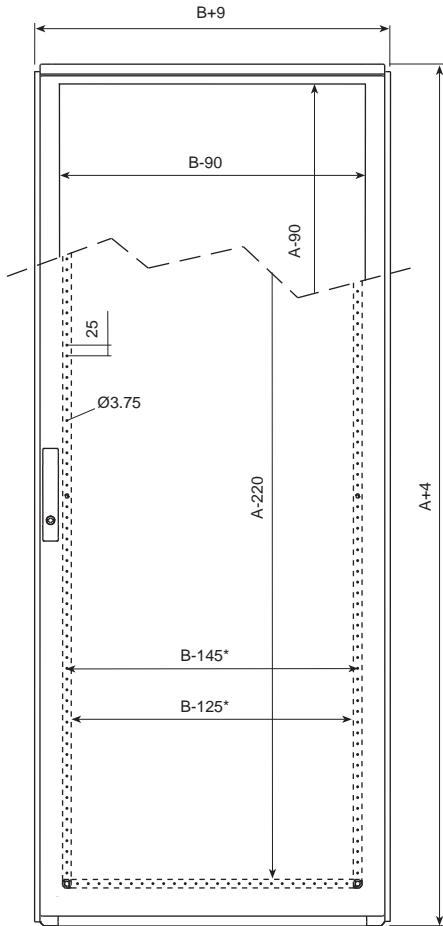
Transp. double door combinable



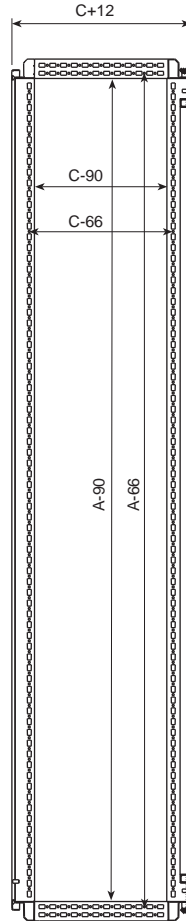
Dimensions

Argenta plus single-door combinable

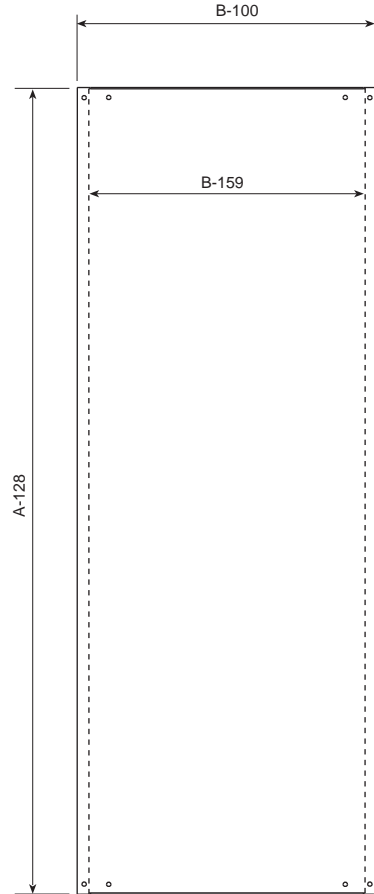
Front



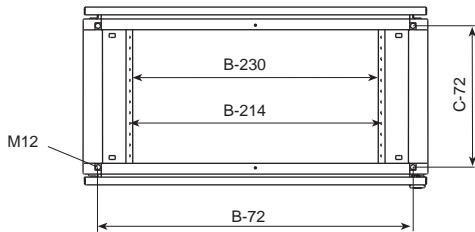
Side section



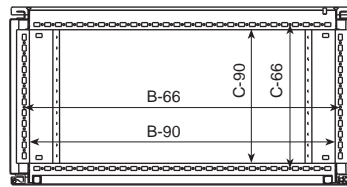
Mounting plate



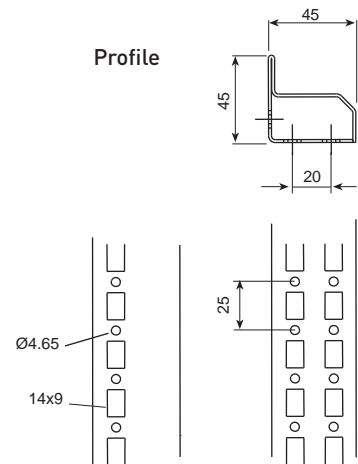
Ground plan



Ground plan section



Profile



* For B=600, change to B-170
B-150

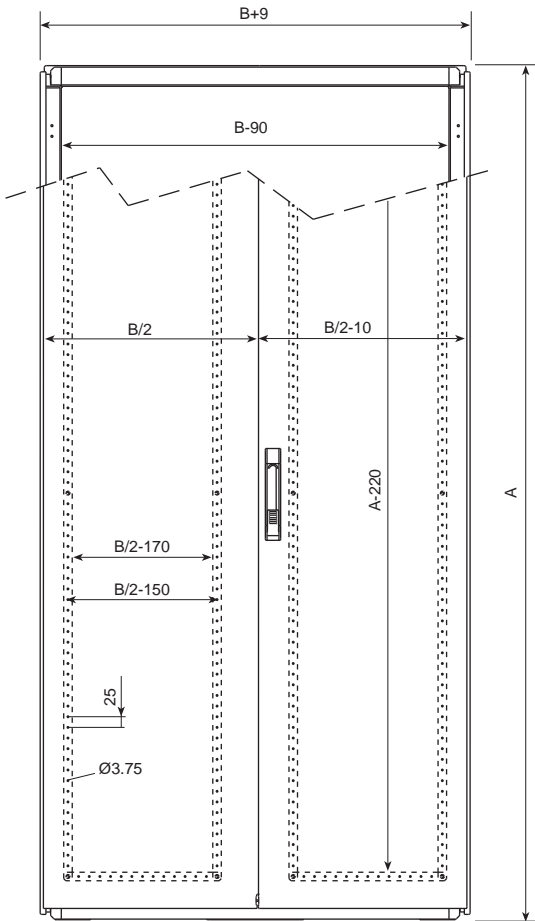
ARGENTA PLUS COMBINABLE (ENL)

IP55 steel floor-standing combinable cabinets

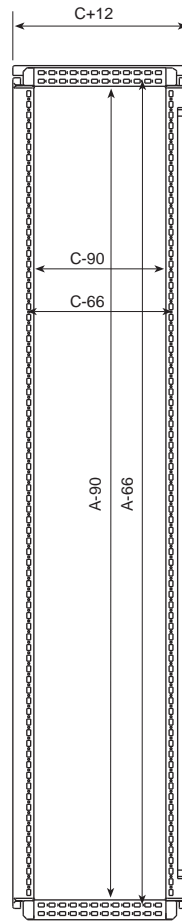
Dimensions

Argenta plus double-door combinable

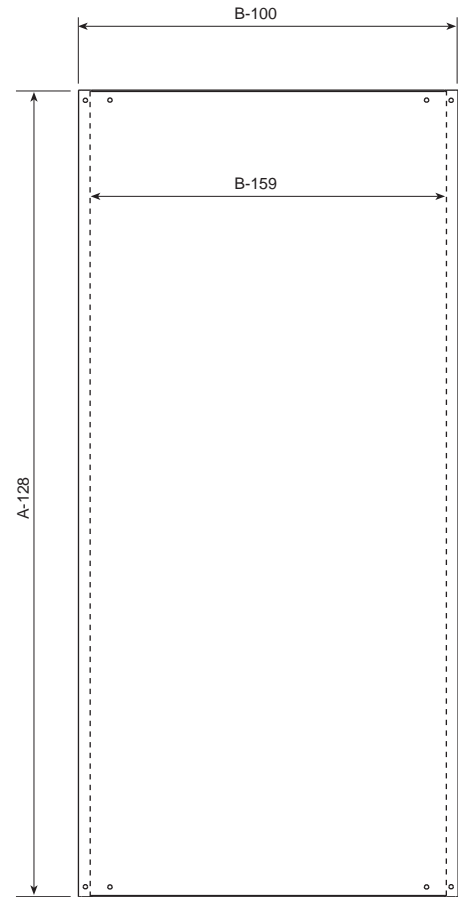
Front



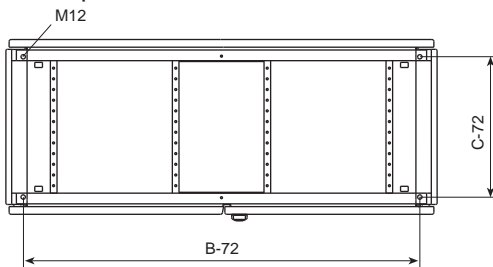
Side section



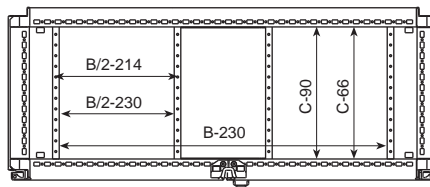
Mounting plate



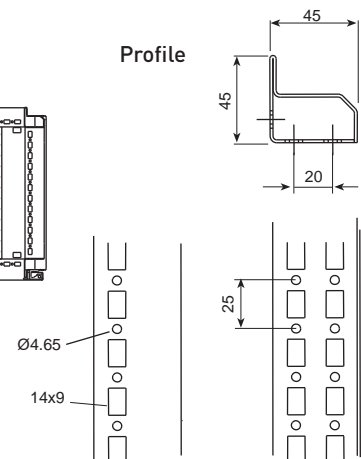
Ground plan



Ground plan section



Profile



IP55 PC control cabinet



Reference No.	Dimensions	Cable entry
	HEIGHT X WIDTH X DEPTH	WIDTH X DEPTH
ENLPC1656060	1650x600x600	370x510
ENLPC1656080	1650x600x800	370x710

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: Multi-function cabinet for PC for industrial environments. IP55 degree of protection.

Partial front doors that restrict access to each function by means of slot-type locks.

Keyboard cover with keyless wing nut lock.

Partial upper door with glass for 19" display.

Opaque door at bottom. Area for holding CPU, printers, etc., with the possibility of adding trays.

Retractable keyboard tray to support mouse on right or left.

Display tray included.

It is supplied with 2 lifting eyebolts to facilitate transport.

Computing equipment not included.

Fixed trays for PC control cabinets



Reference No.	Dimensions		For cabinet	
	WIDTH X DEPTH	WIDTH	DEPTH	
BNF6040	600x320	600	400	
BNF6060	600x520	600	600	
BNF6080	600x720	600	800	

MATERIAL: Galvanised steel.

CHARACTERISTICS: Trays that are secured to the bottom of the PC control cabinet for holding CPU, printers, etc.

For assembly, a set of PME profiles with the same depth as the cabinet is needed (see page 114).

They are supplied with all the screws required for installation.

19" rack type assembly profiles for PC control cabinets



Reference No.	Description	Assembly units
PMR19/10U	19" rack profile (2-piece pack)	10

MATERIAL: Galvanised steel.

CHARACTERISTICS: For assembly, 2 sets of PMI or PME profiles with the same depth as the cabinet are needed (see page 114-115).

ARGENTA PLUS

IP55 PC Control cabinet

Locks for PC control cabinets



Ref. 48526

Ref. 48527

Ref. 48528

Reference No.	Description
48526	2.5 slotted 1/4 turn lock (2-piece pack)
48527	1/4 turn lock with wing nut without key (2-piece pack)
48528	1/4 turn lock with wing nut with key code 2233 (2-piece pack)

MATERIAL: Zamak.

CHARACTERISTICS: Locks for fitting to PC control cabinets.
Supply: Pack of two pieces per reference

Wall-mounted enclosures for assembled and wired power sockets



Reference No.	No. of modules	Weight KG	Components						
			No.	Description	IP	Poles	I (A)	Voltage (V)	
SV4100	1x4 DIN rail	1.15	4	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.

DIMENSIONS: 330x138x110 mm.

TYPE: 65TC04 - IP44.

Box suggested to be able to connect all the devices inside the PC control cabinet.

ARGENTA PLUS



Mounting plates



Reference No.	Dimensions	For cabinet	
		HEIGHT	WIDTH
TOTAL PLAIN	HEIGHT X WIDTH		
PL16560	1522x500	1650	600
PL16580	1522x700	1650	800
PL165100	1522x900	1650	1000
PL165120	1522x1100	1650	1200
PL18040	1672x300	1800	400
PL18060	1672x500	1800	600
PL18080	1672x700	1800	800
PL180100	1672x900	1800	1000
PL180120	1672x1100	1800	1200
PL180160	1672x1500	1800	1600
PL20040	1872x300	2000	400
PL20060	1872x500	2000	600
PL20080	1872x700	2000	800
PL200100	1872x900	2000	1000
PL200120	1872x1100	2000	1200
PL200160	1872x1500	2000	1600
PL22040	2072x300	2200	400
PL22080	2072x700	2200	800

MATERIAL: Galvanised sheet steel with a thickness of 3 mm.

CHARACTERISTICS: Reinforced with C-shaped folds. Depth-adjustable. 12.5 mm adjustment.

The 1600-mm wide plates consist of an assembly of two 750-mm plates joined together. The PLC-type linking plates can be assembled in units consisting of two or more cabinets (see page 99).

Maximum load on plate: 600 kg.

It includes 4 adjustable supports for installation.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.



Reference No.	Dimensions	Sheet thickness For cabinet	
		Sheet thickness	WIDTH
PARTIAL PLAIN	HEIGHT X WIDTH		
PLP2040	200x225	2	400
PLP2060	200x425	2	600
PLP2080	200x625	2	800
PLP3040	300x225	2	400
PLP3060	300x425	2	600
PLP3080	300x625	2	800
PLP30100	300x825	3	1000
PLP30120	300x1025	3	1200
PLP4040	400x225	2	400
PLP4060	400x425	2	600
PLP4080	400x625	3	800
PLP40100	400x825	3	1000
PLP40120	400x1025	3	1200
PLP6040	600x225	2	400
PLP6060	600x425	2	600
PLP6080	600x625	3	800
PLP60100	600x825	3	1000
PLP60120	600x1025	3	1200

MATERIAL: Galvanised sheet steel.

CHARACTERISTICS:

Reinforced with C-shaped folds.

All the accessories necessary for assembly are included.

Attachment to the structure's vertical profiles.

FOR THE FOLLOWING CABINETS: FSC - ENL.

ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Mounting plates



Reference No.	Dimensions		For cabinet
	HEIGHT X WIDTH		WIDTH
PARTIAL SLOTTED			
PLPU3040	300x225		400
PLPU3060	300x425		600
PLPU3080	300x625		800
PLPU30100	300x825		1000
PLPU30120	300x1025		1200
PLPU4040	400x225		400
PLPU4060	400x425		600
PLPU4080	400x625		800
PLPU40100	400x825		1000
PLPU40120	400x1025		1200
PLPU6040	600x225		400
PLPU6060	600x425		600
PLPU6080	600x625		800
PLPU60100	600x825		1000
PLPU60120	600x1025		1200

MATERIAL: Galvanised sheet steel with a thickness of 2 mm.

CHARACTERISTICS: Reinforced with C-shaped folds.

Allows the straightforward installation of switchgear with caged nuts, with no need for drilling or screwing.

All the accessories necessary for assembly are included.

FOR THE FOLLOWING CABINETS: FSC - ENL.

Linking plates



Reference No.	Dimensions		For cabinet
	HEIGHT X WIDTH		HEIGHT
PLC1800	1672x95		1800
PLC2000	1872x95		2000
PLC2200	2072x95		2200

MATERIAL: Galvanised sheet steel with a thickness of 2 mm.

CHARACTERISTICS: For achieving continuous surfaces in mounting plates for two or more cabinets.

All the accessories necessary for assembly are included.

FOR THE FOLLOWING CABINETS: ENL.

Separation plates



Reference No.	Dimensions		For cabinet	
	HEIGHT X WIDTH		HEIGHT	DEPTH
PLS18040	1672x292		1800	400
PLS20040	1872x292		2000	400
PLS18050	1672x395		1800	500
PLS20050	1872x395		2000	500
PLS18060	1672x495		1800	600
PLS20060	1872x495		2000	600
PLS18080	1672x695		1800	800
PLS20080	1872x695		2000	800

MATERIAL: Galvanised sheet steel with a thickness of 3 mm.

CHARACTERISTICS: For separating or dividing combined cabinets.

Reinforced with C-shaped folds.

All the accessories necessary for assembly are included.

FOR THE FOLLOWING CABINETS: ENL.

Slide way



Reference No.	Description
48500	Plate combination pack

Reference No.	For plate WIDTH
GD400	400
GD600	600
GD800	800
GD1000	1000
GD1200	1200

MATERIAL: Galvanised steel.

CHARACTERISTICS: Reference 48500 and the slideway pack must be ordered depending on plate width.

It is used to join plates, thus yielding a rigid unit that facilitates assembly and makes the most of the plate's surface.

The plates are supplied completely assembled and fit neatly into the cabinet.

Once in their final position they are secured by means of screws that prevent any kind of movement.





FOR THE FOLLOWING CABINETS: ENL.

Plate combination guideway

Total width of cabinets	Plate combination	Total plate width
1000	2xPLxxx60	1000
1200	1xPLxxx80+1xPLxxx60	1200
1400	2xPLxxx80	1400
1600	1xPLxxx100+1xPLxxx80	1600
1800	2xPLxxx100	1800
2000	1xPLxxx120+1xPLxxx100	2000
2200	2xPLxxx120	2200
2400	2xPLxxx80+2xPLxxx60	2400
2600	1xPLxxx120+3xPLxxx60	2600
2800	4xPLxxx80	2800
3000	1xPLxxx100+3xPLxxx80	3000
3200	1xPLxxx120+3xPLxxx80	3200
3400	3xPLxxx100+1xPLxxx80	3400
3600	4xPLxxx100	3600
3800	3xPLxxx120+1xPLxxx60	3800
4000	3xPLxxx120+1xPLxxx80	4000





Accessory packs for plates

		Reference No.	Description
		48471	Total plate assembly supports (4-piece pack)
		48473	Total plate central support (2-piece pack)
		48472	Partial plate assembly supports (4-piece pack)
		48419	Separation plate assembly supports (4-piece pack)
		48474	Linking plate assembly supports (2-piece pack)



MATERIAL: Galvanised steel.
CHARACTERISTICS: Brackets for attaching plates directly to the cabinet structure. Maximum load (4 brackets): 600 kg.
 The packs of brackets plus the fixing elements are supplied.
FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Connection packs for combinable cabinets

		Reference No.	Description
		48111	Internal connection of combinable cabinets (6-piece pack)
		48112	Corner connection of combinable cabinets (4-piece pack)
		48116	Mixed connection pack; 4 pcs. Internal connection + 4 pcs. Corner connection


MATERIAL: Galvanised steel.
CHARACTERISTICS: Accessories for connecting combinable cabinets on the inside, thus yielding stable and robust structures.
 Packs are supplied with all the screws required for installation.
FOR THE FOLLOWING CABINETS: ENL.

Connection and lifting packs

		Reference No.	Description
		48114	Combinable cabinet connection and lifting brackets (2-piece pack)
		48115	M12 Lifting eyebolts (2-piece pack)

MATERIAL: Galvanised steel.
CHARACTERISTICS: Ref. 48114: Accessory for connecting and lifting combinable cabinets. Ref. 48115: Accessory for lifting compact, semi-compact and combinable cabinets. 2 pieces are supplied with the ENL and FSC-type cabinet reference.
 Packs are supplied with all the screws required for installation.
FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Wall-mounting pack

		Reference No.	Description
		48113	Wall-mounting brackets (2-piece pack)

MATERIAL: Galvanised steel.
CHARACTERISTICS: Cabinet wall-mounting brackets.
FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Insulation joints



Reference No. Description

TRIM JOINT

48478 Corner finishing joint in bright grey (6 m)

MATERIAL: Plasticised PVC.

CHARACTERISTICS: Temperature range -40 °C / + 90 °C.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Reference No. Description

CABINET CONNECTION JOINTS

48479 Cabinet connection insulation joint (6 m)

48480 Cabinet connection adhesive insulation joint (6 m)

48636 Insulation joint (1 m) + Adhesive joint (4.5 m)

MATERIAL: Ref. 48479: Rubber; Ref. 48480: Polyethylene foam.

CHARACTERISTICS: Needed to join cabinets at the side and at the back.

Attachment from the inside of the cabinets.

IP55 Protection guaranteed.

Ref. 48479 Temperature range -35 °C / + 130 °C.

FOR THE FOLLOWING CABINETS: ENL.

Reference No. Description

BRUSHES FOR CABLE ENTRY

48481 Brushes for cable entry (2 m)

MATERIAL: Thermoplastic rubber body; Polyamide 6 fibres.

CHARACTERISTICS: Brushes placed in the cable entries.

Body length 2 m, fibre height 35 mm.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.



Ref. 48479



Ref. 48480



Modular frame (without partition)



Reference No. Usable space Lid For cabinet

Reference No.	Usable space		Lid	For cabinet	
	HEIGHT	WIDTH	HEIGHT	WIDTH	
BTM16560	1450	600	1650	600	
BTM16580	1450	800	1650	800	
BTM165100	1450	1000	1650	1000	
BTM165120	1450	1200	1650	1200	
BTM18060	1600	600	1800	600	
BTM18080	1600	800	1800	800	
BTM180100	1600	1000	1800	1000	
BTM180120	1600	1200	1800	1200	
BTM180160	1600	1600	1800	1600	
BTM20060	1800	600	2000	600	
BTM20080	1800	800	2000	800	
BTM200100	1800	1000	2000	1000	
BTM200120	1800	1200	2000	1200	
BTM200160	1800	1600	2000	1600	
BTM22080	2000	800	2200	800	

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: Frame required to secure the DIN rail adjustment elements and the front lids.

Lids and DIN rails not included (see references on pages 104 and 105).

A double frame is supplied for cabinets with a width of 1200 mm and 1600 mm.

FOR THE FOLLOWING CABINETS: FSC - ENL.

ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Modular frame (with partition door)



Reference No.	Usable space		Lid		For cabinet	
	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH
BTM165100/P400	1450	600	1650	1000		
BTM165120/P400	1450	800	1650	1200		
BTM180100/P400	1600	600	1800	1000		
BTM180120/P400	1600	800	1800	1200		
BTM200100/P400	1800	600	2000	1000		
BTM200120/P400	1800	800	2000	1200		

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: It includes a 400-mm wide partition door.

It can be fitted to cabinets with a width of 1000 and 1200 mm.

Frame required to secure the DIN rail adjustment elements and the front lids.

Lids and DIN rails not included (see references on pages 104 and 105).

FOR THE FOLLOWING CABINETS: FSC - ENL.

Modular frame (with partition column)



Reference No.	Usable space		Lid		For cabinet	
	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH
BTM18080/E200	1600	600	1800	800		
BTM180100/E200	1600	800	1800	1000		
BTM20080/E200	1800	600	2000	800		
BTM200100/E200	1800	800	2000	1000		
BTM22080/E200	2000	600	2200	800		

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: It includes a 200-mm wide partition column.

It can be fitted to cabinets with a width of 800 and 1000 mm.

Frame required to secure the DIN rail adjustment elements and the front lids.

Lids and DIN rails not included (see references on pages 104 and 105).

FOR THE FOLLOWING CABINETS: FSC - ENL.



Modular lids



Reference No.	Dimensions		For cabinet	No. of modules
	HEIGHT	WIDTH		
FIXED MODULAR				
TMF1560	150	500	600	24
TMF1580	150	700	800	34
TMF15100	150	900	1000	46
TMF2060	200	500	600	24
TMF2080	200	700	800	34
TMF20100	200	900	1000	46
TMF3060	300	500	600	2x24
TMF3080	300	700	800	2x34
TMF30100	300	900	1000	2x46
TMF4060	400	500	600	2x24
TMF4080	400	700	800	2x34
TMF40100	400	900	1000	2x46



Reference No.	Dimensions		For cabinet	No. of modules
	HEIGHT	WIDTH		
FIXED BLIND				
TCF0560	50	500	600	-
TCF0580	50	700	800	-
TCF05100	50	900	1000	-
TCF1060	100	500	600	-
TCF1080	100	700	800	-
TCF10100	100	900	1000	-
TCF1560	150	500	600	-
TCF1580	150	700	800	-
TCF15100	150	900	1000	-
TCF2060	200	500	600	-
TCF2080	200	700	800	-
TCF20100	200	900	1000	-
TCF3060	300	500	600	-
TCF3080	300	700	800	-
TCF30100	300	900	1000	-
TCF4060	400	500	600	-
TCF4080	400	700	800	-
TCF40100	400	900	1000	-
TCF6060	600	500	600	-
TCF6080	600	700	800	-
TCF60100	600	900	1000	-



Reference No.	Dimensions		For cabinet	No. of modules
	HEIGHT	WIDTH		
MODULAR HINGED				
TMA1560	150	500	600	23
TMA1580	150	700	800	33
TMA15100	150	900	1000	46
TMA2060	200	500	600	23
TMA2080	200	700	800	33
TMA20100	200	900	1000	46
TMA3060	300	500	600	2x23
TMA3080	300	700	800	2x33
TMA30100	300	900	1000	2x46
TMA4060	400	500	600	2x23
TMA4080	400	700	800	2x33
TMA40100	400	900	1000	2x46

ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Modular lids



Reference No.	Dimensions		For cabinet	No. of modules
	HEIGHT	WIDTH	WIDTH	
BLIND HINGED				
TCA1560	150	500	600	-
TCA1580	150	700	800	-
TCA2060	200	500	600	-
TCA2080	200	700	800	-
TCA20100	200	900	1000	-
TCA3060	300	500	600	-
TCA3080	300	700	800	-
TCA4060	400	500	600	-
TCA4080	400	700	800	-
TCA6060	600	500	600	-
TCA6080	600	700	800	-

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: All covers are reversible. The hinged covers have an opening of 120°.

FOR THE FOLLOWING CABINETS: FSC - ENL.

Attachment kit + DIN rail (for modular lids)



Reference No.	Description	For cabinet			No. of modules
		WIDTH	HINGED	FIXED	
48154	Attachment kit + 600 mm DIN rail	600	23	24	
48156	Attachment kit + 800 mm DIN rail	800	33	34	
48158	Attachment kit + 1000 mm DIN rail	1000	46	46	

MATERIAL: Galvanised steel.

CHARACTERISTICS: Consists of depth-adjustable supports plus plain DIN rail. Adjustable from 53 to 120 mm.

Other types of DIN rail can be supplied as accessories (see page 175).

FOR THE FOLLOWING CABINETS: FSC - ENL.

Vertical trunking support kit



Reference No.	Description	No. For cabinet of modules	
		WIDTH	
49366	Vertical trunking support + 600 mm DIN rail	600	18
49367	Vertical trunking support + 800 mm DIN rail	800	28

MATERIAL: Galvanised steel.

CHARACTERISTICS: Supports for fixing cable distribution trunking vertically.

Housing for vertical trunking up to 60x60 mm.

Vertical and horizontal trunking supports can be linked together.

Comprises supports plus plain DIN rail.

FOR THE FOLLOWING CABINETS: FSC - ENL.

Horizontal trunking support kit



Reference No.	Description
49368	Horizontal trunking support (2-piece pack)

MATERIAL: ABS RAL 7035.

CHARACTERISTICS: Supports for fixing cable distribution trunking horizontally.

Two horizontal trunking fixing positions for separation between 150 or 200 mm DIN rails.

Vertical and horizontal trunking supports can be linked together.

Supply: Pack of 2 supports plus fixing screws.

FOR THE FOLLOWING CABINETS: FSC - ENL.

Corner module



Reference No.	Dimensions	For corners	
	HEIGHT X WIDTH X DEPTH	DEPTH 1	DEPTH 2
ESQ1804040	1800x400x400	400x400	-
ESQ1804050	1800x400x500	400x500	500x400
ESQ1804060	1800x400x600	400x600	600x400
ESQ1805050	1800x500x500	500x500	-
ESQ1805060	1800x500x600	500x600	600x500
ESQ1806060	1800x600x600	600x600	-
ESQ1806080	1800x600x800	600x800	800x600
ESQ2004040	2000x400x400	400x400	-
ESQ2004050	2000x400x500	400x500	500x400
ESQ2004060	2000x400x600	400x600	600x400
ESQ2004080	2000x400x800	400x800	800x400
ESQ2005050	2000x500x500	500x500	-
ESQ2005060	2000x500x600	500x600	600x500
ESQ2005080	2000x500x800	500x800	800x500
ESQ2006050	2000x600x500	600x500	500x600
ESQ2006060	2000x600x600	600x600	-
ESQ2006080	2000x600x800	600x800	800x600
ESQ2008080	2000x800x800	800x800	-

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: It allows you to combine cabinets in places where space is tight, by obtaining angled structures.

IP55 degree of protection.

Components: 1 structural frame, 1 top lid, 1 rear panel, adjustable cable entry covers, screws and assembly elements.

FOR THE FOLLOWING CABINETS: ENL.



ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Auxiliary module



Reference No.	Dimensions	For cabinet	
WIDTH 300 MM.	HEIGHT X WIDTH X DEPTH	HEIGHT	DEPTH
MEX1803040	1800x300x400	1800	400
MEX1803050	1800x300x500	1800	500
MEX1803060	1800x300x600	1800	600
MEX1803080	1800x300x800	1800	800
MEX2003040	2000x300x400	2000	400
MEX2003050	2000x300x500	2000	500
MEX2003060	2000x300x600	2000	600
MEX2003080	2000x300x800	2000	800
MEX2203060	2200x300x600	2200	600
MEX2203080	2200x300x800	2200	800
WIDTH 400 MM.	HEIGHT X WIDTH X DEPTH	HEIGHT	DEPTH
MEX1804040	1800x400x400	1800	400
MEX1804050	1800x400x500	1800	500
MEX1804060	1800x400x600	1800	600
MEX1804080	1800x400x800	1800	800
MEX2004040	2000x400x400	2000	400
MEX2004050	2000x400x500	2000	500
MEX2004060	2000x400x600	2000	600
MEX2004080	2000x400x800	2000	800
MEX2204060	2200x400x600	2200	600
MEX2204080	2200x400x800	2200	800

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: It allows you to set up an area inside the structure specially designed for placing busbars in the upright position or small input switches. IP55 degree of protection.

Components: 1 structural frame, 1 top lid, 1 rear panel, opaque door with standard lock, adjustable cable entry covers, 2 lifting eyebolts, screws and assembly elements.

FOR THE FOLLOWING CABINETS: ENL.

Lids for auxiliary module



Reference No.	Dimensions	
FIXED BLANKING COVERS 300 MM.	HEIGHT	WIDTH
TCF3030	300	300
TCF4030	400	300
TCF6030	600	300
TCF16030	1600	300
TCF18030	1800	300
FIXED BLANKING COVERS 400 MM.	HEIGHT	WIDTH
TCF3040	300	400
TCF4040	400	400
TCF6040	600	400
TCF16040	1600	400
TCF18040	1800	400

Reference No.	Description	Dimensions
UPPER-LOWER COVER		HEIGHT X WIDTH
48622	Upper-lower cover width 300 (2-piece pack)	50x209
48642	Upper-lower cover width 400 (2-piece pack)	50x309

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: They are used to close the front of the cabinet. They are available in different sizes so that the installer can divide the front and thus create partial or total openings.

FOR THE FOLLOWING CABINETS: MEX.

Busbar chamber



Reference No.	Dimensions	For cabinet	
		WIDTH	DEPTH
UPPER-LOWER	HEIGHT X WIDTH X DEPTH		
CE404060	400x400x600	400	600
CE404080	400x400x800	400	800
CE406060	400x600x600	600	600
CE406080	400x600x800	600	800
CE408060	400x800x600	800	600
CE408080	400x800x800	800	800
CE4010060	400x1000x600	1000	600
CE4010080	400x1000x800	1000	800
CE4012060	400x1200x600	1200	600
CE4012080	400x1200x800	1200	800



Reference No.	Description	For cabinet
		DEPTH
SIDE PANELS		
PLCE600	400x600 side panel (2-piece pack)	600
PLCE800	400x800 side panel (2-piece pack)	800

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: Used to place busbars outside the main cabinet.

It can be placed at the top or the bottom. All components are reversible, thus guaranteeing quick and straightforward installation.

IP55 degree of protection.

Components: Welded structure comprised of profiles and corners, 2 panels + 4 supports (front + side), and cabinet combination kit 48112.

In order to obtain the complete set, you must request the CE busbar chamber plus PLCE side panels, depending on the depth of the cabinet.

FOR THE FOLLOWING CABINETS: ENL.



ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Swing frame for 19" rack



Reference No.	Assembly units	For cabinet	
		HEIGHT	WIDTH
BP19/36U	36 U	1800	800
BP19/40U	40 U	2000	800
BP19/45U	45 U	2200	800

MATERIAL: Cabinet in RAL 7035 rolled steel; frame in galvanised steel.

CHARACTERISTICS: 19" swing frame; reversible with possibility of right or left opening. Maximum opening of 180°.

Retainer to keep the frame in the open position.

Axis-hinge system to ensure the stability of the swing frame when fully loaded.

Frames supplied with pressure insert lock. Possibility of fitting other inserts available as accessories.

Maximum load: 100 kg.

These references will be supplied assembled in the correspondent cabinet.

The complete Cabinet + frame set can be ordered (see ENLBP references on page 111).

FOR THE FOLLOWING CABINETS: ENL.



Fixed frame for 19" rack



Reference No.	Assembly units	For cabinet	
		HEIGHT	WIDTH
FIXED FRAME PROFILES			
BF19/39U	39 U	1800	600/800
BF19/43U	43 U	2000	600/800
BF19/48U	48 U	2200	600/800

MATERIAL: Galvanised steel.

CHARACTERISTICS: Highly resistant triple-fold profiles. With cut-outs for 19" devices on both sides, on the front and the side of the cabinet.

For assembly, PME-type profiles should be ordered depending on the type of application and assembly (see page 114).

Supply: 2-profile pack.

Reference No.	Description
FINISHING LIDS	
EBF19/39U	19" finishing lid 39U (4-piece pack)
EBF19/43U	19" finishing lid 43U (4-piece pack)
EBF19/48U	19" finishing lid 48U (4-piece pack)

MATERIAL: RAL 7035 rolled steel.

CHARACTERISTICS: Finishing lids to conceal wiring on side spaces.

They are secured to the profile supports with clips.

Order only for cabinets with a width of 800 mm.

Supply: 4-lid pack.



Reference No.	Description
FIXING BRACKET	
SBF19	Fixing bracket for fixed 19" frame (2-piece pack).

MATERIAL: Galvanised steel.

CHARACTERISTICS: Highly rigid and resistant brackets. The finishing lids can be clipped onto them.

Order only for cabinets with a width of 800 mm.

Supply: 2-bracket pack.

FOR THE FOLLOWING CABINETS: ENL.



ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

IP55 combinable cabinets with swing frame



Reference No.	Dimensions	Cable entry	Assembly units	Glass door with transparent panel
				H X W
ENLBP1808060PT/SP	1800x800x600	570x510	36 U	1586x420
ENLBP1808080PT/SP	1800x800x800	570x710	36 U	1586x420
ENLBP18010060PT/SP	1800x1000x600	770x510	36 U	1586x420
ENLBP18010080PT/SP	1800x1000x800	770x710	36 U	1586x420
ENLBP2008060PT/SP	2000x800x600	570x510	40 U	1786x420
ENLBP2008080PT/SP	2000x800x800	570x710	40 U	1786x420
ENLBP20010060PT/SP	2000x1000x600	770x510	40 U	1786x420
ENLBP20010080PT/SP	2000x1000x800	770x710	40 U	1786x420
ENLBP2208060PT/SP	2200x800x600	570x510	45 U	1986x420
ENLBP2208080PT/SP	2200x800x800	570x710	45 U	1986x420

MATERIAL: Cabinet in RAL 7035 rolled steel; frame in galvanised steel.

CHARACTERISTICS: 19" swing frame; reversible with possibility of right or left opening. Maximum opening of 180°.

Retainer to keep the frame in the open position.

Axis-hinge system to ensure the stability of the swing frame when fully loaded.

Asymmetrical transparent door.

Door supplied with 4-point lock and frame supplied with pressure insert lock. Possibility of fitting other inserts available as accessories.

Maximum load: 100 kg.

Degree of protection: IP55 / NEMA 1, 12.

Combinable cabinet + swing frame including: Combinable cabinet, 19" swing frame, side panels, cable entry lids and 2 lifting eyebolts.

It is supplied fully assembled.

The unit does not include mounting plate. The plate is supplied assembled if ordered as an accessory.

Plinth not included.

FOR THE FOLLOWING CABINETS: ENL.



Lids for 19" rack



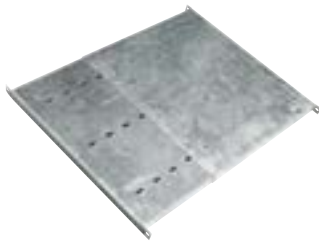
Reference No.	Assembly units
BLANKING COVERS	
TCB1U	1 U
TCB2U	2 U
TCB3U	3 U
TCB4U	4 U
TCB6U	6 U
TCB9U	9 U
TCB10U	10 U
TCB12U	12 U

Reference No.	Assembly units	No. of modules
MODULAR LID		
TMB3U	3 U	24

MATERIAL: RAL 7035 rolled steel.

FOR THE FOLLOWING CABINETS: ENL with fixed or swing frame.

Trays for 19" rack



Reference No.	Description	Assembly units
BNF19-1/2U	Adjustable tray L=400/600 mm	1/2 U
BNF19-1U/200	Fixed tray L=200 mm	1 U
BNF19-2U/250	Fixed tray L=250 mm	2 U
BNF19-2U/400	Fixed tray L=400 mm	2 U

MATERIAL: Galvanised steel.

CHARACTERISTICS: Fixed or depth-adjustable trays.

All the screws required for assembly are included.

FOR THE FOLLOWING CABINETS: ENL with fixed or swing frame.

Ventilated plinths

Corner pieces and front covers



Reference No.	Dimensions	For cabinet
200-MM PLINTHS		HEIGHT
ZCLV2040		400
ZCLV2050		500
ZCLV2060		600
ZCLV2080		800
ZCLV20100		1000
ZCLV20120		1200

MATERIAL: RAL 7016 painted sheet steel.

CHARACTERISTICS: Set consisting of two covers, front and rear, and four corner pieces.

They have grilles to promote the natural ventilation of the cabinet.

To obtain the complete set, you must order the side covers for plinth (see page 113).

For 1600-mm wide cabinets, two 800-mm wide plinths should be ordered.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Plinths

Corner pieces and front covers



Reference No.	Dimensions	For cabinet
100-MM PLINTHS		
	HEIGHT	WIDTH
ZCL1030	100	300
ZCL1040	100	400
ZCL1050	100	500
ZCL1060	100	600
ZCL1080	100	800
ZCL10100	100	1000
ZCL10120	100	1200

200-MM PLINTHS		
	HEIGHT	WIDTH
ZCL2030	200	300
ZCL2040	200	400
ZCL2050	200	500
ZCL2060	200	600
ZCL2080	200	800
ZCL20100	200	1000
ZCL20120	200	1200



200 PLINTHS (100 + 100 COVERS)		
	HEIGHT	WIDTH
ZCL2T1040	100+100	400
ZCL2T1050	100+100	500
ZCL2T1060	100+100	600
ZCL2T1080	100+100	800
ZCL2T10100	100+100	1000
ZCL2T10120	100+100	1200

MATERIAL: RAL 7016 painted sheet steel.

CHARACTERISTICS: Set consisting of two covers, front and rear, and four corner pieces. To obtain the complete set, you must order the side covers for plinth.

For 1600-mm wide cabinets, two 800-mm wide plinths should be ordered.

Available in two heights, 100 mm and 200 mm.

The 200-mm plinth is also supplied as 100 + 100 covers.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Side covers for plinth



Reference No.	Dimensions	For cabinet
100-MM PLINTHS		
	HEIGHT	DEPTH
TLZCL1040	100	400
TLZCL1050	100	500
TLZCL1060	100	600
TLZCL1080	100	800

200-MM PLINTHS		
	HEIGHT	DEPTH
TLZCL2040	200	400
TLZCL2050	200	500
TLZCL2060	200	600
TLZCL2080	200	800

MATERIAL: RAL 7016 painted sheet steel.

CHARACTERISTICS: Available in two heights, 100 mm and 200 mm.

Side covers should be fitted to all cabinets, even in sets of combined cabinets.

Supply: Pack of 2 side covers.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Mounting profiles



Reference No.	For cabinet	Pack
FOR FRAME MOD.		
DEPTH		
PMB400	400	2 pieces
PMB500	500	2 pieces
PMB600	600	2 pieces
PMB800	800	2 pieces

MATERIAL: Galvanised steel with a thickness of 1.5 mm.

CHARACTERISTICS: Profiles for fitting to the modular frame (see page 102).

They have 14x9 rectangular cut-outs and 4.65 mm round cut-outs with a 25 mm cable pass.

Supply: Pack of 2 profiles per reference with the screws needed for assembly.

FOR THE FOLLOWING CABINETS: ENL - FSC.



Reference No.	For cabinet	Pack
OUTSIDE ASSEMBLY		
DEPTH		
PME400	400	2 pieces
PME500	500	2 pieces
WIDTH AND DEPTH		
PME600	600	2 pieces
PME800	800	2 pieces
WIDTH		
PME1000	1000	2 pieces
PME1200	1200	2 pieces
HEIGHT		
PME1650	1650	2 pieces
PME1800	1800	2 pieces
PME2000	2000	2 pieces

MATERIAL: Galvanised steel with a thickness of 1.5 mm.

CHARACTERISTICS: They are fitted on the outer side of the cabinet structure.

They have 14x9 rectangular cut-outs and 4.65 mm round cut-outs with a 25 mm cable pass.

Maximum load: Profiles from 400 to 1200: 210 kg. Profiles from 1600 to 2000: 150 kg.

Supply: Pack of 2 profiles per reference with the screws needed for assembly.

FOR THE FOLLOWING CABINETS: FSC - ENL.



Reference No.	For cabinet	Pack
OUTSIDE ASSEMBLY REINFORCED		
DEPTH		
PMER400	400	2 pieces
PMER500	500	2 pieces
WIDTH AND DEPTH		
PMER600	600	2 pieces
PMER800	800	2 pieces
WIDTH		
PMER1000	1000	2 pieces
PMER1200	1200	2 pieces

MATERIAL: Galvanised steel with a thickness of 2 mm.

CHARACTERISTICS: They are fitted on the outer side of the cabinet structure. They have 4.65 mm round cut-outs with a 12.5 mm cable pass.

Assembly: Pack of 2 profiles per reference with the screws needed for assembly.

FOR THE FOLLOWING CABINETS: FSC - ENL.

ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Mounting profiles



Reference No.	For cabinet	Pack
INTERIOR ASSEMBLY		
DEPTH		
PMI400	400	2 pieces
PMI500	500	2 pieces
WIDTH AND DEPTH		
PMI600	600	2 pieces
PMI800	800	2 pieces
WIDTH		
PMI1000	1000	2 pieces
PMI1200	1200	2 pieces
HEIGHT		
PMI1650	1650	2 pieces
PMI1800	1800	2 pieces
PMI2000	2000	2 pieces

MATERIAL: 1.5-mm thick galvanised steel.

CHARACTERISTICS: They are fitted on the inner side of the cabinet structure.

Maximum load: Profiles from 400 to 1200: 210 kg. Profiles from 1600 to 2000: 150 kg. They have 14x9 rectangular cut-outs and 4.65 mm round cut-outs with a 25 mm cable pass.

Supply: Pack of 2 profiles per reference with the screws needed for assembly.

FOR THE FOLLOWING CABINETS: ENL.

Reference No.	For cabinet	Pack
REINFORCED INTERIOR ASSEMBLY		
DEPTH		
PMIR400	400	2 pieces
PMIR500	500	2 pieces
WIDTH AND DEPTH		
PMIR600	600	2 pieces
PMIR800	800	2 pieces
WIDTH		
PMIR1000	1000	2 pieces
PMIR1200	1200	2 pieces

MATERIAL: Galvanised steel with a thickness of 2 mm.

CHARACTERISTICS: They are fitted on the inner side of the cabinet structure.

They have 4.65 mm round cut-outs with a 12.5 mm cable pass.

Supply: Pack of 2 profiles per reference with the screws needed for assembly.

FOR THE FOLLOWING CABINETS: ENL.



Reference No.	For cabinet	Pack
INTERIOR PARTITION		
DEPTH		
PPI400	400	2 pieces
PPI500	500	2 pieces
PPI600	600	2 pieces
PPI800	800	2 pieces

MATERIAL: Galvanised steel.

CHARACTERISTICS: They can be used to divide the inside of the cabinet. They have 14x9 rectangular cut-outs and 4.65 mm round cut-outs with a 25 mm cable pass.

Supply: Pack of 2 profiles per reference with the screws needed for assembly.

FOR THE FOLLOWING CABINETS: FSC - ENL.

Spare doors



Reference No.	For cabinet	
SINGLE OPAQUE	HEIGHT	WIDTH
P016560	1650	600
P016580	1650	800
P0165100	1650	1000
P018060	1800	600
P018080	1800	800
P0180100	1800	1000
P020060	2000	600
P020080	2000	800
P0200100	2000	1000
P022080	2200	800
SINGLE TRANSPARENT	HEIGHT	WIDTH
PT16560	1650	600
PT16580	1650	800
PT18060	1800	600
PT18080	1800	800
PT20060	2000	600
PT20080	2000	800

MATERIAL: Opaque version. RAL 7035 rolled sheet steel with a thickness of 2 mm.

Transparent version: 4-mm thick tempered glass.

CHARACTERISTICS: Doors with 120° opening, reversible.

They feature a 4-point lock, double-bit insert with retractable handle in RAL 7016 grey.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Reference No.	For cabinet	
DOUBLE OPAQUE SYM.	HEIGHT	WIDTH
PODCS165100	1650	1000
PODCS165120	1650	1200
PODCS180100	1800	1000
PODCS180120	1800	1200
PODCS180160	1800	1600
PODCS200100	2000	1000
PODCS200120	2000	1200
PODCS200160	2000	1600

MATERIAL: RAL 7035 rolled sheet steel with a thickness of 2 mm.

CHARACTERISTICS: Two doors per reference are supplied.

Doors with 120° opening, reversible.

They include double lock; Interior: 2-point ¼ turn. Exterior: 4-point double-bit insert with retractable handle in RAL 7016 grey.

Opaque door 1000 mm width: PO500+PO500.

Opaque door 1200 mm width: PO600+PO600.

Opaque door 1600 mm width: PO800+PO800.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.



ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Spare doors



Reference No.	For cabinet	
DOUBLE TRANSP. ASSYMETRICAL	HEIGHT	WIDTH
PTDCA165100	1650	1000
PTDCA165120	1650	1200
PTDCA180100	1800	1000
PTDCA180120	1800	1200
PTDCA200100	2000	1000
PTDCA200120	2000	1200

MATERIAL: 4-mm thick tempered glass.

CHARACTERISTICS: Two doors per reference are supplied.

Doors with 120° opening, reversible.

They include double lock; Interior: 2-point ¼ turn. Exterior: 4-point double-bit insert with retractable handle in RAL 7016 grey.

Transparent door 1000 mm width: PT600+PO400.

Transparent door 1200 mm width: PT800+PO400.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Reference No.	For cabinet	
INTERIOR	HEIGHT	WIDTH
PIN16560	1650	600
PIN16580	1650	800
PIN18040	1800	400
PIN18060	1800	600
PIN18080	1800	800
PIN20040	2000	400
PIN20060	2000	600
PIN20080	2000	800
PIN200100	2000	1000

MATERIAL: RAL 7035 rolled sheet steel with a thickness of 2 mm.

CHARACTERISTICS: Opaque interior doors.

Doors with 120° opening, reversible.

Features 2 double-bit 5-mm locks.

FOR THE FOLLOWING CABINETS: FSC - ENL.

Assembly profiles for doors



Reference No.	For door	Pack
	WIDTH	
PPAP600	600	1 piece
PPAP800	800	1 piece
PPAP1000	1000	1 piece

MATERIAL: Galvanised steel.

CHARACTERISTICS: Profile for fitting horizontally to the door profiles.

Assembly screws not included.

SUPPLY: 1-piece pack.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Swing tray



Reference No.	Description
48776	Swing tray for PC

MATERIAL: Galvanised steel.

CHARACTERISTICS: Tray that is fixed to the cabinet door in order to install equipment. For cabinets with a width of 800 mm and 1000 mm, 2 PPAP800 or PPAP1000 profiles must be ordered (see page 117).

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Fixed trays



Reference No.	Dimensions	For cabinets	
	WIDTH X DEPTH	WIDTH	DEPTH
BNF6040	600x320	600	400
BNF6060	600x520	600	600
BNF6080	600x720	600	800
BNF8040	800x320	800	400
BNF8060	800x520	800	600
BNF8080	800x720	800	800

MATERIAL: Galvanised steel.

CHARACTERISTICS: A set of PME profiles must be ordered to install them (see page 114).

FOR THE FOLLOWING CABINETS: FSC - ENL.

Interlocking and actuation systems for doors



Reference No.	Description
ACTUATION	
48515	Main cabinet interlocking and actuation lock

Reference No.	For cabinet
INTERLOCKING KIT	
	WIDTH
48516	600
48517	800
48518	1000
48519	1200

MATERIAL: Mechanism in galvanised steel.

Actuation handle: Black ABS.

CHARACTERISTICS: It has a security function which forces the system into the position in which the secondary enclosures are locked in order to lock the main door.

It is activated by manual operation, preventing the opening of the secondary enclosures connected to one another by runner rods.

Two references must be ordered to obtain the interlocking and actuation system; actuation (48515) and interlock, depending on the width of the cabinet.

FOR THE FOLLOWING CABINETS: ENL.

ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Lock with handle



Reference No.	Description
---------------	-------------

48522	1/4 turn lock + RAL 7016 handle (without rods)
48523	Lock for padlock + RAL 7016 handle (without rods)

CHARACTERISTICS: Reference 48522: 4-point lock, double-bit insert with retractable handle in RAL7016 grey. 5-mm double-bit key in zamak not included (Ref. 48460).
Reference 48523: Padlock not included.

These references do not include the inside lock plus rods, which must be ordered separately, depending on the height of the cabinet.

Inserts for lock with handle



Ref. 48463

Ref. 48464

Ref. 48465

Reference No.	Description
---------------	-------------

48541	Triangular insert lock + triangular key 6.5
48463	Triangular insert lock + triangular key 8
48464	Keyless pressure insert lock
48465	Security insert lock with key code 333

Key



Reference No.	Description
---------------	-------------

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

Packs for doors



Reference No.	Description
---------------	-------------

INTERNAL LOCK

48483	Internal lock, double door + rod 1650
48484	Internal lock, double door + rod 1800
48485	Internal lock, double door + rod 2000

MATERIAL: Handle made of polyamide with fibreglass.

CHARACTERISTICS: 2-point 1/4 turn interior lock. Rods included depending on the height of the cabinet.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Reference No.	Description
---------------	-------------

HINGES AND RETAINERS

48461	Standard 120° hinge (4-piece pack)
48482	Lock retainer (4-piece pack)
48525	180° hinge (4-piece pack)

MATERIAL: Zamak.

SUPPLY: 4-piece pack.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Reference No.	Description
---------------	-------------

RODS FOR LOCKS

48560	Single door rod 1650/1800 mm height
48561	Single door rod 2000/2200 mm height
48562	External double door rod 1650 mm height
48563	External double door rod 1800 mm height
48564	External double door rod 2000 mm height
48565	Rod end (4-piece pack)

MATERIAL: Galvanised steel.

CHARACTERISTICS: They must be ordered for the installation of locks with handle.

FOR THE FOLLOWING CABINETS: FSC-ENL-BIG.



Ref. 48461

Ref. 48482

Ref. 48525



Ref. 48565

Retainer



Reference No.	Description
48466	Door retainer L=230

MATERIAL: Galvanised steel.

CHARACTERISTICS: It stops the door when it reaches the end of its path.

FOR THE FOLLOWING CABINETS: FSC - ENL.

Document pocket



Ref. 49386

Ref. 49387

Reference No.	Description	Dimensions
		HEIGHTXWIDTHXDEPTH
49386	Metal document pocket 600	280x430x90
49387	Metal document pocket 800	280x655x90

MATERIAL: RAL 7035 painted sheet steel.

CHARACTERISTICS: Fitting screws not included.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Ventilated roof



Reference No.	For cabinets	
	WIDTH	DEPTH
TVN6040	600	400
TVN6050	600	500
TVN6060	600	600
TVN6080	600	800
TVN8040	800	400
TVN8050	800	500
TVN8060	800	600
TVN8080	800	800
TVN10040	1000	400
TVN10050	1000	500
TVN10060	1000	600
TVN10080	1000	800
TVN12040	1200	400
TVN12050	1200	500
TVN12060	1200	600
TVN12080	1200	800
TVN16040	1600	400
TVN16050	1600	500

MATERIAL: RAL 7035 painted sheet steel.

CHARACTERISTICS: Perforated roof for natural ventilation.

It is supplied with all the elements required for installation.

FOR THE FOLLOWING CABINETS: ENL.

Roof-elevating items



Reference No.	Description
48152	Roof-elevating items (4-piece pack)

MATERIAL: Galvanised steel.

CHARACTERISTICS: They allow the roof to be raised, providing natural ventilation.

They are screwed onto the structure at the roof fixing point.

20 mm elevation.

Supply: 4-piece pack.

FOR THE FOLLOWING CABINETS: ENL.

ARGENTA PLUS

Accessories for IP55-IP65 steel floor-standing cabinets

Paint



Reference No.	Description
---------------	-------------

48292	RAL 7035 textured grey paint
-------	------------------------------

48294	RAL 7016 textured grey anthracite paint
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CHARACTERISTICS: RAL 7035 paint for cabinets; RAL 7016 paint for plinths.

SUPPLY: 400 ml tin.

Module cover



Reference No.	Description
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77590	Module lid RAL 7035 grey (6 modules)
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48019	Module cover RAL 7035 grey (1 m)
-------	----------------------------------

MATERIAL: 6-module cover in PS; 1-m cover in PVC.

CHARACTERISTICS: Ref. 48019 recommended for metal covers.

End of stroke switch



Reference No.	Description
---------------	-------------

48462	End of stroke switch
-------	----------------------

CHARACTERISTICS: Contact: NC. Extendible from 122.5 to 165.5.

It is not compatible with a chassis or inner door assembly.

FOR THE FOLLOWING CABINETS: FSC - ENL.

Transport casters



Reference No.	Description
---------------	-------------

48290	150 kg transport casters (4-caster pack)
-------	--

MATERIAL: Body: Polished aluminium alloy; Caster: Black polyamide; Threaded bolt: Yellow zinc chromate steel.

CHARACTERISTICS: Maximum load 150 kg per caster.

Height: Caster=70 mm; Threaded bolt=M12x22.

Supply: 4-wheel pack: 2 casters with brake + 2 casters without brake.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Levelling feet



Reference No.	Description
---------------	-------------

48300	270 kg levelling feet. (4-foot pack)
-------	--------------------------------------

MATERIAL: Body: Black ABS; Threaded bolt: Clear zinc chromate steel.

CHARACTERISTICS: Maximum load 270 kg per foot.

Height: Foot=25 mm; Threaded bolt=M12x26.

Supply: 4-foot pack.

FOR THE FOLLOWING CABINETS: ENL - FSC - BIG.

IP
55

CE



IP55 Desks

The BALTIC desks series has an elegant and functional design, conceived to provide maximum versatility and the best possible access for the operator. Desks manufactured with high-quality cold-rolled steel with IP55 protection and IK10 maximum resistance to impact.

This series is complemented by an extensive range of accessories, including plates, profiles, plinths, etc. that deliver global solutions.

The versatility of our production processes allows us to offer customised solutions for each installation.



BALTIC Technical Specifications

- Degree of protection: IP55.
- Resistance to impact: IK10.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC.
- Maximum temperature for sealing gasket: 80 °C.
- Maximum temperature for polyester paint: 125 °C.

BALTIC Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1 (as applicable).



Product series

Standard

- Mixed version:

IP55 desks with control and synoptic panels.
Height: 1415 mm.
Width: 800 - 1000 - 1200 - 1600 mm.
Depth: 500/950 mm.

- Compact versions:

IP55 desks with control panel.
Height: 965 mm.
Width: 600 - 800 - 1000 - 1200 mm.
Depth: 400/520 mm.

IP55 desks with synoptic panel.
Height: 700 mm.
Width: 800 - 1000 - 1200 - 1600 mm.
Depth: 950 mm.

To order

- Special desks, dimensions, cut-outs, colours, etc.

Supply

- Supplied on pallets, with honeycomb cardboard corner protectors and shrink-wrap film.
- The plate can be supplied in separate packaging on request. Bag of assembly accessories included.

Intended for the industrial sector for machinery control and automation applications

Material

- Cold-rolled steel EN10130+A1.
- Injected polyurethane sealing gasket.

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 µ, with UV protection.
- Corrosion resistance according to the UNE-EN62208 standard. C4-M classification according to the ASIM B-117:97, ISO 9227:07 and ISO 12944-6-98 standards.
- Specific coating treatments can be applied to order, to increase the degree of corrosion resistance to reach the C5-H classification.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 7035 polyester paint, thickness between 80-120 microns. A1.02 paint system according to the UNE-EN ISO 12944-5 standard.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



Body

Compact version: IP55 Control desks

- Body manufactured with side panels and welded profiles, making up a single part.
- Plate thickness 1.5 mm.
- Features a fold to guarantee IP55 protection.
- The desk can be lifted by means of profiles placed on the inside, fitted with M12 nuts to which the lifting eyebolts are screwed on (Lifting pack 48475 supplied as accessory).

Mixed version: IP55 control-synoptic desks

- Body manufactured with side panels and welded profiles, consisting of two parts, the top and bottom body (control-synoptic).
- Body connection system using M6 bolts to form a complete and compact body.
- The bottom body has a rubber gasket that guarantees IP55 protection between the control and synoptic connection.
- Plate thickness 1.5 mm.
- The bottom body has a fold to prevent water from entering the cabinet, to guarantee IP55 protection.
- The desk can be lifted by means of profiles placed on the inside, fitted with M12 nuts to which the lifting eyebolts are screwed on (Lifting pack 48475 supplied as accessory).

Cable entry

- Exchangeable and depth-adjustable cable entry covers.
- Made from galvanised steel with a thickness of 1.5 mm.
- Three 135-mm covers for desks with a width of 600, 800 and 1000 mm.
- 2x3 135 mm covers for desks with a width of 1200 and 1600 mm with a detachable central reinforcement.

Mounting plate

- Made from galvanised steel with a thickness of 2 mm.
- Vertical mounting plates with heights of 600 and 900 mm, depth-adjustable.
- Horizontal mounting plates screwed to the body profiles.
- The plates can be fitted vertically and horizontally at the same time.
- Possibility of partial plates.
- Mounting plates supplied as accessory.
- Assembly accessory bag supplied with the plate.

Door

Control and synoptic doors

- 1.5-mm-thick, 90° opening opaque doors.
- Fitted with 2 pneumatic retainers to facilitate opening and prevent the door from falling suddenly. (See maximum acceptable load in the reference table, page 126).
- Welded reinforcement profiles with cut-out holes with a separation of 25 mm for fitting ducts, DIN rails or accessories.
- Sealing gasket to guarantee IP55 protection.
- The door surface is completely free for total functionality.

Vertical doors

- 1.5-mm-thick opaque doors with 120° reversible opening.
- Concealed and removal hinges with quick-assembly and disassembly pins.
- Sealing gasket to guarantee IP55 protection.
- Front and rear doors for greater accessibility.
- Single door for desks with a width of 600, 800 and 1000 mm and double door for desks with a width of 1200 and 1600 mm.
- Welded reinforcement profiles with cut-out holes with a separation of 25 mm for fitting ducts, DIN rails or accessories.

Locks

- 5-mm double-bit hook lock.
- 2 locks per vertical door and control-synoptic door.
- For cabinets with a width of 1600 mm, the control-synoptic doors have 3 locks.
- For cabinets with a width of 1200 and 1600 mm, the vertical double doors have 3-point locks.
- The number of locks assigned to each type of cabinet guarantees the cabinet's IP55 protection.
- Other types of locks supplied as accessories.





IP55 desks with control and synoptic panels

Reference No.	Dimensions		Doors				Weight	Power dissipation according to temperature increase °C P(W)*					Max. acc. load	
			Synoptic		Vertical			20	25	30	35	40		
	HEIGHT X WIDTH	DEPTH	DEPTH CONTROL	DEPTH SYNOPTIC	NO. OF DOORS VERT. HORIZ.	FRONT DOORS	REAR DOORS	KG						DOOR
PSC800	1415x800	500	950	950	1 1	1 single door	1 single door	78.00	376.0	470.0	564.0	658.0	752.0	13.00 kg
PSC1000	1415x1000	500	950	950	1 1	1 single door	1 single door	99.00	435.0	543.7	652.5	761.2	870.0	11.50 kg
PSC1200	1415x1200	500	950	950	1 1	1 double door	2 double doors	112.00	494.0	617.5	741.0	864.5	988.0	11.00 kg
PSC1600	1415x1600	500	950	950	1 1	1 double door	2 double doors	133.00	611.9	764.9	917.9	1070.9	1223.9	7.50 kg

IP55 desks with control panels

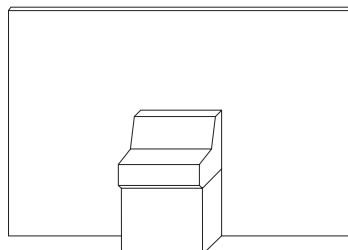
Reference No.	Dimensions			Doors		Weight	Power dissipation according to temperature increase °C P(W)*					Max. acc. load	
				Synoptic			Vertical		20	25	30		35
	HEIGHT X WIDTH	DEPTH 1	DEPTH 2	NO. OF DOORS HORIZ.	FRONT DOORS	REAR DOORS	KG						DOOR
PC600	965x600	400	520	1	1 single door	1 single door	38.00	202.6	253.2	303.8	354.5	405.1	14.00 kg
PC800	965x800	400	520	1	1 single door	1 single door	47.00	244.6	305.7	366.9	428.0	489.2	13.00 kg
PC1000	965x1000	400	520	1	1 double door	1 double door	56.00	286.6	358.3	430.0	501.6	573.3	11.50 kg
PC1200	965x1200	400	520	1	1 double door	1 double door	66.00	328.7	410.9	493.0	575.2	657.4	11.00 kg

IP55 desks with synoptic panels

Reference No.	Dimensions		Synoptic doors			Weight	Power dissipation according to temperature increase °C P(W)*					
			SYNOPTIC DEPTH	VERTICAL	HORIZONTAL		20	25	30	35	40	
	HEIGHT X WIDTH					KG						
PS800	700x800	950	1	1	52.00	376.0	470.0	564.0	658.0	752.0		
PS1000	700x1000	950	1	1	66.00	435.0	543.7	652.5	761.2	870.0		
PS1200	700x1200	950	1	1	75.00	494.0	617.5	741.0	864.5	988.0		
PS1600	700x1600	950	1	1	89.00	611.9	764.9	917.9	1070.9	1223.9		

RAL 7035 rolled steel.
Supplied without mounting plates or plinths.

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".



Conceived to deliver the utmost versatility and best access by the operator





IP55 control and synoptic



IP55 synoptic



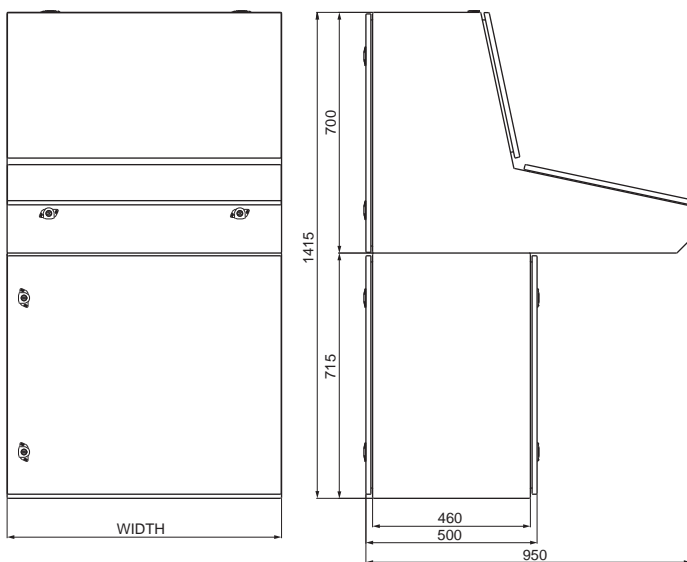
IP55 control



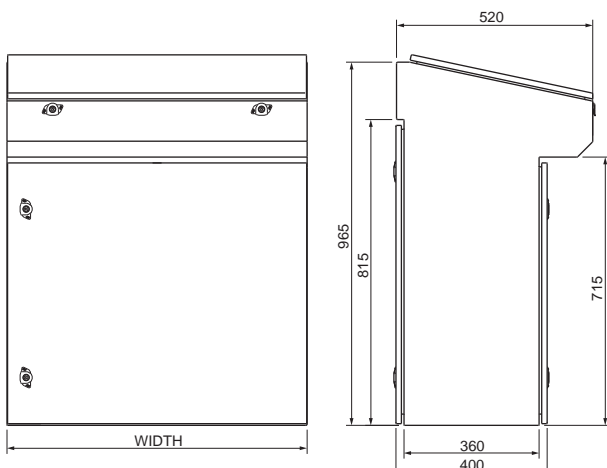
Special

Dimensions

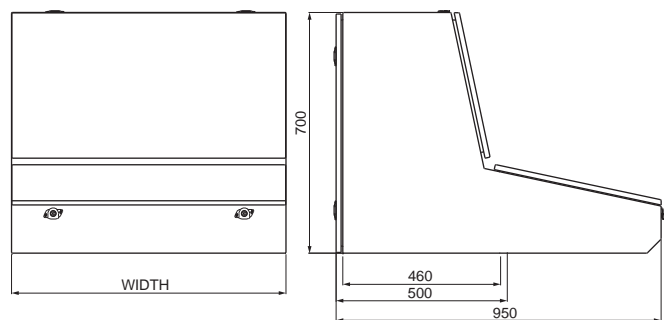
IP55 with control and synoptic panels



IP55 with control panel



IP55 with synoptic panel



Mounting plates



Reference No.	Dimensions	For desk	Position	
VERTICAL HEIGHT 600 MM	HEIGHT X WIDTH	WIDTH	PSC	PC
PLBA600	642x521	600	B-C-E	G
PLBA800	642x721	800	B-C-E	G
PLBA1000	642x921	1000	B-C-E	G
PLBA1200	642x1121	1200	B-C-E	G
PLBA1600	642x1521	1600	B-C-E	G

Reference No.	Dimensions	For desk	Position	
VERTICAL HEIGHT 900 MM	HEIGHT X WIDTH	WIDTH	PSC	PC
PLBI600	900x521	600	-	H
PLBI800	900x721	800	-	H
PLBI1000	900x921	1000	-	H
PLBI1200	900x1121	1200	-	H
PLBI1600	900x1521	1600	-	H

Reference No.	Dimensions	For desk	Position	
HORIZONTAL HEIGHT 400 MM	HEIGHT X WIDTH	WIDTH	PSC	PC
PLBE600	394x521	600	D	F
PLBE800	394x721	800	D	F
PLBE1000	394x921	1000	D	F
PLBE1200	394x1121	1200	D	F
PLBE1600	394x1521	1600	D	F

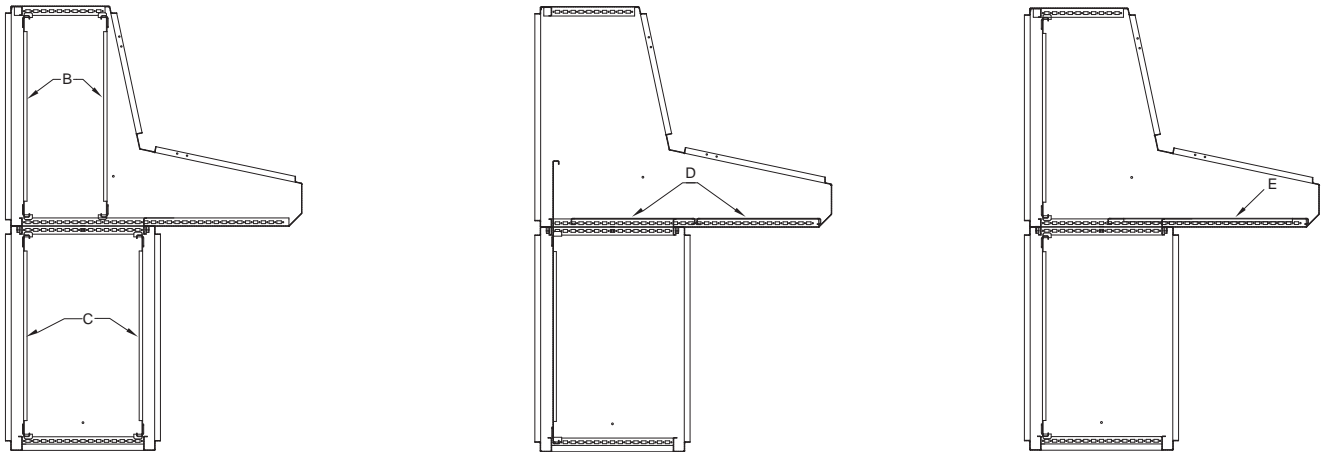
MATERIAL: Plain mounting plate in 2-mm thick galvanised steel.

CHARACTERISTICS: Bag of assembly accessories included.

FOR THE FOLLOWING CABINETS: PSC - PC - PS.



Desks with control and synoptic panel



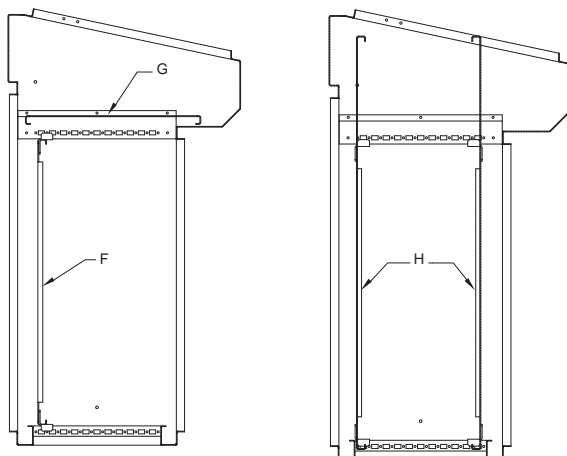
Possibility of plate mounting for desks with control and synoptic panels

- At the top of part B.
- At the bottom of part C.
- On the control module D.

These desks can be combined in several ways with the mounting plates:

- One plate at the bottom and another at the top.
- Two partial plates, back-to-back, at the bottom.
- One mounting plate on the base of the control module.

Desks with control panel



Possibility of plate mounting on desks with control panel

- Desk with horizontal panel on the front.
- The depth of the mounting plates can be adjusted in increments of 12.5 mm as standard.

Plinths

Corner pieces and front covers



Reference No.	Dimensions	For desk
100-MM PLINTHS		
	HEIGHT	WIDTH
ZCL1060	100	600
ZCL1080	100	800 / 1600
ZCL10100	100	1000
ZCL10120	100	1200
200-MM PLINTHS		
	HEIGHT	WIDTH
ZCL2060	200	600
ZCL2080	200	800 / 1600
ZCL20100	200	1000
ZCL20120	200	1200
200-MM PLINTHS 100 + 100 COVERS		
	HEIGHT	WIDTH
ZCL2T1060	100+100	600
ZCL2T1080	100+100	800 / 1600
ZCL2T10100	100+100	1000
ZCL2T10120	100+100	1200

MATERIAL: RAL 7016 painted sheet steel.

CHARACTERISTICS: Set consisting of two covers, front and rear, and four corner pieces. Available in two heights, 100 mm and 200 mm.

The 200-mm plinth is also supplied as 100 + 100 covers.

To obtain the complete set, you must order the corner pieces and the front covers plus the side covers.

FOR THE FOLLOWING DESKS: PSC - PC.

Side covers



Reference No.	Dimensions	For desk
100-MM PLINTHS		
	HEIGHT	DEPTH
TLZCL1040	100	400
TLZCL1050	100	500
200-MM PLINTHS		
	HEIGHT	DEPTH
TLZCL2040	200	400
TLZCL2050	200	500

MATERIAL: RAL 7016 painted sheet steel.

CHARACTERISTICS: Available in two heights, 100 mm and 200 mm.

To obtain the complete set, you must order the side covers plus corner pieces and front covers.

Supply: 2-side cover pack.

FOR THE FOLLOWING DESKS: PSC - PC.

Lifting eyebolts



Reference No.	Description
48475	M12 Lifting eyebolts (2-piece pack)

MATERIAL: Galvanised steel.
CHARACTERISTICS: They are fitted on the top of the desk.
 Supply: 2-piece pack.
FOR THE FOLLOWING CABINETS: PSC - PC.

Gas spring



Reference No.	Description
46251	Gas-2 gas spring

CHARACTERISTICS: It keeps the control panel module in the open position. Each bag contains a height adjuster, a mounting bracket and 3x12-mm head-insulated screws. Pull-out rating 15 kg.

Profiles



Reference No.	Dimensions	Pack
DOUBLE VERTICAL		
PMV700	700	2 pieces

Reference No.	Dimensions	Pack
HORIZONTAL		
PMH400	400	2 pieces
PMH500	500	2 pieces

Reference No.	Dimensions	Pack
TRANSVERSAL		
PMT600	600	2 pieces
PMT800	800	2 pieces
PMT1000	1000	2 pieces
PMT1200	1200	2 pieces
PMT1600	1600	2 pieces

Reference No.	Assembly units	Pack
FOR 19" RACK		
PMR19/15U	15U	2 pieces

MATERIAL: Galvanised steel.

CHARACTERISTICS: Profiles for installing trays and accessories inside the desk.

Maximum load: Profiles from 700 to 1200: 210 kg. Profiles of 1600: 150 kg.

Supply: Pack of 2 profiles per reference with the screws needed for assembly.

FOR THE FOLLOWING DESKS: PSC - PC.

Hook lock



Reference No.	Description
46250	5-mm double-bit hook lock

CHARACTERISTICS: Housing manufactured in RAL 7037 polyamide and latch in steel.

5-mm double-bit key not included. (Ref. 48449).

Key



Reference No.	Description
48449	5-mm double-bit key in polyamide

IP
40

IP
65

CE



IP40-IP65 Steel distribution cabinets

The ATLANTIC series is a set of steel distribution enclosures for the creation of low-voltage electrical distribution panels. This product line with an innovative aesthetic appearance surpasses the mandatory quality and safety concepts in an increasingly more demanding market.

It includes a broad catalogue of models that make it possible to create customised electrical panels: surface-mounted, flush-fit, watertight, with opaque or transparent doors, with extensive modular capacity, connection structures, etc. All manufactured with the highest-quality materials, featuring a quick and straightforward assembly system which delivers total functionality and the integration of any electrical switchgear model.





ATLANTIC Technical Specifications

- Degree of protection:

Combinable surface cabinets without door: IP30.
Combinable surface cabinets with door: IP40.
Compact surface cabinets: IP40.
Compact surface cabinets: IP65.
Flush-fit cabinets: IP40.

- Resistance to impact:

Combinable surface cabinets without door: IK07.
Surface and flush-fit cabinets with transparent door: IK09.
Surface and flush-fit cabinets with opaque door: IK10.

- Ambient temperature range: -25 °C / +40 °C.

- Maximum temperature for sealing gasket: 80 °C.

- Maximum temperature for epoxy-polyester paint: 125 °C.

ATLANTIC Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1
(as applicable).

ATLANTIC Electrical properties

- **Rated operating voltage (Ue):** 1000 V AC.
- **Rated insulation voltage (Ui):** 1000 V AC.
- **Rated impulse withstand voltage (Uimp):** 8 kV (depending on type of accessory).
- **Current (Ie):** 630A (surface) / 250A (flush-fit) (depending on type of accessory).
- **Rated short-time withstand current (Icw):** 33 kA 1s.
- **Rated peak withstand current (Ipk):** 69 kA.



Product series

Standard

- IP30 combinable surface cabinets without door.
- IP40 combinable surface cabinets with opaque or transparent door.
- IP40 compact surface cabinets with opaque or transparent door.
- IP65 compact surface cabinets with opaque or transparent door.
- IP40 flush-fit cabinets with opaque or transparent door.
- Modular capacity for the whole range of products:
48 – 72 – 96 – 120 – 144 – 168 – 192.

Supply

IP30-IP40 combinable surface cabinets

They are supplied disassembled in a single packaging that contains body, sides, top and bottom cover, cable entry cover and accessory bag.

- Accessory bag: Insulating caps to permit reversible doors, wall-mounting supports, reinforcement buttons, mass continuity clamps, rulers for fitting rails and assembly instructions.

The doors are supplied separately if requested, with both locks assembled and with accessory bag.

- Door accessory bag: Hinges and locks, mounting screws, lock pins and key.

IP40-IP65 compact surface cabinets and IP40 flush-fit cabinets

They are supplied assembled in individual packaging that contains the cabinet with the door and the locks assembled, and an accessory bag.

- Accessory bag: Insulating caps to permit reversible doors, wall-mounting supports (for surface cabinets), rulers for fitting rails, key and assembly instructions.

Lids and DIN rails

- They can be ordered as a Kit: Lids + DIN rails.
- Separately: modular or blind lids, as well as DIN rails plus assembly supports for surface cabinets (48013) or for flush-fit cabinets (48014).

Intended for creating low-voltage electrical distribution panels

Material

- Body, sides, top and bottom covers for surface cabinets and frames for flush-fit cabinets manufactured in cold-rolled steel EN10130+A1 with a thickness of 1.2 mm.
- Body for flush-fit cabinets manufactured in galvanised steel with a thickness of 1.2 mm.
- Opaque doors manufactured in cold-rolled steel EN10130+A1; 1-mm thick surface cabinets and 1.2-mm thick flush-fit cabinets and transparent doors manufactured in tinted 4-mm tempered safety glass.

Finish

- Coated with hardened RAL 9003 epoxy-polyester paint, embossed 80-120 µ.
- Corrosion resistance according to the UNE-EN62208 standard. C4-M classification according to the ASIM B-117:97, ISO 9227:07 and ISO 12944-6-98 standards.
- Specific coating treatments can be applied to order, to increase the degree of corrosion resistance to reach the C5-H classification.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying and painting:** Drying with hot air (in tunnel at 100 °C) and coated with hardened RAL 9003 epoxy-polyester paint, thickness between 80-120 microns. A1.02 paint system according to the UNE-EN ISO 12944-5 standard.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.

IP30-IP40 COMBINABLE SURFACE CABINETS



Body

- Totally assemblable enclosure that is supplied disassembled to give the installer greater versatility and facilitate assembly and wiring.
- Flat component with two profiles to which all the unit's equipment is secured. The profiles have two 25-mm rectangular cut-out lines to insert caged nuts to secure accessories, and a third line with 3 mm-diameter circular holes for screwing them directly to the wall.
- There are four riveted nuts in the corners at the back facing outwards for fixing the wall-mounting supports.

Sides

- The sides are of the clip-on assembly type.
- The sides are reversible, and the contact area between the side and back has a fold to guarantee water protection.

Door

- Possibility of opaque or transparent door. Opaque doors manufactured in 1-mm thick sheet and transparent doors with 4-mm thick tempered and tinted safety glass with IDE silk-screen printed on them.
- Four C-shaped common elements are supplied for the purpose of installation, for securing the hinges and for locking the enclosure. This makes them reversible.

Top and bottom covers

- The top covers are of the clip-on assembly type.
- They have an opening of 440x106 mm to facilitate cable trunking or installation trays. The width of this entry is the same as the rail's, thus facilitating cable distribution inside the enclosure. This gap is covered by the cable entry cover.
- The cable entry cover comes pre-marked with the dimensions of the most commonly used trays and trunking in order to make it easier to cut out.
- This cover is fitted by means of a clipping system and is reinforced by two self-tapping screws.

Mass continuity and reinforcement button

- Four clamps are supplied to secure the body to the top cover and the sides in order to guarantee mass continuity and to protect the enclosure from indirect contacts.
- Four plastic buttons secured by pressure are supplied, thus affording the cabinet greater stability and making it impossible to disassemble without using a tool, as provided for by the applicable regulations.

Locks

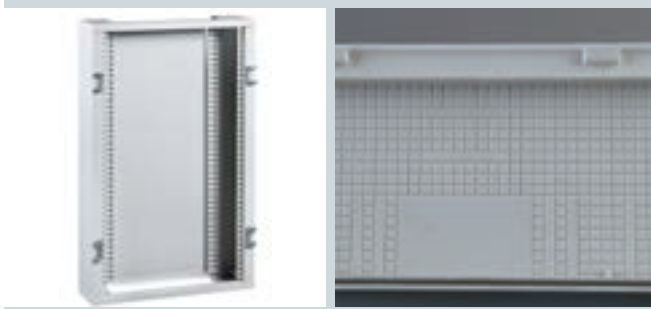
- Standard 5-mm ¼ turn double-bit lock. All references have two locks.
- Other types of locks are supplied as accessories.

Cabinets can be combined, thus achieving large-sized structures and modular capacity





IP40 COMPACT SURFACE CABINETS



Body

- The enclosure body is U-shaped and is made of a single piece consisting of the bottom and the sides.
- The body has two profiles to which all the unit's equipment is secured. The profiles have two 25-mm rectangular cut-out lines to insert caged nuts to secure accessories, and a third line with 3 mm-diameter circular holes for screwing them directly to the wall.
- There are four riveted nuts in the corners at the back facing outwards for fixing the wall-mounting supports.

Top and bottom covers

- The top and bottom covers are of the clip-on assembly type.
- They have an opening of 440x106 mm to facilitate cable trunking or installation trays. The width of this entry is the same as the rail's, thus facilitating cable distribution inside the enclosure. This gap is covered by the cable entry cover.
- The cable entry cover comes pre-marked with the dimensions of the most commonly used trays and trunking in order to make it easier to cut out.
- This cover is fitted by means of a clipping system and is reinforced by two self-tapping screws.

IP65 COMPACT SURFACE CABINETS



Body

- The enclosure body consists of a single piece, with two profiles to which all the unit's equipment is secured.
- The profiles have two 25-mm rectangular cut-out lines to insert caged nuts to secure accessories, and a third line with 3 mm-diameter circular holes for screwing them directly to the wall.
- There are four riveted nuts in the corners facing outwards for fixing the wall-mounting supports.
- The 500x80 mm cable entries are located at the top and bottom.
- The cable entries are covered by means of metal lids secured to the body with machined screws. The cover has a sealing gasket to guarantee IP65 protection.
- A gland is recommended for trunking and cable entry to avoid losing the enclosure's IP protection degree.



IP40 - IP65 compact cabinet door and locks

Door

- Possibility of opaque or transparent door.
- Opaque doors made from sheet with a thickness of 1 mm.
- Transparent doors manufactured with 4-mm thick tempered and tinted safety glass with IDE silk-screen printed on them.
- Doors for IP65 cabinets with sealing gasket to guarantee the cabinet's degree of protection.
- Four C-shaped common elements are supplied for securing the hinges and for locking the enclosure. This makes all the doors reversible.

Locks

- Standard 5-mm ¼ turn double-bit lock. All references have two locks.
- Other types of locks are supplied as accessories.

IP40 FLUSH-FIT CABINETS



Body

- Manufactured in galvanised steel, totally protected from any rust that may be caused due to wall humidity. It consists of a single folded part, with easy-to-break knock-out entries of 100x50 mm for cable entry and trunking.
- It also has two wings for wall-mounting which provide better attachment in flush-fitting.

Flush-fit enclosures can be combined, thus achieving large-sized structures and modular capacity

Frame

- The cabinet's frame acts as a rack, and all the electrical switchgear can be fitted on the workbench separate from the flush-fit base.
- It has two 25-mm rectangular cut-out strips to which all the equipment is assembled by means of caged nuts and suitable screws.
- The cabinet sides have large spaces for wiring, where cable trunks with a width of 40 mm or 60 mm can be fitted. If cables need to be run below the frame there is a space of 30 mm between the frame and the bottom.
- The frame with all the switchgear fitted is assembled on a flush-fit base. The cut-outs are all oval-shaped, thus allowing any deviations in the flush-fit to be corrected.



Door

- Possibility of opaque or transparent door.
- Opaque doors made from sheet with a thickness of 1.2 mm.
- Transparent doors manufactured with 4-mm thick tempered and tinted safety glass with IDE silk-screen printed on them.
- The doors are totally flat to enhance the aesthetic appeal of the flush-fit.
- They are secured to the frame by means of inside hinges, which means that all the doors are reversible.

Locks

- Standard 5-mm ¼ turn double-bit lock. All references have two locks.
- Other types of locks are supplied as accessories.



Lid + DIN rail kit (for surface and flush-fit cabinets)

DIN rail for surface cabinets

- Each rail has a standard capacity of 24 modules.
- Omega rail clip-on mounting system.
- Depth-adjustable supports that permit an omega rail height variation in the range of 45 mm. The support has three pre-marked positions corresponding to the three standard heights for modular electrical switchgear.
- Height can be adjusted either prior to delivery or once the sub-assembly has been fitted in the enclosure.
- In order to fit the rails in the right position in the body profiles, a ruler is supplied where the positions of the holes to be used is pre-marked, depending on the number of rails to be installed.

DIN rail for flush-fit cabinets

- Each rail has a standard capacity of 24 modules.
- Rail attached directly to the frame by means of M6 caged nuts and M6x10 screws.
- Fixed distance between DIN rails and protection lids.
- In order to fit the rails in the right position, in the frame profiles, a ruler is supplied where the positions of the holes to be used are pre-marked, depending on the number of rails to be installed.

Distance between rail and lid: 50.5 mm.

Distance between lid and door

- Surface cabinets: 45.5 mm.
- Flush-fit cabinets: 33.5 mm.

Modular lids

Possibility of plastic and metal lids.

Plastic lids:

- Hinged, they are closed by means of a clipping system; a tool is needed to open the lid, as provided for by the applicable regulations.

Manufactured in ABS, RAL 9003.

- Modular: Height of 150 mm and 200 mm with capacity for 24 modules.
- Blind: Height of 50, 150 and 200 mm.

Metal lids:

- Fixed, bolted to the cabinet's structure by means of M6 caged nuts and M6x10 anti-twist screws.
- Made of RAL 9003 cold-rolled steel.
 - Modular: Height of 150 and 200 mm with capacity for 24 modules; height of 300 and 400 mm with capacity for 48 (2x24) modules.
 - Blind: Height of 50, 150, 200, 300 and 400 mm.



PLASTIC LID KIT



METAL LID KIT

Calculation of modules according to lids

Initial number of modules	Inner space	200 mm lids	150 mm lids	50 mm blind lids	Number of modules obtained
48	450	2	-	1	48
		-	3	-	72
72	650	3	-	1	72
		-	4	1	96
96	850	4	-	1	96
		-	5	2	120
120	1,050	5	-	1	120
		2	4	1	144
144	1,250	-	7	-	168
		6	-	1	144
144	1,250	3	4	1	168
		4	3	-	168
		-	8	1	192
		-	-	-	-

The cabinets can be completed with 150-mm or 200-mm lids depending on the minimum number of models you wish to obtain and the combinations to be made. Lids for ICP kit: 300 mm (see page 149).

Moulded-case circuit breaker (MCCB) mounting system

- Mounting system comprising a cover, plate and four adjustment supports.
- The layout of the MCCB (up to 400A) may be horizontal and/or vertical.
- Two cover + plate references must be ordered for proper installation. The plate includes the four adjustable supports and all the screws needed for installation.

Moulded-case circuit breaker cover (MCCB)

Reference No.	Lid height (mm)	For switch
TMCB250	250	MCCB
TMCB300	300	MCCB
TMCB400	400	MCCB

Plate+moulded-case circuit breaker (MCCB) supports

Reference No.	Dim. HEIGHT X WIDTH
PMCB250	215x385
PMCB300	265x385
PMCB350	315x385

Possibility of plastic and metal lids



SURFACE

FLUSH-FIT



PLASTIC

METAL

DIN rail kits

Ref.	Description
48013	DIN rail 24 modules + SURFACE assembly supports
48014	DIN rail 24 modules + FLUSH-FIT assembly supports

Hinged plastic lids

Reference No.		Lid height (mm)	Modules
BLIND	MODULAR		
TC50	-	50	-
TC150	TM150	150	24
TC200	TM200	200	24

Fixed metal lids

Reference No.		Lid height (mm)	Modules
BLIND	MODULAR		
TCM50F	-	50	-
TCM150F	TMM150F	150	24
TCM200F	TMM200F	200	24
TCM300F	TMM300F	300	2x24
TCM400F	TMM400F	400	2x24



IP30-IP40 combinable surface cabinets

Reference No.	Door Reference No.	Dim. cabinet (AXBXC)	Usable height space D	Cable entry (FXG)	Modular capacity	Weight		Maximum acceptable load KG	Power dissipation according to temperature increase °C P(W)*				
						CAB.	DOOR		20	25	30	35	40
40ENL48-72	P040SUP48-72	510x670x212	450	440x106	48-72	13.03	6.28	20	95.90	119.88	143.86	167.83	191.81
	4.87												
40ENL72-96	P040SUP72-96	710x670x212	650	440x106	72-96	17.52	7.90	30	124.93	156.17	187.40	218.64	249.87
	8.46												
40ENL96-120	P040SUP96-120	910x670x212	850	440x106	96-120	21.59	9.69	40	153.97	192.46	230.95	269.44	307.93
	9.77												
40ENL120-168	P040SUP120-168	1110x670x212	1050	440x106	120-168	25.44	11.42	50	183.00	228.75	274.50	320.25	365.99
	11.72												
40ENL144-192	P040SUP144-192	1310x670x212	1250	440x106	144-192	29.67	12.62	60	185.90	232.38	278.85	325.33	371.80
	13.45												

RAL 9003 rolled steel.

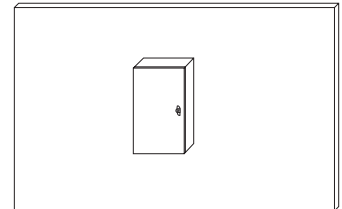
Cabinets are supplied empty, without lids or DIN rail.

The corresponding lid + DIN rail kit must be ordered (see lid kit table).

Cabinets supplied without door.

PO: Opaque door - PT: transparent door; two door + body references must be ordered.

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".



SEE DIMENSIONS ON PAGE 144.

Lid kits

Reference No.		Modular cap.	For cabinet	They include
PLASTIC	METAL			
S48P200	S48M200	48 MOD.	40ENL48-72	2 200-mm mod. lids + 1 50-mm blind lid + 2 DIN rails
S72P150	S72M150	72 MOD.	40ENL48-72	3 150-mm mod. lids + 3 DIN rails
S72P200	S72M200		40ENL72-96	3 200-mm mod. lids + 1 50-mm blind lid + 3 DIN rails
S96P150	S96M150	96 MOD.	40ENL72-96	4 150-mm mod. lids + 1 50-mm blind lid + 4 DIN rails
S96P200	S96M200		40ENL96-120	4 200-mm mod. lids + 1 50-mm blind lid + 4 DIN rails
S120P150	S120M150	120 MOD.	40ENL96-120	5 150-mm mod. lids + 2 50-mm blind lids + 5 DIN rails
S120P200	S120M200		40ENL120-168	5 200-mm mod. lids + 1 50-mm blind lid + 5 DIN rails
S168P150	S168M150	168 MOD.	40ENL120-168	7 150-mm mod. lids + 7 DIN rails
S144P200	S144M200	144 MOD.	40ENL144-192	6 200-mm mod. lids + 1 50-mm blind lid + 6 DIN rails
S192P150	S192M150	192 MOD.	40ENL144-192	8 150-mm mod. lids + 1 50-mm blind lid + 8 DIN rails



40ENL48-72



40ENL72-96



40ENL96-120



40ENL120-168



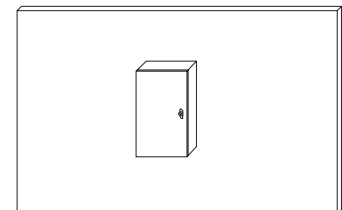
40ENL144-192

IP40 compact surface cabinets

Reference No.	Dim. cabinet (AXBXC)	Usable height space D	Cable entry (FXG)	Modular capacity	Weight KG	Maximum acceptable load KG	Power dissipation according to temperature increase °C P(W)*				
							20	25	30	35	40
40SUP48-72PO 40SUP48-72PT	510x670x212	450	440x106	48-72	15.46 16.10	20	95.9	119.9	143.9	167.8	191.8
40SUP72-96PO 40SUP72-96PT	710x670x212	650	440x106	72-96	17.88 18.82	30	124.9	156.2	187.4	218.6	249.9
40SUP96-120PO 40SUP96-120PT	910x670x212	850	440x106	96-120	20.29 21.97	40	154.0	192.5	230.9	269.4	307.9
40SUP120-168PO 40SUP120-168PT	1110x670x212	1050	440x106	120-168	24.06 25.02	50	183.0	228.7	274.5	320.2	366.0
40SUP144-192PO 40SUP144-192PT	1310x670x212	1250	440x106	144-192	31.75 32.68	60	185.9	232.4	278.9	325.3	371.8

RAL 9003 rolled steel.
Cabinets are supplied empty, without lids or DIN rail.
The corresponding lid + DIN rail kit must be ordered (see lid kit table).
Cabinets supplied with door; PO: opaque door - PT: transparent door.

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".



SEE DIMENSIONS ON PAGE 144.

Lid kits

Reference No.		Modular cap.	For cabinet	They include
PLASTIC	METAL			
S48P200	S48M200	48 MOD.	40SUP48-72PO-PT	2 200-mm mod. lids + 1 50-mm blind lid + 2 DIN rails
S72P150	S72M150	72 MOD.	40SUP48-72PO-PT	3 150-mm mod. lids + 3 DIN rails
S72P200	S72M200		40SUP72-96PO-PT	3 200-mm mod. lids + 1 50-mm blind lid + 3 DIN rails
S96P150	S96M150	96 MOD.	40SUP72-96PO-PT	4 150-mm mod. lids + 1 50-mm blind lid + 4 DIN rails
S96P200	S96M200		40SUP96-120PO-PT	4 200-mm mod. lids + 1 50-mm blind lid + 4 DIN rails
S120P150	S120M150	120 MOD.	40SUP96-120PO-PT	5 150-mm mod. lids + 2 50-mm blind lids + 5 DIN rails
S120P200	S120M200		40SUP120-168PO-PT	5 200-mm mod. lids + 1 50-mm blind lid + 5 DIN rails
S168P150	S168M150	168 MOD.	40SUP120-168PO-PT	7 150-mm mod. lids + 7 DIN rails
S144P200	S144M200	144 MOD.	40SUP144-192PO-PT	6 200-mm mod. lids + 1 50-mm blind lid + 6 DIN rails
S192P150	S192M150	192 MOD.	40SUP144-192PO-PT	8 150-mm mod. lids + 1 50-mm blind lid + 8 DIN rails



40SUP48-72



40SUP72-96



40SUP96-120



40SUP120-168



40SUP144-192

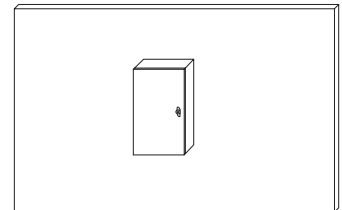


IP65 compact surface cabinets

Reference No.	Dim. cabinet (AXBXC)	Usable height space D	Cable entry (FXG)	Modular capacity	Weight KG	Maximum acceptable load KG	Power dissipation according to temperature increase °C P(W)*				
							20	25	30	35	40
65SUP48-72PO 65SUP48-72PT	510x670x212	450	500x80	48-72	16.17 19.08	20	95.9	119.9	143.9	167.8	191.8
65SUP72-96PO 65SUP72-96PT	710x670x212	650	500x80	72-96	21.00 23.25	30	124.9	156.2	187.4	218.6	249.9
65SUP96-120PO 65SUP96-120PT	910x670x212	850	500x80	96-120	24.53 25.71	40	154.0	192.5	230.9	269.4	307.9
65SUP120-168PO 65SUP120-168PT	1110x670x212	1050	500x80	120-168	29.34 31.03	50	183.0	228.7	274.5	320.2	366.0
65SUP144-192PO 65SUP144-192PT	1310x670x212	1250	500x80	144-192	34.16 35.59	60	185.9	232.4	278.9	325.3	371.8

RAL 9003 rolled steel.
Cabinets are supplied empty, without lids or DIN rail.
The corresponding lid + DIN rail kit must be ordered (see lid kit table).
Cabinets supplied with door; PO: opaque door - PT: transparent door.

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".



SEE DIMENSIONS ON PAGE 144.

Lid kits

Reference No.		Modular cap.	For cabinet	They include
PLASTIC	METAL			
S48P200	S48M200	48 MOD.	65SUP48-72PO-PT	2 200-mm mod. lids + 1 50-mm blind lid + 2 DIN rails
S72P150	S72M150	72 MOD.	65SUP48-72PO-PT	3 150-mm mod. lids + 3 DIN rails
S72P200	S72M200		65SUP72-96PO-PT	3 200-mm mod. lids + 1 50-mm blind lid + 3 DIN rails
S96P150	S96M150	96 MOD.	65SUP72-96PO-PT	4 150-mm mod. lids + 1 50-mm blind lid + 4 DIN rails
S96P200	S96M200		65SUP96-120PO-PT	4 200-mm mod. lids + 1 50-mm blind lid + 4 DIN rails
S120P150	S120M150	120 MOD.	65SUP96-120PO-PT	5 150-mm mod. lids + 2 50-mm blind lids + 5 DIN rails
S120P200	S120M200		65SUP120-168PO-PT	5 200-mm mod. lids + 1 50-mm blind lid + 5 DIN rails
S168P150	S168M150	168 MOD.	65SUP120-168PO-PT	7 150-mm mod. lids + 7 DIN rails
S144P200	S144M200	144 MOD.	65SUP144-192PO-PT	6 200-mm mod. lids + 1 50-mm blind lid + 6 DIN rails
S192P150	S192M150	192 MOD.	65SUP144-192PO-PT	8 150-mm mod. lids + 1 50-mm blind lid + 8 DIN rails



65SUP48-72



65SUP72-96



65SUP96-120



65SUP120-168



65SUP144-192

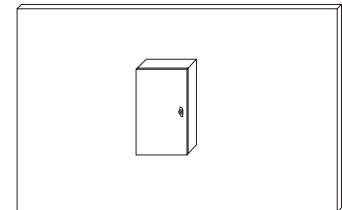
IP40 flush-fit cabinets

Reference No.	Dim. cabinet	Usable space	Body to be flush-fitted	Modular capacity	Weight	Maximum acceptable load	Power dissipation according to temperature increase °C P(W)*				
	(AXBXC)	D	(FXGXH)				20	25	30	35	40
40EMP48-72PO 40EMP48-72PT	597x737x120	450	520x660x100	48-72	15.55 15.97	20	81.9	102.4	122.9	143.3	163.8
40EMP72-96PO 40EMP72-96PT	797x737x120	650	720x660x100	72-96	20.49 21.24	30	107.1	133.9	160.7	187.5	214.2
40EMP96-120PO 40EMP96-120PT	997x737x120	850	920x660x100	96-120	25.07 26.54	40	132.3	165.4	198.5	231.6	264.7
40EMP120-168PO 40EMP120-168PT	1197x737x120	1050	1120x660x100	120-168	29.64 31.85	50	157.5	196.9	236.3	275.7	315.1
40EMP144-192PO 40EMP144-192PT	1397x737x120	1250	1320x660x100	144-192	33.24 35.74	60	182.8	228.4	274.1	319.8	365.5

Body: Galvanised steel. Door: RAL 9003 rolled steel.
Cabinets are supplied empty, without lids or DIN rail.
The corresponding lid + DIN rail kit must be ordered (see lid kit table).
Cabinets supplied with door; PO: opaque door - PT: transparent door.

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".

SEE DIMENSIONS ON PAGE 145.



Lid kits

Reference No.		Modular cap.	For cabinet	They include
PLASTIC	METAL			
E48P200	E48M200	48 MOD.	40EMP48-72PO-PT	2 200-mm mod. lids + 1 50-mm blind lid + 2 DIN rails
E72P150	E72M150	72 MOD.	40EMP48-72PO-PT	3 150-mm mod. lids + 3 DIN rails
E72P200	E72M200		40EMP72-96PO-PT	3 200-mm mod. lids + 1 50-mm blind lid + 3 DIN rails
E96P150	E96M150	96 MOD.	40EMP72-96PO-PT	4 150-mm mod. lids + 1 50-mm blind lid + 4 DIN rails
E96P200	E96M200		40EMP96-120PO-PT	4 200-mm mod. lids + 1 50-mm blind lid + 4 DIN rails
E120P150	E120M150	120 MOD.	40EMP96-120PO-PT	5 150-mm mod. lids + 2 50-mm blind lids + 5 DIN rails
E120P200	E120M200		40EMP120-168PO-PT	5 200-mm mod. lids + 1 50-mm blind lid + 5 DIN rails
E168P150	E168M150	168 MOD.	40EMP120-168PO-PT	7 150-mm mod. lids + 7 DIN rails
E144P200	E144M200	144 MOD.	40EMP144-192PO-PT	6 200-mm mod. lids + 1 50-mm blind lid + 6 DIN rails
E192P150	E192M150	192 MOD.	40EMP144-192PO-PT	8 150-mm mod. lids + 1 50-mm blind lid + 8 DIN rails



40EMP48-72



40EMP72-96



40EMP96-120



40EMP120-168



40EMP144-192

IP
40IP
65

CE



IP40 combinable surface cabinets



IP40 compact surface cabinets



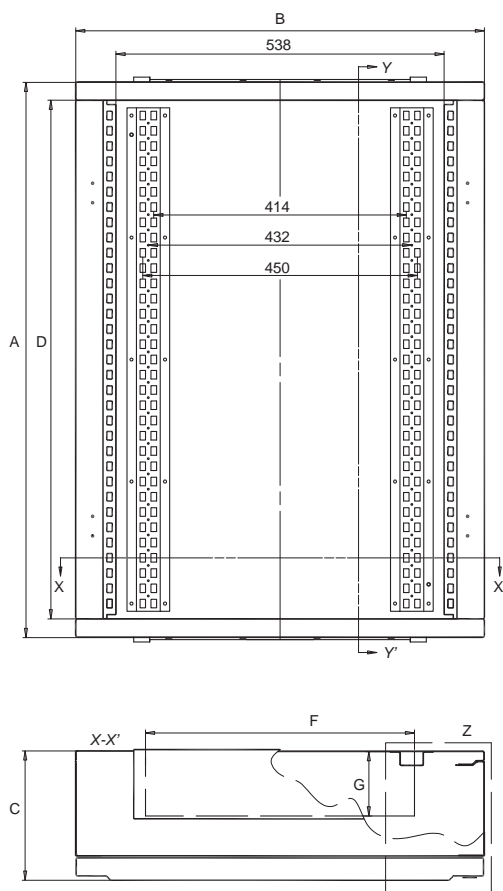
IP40 compact surface cabinets



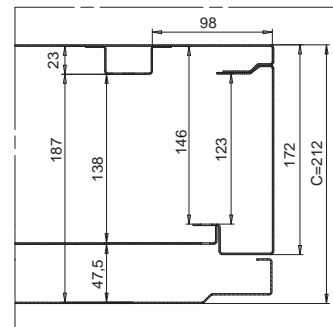
IP65 compact surface cabinets

Dimensions

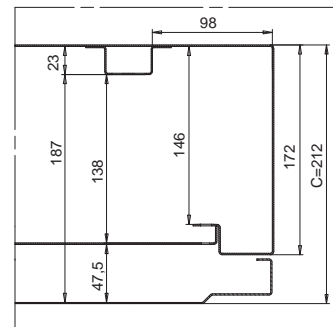
Surface cabinets: IP40 Combinable, IP40 Compact, IP65 Compact



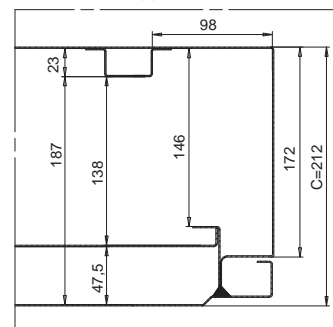
SECTION DETAIL (Z) COMBINABLE CABINET



SECTION DETAIL (Z) SURFACE IP40



SECTION DETAIL (Z) SURFACE IP65

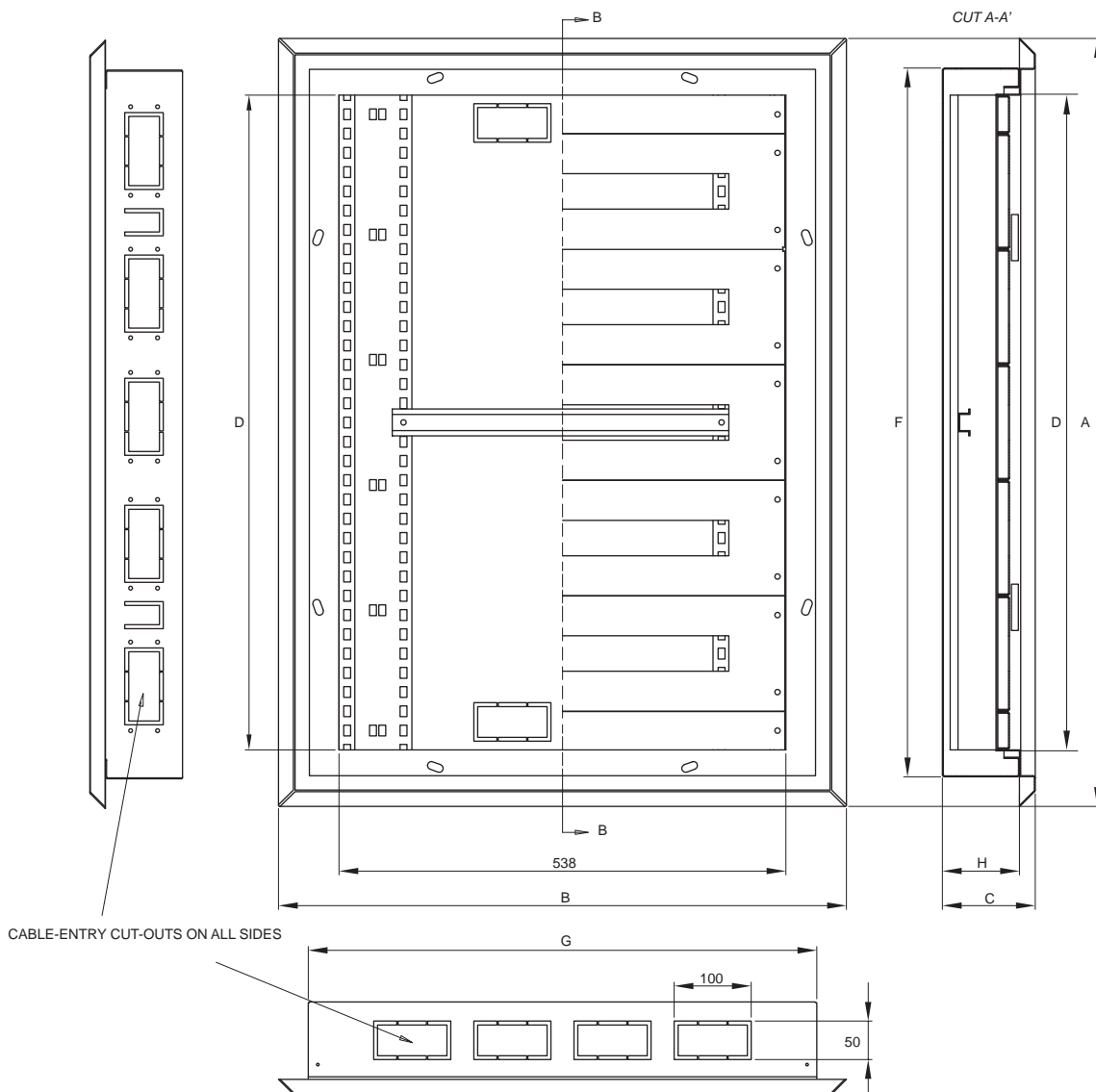




IP40 flush-fit cabinets

Dimensions

IP40 flush-fit cabinets



Plastic lids



Reference No.	Dimensions	Number of modules
MODULAR		
HEIGHT X WIDTH		
TM150	150x577	24
TM200	200x577	24
BLIND		
HEIGHT X WIDTH		
TC50	50x577	-
TC150	150x577	-
TC200	200x577	-

MATERIAL: ABS RAL 9003 white.

CHARACTERISTICS: Hinged and reversible. They are closed by means of a clipping system.

Metal lids



Reference No.	Dimensions	Number of modules
FIXED MODULAR		
HEIGHT X WIDTH		
TMM150F	150x577	24
TMM200F	200x577	24
TMM300F	300x577	2 x 24
TMM400F	400x577	2 x 24

FIXED BLIND		
HEIGHT X WIDTH		
TCM50F	50x577	-
TCM150F	150x577	-
TCM200F	200x577	-
TCM300F	300x577	-
TCM400F	400x577	-

MATERIAL: RAL 9003 white cold-rolled steel.

CHARACTERISTICS: Fixed, bolted to the structure by means of M6 caged nuts and M6x10 anti-twist screws.

Moulded-case circuit breaker cover (MCCB)



Reference No.	Dimensions	For switch
HEIGHT X WIDTH		
TMCB200	200x577	MCCB
TMCB250	250x577	MCCB
TMCB300	300x577	MCCB
TMCB400	400x577	MCCB

Plate + moulded-case circuit breaker (MCCB) support



Reference No.	Dimensions	
HEIGHT X WIDTH		
PMCB200	165x385	-
PMCB250	215x385	-
PMCB300	265x385	-
PMCB350	315x385	-

MATERIAL: RAL 9003 painted steel cover. Plate and adjustment elements in 2-mm thick galvanised steel.

CHARACTERISTICS: Cover plus plate system for installing moulded-case circuit breakers (MCCBs) up to 400A. MCCB layout can be horizontal and/or vertical. The supports are height-adjustable.

SUPPLY: The two cover + plate references must be ordered. The plate includes the four supports and all the screws needed for installation.

DIN rail kit for surface cabinets



Reference No.	Description	Number of modules
48013	DIN rail + supports for surface assembly	24

MATERIAL: Galvanised steel.

CHARACTERISTICS: Mounting system using depth-adjustable clips.

FOR THE FOLLOWING CABINETS: 40ENL-40SUP-65SUP.

DIN rail kit for flush-fit cabinets



Reference No.	Description	Number of modules
48014	DIN rail + supports for flush-fit assembly	24

MATERIAL: Galvanised steel.

CHARACTERISTICS: Rail attached directly to the frame. Fixed distance between rails and protection lids.

FOR THE FOLLOWING CABINETS: 40EMP.

Auxiliary modules



Reference No.	Dimensions	Usable space	For cabinet
SIDE	HEIGHT X WIDTH X DEPTH	HEIGHT X WIDTH	
MEL4048	510x350x212	450x209	40ENL48-72
MEL4072	710x350x212	650x209	40ENL72-96
MEL4096	910x350x212	850x209	40ENL96-120
MEL40120	1110x350x212	1050x209	40ENL120-168
MEL40144	1310x350x212	1250x209	40ENL144-192

Reference No.	Dimensions	Usable space	For cabinet
CENTRAL	HEIGHT X WIDTH X DEPTH	HEIGHT X WIDTH	
MEC4048	510x350x212	450x209	40ENL48-72
MEC4072	710x350x212	650x209	40ENL72-96
MEC4096	910x350x212	850x209	40ENL96-120
MEC40120	1110x350x212	1050x209	40ENL120-168
MEC40144	1310x350x212	1250x209	40ENL144-192

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: Possibility of installing auxiliary side or central module.

Used for the installation of busbars, switches, control equipment etc., leaving more space inside the cabinet.

Opaque door with standard 5-mm double bit lock.

FOR THE FOLLOWING CABINETS: 40ENL.

Cover kit for busbar



Reference No.	Dimensions	For cabinet
	HEIGHT X WIDTH	NO. OF MODULES
48660	450x248	48
48661	650x248	72
48662	850x248	96
48663	1050x248	120
48664	1250x248	144

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: All the accessories necessary for assembly are supplied.

They provide additional protection for busbars.

Moulded-case circuit breaker and busbar cover kit



Reference No.	Dimensions			For cabinet
	MCCB COVER	BLIND LID	PLATE	NO. OF MODULES
48700	450x248	-	300x212	48
48701	450x248	200x248	300x212	72
48702	450x248	400x248	300x212	96
48703	450x248	600x248	300x212	120
48704	450x248	800x248	300x212	144

MATERIAL: Mounting plate in galvanised steel. RAL 9003 painted steel protection lid.

Independent offset lid to prevent interference with the door. Includes mounting plate and height-adjustable support. It is supplied with all the accessories required for installation. Possibility of fitting the moulded-case circuit breaker (MCCB) up to 630A in the upright position.

Trunking support kit



Reference No. Description

VERTICAL

48243 Vertical trunking support (6-piece pack)

MATERIAL: Galvanised steel.

CHARACTERISTICS: Supports for fixing cable-distribution trunking vertically. Housing for vertical trunking up to 60x60.

Vertical and horizontal trunking supports can be linked together.

Supply: Pack of 6 supports plus fixing screws.

FOR THE FOLLOWING CABINETS: 40SUP-40ENL-40EMP-65SUP.

Reference No. Description

HORIZONTAL

49368 Horizontal trunking support (2-piece pack)

MATERIAL: ABS RAL 7035.

CHARACTERISTICS: Supports for fixing cable-distribution trunking horizontally.

Two horizontal trunking fixing positions for separation between 150 or 200 mm DIN rails.

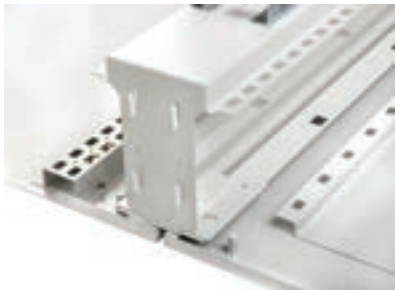
Vertical and horizontal trunking supports can be linked together.

Supply: Pack of 2 supports plus fixing screws.

FOR THE FOLLOWING CABINETS: 40SUP-40ENL-40EMP-65SUP.



Combination + extension ENL cabinets



Reference No. Dimensions No. of modules For cabinet

COMBINABLE SURFACE CAB.

HEIGHT

Reference No.	HEIGHT	No. of modules	For cabinet
EE6751	450	48	40ENL48-72
EE6771	650	72	40ENL72-96
EE6791	850	96	40ENL96-120
EE67111	1050	120	40ENL120-168
EE67113	1250	144	40ENL144-192

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: It permits the connection and extension of ENL-type surface enclosures using a clipping system. It contains the joining structure, plus the cabinet extension. (Door not included).

FOR THE FOLLOWING CABINETS: 40ENL.

Reference No. Description

FLUSH-FIT CABINET

48007 Joining structure for flush-fit cabinets (2-piece pack)

MATERIAL: Galvanised steel.

CHARACTERISTICS: It is used to join flush-fit enclosures. The piece is secured to the bases, allowing you to run cables between cabinets.

FOR THE FOLLOWING CABINETS: 40EMP.



Kit for ICP



Reference No.	Description	No. of modules
48107	Kit for flush-fit ICP 63A	ICP+26
48108	Kit for surface ICP 63A	ICP+30

CHARACTERISTICS: The ICP kit covers take up a usable surface in the 300-mm-high cabinet.

Surface kit: 63A ICP with 2-row protection lid and capacity for 30 modules.

Flush-fit kit: 63A ICP with 2-row protection lid and capacity for 26 modules.

FOR THE FOLLOWING CABINETS: 40SUP-40ENL-40EMP-65SUP.

Mounting plates



Reference No.	Dimensions
FLAT	
HEIGHT X WIDTH	
PLM200	200x478
PLM300	300x478
PLC450	450x430
PLC600	600x430



Reference No.	Dimensions
SLOTTED	
HEIGHT X WIDTH	
PLP300	300x430
PLP450	450x430
PLP600	600x430

MATERIAL: Mounting plate in 2-mm thick galvanised steel.

CHARACTERISTICS: The mounting elements must be ordered to be able to install the plates. Ref. 48340 for surface cabinets and Ref. 94422 for flush-fit cabinets.

FOR THE FOLLOWING CABINETS: 40SUP-40ENL-40EMP-65SUP.

Rail and plate mounting elements



Ref. 94422 Ref. 48444 Ref. 48340

Reference No.	Description
94422	Rail and plate mounting element for flush-fit cabinets
48340	Adjustable plate mounting elements for surface cabinets
48444	Rail mounting element for surface cabinets

Wall-mounting support



48427	Galvanised wall-mounting support (4-piece pack)
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MATERIAL: Galvanised steel.

CHARACTERISTICS: They are attached to the rear part of the cabinet vertically or horizontally.

Supply: 4-support pack.

FOR THE FOLLOWING CABINETS: 40SUP-40ENL-65SUP.

Spare doors



Reference No.	Description	For cabinet
IP40 FLUSH-FIT CABINET		NO. OF MODULES
P040EMP48-72	Opaque	48-72
PT40EMP48-72	Transparent	48-72
P040EMP72-96	Opaque	72-96
PT40EMP72-96	Transparent	72-96
P040EMP96-120	Opaque	96-120
PT40EMP96-120	Transparent	96-120
P040EMP120-168	Opaque	120-168
PT40EMP120-168	Transparent	120-168
P040EMP144-192	Opaque	144-192
PT40EMP144-192	Transparent	144-192

Reference No.	Description	For cabinet
IP40 SURFACE		NO. OF MODULES
P040SUP48-72	Opaque	48-72
PT40SUP48-72	Transparent	48-72
P040SUP72-96	Opaque	72-96
PT40SUP72-96	Transparent	72-96
P040SUP96-120	Opaque	96-120
PT40SUP96-120	Transparent	96-120
P040SUP120-168	Opaque	120-168
PT40SUP120-168	Transparent	120-168
P040SUP144-192	Opaque	144-192
PT40SUP144-192	Transparent	144-192

Reference No.	Description	For cabinet
IP65 SURFACE		NO. OF MODULES
P065SUP48-72	Opaque	48-72
PT65SUP48-72	Transparent	48-72
P065SUP72-96	Opaque	72-96
PT65SUP72-96	Transparent	72-96
P065SUP96-120	Opaque	96-120
PT65SUP96-120	Transparent	96-120
P065SUP120-168	Opaque	120-168
PT65SUP120-168	Transparent	120-168
P065SUP144-192	Opaque	144-192
PT65SUP144-192	Transparent	144-192

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: Doors supplied with 5-mm 1/4 turn double-bit lock.

Possibility of opaque or transparent door.

FOR THE FOLLOWING CABINETS: 40SUP-40ENL-65SUP-40EMP.

Standard locks



Ref. 48445



Ref. 48446

Reference No.	Description
---------------	-------------

48445	5-mm double-bit lock (surface)
--------------	--------------------------------

48446	5-mm double-bit lock (flush-fit)
--------------	----------------------------------

CHARACTERISTICS: Housing manufactured in RAL 7037 polyamide and latch in steel. 5-mm double-bit key not included.

Locks with key



Ref. 48447



Ref. 48448

Reference No.	Description
---------------	-------------

48447	1/4 turn lock with key code 333 (surface)
--------------	---

48448	1/4 turn lock with key code 333 (flush-fit)
--------------	---

CHARACTERISTICS: Housing manufactured in RAL 7037 polyamide and latch in steel. Aluminium key with code 333 included (1 pc.). (Ref. 48550 for spare).

Wing nut locks



Ref. 48458



Ref. 48459



Ref. 48542

Reference No.	Description
---------------	-------------

48458	1/4 turn lock with wing nut with key code 333 (surface)
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48459	1/4 turn lock with wing nut with key code 333 (flush-fit)
--------------	---

48542	1/4 turn lock with fixed wing nut without key
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CHARACTERISTICS: Housing manufactured in black polyamide and latch in steel. Aluminium key with code 333 included (1 pc.). (Ref. 48550 for spare).

Keys



Ref. 48550



Ref. 48449



Ref. 48460

Reference No.	Description
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48449	5-mm double-bit key in polyamide
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48460	5-mm double-bit key in zamak
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48550	1/4 turn key code 333
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IP
40IP
55

CE



IP40-IP55 Steel distribution cabinets

The ATLANTIC PLUS series has been designed to satisfy the needs of large installations which, due to their construction characteristics, require a specific type of cabinet with average installed capacities, good modular capacity and an attractive design.

They are available in two versions, IP40 detachable and IP55 compact, with a height of 2110 mm and a capacity from 192 to 288 modules. They are designed for use in public premises such as corridors in shopping malls, hospitals, hotels, schools, etc.

ATLANTIC PLUS



ATLANTIC PLUS Technical Specifications

- **Degree of protection:**
Combinable surface enclosures: IP40.
Compact surface cabinets: IP55.
- **Resistance to impact:**
Opaque door: IK10.
Transparent door: IK09.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum temperature for sealing gasket:** 80 °C.
- **Maximum temperature for epoxy-polyester paint:** 125 °C.

ATLANTIC PLUS Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1
(as applicable).

ATLANTIC PLUS Electrical properties

- **Rated operating voltage (Ue):** 1000 V AC.
- **Rated insulation voltage (Ui):** 1000 V AC.
- **Rated impulse withstand voltage (Uimp):** 8 kV (depending on type of accessory).
- **Current (Ie):** 630 kV (depending on type of accessory).
- **Rated short-time withstand current (Icw):** 33 kA 1s.
- **Rated peak withstand current (Ipk):** 69 kA.



Product series

Standard

- IP40 combinable surface cabinets with opaque or transparent door.
- IP55 compact surface cabinets with opaque or transparent door.
- Modular capacity for 1810 mm cabinets:
from 192 to 240 modules.
- Modular capacity for 2110 mm cabinets:
from 216 to 288 modules.

Supply

IP40 combinable surface cabinets

They are supplied disassembled in a single packaging that contains:

- Body.
- Sides.
- Top and bottom cover.
- Cable-entry cover.
- Frame.
- Plinth.
- Door.
- Accessory bag: Lifting and mounting pack, hinges, covers, cable-gland, screws, key, assembly instructions.

IP55 compact surface cabinets

They are supplied assembled in a single packaging that contains:

- Cabinet.
- Door.
- Frame.
- Plinth.
- Accessory bag: Lifting and mounting pack, covers, cable-gland, screws, key, assembly instructions.

High modular capacity cabinets that offer multiple combinations

Material

- Body, sides, and top and bottom covers made of 1.2-mm thick EN10130+A1 cold-rolled steel.
- Opaque doors made of 1.2-mm thick EN10130+A1 cold-rolled steel.
- Transparent doors made of 4-mm thick tempered safety glass.

Finish

- Coated with hardened RAL 9003 epoxy-polyester paint, embossed 80-120 μ .
- Corrosion resistance according to the UNE-EN62208 standard. C4-M classification according to the ASIM B-117:97, ISO 9227:07 and ISO 12944-6-98 standards.
- Specific coating treatments can be applied to order, to increase the degree of corrosion resistance to reach the C5-H classification.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 9003 epoxy-polyester paint, thickness between 80-120 microns. A1.02 paint system according to the UNE-EN ISO 12944-5 standard.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.

ATLANTIC PLUS

IP40-IP55 combinable steel distribution cabinets

IP40 COMBINABLE SURFACE CABINETS



Body

- Totally assemblable enclosure that is supplied disassembled to give the installer greater versatility and facilitate assembly and wiring.
- The body is a flat component with two profiles, to which all the unit's equipment is secured. The profiles have two 25-mm rectangular cut-out lines to insert caged nuts to secure accessories, and a third line with 3 mm-diameter circular holes for screwing them directly to the wall.
- Lifting and transport system based on two flanges secured to the base of the cabinet, included in the unit.
- The body is totally reversible, and the electrical switchgear can be installed in any position.

Sides

- The sides are secured to the base by means of clips.
- The hinges and retainers are secured to the sides by machined screws. The sides are reversible, and the doors can be opened to the right or to the left.
- The top and bottom covers are secured to the side by means of riveted nuts.

Top and bottom covers

- The cabinet is supplied with a cover for cable entry at the top and the bottom.
- On the top, plastic covers can be fitted that allow the cables to enter secured to the base (even cables attached to trays). It has two riveted nuts in order to secure the lifting supports that are supplied with the unit.
- The bottom cover has a 500x80-mm gap in the centre for the assembly of metal covers for cable entry and also has four riveted bolts for installing the 100-mm plinth included in the unit.
- The two covers, top and bottom, are secured to the side by means of clips, and screws are used to reinforce the joint between cover, side and base.



Enclosures can be joined and auxiliary modules can be installed with a horizontal assembly system that facilitates the installation of switchgear over long spaces and affords the unit excellent rigidity



IP
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IP
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IP55 SURFACE CABINETS

Body



- The enclosure body consists of a single piece, with two profiles to which all the unit's equipment is secured.
- The profiles have two 25-mm rectangular cut-out lines to insert caged nuts to secure accessories, and a third line with 3 mm-diameter circular holes for screwing them directly to the wall.
- Lifting and transport system based on two flanges secured to the base of the cabinet, included in the unit.
- The 500x80 mm cable entries are located at the top and bottom.
- The cable entries are covered by means of metal lids secured to the body with machined screws. The cover has a sealing gasket to guarantee IP55 protection.
- A gland is recommended for trunking and cable entry to avoid losing the enclosure's IP protection degree.



Elegance and functionality intended for the tertiary sector

COMPONENTS FOR BOTH IP40-IP55 CABINET VERSIONS

Modular frame

- Modular frame for installing modular or blind lids.
- A simple opening-closing system delivers quick and comfortable access to the inside of the enclosure, and the whole frame rotates freely without the need for cover-by-cover opening.
- The frame is reversible in terms of both assembly and opening.
- It has four holes at the front to run the cable to the door and thus guarantee the unit's mass continuity. If the holes are not used, they can be covered with watertight caps.
- The plastic covers are clipped on, and the metal covers are secured to the frame by means of caged nuts and screws. The covers are not included in the unit, and are supplied as an accessory.

Plinth

- All enclosures are supplied with a 100-mm high plinth as standard.
- The plinth consists of two side supports, two side covers and two front covers.
- The side supports are secured to the cabinet structure by means of screws, and there are two housings on the base for securing the cabinet to the floor or ground.

Lifting and mounting flanges

All enclosures are supplied with two flanges used as a lifting and transport system and for subsequent wall-mounting.

Doors

- Possibility of opaque or transparent door.
- Opaque doors made from sheet with a thickness of 1.2 mm.
- Transparent doors made of 4-mm thick tempered safety glass.
- Doors for IP55 cabinets with sealing gasket to guarantee the cabinet's degree of protection.
- All doors are reversible.

Locks

- 4-point lock, double-bit insert with retractable handle in RAL 7016 grey.
- Other types of locks supplied as accessories.



Cover + DIN rail kit

DIN rail for surface cabinets

- Each rail has a standard capacity of 24 modules.
- Omega rail clip-on mounting system.
- Depth-adjustable supports that permit an omega rail height variation in the range of 45 mm. The support has three pre-marked positions corresponding to the three standard heights for modular electrical switchgear.
- Height can be adjusted either prior to delivery or once the sub-assembly has been fitted in the enclosure.
- In order to fit the rails in the right position in the body profiles, a ruler is supplied where the positions of the holes to be used is pre-marked, depending on the number of rails to be installed.

Modular lids

Possibility of plastic and metal lids.

Plastic lids:

- Hinged, they are closed by means of a clipping system; a tool is needed to open the lid, as provided for by the applicable regulations.
- Manufactured in ABS, RAL 9003. Modular lids for 24 modules of 150 mm and 200 mm and blind lids of 50, 150 and 200 mm.

Metal lids:

- Fixed, bolted to the cabinet's structure by means of M6 caged nuts and M6x10 screws.
- Made of RAL 9003 cold-rolled steel.
- Modular lids for 24 modules of 150 and 200 mm. Modular lids with a capacity for 48 modules (2x24) of 300 mm and 400 mm and blind lids of 50, 150, 200, 300 and 400 mm.

Multiple combinations of modules for the same size of cabinet can be obtained by combining the different protection lids. The cabinets are supplied without lids to afford the installer greater modular versatility.

Distance between rail and lid: 50.5 mm.

Distance between lid and door: 44 mm.

Moulded-case circuit breaker (MCCB) mounting system

- Mounting system comprising a cover, plate and four adjustment supports.
- The layout of the MCCB (up to 630 A) may be horizontal and/or vertical.
- Two cover + plate references must be ordered for proper installation. The plate includes the four adjustable supports and all the screws needed for installation.





IP40 combinable opaque door



IP40 combinable transparent door



IP55 compact opaque door



IP55 compact with frame

IP40 combinable surface cabinets

Reference No.	Cabinet dimensions (AXBXC)	Usable height space B	Modular capacity	Weight kg	Maximum acceptable load kg	Power dissipation according to temperature increase °C P(W)*				
						20	25	30	35	40
40ENL192-240PO	1810x730x250	1600	192-240	56.00	70	321.2	401.5	481.8	562.1	642.4
40ENL192-240PT	1810x730x250	1600	192-240	56.00	70	321.2	401.5	481.8	562.1	642.4
40ENL216-288PO	2110x730x250	1900	216-288	66.25	85	369.8	462.2	554.6	647.1	739.5
40ENL216-288PT	2110x730x250	1900	216-288	66.00	85	369.8	462.2	554.6	647.1	739.5

IP55 compact surface cabinets

Reference No.	Cabinet dimensions (AXBXC)	Usable height space B	Modular capacity	Weight kg	Maximum acceptable load kg	Power dissipation according to temperature increase °C P(W)*				
						20	25	30	35	40
55SUP192-240PO	1810x730x250	1600	192-240	59.00	70	321.2	401.5	481.8	562.1	642.4
55SUP192-240PT	1810x730x250	1600	192-240	60.20	70	321.2	401.5	481.8	562.1	642.4
55SUP216-288PO	2110x730x250	1900	216-288	67.00	85	369.8	462.2	554.6	647.1	739.5
55SUP216-288PT	2110x730x250	1900	216-288	67.00	85	369.8	462.2	554.6	647.1	739.5

RAL 9003 rolled steel.

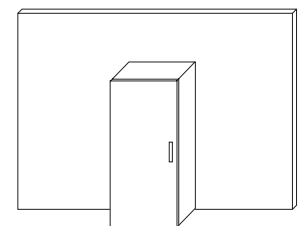
Cabinets supplied with modular frame, without lids or DIN rail.

Plinth included in the unit. The dimensions include the 100-mm plinth.

Cabinets supplied with door; PO: opaque door - PT: transparent door.

* Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear".

SEE DIMENSIONS ON PAGES 160 AND 161.



Multiple module combinations for a single cabinet size

ATLANTIC PLUS

IP40-IP55 steel distribution cabinets

DIN rail kit



Reference No. Description

48242 DIN rail 24 modules + assembly supports

MATERIAL: Galvanised steel.

CHARACTERISTICS: Mounting system using depth-adjustable clips.

FOR THE FOLLOWING CABINETS: 40ENL-55SUP.

Hinged plastic covers



Reference No. Dimensions Number of modules

MODULAR HEIGHT X WIDTH

TM150 150x577 24

TM200 200x577 24

BLIND HEIGHT X WIDTH

TC50 50x577 -

TC150 150x577 -

TC200 200x577 -

MATERIAL: ABS RAL 9003 white.

CHARACTERISTICS: Hinged and reversible. They are closed by means of a clipping system.

Fixed metal covers



Reference No. Dimensions Number of modules

FIXED MODULAR HEIGHT X WIDTH

TMM150F 150x577 24

TMM200F 200x577 24

TMM300F 300x577 2 x 24

TMM400F 400x577 2 x 24

FIXED BLIND HEIGHT X WIDTH

TCM50F 50x577 -

TCM150F 150x577 -

TCM200F 200x577 -

TCM300F 300x577 -

TCM400F 400x577 -

MATERIAL: RAL 9003 white cold-rolled steel.

CHARACTERISTICS: Fixed, bolted to the structure by means of M6 caged nuts and M6x10 anti-twist screws. Hinged lids available to order.

Moulded-case circuit breaker cover (MCCB)



Reference No. Dimensions For switch

HEIGHT X WIDTH

TMCB200 200x577 MCCB

TMCB250 250x577 MCCB

TMCB300 300x577 MCCB

TMCB400 400x577 MCCB

Plate + moulded-case circuit breaker (MCCB) support



Reference No. Dimensions

HEIGHT X WIDTH

PMCB200 165x385 -

PMCB250 215x385 -

PMCB300 265x385 -

PMCB350 315x385 -

MATERIAL: RAL 9003 painted steel cover. Plate and adjustment elements in 2-mm thick galvanised steel.

CHARACTERISTICS: Cover plus plate system for installing moulded-case circuit breakers (MCCBs) up to 630A. MCCB layout can be horizontal and/or vertical. The supports are height-adjustable.

SUPPLY: The two cover + plate references must be ordered. The plate includes the four supports and all the screws needed for installation.

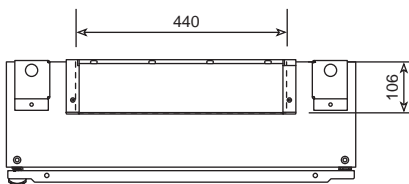
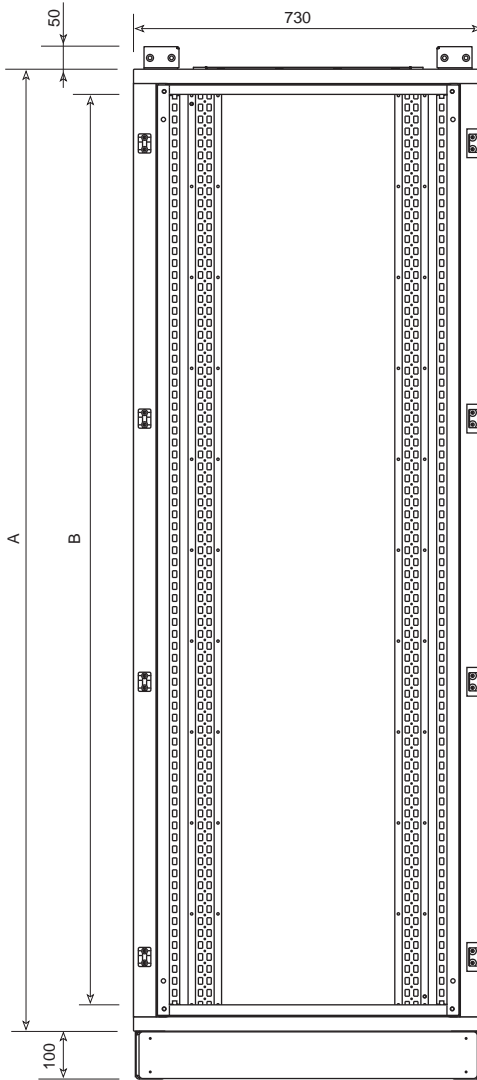
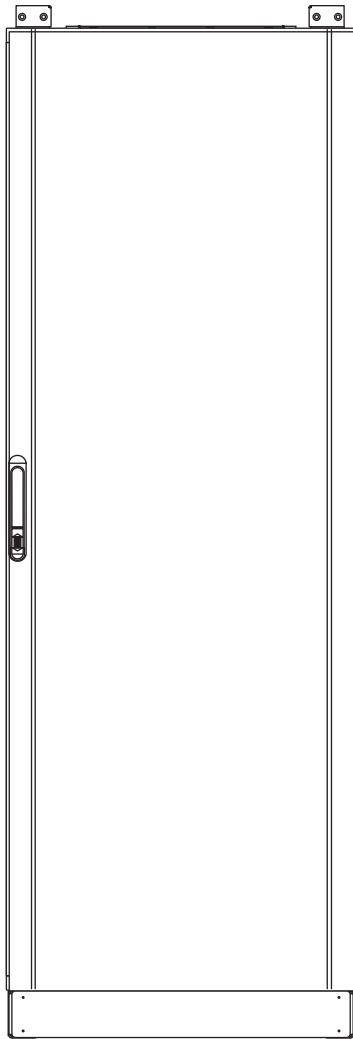
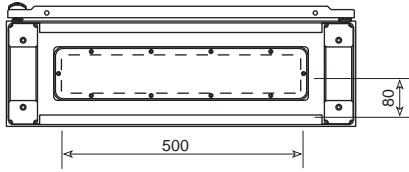
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Dimensions

IP40 combinable cabinets

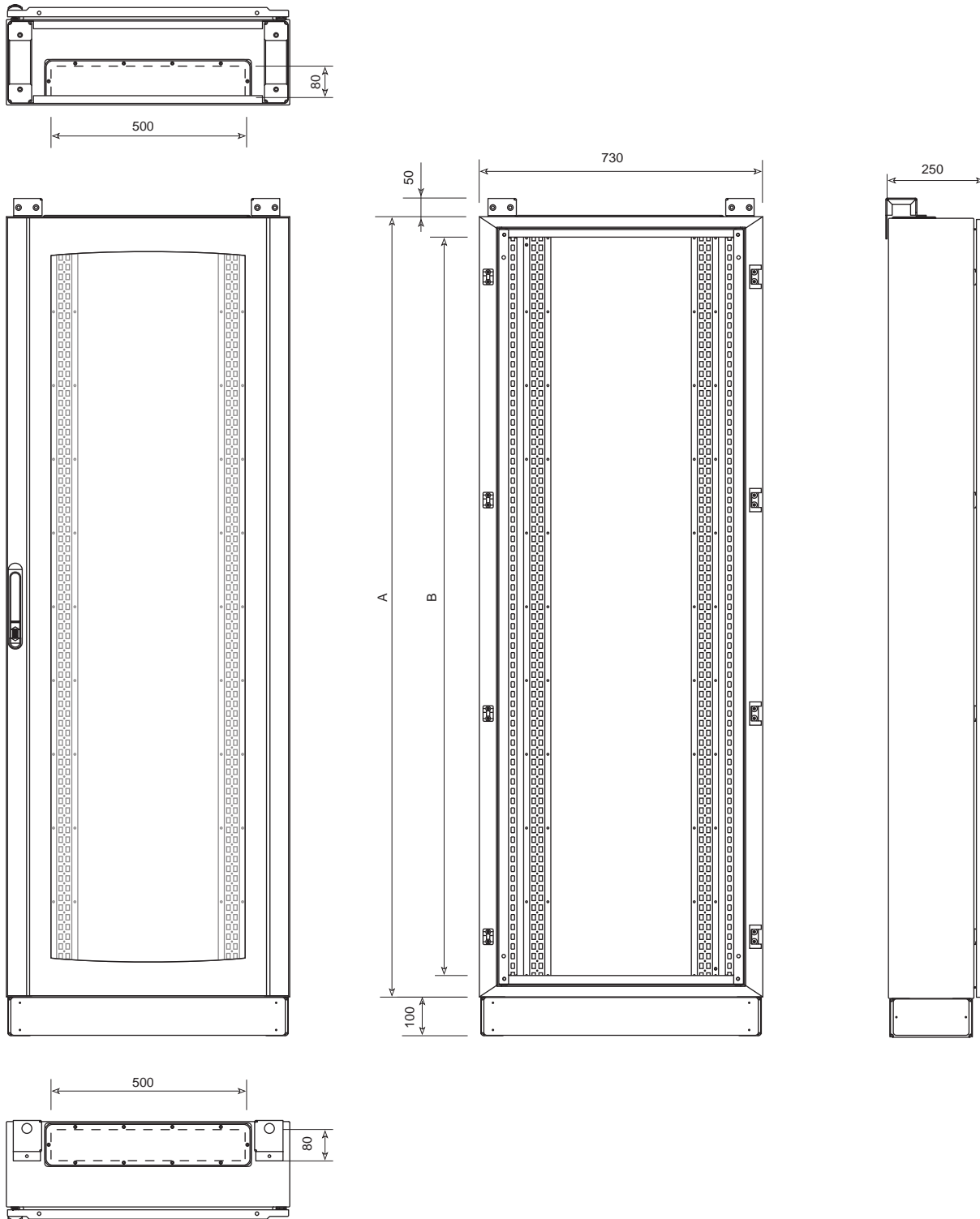


ATLANTIC PLUS

IP40-IP55 steel distribution cabinets

Dimensions

IP55 compact cabinets



Auxiliary module



Reference No.	Dimensions	Usable space	For cabinet
SIDE	HEIGHT X WIDTH X DEPTH	HEIGHT	
MEL401810	1810x430x250	1650	40ENL192-240
MEL402110	2110x430x250	1950	40ENL216-288

Reference No.	Dimensions	Usable space	For cabinet
CENTRAL	HEIGHT X WIDTH X DEPTH	HEIGHT	
MEC401810	1810x430x250	1650	40ENL192-240
MEC402110	2110x430x250	1950	40ENL216-288

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: Possibility of installing side or central auxiliary module.

The cabinet and auxiliary module are joined by means of a jumper, leaving free inner passage space.

Used for the installation of busbars, switches, control equipment etc., leaving more space inside the cabinet.

They feature a standard 4-point lock, double-bit insert with retractable handle in RAL 7016 grey.

FOR THE FOLLOWING CABINETS: 40ENL.

Accessories for auxiliary module



Reference No.	Description	Dimensions	
		PLATE	COVER
48705	Moulded-case circuit breaker kit	300x273	450x303

MATERIAL: Mounting plate in galvanised steel.

RAL 9003 painted steel protection cover.

CHARACTERISTICS: It features a protective cover and mounting plate with adjustment supports included. Possibility of fitting the moulded-case circuit breaker (MCCB) up to 630A in the upright position.



Reference No.	Dimensions
PROTECTIVE COVERS FOR BUSBAR	HEIGHT X WIDTH
48370	300x303
48371	450x303
48372	600x303
48266	1200x303
48267	1500x303

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: Partial covers to divide the protection area into sectors.

All the accessories necessary for assembly are supplied.

They provide the switchgear and other devices inside the auxiliary cabinet with additional protection.

FOR THE FOLLOWING CABINETS: MEL-MEC.

ATLANTIC PLUS

IP40-IP55 steel distribution cabinet accessories

Trunking support kit



Reference No. Description

VERTICAL

48243 Vertical trunking support (6-piece pack)

MATERIAL: Galvanised steel.

CHARACTERISTICS: Supports for fixing cable-distribution trunking vertically.

Housing for vertical trunking up to 60x60.

Vertical and horizontal trunking supports can be linked together.

Supply: Pack of 6 supports plus fixing screws.

FOR THE FOLLOWING CABINETS: 40ENL-55SUP.

Reference No. Description

HORIZONTAL

49368 Horizontal trunking support (2-piece pack)

MATERIAL: ABS RAL 7035.

CHARACTERISTICS: Supports for fixing cable-distribution trunking horizontally.

Two horizontal trunking fixing positions for separation between 150 or 200 mm DIN rails.

Vertical and horizontal trunking supports can be linked together.

Supply: Pack of 2 supports plus fixing screws.

FOR THE FOLLOWING CABINETS: 40ENL-55SUP.



Combination + extension ENL cabinets



Reference No. Dimensions (mm) For cabinet

HEIGHT

EE1810PO	1810	40ENL192-240PO
EE2110PO	2110	40ENL216-288PO
EE1810PT	1810	40ENL192-240PT
EE2110PT	2110	40ENL216-288PT

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: It permits the connection and extension of ENL-type surface enclosures using a clipping system. It contains the joining structure plus the cabinet and door extension.

FOR THE FOLLOWING CABINETS: 40ENL.

Mounting plates



Reference No. Dimensions

FLAT

HEIGHT X WIDTH

PLM200	200x478
PLM300	300x478
PLM400	400x478

MATERIAL: Mounting plate in 2-mm thick galvanised steel.

CHARACTERISTICS: It permits the connection and extension of ENL-type surface enclosures using a clipping system. It contains the joining structure, plus the cabinet extension.

FOR THE FOLLOWING CABINETS: 40ENL-55SUP.

Reference No. Description

PLATE MOUNTING ELEMENTS

48340 Adjustable plate mounting elements

MATERIAL: Galvanised steel.

CHARACTERISTICS: All the accessories necessary for assembly are supplied.

They are used to adjust plate depth in surface cabinets.

FOR THE FOLLOWING CABINETS: 40ENL-55SUP.



Lifting and mounting elements



Reference No.	Description
48244	Lifting and mounting pack (2-piece pack)
48245	Connection, lifting and mounting pack (1-piece pack)

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: All enclosures are supplied with two flanges, Ref. 48244, to be used as a lifting and transport system and for subsequent wall-mounting.

Ref. 48245 also reinforces the connection between combinable cabinets.

FOR THE FOLLOWING CABINETS: 40ENL - 55SUP.

Spare doors



Reference No.	Description	For cabinet
IP40 COMBINABLE		NO. OF MODULES
P040ENL192	Opaque	192-240
PT40ENL192	Transparent	192-240
P040ENL216	Opaque	216-288
PT40ENL216	Transparent	216-288

Reference No.	Description	For cabinet
IP55 COMPACT		NO. OF MODULES
P055SUP192	Opaque	192-240
PT55SUP192	Transparent	192-240
P055SUP216	Opaque	216-288
PT55SUP216	Transparent	216-288



Reference No.	Description	For cabinet
FOR AUX. MODULE		HEIGHT
POME1810	Opaque	1810
POME2110	Opaque	2110

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: They feature a standard 4-point lock, double-bit insert with retractable handle in RAL 7016 grey.

For cabinets, possibility of opaque or transparent door.

Only available in opaque door for auxiliary module.

FOR THE FOLLOWING CABINETS: 40ENL - 55SUP - MEL - MEC.

ATLANTIC PLUS

IP40-IP55 steel distribution cabinet accessories

Standard lock



Reference No. Description

48522	1/4 turn lock + RAL 7016 handle (without rods)
48523	Lock with padlock + RAL 7016 handle (without rods)

CHARACTERISTICS: Reference 48522: 4-point lock, double-bit insert with retractable handle in RAL 7016 grey. 5-mm double-bit key in zamak not included (Ref. 48460)
Reference 48523: Padlock not included.

These references do not include the inside lock plus rods, which must be ordered separately, depending on the height of the cabinet.

Inserts for lock with handle



Ref. 48463

Ref. 48464

Ref. 48465

Reference No. Description

48541	Triangular insert lock + triangular key 6.5
48463	Triangular insert lock + triangular key 8
48464	Keyless pressure insert lock
48465	Security insert lock with key code 333

Key



Reference No. Description

48460	5-mm double-bit key in zamak
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Packs for doors



Reference No. Description

INTERNAL LOCK

48484	Internal lock, double door + rod 1800
48485	Internal lock, double door + rod 2000

MATERIAL: Handle made of polyamide with fibreglass.

CHARACTERISTICS: 2-point 1/4 turn interior lock. Rods included depending on the height of the cabinet.

FOR THE FOLLOWING CABINETS: 40ENL- 55SUP.

Reference No. Description

HINGES AND RETAINERS

48461	Standard 120° hinge (4-piece pack)
48482	Lock retainer (4-piece pack)
48525	180° hinge (4-piece pack)

MATERIAL: Zamak.

SUPPLY: 4-piece pack.

FOR THE FOLLOWING CABINETS: 40ENL- 55SUP.

Reference No. Description

RODS FOR LOCKS

48560	Single door rod 1800 mm height
48561	Single door rod 2000 mm height
48565	Rod end (4-piece pack)

MATERIAL: Galvanised steel.

CHARACTERISTICS: They must be ordered for the installation of locks with handle.

FOR THE FOLLOWING CABINETS: 40ENL - 55SUP.



Ref. 48461

Ref. 48482

Ref. 48525



Ref. 48565



INSTALLATION COMPONENTS

VARIOUS ACCESSORIES

Supports and levelling



Reference No.	Description	Maximum load	Dim. (mm)
			HEIGHT X WIDTH
48290	150 kg transport casters. (2 casters with brake + 2 without brake)	150 kg	92x44

CHARACTERISTICS: Maximum load 150 kg per caster. Height: Caster = 70 mm; Threaded bolt = M12x22.

SUPPLY: 4-wheel pack: 2 casters with brake + 2 casters without brake.

MATERIAL: Body: Polished aluminium alloy; Caster: Black polyamide; Threaded bolt: Yellow zinc chromate steel.



Reference No.	Description	Maximum load	Dim. (mm)
			HEIGHT X WIDTH
48300	Levelling feet (4-foot pack)	270 kg	51x50

CHARACTERISTICS: Maximum load 270 kg per foot. Height: Foot = 25 mm; Threaded bolt = 12x26 mm.

SUPPLY: 4-leg pack.

MATERIAL: Body in black ABS; Threaded bolt: Clear zinc chromate steel.



Reference No.	Description	Dim. (mm)
		HEIGHT
48115	M12 Lifting eyebolts (2-piece pack)	55

CHARACTERISTICS: Accessory for lifting cabinets. Pack supplied with all the screws required for installation.

SUPPLY: 2-piece pack.

MATERIAL: Galvanised steel.

Plan holder



Reference No.	Description	For family	Dim. (mm)
			HEIGHT X WIDTH X DEPTH
49386	600 mm metal plan holder	Argenta Plus	280x430x90
49387	800 mm metal plan holder	Argenta Plus	280x655x90
49388	DIN A4 metal plan holder for general applications	Argenta	221x242x28
49790	DIN A3 metal plan holder for general applications	Argenta	221x442x48
49385	DIN A4 insulating plan holder for general applications	Argenta	217x226x26

MATERIAL: RAL 7035 rolled steel; except Ref. 49385, manufactured in polystyrene.

CHARACTERISTICS: Installation screws not included. Ref. 49385 can be fitted either by adhesive or screws (not included).

Paints



Reference No.	Description
48292	RAL 7035 textured grey paint
48294	RAL 7016 textured grey anthracite paint
48343	RAL 9003 textured white paint

SUPPLY: 400 ml tin.

Module lids



Reference No.	Description
77590	Module lid RAL 7035 grey (6 modules)
77600	Module lid RAL 9003 white (6 modules)
48019	Module lid RAL 7035 grey (1 m)
48021	Module lid RAL 9003 white (1 m)

CHARACTERISTICS: Ref. 48019 and 48021 recommended for metal modular lids.

MATERIAL: 6-module lid in PS; 1-metre lid in PVC.

Trunking support kit



Reference No.	Description	For family
49366	Vertical trunking support + 600 mm DIN rail	Argenta Plus
49367	Vertical trunking support + 800 mm DIN rail	Argenta Plus

CHARACTERISTICS: Supports for mounting vertical distribution trunking. Housing for vertical trunking up to 60x60 mm. Vertical and horizontal trunking supports can be combined. Comprises supports plus plain DIN rail.

MATERIAL: Galvanised steel.

Reference No.	Description	For family
49368	Horizontal trunking support (2 pieces)	Argenta Plus Atlantic

CHARACTERISTICS: Supports for fixing cable-distribution trunking horizontally. Two horizontal trunking fixing positions for separation between 150 or 200 mm DIN rails. Vertical and horizontal trunking supports can be linked together.

SUPPLY: Pack of 2 supports plus fixing screws.

MATERIAL: ABS RAL 7035.

Reference No.	Description	For family
48243	Vertical trunking support (6-piece pack)	Atlantic Plus

CHARACTERISTICS: Supports for fixing cable-distribution trunking vertically. Housing for vertical trunking up to 60x60 mm. Vertical and horizontal trunking supports can be linked together.

SUPPLY: Pack of 6 supports plus fixing screws.

MATERIAL: Galvanised steel.

High voltage label



Reference No.	Description	Dimensions (mm)
49390	High voltage adhesive label	105x105

Door accessories



Reference No.	Description
48380	Door retainer for Argenta series >250 - L=130
48383	Door retainer for Argenta INOX series - L=130
48466	Door retainer for Argenta Plus series - L=230

CHARACTERISTICS: Ref. 48380 and 48383 for Argenta cabinets wider than 250 mm. Ref. 48466 for Argenta Plus cabinets.

It stops the door when it reaches the end of its path. It is not compatible with an inner door or chassis assembly.

Reference No.	Description
48462	End of stroke switch

CHARACTERISTICS: NC contact. Extendible from 122.5 to 165.5. It is not compatible with a chassis or inner door assembly.

INSTALLATION COMPONENTS

Steel cabinets and enclosures accessories

Earthing



Reference No.	Description	Dimensions
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48452	M5 earth kit (20 connectors)	12x4x1000
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CHARACTERISTICS: Length: 1000 mm - Thickness: 4 mm - Thread: M5; Distance between holes: 18 mm.

Includes: Busbar support 12x4 (2 pieces), busbar connectors 12x4 (20 pieces); Connector without drill hole 35 mm².

Reference No.	Description	Dimensions			Section	I
		LENGTH X WIDTH	THICKNESS	Ø		
48437	Flat earth 150 mm	150x13	1.1	6.5	6	40
48440	Flat earth 200 mm	200x15	1.5	8.5	16	120

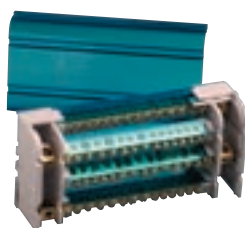
CHARACTERISTICS: Recommended by the EMC directives. 99.9% pure copper braids.

Use the recommended bolt diameter:

Hole Ø 6.5 mm = M6 Bolt.

Hole Ø 8.5 mm = M8 Bolt.

Distribution blocks



Ref.	Nominal rating (A)	Poles	Terminals for busbar		Dimensions H X W X D	Drill holes between Ui AC/ Icw KA centres			
			INPUT	OUTPUT		mm	DC (V)	rms	Ipk KÅ
48653	100/125	2	1xØ9.5	5xØ5.5 1xØ7.5	50x94x50	74	690	4.5	30
48654	100/125	2	1xØ9.5	11xØ5.5 3xØ7.5	50x162x50	142	690	4.5	25
48655	100/125	4	1xØ9.5	7xØ5.5 3xØ7.5	90x147x50	127	690	4.5	30
48656	100/125	4	1xØ9.5	11xØ5.5 1xØ7.5 2xØ8.5	90x182x50	162	690	4.5	21
48657	100/150	4	1xØ9.5	5xØ5.5 1xØ7.5 1xØ5.5	90x109x50	89	690	4.5	30
48658	100/160	4	1xØ12	7xØ7.2 3xØ8.5	90x175x50	160	690	8.2	35
48659	80/100	4	2xØ8.5	4xØ4.5 5xØ5.5	90x100x50	80	500	4.5	20

CHARACTERISTICS: Maximum ambient temperature 40 °C.

Protection: Screen with transparent cover.

Self-extinguishing V0.

Assembly on DIN profile or screw plate.

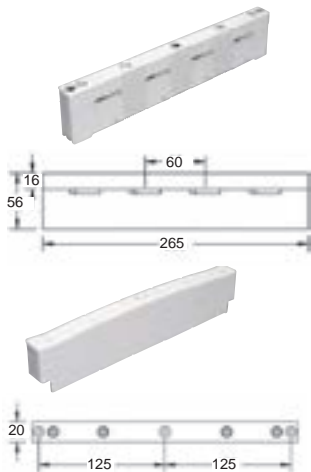
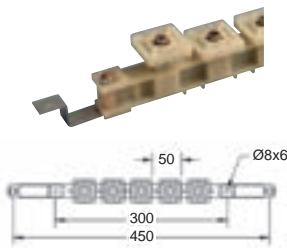
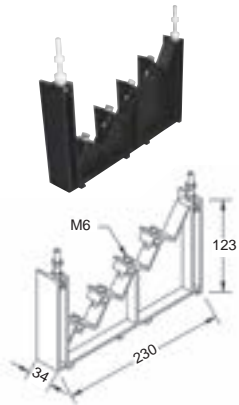
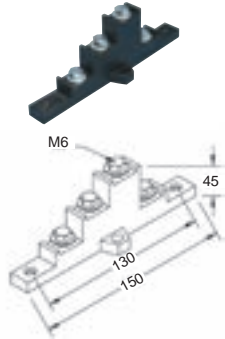
Input and output table for distribution blocks

	Section without terminal*	Section with terminal	Ø	I(N.m)
	mm ²	mm ²		
Input	10 → 25	10 → 25	8.5	2 → 3
Input	10 → 35	10 → 35	9.5	6 → 7
Input	10 → 50	10 → 50	12	8 → 10
Output	1.5 → 4	0.75 → 4	4.5	1.2 → 1.5
Output	2.5 → 6	1.5 → 6	5.5	2 → 3
Output	2.5 → 16	1.5 → 16	7.2	2 → 3
Output	10 → 25	6 → 16	7.5	2 → 3
Output	10 → 35	10 → 25	8.5	2 → 3

* Rigid cable.

BUSBAR SUPPORTS

Busbar supports



Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		[V]	[°C]
48453	160A-250A busbar support profile	630/630	40 °C/+130 °C

CHARACTERISTICS: For threaded busbars. It is assembled with M6 screws (included).
Protection screen: direct mounting using spacers and caps.
Halogen-free plastic parts.

Voltage	Current	Busbar section (mm)	Maximum distance between busbar supports l _{cw} kA eff. 1 s./l _{pk} kA		
			6,5/11	8/14	12/24
0 to 1000 V	160A	15 x 5	550	447	253
	250A	20 x 5	635	516	261

Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		[V]	[°C]
48800	160A-630A busbar support for auxiliary module	1000/1500	-40 °C/+130 °C

CHARACTERISTICS: For threaded busbars. Mounted on DIN rail or bottom plate. Two units are needed for busbar assembly.
Protection screen: direct mounting using spacers and caps.
Halogen-free plastic parts.

Voltage	Current	Busbar section (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 to 1000 V	160A	15 x 5	696	565	320	102
	250A	20 x 5	804	653	370	102
	400A	32 x 5	1000	826	418	102
	400A	20 x 10	1000	1000	418	102
	630A	30 x 10	1000	1000	418	102

Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		[V]	[°C]
48454	160A-400A bottom busbar support	1000/1500	-40 °C/+130 °C

CHARACTERISTICS: Distance between axes or phases: 50 mm.
Plastic pin to install the busbar.
A spacer can be used and an earth bar fitted to the right or left.
Halogen-free plastic parts.

Voltage	Current	Busbar section (mm)	Maximum distance between busbar supports l _{pk} kA / l _{cc} rms kA 1s			
			11/6,5	14/8	48/23	63/30
0 to 1000 V	160A	15 x 5	450	450	-	105
	250A	20 x 5	450	450	-	105
	400A	32 x 5	450	450	-	105

Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		[V]	[°C]
48686	Horizontal busbar support TN 160A-630A	1000/1500	-15 °C/130 °C
48687	TN Horizontal busbar support cover	-	-

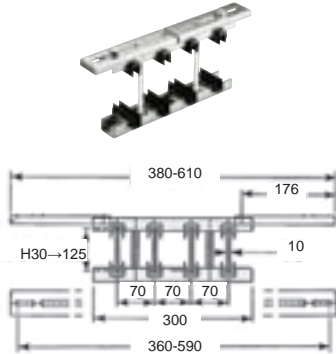
CHARACTERISTICS: Two units of each reference are needed for busbar assembly.
Distance between axes or phases: 60 mm. Triple phase + neutral.
Halogen-free plastic materials and galvanised steel threaded screws.

Busbar section	Maximum distance between busbar supports l _{pk} kA l _{cc} ms kA 1s					
	11/6,5	14/8,2	24/12	48/22	63/30	70/33
l _{cc} eff. in kA			10 mm			
15x5	747	716	611	358	200	-
20x5	882	841	706	382	179	-
25x5	873	831	690	352	141	-
30x5	1000	1000	890	530	305	-
15x10	839	799	668	352	155	-
20x10	893	853	720	400	200	107
30x10	1000	1000	890	530	305	200

INSTALLATION COMPONENTS

Steel cabinets and enclosures accessories

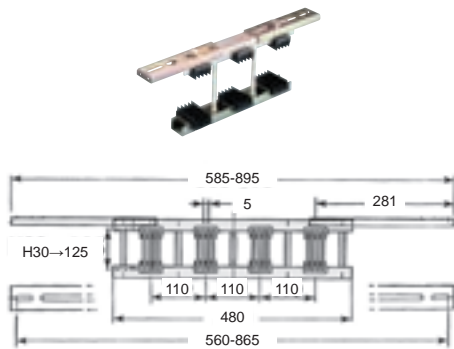
Busbar supports



Reference No.	Description	Maximum rated voltage U_i AC/DC	Operating temperature
		[V]	[°C]
48685	Busbar support 1/10 TN 2250A	1000/1500	-40 °C/130 °C

CHARACTERISTICS: Distance between mounting centre on sides: 25 mm. Distance between mounting centres is adjustable.
Galvanised sheet steel reinforced with 2.5 mm of zinc. Zinc-plated screws, nuts and washers.
Three phases + neutral. 10 mm busbars, one per phase.
Halogen-free insulating parts.

Busbar section	Maximum distance between busbar supports - I_{pk} kA									
	Icc rms KA 1s									
Icc. eff. in kA	12/24	23/48	30/63	39/82	52/114	66/145	69/152	75/165	85/187	95/209
	▶◀ 10 mm									
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
120	1000	1000	914	656	336	208	190	161	125	100

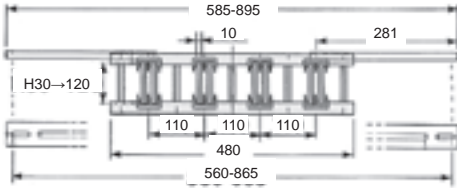


Reference No.	Description	Maximum rated voltage U_i AC/DC	Operating temperature
		[V]	[°C]
48680	Busbar support 4/5 TN 3500A	1000/1500	-40 °C/+130 °C

CHARACTERISTICS: Distance between mounting centre: 25 mm. Distance between mounting centres is adjustable.
Galvanised sheet steel reinforced with 2.5 mm of zinc. Zinc-plated screws, nuts and washers.
Three phases (4/5 T) - Three phases + neutral (4/5 TN). Four 5-mm busbars, one per phase.
Halogen-free insulating parts.

Busbar section	Maximum distance between busbar supports - I_{cw} kA eff. 1 s./ I_{pk} kA										
	Icc. eff. in kA										
Icc. 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
	▶◀ 5 mm										
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	*
	▶◀ 5 mm										
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
	▶◀ 5 mm										
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
	▶◀ 5 mm										
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

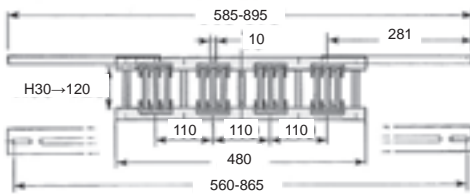
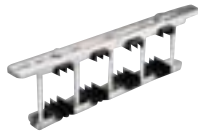
Busbar supports



Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		(V)	(°C)
48681	Busbar support 2/10 TN 3600A	1000/1500	-40 °C/130 °C

CHARACTERISTICS: Distance between mounting centre: 25 mm. Distance between mounting centres is adjustable.
Galvanised sheet steel reinforced with 2.5 mm of zinc. Zinc-plated screws, nuts and washers.
Three phases + neutral. 10 mm busbars, one per phase.
Halogen-free insulating parts.

Busbar section	Maximum distance between busbar supports - I _{cc} kA eff. 1 s./I _{pk} kA											
	I _{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
▶◀ ← 10 mm												
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	
120	1000	1000	1000	881	631	410	375	317	247	197	161	
▶◀ ← 10 mm												
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	
120	1000	1000	1000	1000	892	601	550	466	362	290	237	



Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		(V)	(°C)
48688	Busbar support 3/10 TN 4500A	1000/1500	-40 °C/130 °C

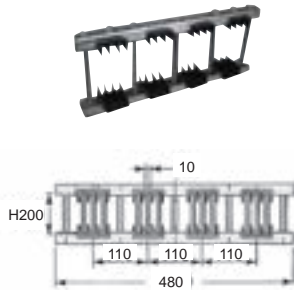
CHARACTERISTICS: Distance between mounting centre: 25 mm. Distance between mounting centres is adjustable.
Galvanised sheet steel reinforced with 2.5 mm of zinc. M10 screws in halogen-free reinforced polyamide.
Three phases + neutral. 10 mm busbars, one per phase.
Halogen-free insulating parts.

Busbar section	Maximum distance between busbar supports I _{pk} kA I _{cc} ms KA 1s											
	I _{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
▶◀ ← 10 mm												
30	1000	747	572	440	315	248	237	218	192	172	155	
40	1000	863	661	508	364	286	274	252	222	199	172	
50	1000	965	739	568	407	320	306	282	248	210	172	
63	1000	1000	810	623	446	351	336	309	263	210	172	
80	1000	1000	935	719	515	405	388	338	263	210	172	
100	1000	1000	1000	804	576	437	400	338	263	210	172	
120	1000	1000	1000	881	631	437	400	338	263	210	172	
▶◀ ← 10 mm												
30	1000	1000	810	623	446	351	336	309	272	243	205	
40	1000	1000	935	719	515	405	388	357	313	250	205	
50	1000	1000	1000	804	576	453	433	399	313	250	205	
63	1000	1000	1000	881	631	497	475	402	313	250	205	
80	1000	1000	1000	1000	728	519	475	402	313	250	205	
100	1000	1000	1000	1000	814	519	475	402	313	250	205	
120	1000	1000	1000	1000	837	519	475	402	313	250	205	
▶◀ ← 10 mm												
30	1000	1000	992	763	546	430	411	378	313	250	205	
40	1000	1000	1000	881	631	497	475	402	313	250	205	
50	1000	1000	1000	985	705	519	475	402	313	250	205	
63	1000	1000	1000	1000	772	519	475	402	313	250	205	
80	1000	1000	1000	1000	837	519	475	402	313	250	205	
100	1000	1000	1000	1000	837	519	475	402	313	250	205	
120	1000	1000	1000	1000	837	519	475	402	313	250	205	

INSTALLATION COMPONENTS

Steel cabinets and enclosures accessories

Busbar supports



Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		[V]	[°C]
48689	Busbar support 3/10 TN 200 7400A	1000/1500	-40 °C/130 °C

CHARACTERISTICS: Distance between mounting centre: 25 mm. Distance between mounting centres is adjustable.
Galvanised sheet steel reinforced with 2.5 mm of zinc. 5xM10 stainless steel screws.
Three phases + neutral. 10 mm busbars, one per phase.
Halogen-free insulating parts.

Busbar section I _{cc} eff. in kA	Maximum distance between busbar supports I _{pk} KA I _{cc} ms KA 1s										
	12/24	23/48	30/63	39/82	52/114	66/145	69/152	75/165	85/187	95/209	105/231
	▶◀ 10 mm										
200	1000	1000	1000	1000	705	437	400	338	263	210	172
	▶◀ 10 mm										
200	1000	1000	1000	1000	837	519	475	402	313	250	205
	▶◀ 10 mm										
200	1000	1000	1000	1000	837	519	475	402	313	250	205

COPPER BARS

Copper bars



Ref.	Description	Bar dimensions			Hole dimensions		
		[mm]			Ø	Ø Oblong [mm]	
48791	Flat copper bar	12	4	2000	-	-	-
48792	Threaded copper bar	12	4	2000	M5	-	18
48793	Threaded copper bar	15	5	1000	M6	8x12	25
48794	Threaded copper bar	20	5	1000	M6	10x14	25
48795	Threaded copper bar	32	5	2000	M6	12x16	17.5

CHARACTERISTICS: Cu-ETP (Cu/A1) electrolytic copper compliant with the NF EN 13601 standard.

99.9% copper purity.

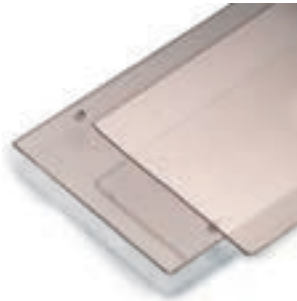
Average maximum elongation 12%.

Rounded corners to facilitate installation.

Rated power: For ambient temperature measured inside the control panel of 35 °C.

Bar cross section [mm]	Length of bar [mm]	Type	Distance between holes [mm]	Rated 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

Protection screen



Ref.	Description	Bar dimensions (mm)		
		LENGTH	WIDTH	THICKNESS
48421	Protection screen	1000	500	3

CHARACTERISTICS: Protection screen for profile busbars.
MATERIAL: Methacrylate.

Connectors



Reference No.	Description
48644	12x4 bar support

CHARACTERISTICS: For 12x4 mm bars - M4 clip.
MATERIAL: Shiny galvanised steel.



Reference No.	Description
48283	5-50 mm² pin connector



Reference No.	Description
48645	12x4 bar connector

CHARACTERISTICS: For 12x4 mm threaded bars - M5 screws.
 Cables: Minimum section 1 mm² - maximum section 6 mm².
MATERIAL: Galvanised steel.



Reference No.	Description
48646	16-35 mm² earth connector

CHARACTERISTICS: For 12x4 / 12x5 flat bars.
 16 mm² flexible cable - 35 mm² rigid cable.
MATERIAL: Galvanised steel.



Reference No.	Description
48647	16-50 mm² connector for connection without drill holes

CHARACTERISTICS: Connections without drill holes for 5 mm-thick bars.
CABLE: 16 to 50 mm² cross section or ERIFLEX® 9-mm-wide flexibar.
 The length from 16 to 50 mm², with the cable stripped, should be at least 40 mm.
MATERIAL: Galvanised steel.



Reference No.	Description
48651	50x75 sloping support

CHARACTERISTICS: Distance between holes 60 mm - angle 55° - thickness 1.5 mm.
MATERIAL: DC01 iron with white zinc-plated finish.

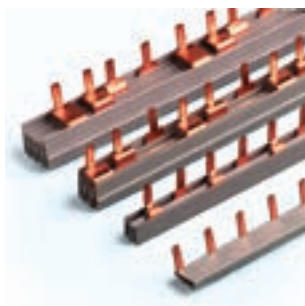


Reference No.	Description
48652	40x75 angled

INSTALLATION COMPONENTS

Steel cabinets and enclosures accessories

Connecting combs



Reference No.	Description
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 three-pole comb
48263	FORK-type 63A three-pole comb
48264	PIN-type 80A three-pole comb
48265	FORK-type 80A three-pole comb
48268	PIN-type 63A four-pole comb
48269	FORK-type 63A four-pole comb
48270	PIN-type 80A four-pole comb
48271	FORK-type 80A four-pole comb
48274	Final comb 2x63-2x80-3x63-3x80
48275	Final comb 4x63-4x80

CHARACTERISTICS: Flat copper bars. Bar length: 1m.
Impulse withstand voltage: ≥ 4.5 kV.
Maximum rated voltage: 690/1000 V AC/DC.

DIN Profiles



Reference No.	Description	Rail	No. of bars	Bar length (mm)
48783	DIN profile symmetrical and PLAIN 35x15	TH 35x15 - 3000	5	425
48784	DIN profile symmetrical and PLAIN 35x15	TH 35x15 - 3000	5	625
48785	DIN profile symmetrical and plain 35x7.5	TS 35	1	2000
48786	DIN profile symmetrical and PLAIN 35x15	TS 35/C	1	2000
48787	DIN profile symmetrical and GROOVED 35x7.55	TS 35/F6	1	2000
48788	DIN profile symmetrical and GROOVED 35x15	TS 35/CF6	1	2000

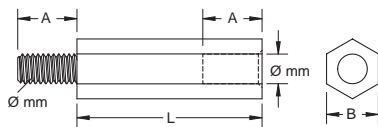
Spiral sleeve



Reference No.	Description	Ø Interior (mm)	Thickness (mm)
48286	6 mm spiral sleeve	6	1
48287	12 mm spiral sleeve	12	1
48288	16 mm spiral sleeve	16	1
48289	22 mm spiral sleeve	22	1.5

CHARACTERISTICS: Flame-retardant spiral sleeve that provides mechanical protection for the electric cables.
Black SPIRFLEX spiral. Halogen-free material.
Temperature range: -50 °C / $+85$ °C.
TOLERANCES: Internal diameter $+1$ mm / Thickness: $+0.2$ mm.

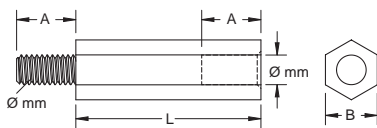
Spacers



Reference No.	Description	Dimensions (mm)			
		L	A	B	Ø
48671	15 mm insulated spacer	15	7-8	13	M6
48672	20 mm insulated spacer	20	7-8	13	M6
48673	30 mm insulated spacer	30	7-8	13	M6
48674	45 mm insulated spacer	45	7-8	13	M6

CHARACTERISTICS: Intended to secure protection screens, profiles or earth bars. Male/female hexagonal insulating spacers. Operating temperature up to 80 °C - Voltage 1000 V.

MATERIAL: Insulating parts in polystyrene and threaded end in galvanised steel.



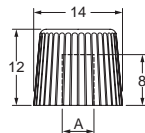
Reference No.	Description	Dimensions (mm)			
		L	A	B	Ø
48675	60 mm metal spacer	60	12	8	M6
48676	70 mm metal spacer	70	12	8	M6
48677	80 mm metal spacer	80	12	8	M6
48678	90 mm metal spacer	90	12	8	M6
48679	100 mm metal spacer	100	12	8	M6

CHARACTERISTICS: Intended to secure protection screens, profiles or earth bars. Male/female hexagonal metal spacers.

MATERIAL: Made of galvanised steel.



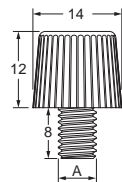
Ref. 48531



Reference No.	Description
48531	Countersunk washer D=6



Ref. 48669



Reference No.	Description
48669	M6 insulating nut
48670	M6 insulated cap



Ref. 48670

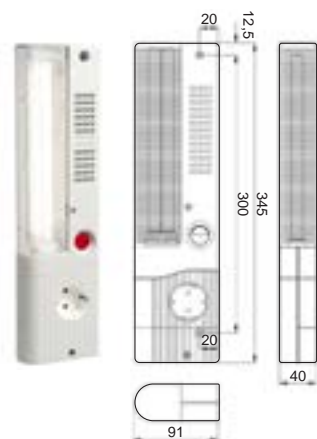
CHARACTERISTICS: For installation in protection screens. DHM M4-M5-M6 / DH M5-M6. Working temperature up to 80 °C.

MATERIAL: Insulating parts in polystyrene.

INSTALLATION COMPONENTS

Steel cabinets and enclosures accessories

Lamps



Ref.	AC Voltage	Rated current	Luminosity	Light intensity	Dimensions (mm)	Type of power socket
	V	A	Lm	W		
48296	230 50/60 Hz	16	900	75	345x91x40	Schuko
48297	230 50/60 Hz	16	900	75	345x91x40	French
48298	230 50/60 Hz	10	900	75	345x91x40	Swiss
48299	230 50/60 Hz	13	900	75	345x91x40	English

CHARACTERISTICS: Useful life: 10,000 hours.
 Mounting: with M5 screws; 300 mm between magnetic fixing centres (optional).
 Mounting position: Narrow side/wide side.
 Light on/off switch.
 IP20 protection.

Ventilation louvres



Reference No.	Dimensions (mm)	Position between screws	Installation cut out	Degree of protection
49330	180x130	170x115	145x95	IP30
49331	105x154	90x139	75x70	IP30
49332	130x250	115x235	90x180	IP30
49335	167x105	152x90	130x70	IP30
49336	167x105	152x90	130x70	IP33

CHARACTERISTICS: RAL 7035 made of cold-rolled steel.
 Ref. 49336 includes rubber gasket.
SUPPLY: 2-piece pack.

Filter grilles



Reference No.	For fan with external dimensions (mm)	Installation cut-out (mm)	For fan reference
49337	150x150	125x125	49344-49346
49640	204x204	177x177	49648-49649
49338	250x250	225x225	49345-49347-49650
49339	320x320	291x302	49342-49343

CHARACTERISTICS: IP54 degree of protection. They include a filter.

Filter mesh



Reference No.	For fan with external dimensions (mm)	Installation cut out (mm)	For fan reference
48301	150x150	125x125	49344-49346
48305	204x204	177x177	49648-49649
48302	250x250	225x225	49345-49347-49650
48303	320x320	291x302	49342-49343

CHARACTERISTICS: IP54 degree of protection.
SUPPLY: 10-piece pack.

FANS

Filter fans

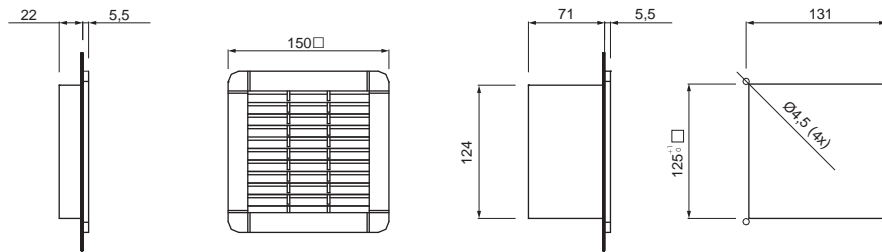
Ref.	Rated voltage	Free air flow	Flow rate with filter	Noise level	Absorbed power	External dimensions	Wall thickness up to 2 mm	Operating temperature	Flow direction	Reversible
	V	m ³ /h	m ³ /h	DBA	W			°C		
49344	230 V AC	55 (60)	40 (45)	43 (49)	22	150x150x77	125x125	-10/+70	outwards in	YES
49346	24 V DC	55	40	45	9	150x150x77	125x125	-10/+70	outwards in	YES



CHARACTERISTICS: 100% work cycle.
IP54/Class I degree of protection.

MATERIAL: ABS UL94V-0 RAL 7035.
Includes grille and filter mesh.

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.



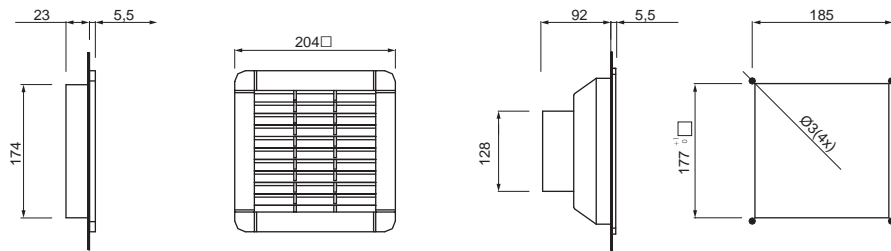
Ref.	Rated voltage	Free air flow	Flow rate with filter	Noise level	Absorbed power	External dimensions	Wall thickness up to 2 mm	Operating temperature	Flow direction	Reversible
	V	m ³ /h	m ³ /h	DBA	W			°C		
49648	230 V AC	110 (120)	80 (95)	43 (49)	24 (23)	204x204x98	177x177	-10/+70	outwards in	YES
49649	24 V DC	110	80	45	9	204x204x98	177x177	-10/+70	outwards in	YES



CHARACTERISTICS: 100% work cycle.
IP54/Class I degree of protection.

MATERIAL: ABS UL94V-0 RAL 7035.
Includes grille and filter mesh.

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.



INSTALLATION COMPONENTS

Steel cabinets and enclosures accessories

Filter fans

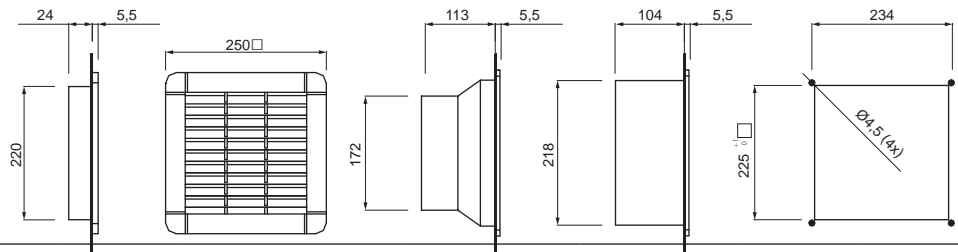
Ref.	Rated voltage	Free air flow	Flow rate with filter	Noise level	Absorbed power	External dimensions	Wall thickness up to 2 mm	Operating temperature	Flow direction	Reversible
	V	m ³ /h	m ³ /h	DBA	W			°C		
49345	230 V AC	230 (260)	180 (210)	53 (58)	40 (38)	250x250x119	225x225	-10/+70	outwards in	YES
49347	24 V DC	230	180	61	26	250x250x119	225x225	-10/+70	outwards in	YES
49650	230 V AC	370 (400)	250 (270)	65 (68)	70 (90)	250x250x110	225x225	-10/+70	outwards in	NO



CHARACTERISTICS: 100% work cycle.
IP54/Class I degree of protection.

MATERIAL: ABS UL94V-0 RAL 7035.
Includes grille and filter mesh.

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

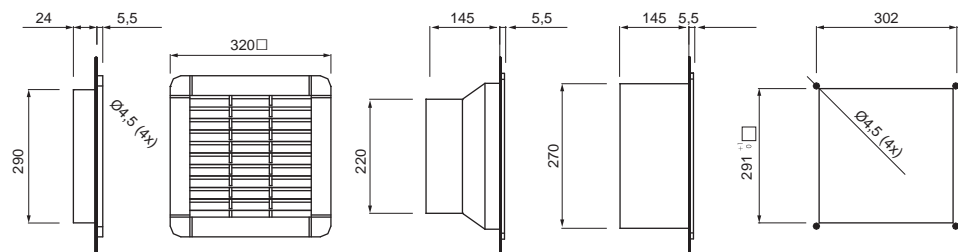


Ref.	Rated voltage	Free air flow	Flow rate with filter	Noise level	Absorbed power	External dimensions	Wall thickness up to 2 mm	Operating temperature	Flow direction	Reversible
	V	m ³ /h	m ³ /h	DBA	W			°C		
49342	230 V AC	500 (570)	370 (410)	65 (68)	70 (90)	320x320x151	291x291	-10/+70	outwards in	NO
49343	230 V AC	630 (700)	470 (520)	72 (73)	130 (180)	320x320x151	291x291	-10/+70	outwards in	NO



CHARACTERISTICS: 100% work cycle.
IP54/Class I degree of protection.

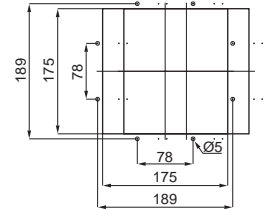
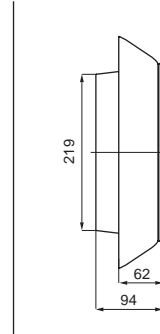
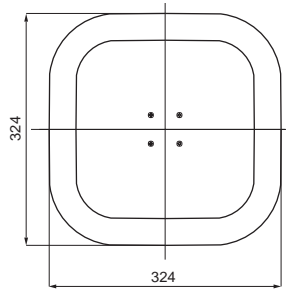
MATERIAL: ABS UL94V-0 RAL 7035.
Includes grille and filter mesh.



Ceiling fans

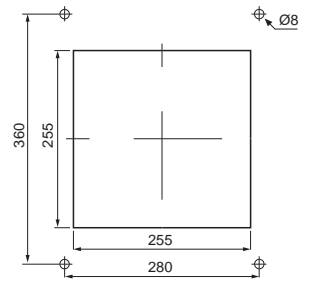
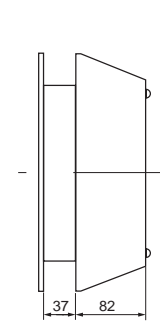
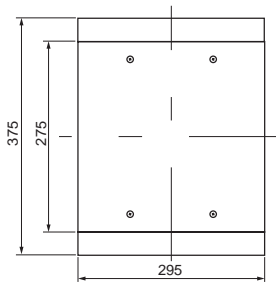
Ref.	Rated voltage V	Rated current mA	Free air flow m³/h*	Noise level DBA	Rated power W	External dimensions (mm)	Cut dimension (mm)	Operating temp. °C
48308	230 V AC 50/60 Hz	341/340	451/479	59/61	78/82	324x324x94	175x175	-10/+60

CHARACTERISTICS: * Degree of variation: 10%.
Extractor / No reversible.
IP54 degree of protection.
RAL 7035 colour.



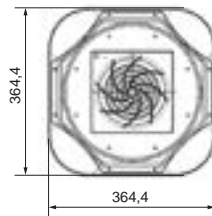
Ref.	Rated voltage V	Rated current mA	Free air flow m³/h*	Noise level DBA	Rated power W	External dimensions (mm)	Cut dimension (mm)	Operating temp. °C
48309	230 V AC 50/60 Hz	290/340	468/502	59/61	62/78	375x295x119	255x255	-20/+60
48310	230 V AC 50/60 Hz	690/930	680/723	70/71	158/213	375x295x119	255x255	-20/+60

CHARACTERISTICS: * 15% degree of variation.
Extractor / No reversible.
IP54 degree of protection.
RAL 7035 colour.



Ref.	Rated voltage V	Rated current mA	Free air flow m³/h*	Noise level DBA	Rated power W	External dimensions (mm)	Cut dimension (mm)	Operating temp. °C
48311	230 V AC 50/60 Hz	380/440	970	73	85/90	364.4x364.4x107.5	-	-20/+60

CHARACTERISTICS: * 15% degree of variation.
Extractor / No reversible.
IP54 degree of protection.
RAL 7035 colour.

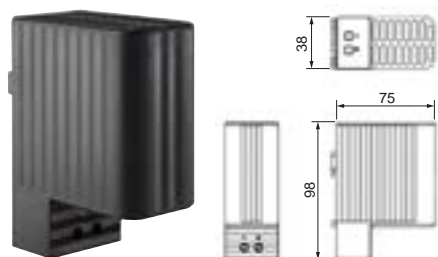


INSTALLATION COMPONENTS

Steel cabinets and enclosures accessories

HEATING

Semiconductor heat resistances



Ref.	Heating power AC/DC Voltage		Dimensions (mm)	Max. surface temp. °C	Temperature range °C
	W*	V**			
48314	10	120-240	98x38x75	<85	-45/+70
48315	20	120-240	98x38x75	<85	-45/+70

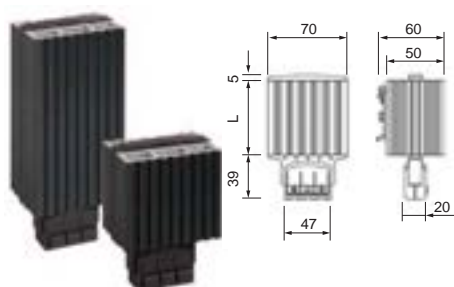
CHARACTERISTICS: Fixing: 35 mm DIN rail clip, EN60715.

Assembly position: Vertical air flow (air outlet upwards, connection at the bottom).

IP20 degree of production.

* +20 °C at ambient temperature.

** When the power supply is below 140 V, heating power is reduced by approximately 10%.



Ref.	Heating power AC/DC Voltage		Dimensions L (mm)	Max. surface temp. °C	Temperature range °C
	W*	V**			
48316	30	120-240	109x70x60	-	-45/+70
48318	60	120-240	184x70x60	-	-45/+70

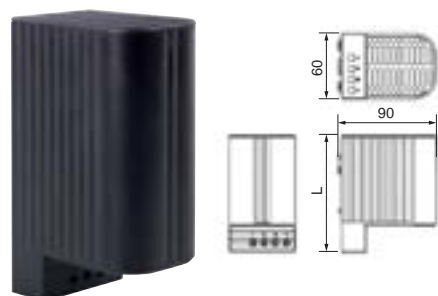
CHARACTERISTICS: Fixing: 35 mm DIN rail clip, EN60715.

Assembly position: Vertical air flow (air outlet upwards, connection at the bottom).

IP20 degree of production.

* +20 °C at ambient temperature.

** When the power supply is below 140 V, heating power is reduced by approximately 10%.



Ref.	Heating power W*	AC/DC Voltage V**	Dim. L (mm)	Output temp. °C***	Max. surface temp. °C	Temperature range °C
48319	100	120-240	110x60x90	120	<80	-45/+70
48320	150	120-240	150x60x90	145	<80	-45/+70

CHARACTERISTICS: Fixing: 35 mm DIN rail clip, EN60715.

Assembly position: Vertical air flow (air outlet upwards, connection at the bottom).

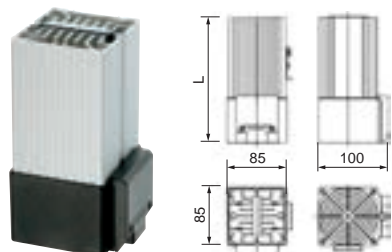
IP20 degree of production.

* Ambient temperature - see heating power.

** When the power supply is below 140 V, heating power is reduced by approximately 10%.

*** Measured 50 mm away from the protection grille.

Heat resistance with ventilation



Ref.	Heating power W	AC/DC Voltage V	Dimensions (mm)	Ball bearing axial fan		Temperature range °C
				Free air flow (m³/h)	Max. surface temp. °C	
48321	250	230 50/60 Hz	182x85x100	45 (50 Hz) / 54 (60 Hz)	75	-45/+70
48322	400	230 50/60 Hz	222x85x100	45 (50 Hz) / 54 (60 Hz)	75	-45/+70

CHARACTERISTICS: Fixing: 35 mm DIN rail clip, EN60715.

Assembly position: Vertical air flow (air outlet upwards).

IP20 degree of production.

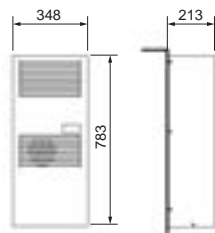
AIR CONDITIONERS

Surface and semi-flush-mounted air conditioners

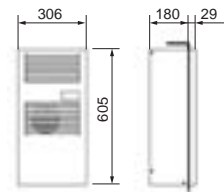
References	Cooling capacity	Power supply	Dimensions	Maximum current	Absorbed power	Ext. fan air flow	Int. fan air flow	Installation
	W	V-Hz	(mm)	A	W	m ³ /h	m ³ /h	
48331	680/820	230 - 50/60	783x348x213	2.6	440/490	570	330	Surface
48332	790/1000	230 - 50/60	783x348x213	3	570/650	570	330	Surface
48333	470/640	230 - 50/60	605x306x209	2.1	400/470	570	330	Semi-flush-mounted
48334	680/820	230 - 50/60	783x348x213	2.6	440/490	570	330	Semi-flush-mounted
48336	790/1000	230 - 50/60	783x348x213	3	570/650	570	330	Semi-flush-mounted



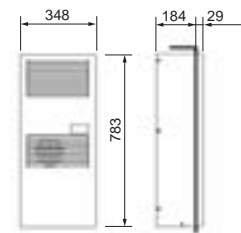
CHARACTERISTICS: Electrical connection: 4P plug.
 Maximum cooling circuit pressure: 25 bar.
 Degree of protection: IP55 cabinet side/IP34 outside.
 Noise level 65 dB (A).
 RAL 7035 colour, embossed.
 All models feature high-enthalpy anti-condensation system and hydrophilic treatment.



Surface-mounting
 Ref. 48331-48332



Semi-flush-mounting
 Ref. 48333



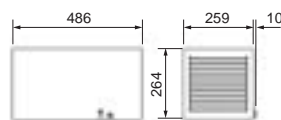
Semi-flush-mounting
 Ref. 48334-48336

Ceiling air conditioner

References	Cooling capacity	Power supply	Dimensions	Maximum current	Absorbed power	Ext. fan air flow	Int. fan air flow	Installation
	W	V-Hz	(mm)	A	W	m ³ /h	m ³ /h	
48341	240/410	230 - 50/60	264x259x486	1.5	270/315	330	235	Roof



CHARACTERISTICS: Electrical connection: 4P plug.
 Maximum cooling circuit pressure: 26 bar.
 Degree of protection: IP55 cabinet side/IP34 outside.
 Noise level 60 dB (A).
 RAL 7035 colour, embossed.

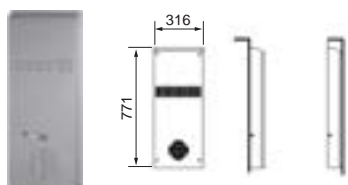


INSTALLATION COMPONENTS

Steel cabinets and enclosures accessories

Heat-air exchanger

References	Power supply	Maximum current	Absorbed power	Ext. fan air flow	Int. fan air flow	Dimensions	Temperature limits
	V-Hz	A	W	m ³ /h	m ³ /h	mm	°C
48360	230 - 50/60	0.64	140	570	570%	771x316x93	-5/+55



CHARACTERISTICS: Noise level 67 dB (A).
IP54 degree of protection.
RAL 7035 colour.

Devices



Ref.	Description	Dimensions (mm)	Water evacuation	Tightening torque (Nm)	Operating/storage temp. (°C)
48337	Pressure compensator	70x50x21	-	-	-

MATERIAL: Self-extinguishing ABS, RAL 7035.
INSTALLATION: By means of screws with rubber gasket.
IP45 degree of protection.



Ref.	Description	Dimensions (mm)	Water evacuation	Tightening torque (Nm)	Operating/storage temp. (°C)
48338	Pressure compensator	Ø 60x37	1200 l/h*	5 (10 max.)	35/70

MATERIAL: NBR sealing joint and impermeable membrane filter.
INSTALLATION: Drill a Ø 40.5 mm hole on the cabinet wall and assemble the device with the nut. Make sure that the sealing joint is in place on the outside part of the cabinet panel. For large enclosures, two or more devices must be installed on opposite sides and at the top.
IP66 degree of protection.
* At a minimum pressure of 70 mbar.



Ref.	Description	Dimensions (mm)	Water evacuation	Tightening torque (Nm)	Operating/storage temp. (°C)
48339	Water evacuator	Ø 60x49.5	200 ml/h*	6 max.	-45/70

MATERIAL: NBR sealing joint.
INSTALLATION: Drill a Ø 50.5 mm hole on the cabinet wall and assemble the device with the nut. Make sure that the sealing joint is in place on the outside of the cabinet. Vertical assembly on the bottom of the cabinet.
IP66/IP67 degree of protection.
* In a 5 mm water column.

CONTROLLERS

Thermostats

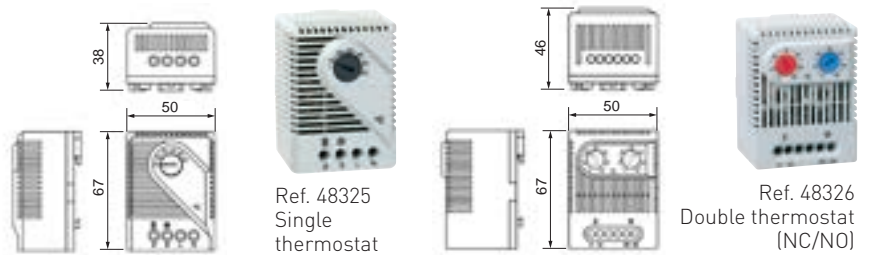
References	Description	Dim. (mm)	Max. power connection open contact	Max. power connection closed contact	Temperature control	Operating/ storage temp.	Operating/ storage humidity
					°C	°C	
48325	Single mechanical thermostat	67x50x38	AC250 V AC 120V, 10(4) A - DC 30 W	AC250 V AC 120V, 5(2)A - DC 30 W	+5 to /+60 °C	-45 °C/+65 °C	Max. 95% RH*
48326	Double mechanical thermostat	67x50x46	AC250 V, 10 (2)A - AC120 V, 15 (2)A - DC 30 W (DC 24 V to DC 72 V)		0 to /+60 °C	-45 °C/+80 °C	Max. 95% RH*

CHARACTERISTICS: Bimetallic thermostat.

Assembly: 35 mm DIN rail clip EN60715.

IP20 degree of protection.

* No condensation.



Hygrostats

References	Description	Dim. (mm)	Maximum connection power (relay output)	Operating/ storage temp.	RH control	Operating/ storage humidity
					°C	°C
48327	Electronic hygrostat	64,5x42x38	AC240 V, 8 (1.6)A - AC 120 V, 8 (1.6)A - DC 100 W AT DC 24 V	-	40 to 90%	Max. 95% RH*
48328	Electronic hygrotherm	77x60x43	AC 240 V, 10 (1.6)A - DC 60 V, 0.6 A	0 to /+60 °C	50 to 90%	Max. 95% RH*

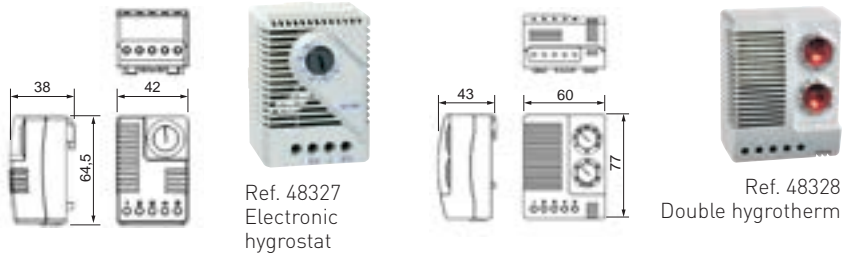
CHARACTERISTICS:

Fixing: 35 mm DIN rail clip EN60715.

Vertical assembly position.

IP20 degree of protection.


















* No condensation.



INSTALLATION COMPONENTS

Steel cabinets and enclosures accessories

Screws, nuts and bolts

	Reference No.	Description
	48429	M6 caged nuts - Front assembly
	48416	M6 caged nuts - Normal
	48435	M8 caged nuts - 3 mm wing
	48424	M6x19 Torx-trilobular countersunk screw
	48425	M6x12 Torx-trilobular panhead screw
	48468	M8x16 Allen screw
	48470	M12x20 Allen screw
	48476	M6x10 non-rotating screw. Hexagonal PH+R hardness 4.8
	48434	DIN 965 M6x20 screw
	48417	M8 non-rotating nuts
	48433	DIN 934 M6 nuts
	48418	3.5x13 clipping plug
	48428	5x11 detachable rivets
	48431	M4x7 Self-tapping sheet metal screws
	48432	DIN 7981 F 3.5x6.5 machined screws
	48512	Machined screw for cable entry cover
	48436	Plastic caps (flush-fit/surface doors)
	48438	Plastic cap (cabinets without door)
	48511	M5 reversible cap (Argenta door)
	48439	Turning bushes (flush-fit doors)





Electrical enclosures for the industrial,
tertiary and residential sectors

PLASTIC BOXES

PRYMA
STAR
SITE PANELS
ECOLOGY
COMBI
ORO
SILVER
HABITAT
DOMOS-K
DOMOS
LIGHT
VERDI
AMERICAN

IP
67

CE



IP67 Boxes for industrial sockets

The PRYMA series comprises a set of enclosures for surface installation, manufactured with halogen-free high-durability plastic materials intended to house power sockets or control and signalling elements.

They are intended for installation in places requiring power points for fixed machinery, portable tools or auxiliary electrical equipment.

Their sphere of application therefore includes industrial premises, workshops, warehouses, depot areas, building sites, etc., or any place requiring a high degree of protection and safety.



PRYMA Technical Specifications

- Degree of protection: IP67.
- Resistance to impact: IK08.
- Glow wire resistance: 650 °C.
- Ball pressure test: 70 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.

PRYMA Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1
(as applicable).

Watertight enclosures for the installation of industrial power sockets



Product series

- Surface enclosures with a capacity of 9, 13 and 26 modules with transparent window.

Material

- Halogen-free plastic materials.
- Body: ABS RAL 7035.
- Transparent window: PC tinted window, with UV protection.

Supply

- Supplied in individual cardboard packaging. When several items are sent together, they are bundled together with transparent film.
- The enclosure is supplied with the windows assembled on the cover and the hinges attached to the base, leaving the cover totally free for handling by the installer.
- The rails are supplied assembled to the base for the 9-module models. For the 13- and 26-module models they are supplied disassembled in a bag containing the rail, supports and screws.
- Accessory bag:
 - 11x13 plastic screws.
 - Grey module cover (6 modules).
 - Module identification strips.
 - Hermetic caps (Ref. No. 67TC13 and 67TC26).
 - Assembly instructions.

Intended for the industrial sector, where a high degree of safety and maximum protection are required

DIN rail attachment

- The rail can be attached to the enclosure in two different positions: to the base or to the cover.

Attachment of rail to cover:

- Types 67TC09, 67TC13 and 67TC26: two supports are screwed to the cover, and the DIN rail is then screwed onto the supports.

Attachment of rail to base:

- Type 67TC09: by pressing the rail gently into two grooved housings. These boxes are supplied with the rail assembled on the base.

- Types 67TC13 and 67TC26: two supports are screwed to the base and the DIN rail is then screwed onto the supports. The DIN rail can be placed at two different heights, offering the possibility of fitting elements from 53 mm to 70 mm for the first position and 92 mm for the second one. The boxes are supplied with the bag of accessories required for installation.



Base

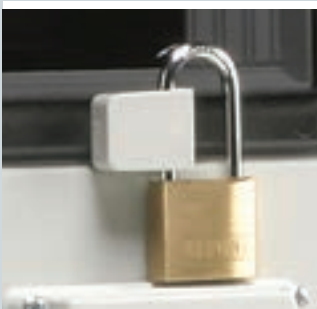
- It has four completely flat walls, permitting the installation of small elements such as pilot lights, pushbuttons, etc.
- The side walls have vertical ribs on the inside that provide rigidity to protect against possible deformation.
- The top and bottom sides are also flat, with three pre-marked points that can be used as a reference for inserting the trunking pipe.
- The bottom of the base is fitted with supports for attaching neutral and earth bars, as well as the housings for attaching the DIN rail.
- The base has raised lines with different housings for fixing mounting plates, rails, bars, etc.

Wall-mounting

- The 67TC09 type boxes are secured to the wall by means of screws placed in the locking screw housings on the enclosure.
- Types 67TC13 and 67TC26 are mounted directly from the housings located on the base for this purpose. These housings are covered with watertight caps (supplied in the accessories bag) to maintain the degree of protection and dielectric strength.

Frame

- The frame is used for placing the power sockets. It has a vertical blank area and another one with a 30° inclination to facilitate base installation and to prevent cable bundles from crossing.
- The frame perimeter has a sealing gasket to guarantee protection from dust and water.
- The inside of the frame has reinforcement ribs to guarantee the part's rigidity.
- The frame-base assembly is closed by means of 11×23 plastic pan-head and flat-tip screws (supplied in the accessory bag).
- The boxes can be sealed at two points.



Window

- Transparent tinted windows with UV protection.
- The window presses against the sealing gasket to guarantee the assembly's IP protection.
- The window opens vertically and is closed by means of two threaded screws.
- Possibility of support with padlock supplied as an accessory (Ref. 77670).

Frame-base hinge system

- This series has a frame-base hinge system that enhances manoeuvrability between both parts, guaranteeing an opening of 180°.
- The hinges' high resistance means that when the base is secured to the wall, the frame can be left hanging even if it has been totally installed with sockets or with equipment.
- The unit is assembled and disassembled by gently pressing on the ends of the part, which is symmetrical and reversible.



IP67 wall-mounted enclosures for power sockets

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHT	WIDTH	X	DEPTH	KG	
178P	1x9 DIN rail	284x222x122	1.21	13.2	16.5	19.8	23.1	26.4	67TC09
178M	1x9 DIN rail	369x222x130	1.38	16.9	21.1	25.4	29.6	33.8	67TC09M
1712GM	1x13 DIN rail	504x297x177	2.76	31.1	38.8	46.6	54.4	62.1	67TC13
1724GM	2x13(26) DIN rail	504x297x177	2.84	31.1	38.8	46.6	54.4	62.1	67TC26

HALOGEN-FREE PLASTIC MATERIALS

Frame and base in ABS RAL 7035 grey.
PC transparent window, tinted with UV protection.
IP67 - Surface.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

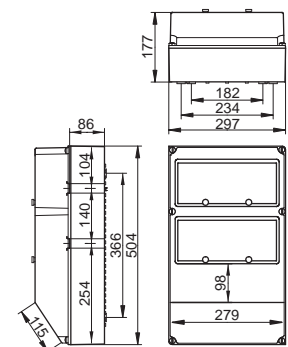
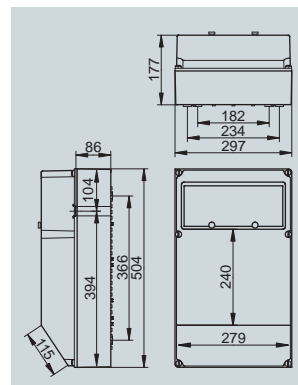
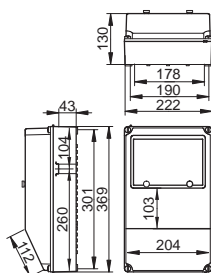
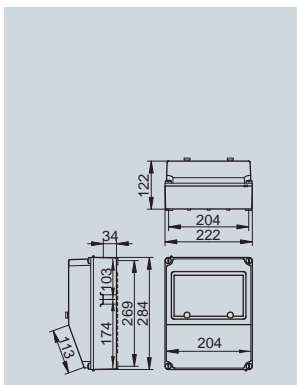


1x9 modules
178P

1x9 modules
178M

1x13 modules
1712GM

2x13 (26) modules
1724GM



IP67 wall-mounted enclosures for power sockets - with neutral and earth bars

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHTXWIDTHXDEPTH	KG	20	25	30	
178P/RR	1x9 DIN rail	284x222x122	1.30	13.2	16.5	19.8	23.1	26.4	67TC09
178M/RR	1x9 DIN rail	369x222x130	1.46	16.9	21.1	25.4	29.6	33.8	67TC09M
1712GM/RR	1x13 DIN rail	504x297x177	2.87	31.1	38.8	46.6	54.4	62.1	67TC13
1724GM/RR	2x13 (26) DIN rail	504x297x177	3.12	31.1	38.8	46.6	54.4	62.1	67TC26

HALOGEN-FREE PLASTIC MATERIALS

Frame and base in ABS RAL 7035 grey.

PC transparent window, tinted with UV protection.

IP67 - Surface.

/RR: With neutral and earth bars.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

They are intended for places requiring power points for fixed machinery, portable tools or auxiliary electrical equipment



Product series

- Surface enclosures with a capacity of 9, 13 and 26 modules with transparent window.
- With assembled and wired power sockets.
- With assembled and wired power sockets and protections.

Material

- Halogen-free plastic materials.
- Body: ABS RAL 7035.
- Transparent window: PC tinted window, with UV protection.

Supply

- It is supplied completely assembled according to the specifications of each reference, protected with shrink-wrapped plastic and placed in multiple cardboard packaging, depending on the number of units ordered.



Ample space for wiring the bases, performed according to the REBT.



The M32 and M40 cable entries permit safe connection between the different control lines.



The terminals permit connection between the different supply lines.

Assembled and wired wall-mounted enclosures

The IDE panels can be supplied with the power sockets and protections assembled and wired.

A series of standard assemblies is offered, although any assembly combination can be supplied depending on installation-specific requirements, as there is no minimum amount.

Wiring and cabling is performed according to the applicable product and installation regulations.

Power sockets are secured by means of stainless steel screws and an inner plastic nut, thus avoiding any contact between live parts.

The conductors used in the standard wiring are made of H07V-K-type flexible copper, with TI-1-type flame-retardant PVC coating according to the UNE 21031-3 standard.

The M32 and M40 cable entries permit a safe connection between the different control lines according to the requirements of each case.

The degree of protection will be set according to the element with least protection in the unit.

Cable section and standard colour code used in power sockets:

Base	Current (A)	L1	L2	L3	N	E
2P+side E	10 / 16	2.5	2.5			2.5
2P+E		2.5	2.5			2.5
3P+E	16	4	4	4		4
3P+N+E		4	4	4	4	4
2P+E	32	6	6			6
3P+E		6	6	6		6
3P+N+E		6	6	6	6	6
2P+E	63	16	16			16
3P+E		16	16	16		16
3P+N+E		16	16	16	16	16
2P+E	125	35	35			16
3P+E		35	35	35		16
3P+N+E		35	35	35	16	16

PRYMA COMPLET

Boxes for industrial sockets

Special assemblies



Plain boxes.



Boxes with assembled and wired power sockets.

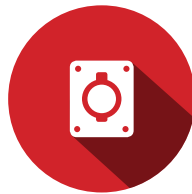


Boxes with assembled and wired power sockets and protections.

How to proceed



1. SELECT THE BOX.



2. CHOOSE THE POWER SOCKETS.



3. INDICATE THE REQUIRED PROTECTION.



4. SUBMIT ALL THE INFORMATION TO OUR TECHNICAL DEPARTMENT.

You can request a quotation and technical assessment at export@ide.es

Special assemblies with power sockets can be supplied in any combination, assembled and wired, with no minimum order quantity

Proposal of sockets for Pryma Compleat boxes

SCHUKO-TYPE FLUSH-FIT SOCKETS



REF.	Poles	I	IP
00102	2P+E	16A	44
00452	2P+E	16A	54
00105	2P+E	16A	67

IP44 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02301	2P+E	16A	200/250 V
03302	3P+E	16A	380/415 V
03303	3P+N+E	16A	200/415 V
02304	2P+E	32A	200/250 V
03305	3P+E	32A	380/415 V
03306	3P+N+E	32A	200/415 V

IP67 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02801	2P+E	16A	200/250 V
03802	3P+E	16A	380/415 V
03803	3P+N+E	16A	200/415 V
02804	2P+E	32A	200/250 V
03805	3P+E	32A	380/415 V
03806	3P+N+E	32A	200/415 V

Please see our full range of sockets and plugs (page 306).

Boxes with assembled and wired power sockets (without protections)



Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
V8PK2	1x9 DIN rail	1.34	2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 284x222x122 mm.
 TYPE: 67TC09 - IP44.



Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
V8PA2	1x9 DIN rail	1.55	1	Sloping flush-fit socket	44	3P+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	
V8PV2	1x9 DIN rail	1.60	1	Sloping flush-fit socket	44	3P+N+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 284x222x122 mm.
 TYPE: 67TC09 - IP44.



Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
V8PB2	1x9 DIN rail	1.62	1	Sloping flush-fit socket	44	3P+E	32	380	
			2	Schuko-type sockets	44	2P+E	16	220	
40018	1x9 DIN rail	1.88	1	Sloping flush-fit socket	44	3P+N+E	32	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 284x222x122 mm.
 TYPE: 67TC09 - IP44.

Any assembly combination can be supplied, with no minimum order quantity

PRYMA COMPLET

Boxes for industrial sockets

Boxes with assembled and wired power sockets (without protections)



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
V8MA2	1x9 DIN rail	2.42	1	Sloping flush-fit socket	44	3P+E	16	380
			1	Sloping flush-fit socket	44	3P+E	32	380
			2	Schuko-type sockets	44	2P+E	16	220
40128	1x9 DIN rail	2.28	1	Sloping flush-fit socket	44	3P+N+E	16	380
			1	Sloping flush-fit socket	44	3P+N+E	32	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 369x222x130 mm.
 TYPE: 67TC09M - IP44.



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
V8MC2	1x9 DIN rail	1.90	2	Sloping flush-fit sockets	44	3P+E	16	380
			2	Schuko-type sockets	44	2P+E	16	220
40123	1x9 DIN rail	1.90	2	Sloping flush-fit sockets	44	3P+N+E	16	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 369x222x130 mm.
 TYPE: 67TC09M - IP44.



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
V2GL2	1x13 DIN rail	4.86	3	Sloping flush-fit sockets	44	2P+E	16	220
			3	Sloping flush-fit sockets	44	3P+E	32	380

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 504x297x177 mm.
 TYPE: 67TC13 - IP44.

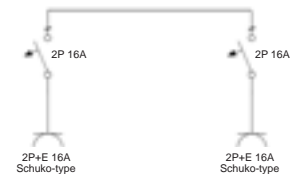


Boxes with assembled and wired power sockets (with protections)



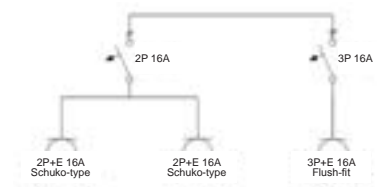
Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
V8PK2/P	1x9 DIN rail	1.34	2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 284x222x122 mm.
 TYPE: 67TC09 - IP44.



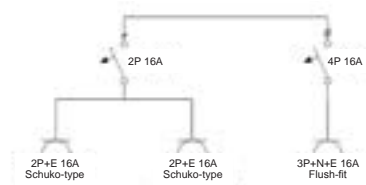
Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
V8PA2/P	1x9 DIN rail	2.57	1	Sloping flush-fit socket	44	3P+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 284x222x122 mm.
 TYPE: 67TC09 - IP44.



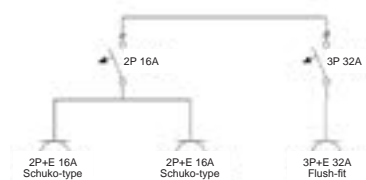
Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
V8PV2/P	1x9 DIN rail	2.65	1	Sloping flush-fit socket	44	3P+N+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 284x222x122 mm.
 TYPE: 67TC09 - IP44.



Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
V8PB2/P	1x9 DIN rail	2.65	1	Sloping flush-fit socket	44	3P+E	32	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 284x222x122 mm.
 TYPE: 67TC09 - IP44.



PRYMA COMPLET

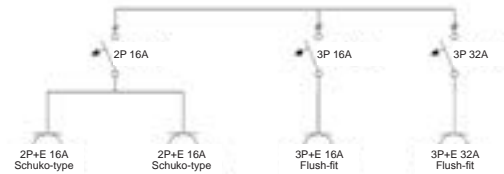
Boxes for industrial sockets

Boxes with assembled and wired power sockets (with protections)



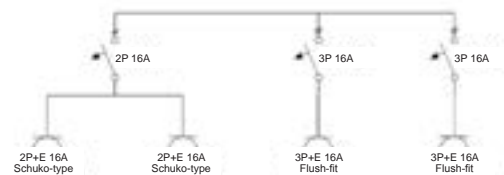
Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
			KG			(A) (V)		
V8MA2/P	1x9 DIN rail	3.75	1	Sloping flush-fit socket	44	3P+E	16	380
			1	Sloping flush-fit socket	44	3P+E	32	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 369x222x130 mm.
 TYPE: 67TC09M - IP44.



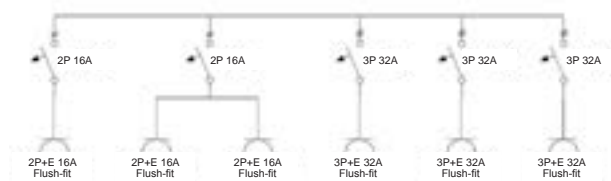
Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
			KG			(A) (V)		
V8MC2/P	1x9 DIN rail	3.75	2	Sloping flush-fit sockets	44	3P+E	16	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 369x222x130 mm.
 TYPE: 67TC09M - IP44.



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
			KG			(A) (V)		
V2GL2/P	1x13 DIN rail	6.62	3	Sloping flush-fit sockets	44	2P+E	16	220
			3	Sloping flush-fit sockets	44	3P+E	32	380

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 504x297x177 mm.
 TYPE: 67TC13 - IP44.



Panels with protections supplied with their certificate of conformity, description of the number of sockets, protections and single-line diagram, in accordance with the low voltage directive 2014/35/EU and standard UNE-EN 61439-1



PRYMA - PRYMA COMPLET Accessories



SUPPORT FOR PADLOCK.



BOX HANDLE FOR MOBILE INSTALLATIONS.



INSULATING BAR SUPPORT.



METAL SUPPORT (FOR ANY BOX SIZE).



CABLE GLAND AND CABLE GLAND NUT.

Neutral and earth bars

In some markets, the technical regulations governing installation require neutral and earth conductors to be connected to a common busbar. The base of these boxes has specific supports for this purpose. The neutral and earth bars will be screwed to these supports, which are supplied as an accessory.

They can be supplied pre-assembled by ordering the /RR references.

Neutral and earth bar structure

Type	Ref.	Terminal I		Terminal II		Cable section	
		N	E	N	E	NEUTRAL	EARTH
67TC09	92304	8+2	8+2	-	-	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)
67TC13	92301	12+2	12+2	-	-	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)
67TC26	92304	8+2	8+2	8+2	8+2	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)

PRYMA ACCESSORIES

IP67 Boxes for industrial sockets



Panels with protections are supplied with their certificate of conformity, description of the number of sockets, protections and single-line diagram, in accordance with the low voltage directive 2014/35/EU and UNE-EN 61439-1 standard.

PRYMA Accessories

Accessories and screws

Ref.

Box handle for mobile installations	92110
Frame fixing kit	94280
Support for padlock	77670
Metal support	48205
Rail support	77430
Grey module cover (6 modules)	77590
Hermetic caps	77650
2.9x16 screw for bar support	92620
Stainless steel screw (4x16)	94292
Plastic nut for power sockets	94293

Neutral and earth bars

Ref.

Insulating bar support	77530
Neutral and earth bar with 6 entries	92303
Neutral and earth bar with 10 entries	92304
Neutral and earth bar with 14 entries	92301

Bushings and cable glands

Ref.

M25 bushing	94273
M40 bushing	94274
M25 cable gland	92580
M32 cable gland	92582
M40 cable gland	92584
M25 cable gland nut	92581
M32 cable gland nut	92583
M40 cable gland nut	92585

Transparent windows

Ref.

9 modules	86020
13 modules	86040

IP
65

CE



IP65 Boxes for industrial sockets

The STAR series comprises a set of enclosures for surface installation manufactured with halogen-free high-durability plastic materials. They are intended for housing power sockets or control and signalling elements. They are intended for installation in places requiring power points for fixed machinery, portable tools or auxiliary electrical equipment. Their sphere of application therefore includes industrial premises, workshops, warehouses, depot areas, building sites, etc., or any place requiring a high degree of protection and safety.

Their design allows them to be installed jointly with junction boxes of the Ecology series in order to create large-sized power and distribution panels intended for indoor and outdoor settings, provided that the components fulfil the applicable legislation.



STAR Technical Specifications

- Degree of protection: IP65.
- Resistance to impact: IK08.
- Glow wire resistance: 650 °C.
- Ball pressure test: 70 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.

STAR Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1 (as applicable).

Intended for installation wherever a high degree of protection and safety is required

IP
65

CE



Product series

- Surface enclosures with a capacity of 4, 6, 8, 12, 18 and 24 modules with transparent window.

Material

- Halogen-free plastic materials.
- Body: ABS RAL 7035.
- Transparent window: PC tinted window, with UV protection.

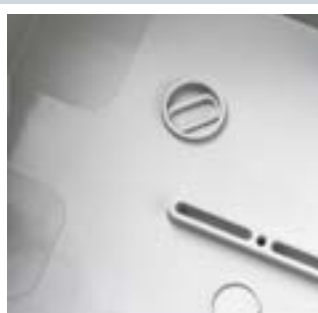
Supply

- Supplied in individual cardboard packaging. When several items are sent together, they are bundled together with transparent film.
- The enclosure is supplied with the windows assembled on the cover and the hinges attached to the base, leaving the cover totally free for handling by the installer. The rails are supplied assembled in all references.
- Accessory bag:
 - Base/cover screws.
 - Grey module cover (6 modules).
 - Module identification strips.
 - Hermetic caps.
 - Cover-base hinges (for boxes of 12 and 18 modules).
 - Assembly instructions.

Enclosures for surface installation, intended for housing power sockets or control and signalling elements

DIN rail attachment

- The DIN rail is attached to the base with 4x13 special screws for plastic.
- The rail is clipped and screwed for the 12 and 18 module models.
- The rails are supplied assembled in the bases.



Base

- The sides have marks to facilitate the positioning of the bushing for joining boxes.
- The top and bottom sides have knock-outs with the standard metric diameters so that they can be quickly removed with a screwdriver for cable and pipe entry.
- The bottom of the base is fitted with supports for attaching neutral and earth bars, as well as the housings for attaching the DIN rail.
- The base has raised lines with different housings for fixing mounting plates, rails, bars, etc.

Wall-mounting

- Wall-mounting is by means of four screws, directly from the housings located at the bottom of the base provided for this purpose.
- These housings are covered with hermetic caps (supplied in the accessories bag) to maintain the degree of protection and dielectric strength.

Frame

- The frame is used for placing the power sockets and has a blank vertical area. Frame size varies depending on sizes, and all types of sockets can be fitted.
- The frame perimeter has a sealing gasket to guarantee protection from dust and water.
- The geometry of the frame and its constituent elements give the part greater rigidity.
- The frame-base unit is closed by means of ¼-turn plastic screws for flat-headed screwdriver for boxes of 4, 6, 8 and 24 modules and with captive screws for boxes of 12 and 18 modules (supplied in the accessory bag).



Window

- Transparent tinted windows with UV protection.
- The window is covered with a sealing gasket to guarantee the assembly's IP protection.
- Reversible horizontal window opening.
- 4, 6, 8 and 24-module models: Handle with horizontal opening and ¼ turn lock.
- 12 and 18-module models: New-look lock with the IDE logotype with pressure-operated opening and closing.
- In both cases, the lock can be replaced with key locks or triangular locks (inserts supplied as accessories).

Frame-base hinge system

- This series has a frame-base hinge system that enhances manoeuvrability between both parts, guaranteeing both vertical and horizontal opening of 180°.
- For the 4, 6, 8 and 24-module models the hinges are horizontal (on both sides).
- For the 12 and 18-module models, the hinges can be vertical or horizontal (on both sides).
- The hinges' high resistance means that when the base is secured to the wall, the frame can be left hanging even if it has been totally installed with sockets or with equipment.
- The unit is assembled and disassembled by gently pressing on the ends of the part, which is symmetrical and reversible.



IP65 Boxes for industrial sockets

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHT	WIDTH	X	DEPTH	KG	
CS4PT	1x4 DIN rail	330x138x110	0.80	10.5	13.2	15.8	18.4	21.0	65TC04
CS6PT	1x6 DIN rail	400x176x110	1.21	14.3	17.9	21.5	25.1	28.7	65TC06
CS9PT	1x8 DIN rail	400x224x110	1.39	16.7	20.9	25.1	29.2	33.4	65TC08
CS12PT	1x12 DIN rail	436x310x147	1.97	24.1	30.1	36.1	42.1	48.2	65TC12
CS18PT	1x18 DIN rail	436x418x147	2.51	30.0	37.5	45.1	52.6	60.1	65TC18
CS26PT	2x12(24) DIN rail	550x295x148	2.75	30.4	38.0	45.7	53.3	60.9	65TC24

HALOGEN-FREE PLASTIC MATERIALS

Frame and base in ABS RAL 7035 grey.

PC transparent window, tinted with UV protection.

IP65 - Surface.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



**1x4 modules
CS4PT**

TOP: 2xM20/25/32
BOTTOM: 2xM20/25-1xM20/25/32



**1x6 modules
CS6PT**

TOP: 2xM16/20-2xM25/32-1xM32/40
BOTTOM: 2xM16/20-2xM25/32-1xM32/40



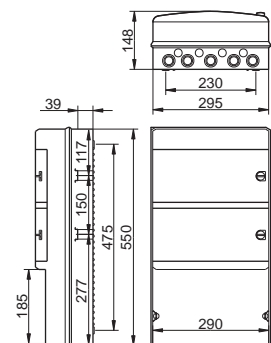
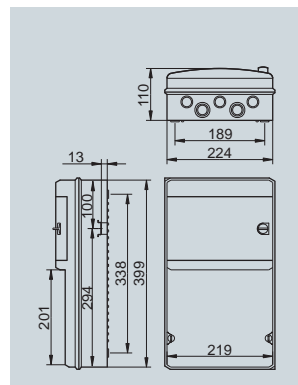
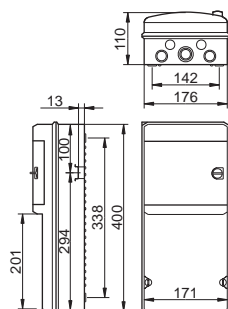
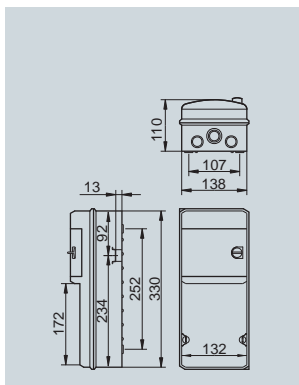
**1x8 modules
CS9PT**

TOP: 3xM20/25-2xM25/32
BOTTOM: 3xM20/25-2xM25/32



**2x12 (24) modules
CS26PT**

TOP: 4xM16/20-5xM25/32
BOTTOM: 4xM16/20-5xM25/32



IP65 Boxes for industrial sockets with neutral and earth bars

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				20	25	30	35	40	
		HEIGHT X WIDTH X DEPTH	KG						
CS4PT/RR	1x4 DIN rail	330x138x110	0.87	10.5	13.2	15.8	18.4	21.0	65TC04
CS6PT/RR	1x6 DIN rail	400x176x110	1.28	14.3	17.9	21.5	25.1	28.7	65TC06
CS9PT/RR	1x8 DIN rail	400x224x110	1.49	16.7	20.9	25.1	29.2	33.4	65TC08
CS12PT/RR	1x12 DIN rail	436x310x147	2.14	24.1	30.1	36.1	42.1	48.2	65TC12
CS18PT/RR	1x18 DIN rail	436x418x147	2.70	30.0	37.5	45.1	52.6	60.1	65TC18
CS26PT/RR	2x12(24) DIN rail	550x295x148	2.94	30.4	38.0	45.7	53.3	60.9	65TC24

HALOGEN-FREE PLASTIC MATERIALS

Frame and base in ABS RAL 7035 grey.

Transparent PC tinted window, with UV protection.

IP65 - Surface.

/RR: With neutral and earth bars.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

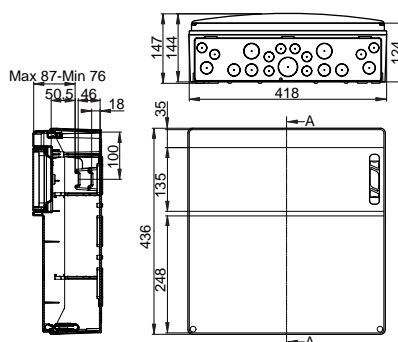
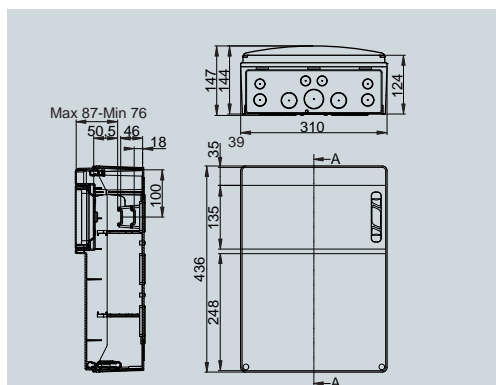


1x12 modules CS12PT

TOP: 8xM20-2xM25/32-1xM40
 BOTTOM: 4xM20-2xM25-2xM32-1xM40
 OBLONG REAR: 2xOB 25/32/25

1x18 modules CS18PT

TOP: 12xM20-6xM25-2xM32-1xM40
 BOTTOM: 10xM20-6xM25-2xM32-1xM40
 OBLONG REAR: 2xOB 25/32/25





Product series

- Surface enclosures with a capacity of 4, 6, 8, 12, 18 and 24 modules with transparent window.
- Wall-mounted enclosures with knock-out covers.

Material

- Halogen-free plastic materials.
- Body: ABS RAL 7035.
- Transparent window: PC tinted window, with UV protection.

Supply

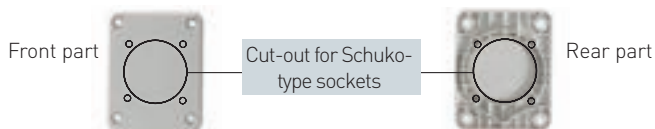
- Supplied in individual cardboard packaging. When several items are sent together, they are bundled together with transparent film.
- The enclosure is supplied with the windows assembled on the cover and the hinges attached to the base, leaving the cover totally free for handling by the installer. The rails are supplied assembled in all references.
- Plain covers supplied assembled in all references.
- Reference PCS12PT includes 4 16A covers (94271) and 4 Schuko covers (94272).
- Reference PCS18PT includes 6 16A covers (94271) and 6 Schuko covers (94272).
- Accessory bag:
 - Base/cover screws.
 - Grey module cover (6 modules).
 - Module identification strips.
 - Hermetic caps.
 - Cover-base hinges (for boxes of 12 and 18 modules).
 - Assembly instructions.

Watertight enclosures for the installation of industrial power sockets

Knock-out covers (for boxes of 4, 6, 8 and 24 modules)

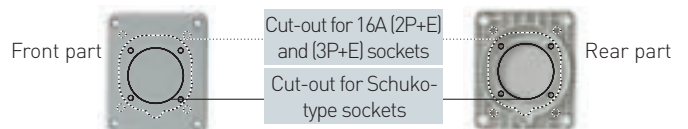
Covers supplied assembled on the box.

Ref. 94290 * 66x83 mm covers.



The cover can be replaced by 16A (2P+E) and (3P+E) sockets. The knock-outs at the rear permit the installation of Schuko 16A - IP44 type sockets.

Ref. 94291 * 80x96 mm covers.



The cover can be replaced by 16A (3P+N+E) and 32A sockets. The knock-outs at the rear permit the installation of Schuko-type sockets and 16A (2P+E) and (3P+E) power sockets.

* Covers only valid for IP44 sockets.

STAR KNOCK-OUT

IP65 Boxes for industrial sockets with knock-out lids

Knock-out lids (for boxes of 12 and 18 modules)

Reference No.	Description	Bases	Current (A)	Poles	IP
94270	Plain covers: Supplied assembled Remove the cover in order to install sockets	Flush-fit	16	3P+N+E	IP44 - IP67
		Flush-fit	32	2P+E - 3P+E - 3P+N+E	IP44 - IP67
94271	16A cover: Supplied in the box Screw-in cover for socket installation	Flush-fit	16	2P+E - 3P+E	IP44 - IP67
		Schuko-type	16	2P+E	IP67
94272	Schuko cover: Supplied in the box Screw-in and clip-on cover for socket installation	Schuko-type	16	2P+E	IP44 - IP54

Possibility of lids and installation of sockets



1 and 4. PLAIN COVER (Ref. 94270)

It is supplied assembled, with knock-outs for the installation of pilot lights or pushbuttons.

Remove the plain cover in order to install sockets.

- 16A (3P+N+E) - IP44-IP67.
- 32A IP44-IP67.

2. 16A COVER (Ref. 94271)

Screw-in cover for socket installation:

- 16A (2P+E) (3P+E) - IP44-IP67.
- Schuko-type 16A - IP67.

3. SCHUKO COVER (Ref. 94272)

Screw-in and clip-on cover for Schuko-type 16A sockets - IP44-IP54.



IP65 Boxes for industrial sockets with knock-out lids

Reference No.	No. of modules	Dimensions	No. of covers	Weight	Power dissipation according to temperature increase °C P[W]*					Type
					20	25	30	35	40	
PCS4PT	1x4 DIN rail	330x138x110	3 - 66x83	0.81	10.5	13.2	15.8	18.4	21.0	65TC04TR
PCS6PT	1x6 DIN rail	400x176x110	2 - 66x83 2 - 80x96	1.24	14.3	17.9	21.5	25.1	28.7	65TC06TR
PCS9PT	1x8 DIN rail	400x224x110	3 - 66x83 2 - 80x96	1.44	14.3	17.9	21.5	25.1	28.7	65TC08TR
PCS12PT	1x12 DIN rail	436x310x147	6 - plain 4 - 16A 4 - Schuko	2.08	24.1	30.1	36.1	42.1	48.2	65TC12TR
PCS18PT	1x18 DIN rail	436x418x147	8 - plain 6 - 16A 6 - Schuko	2.62	30.0	37.5	45.1	52.6	60.1	65TC18TR
PCS26PT	2x12 (24) DIN rail	550x295x148	4 - 66x83 3 - 80x96	2.84	30.4	38.0	45.7	53.3	60.9	65TC24TR

HALOGEN-FREE PLASTIC MATERIALS

Frame and base in ABS RAL 7035 grey.
Transparent PC tinted window, with UV protection.
IP65 - Surface.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



1x4 modules PCS4PT

TOP: 2xM20/25/32
BOTTOM: 2xM20/25-1xM20/25/32

1x6 modules PCS6PT

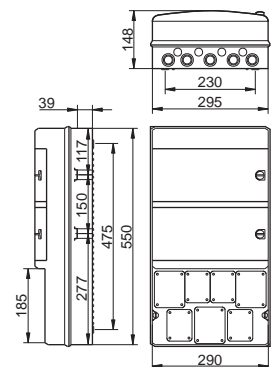
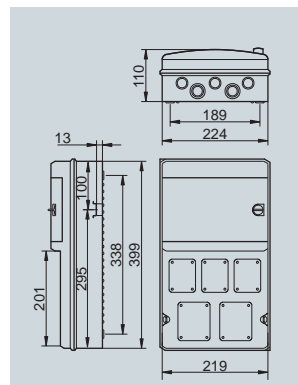
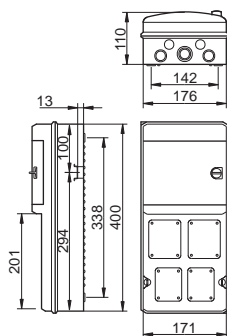
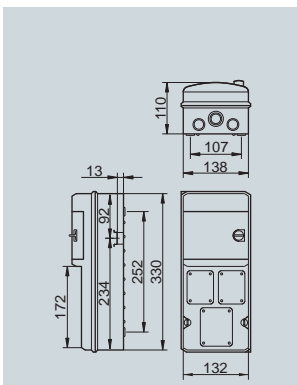
TOP: 2xM16/20-2xM25/32-1xM32/40
BOTTOM: 2xM16/20-2xM25/32-1xM32/40

1x8 modules PCS9PT

TOP: 3xM20/25-2xM25/32
BOTTOM: 3xM20/25-2xM25/32

2x12 (24) modules PCS26PT

TOP: 4xM16/20-5xM25/32
BOTTOM: 4xM16/20-5xM25/32



STAR KNOCK-OUT

IP65 Boxes for industrial sockets with knock-out lids

IP65 Boxes for industrial sockets with knock-out lids with neutral and earth bars

Reference No.	No. of modules	Dimensions HEIGHT X WIDTH X DEPTH	No. of covers	Weight pack. KG	Power dissipation according to temperature increase °C P(W)*					Type
					20	25	30	35	40	
PCS4PT/RR	1x4 DIN rail	330x138x110	3 - 66x83	0.88	10.5	13.2	15.8	18.4	21.0	65TC04TR
PCS6PT/RR	1x6 DIN rail	400x176x110	2 - 66x83 2 - 80x96	1.29	14.3	17.9	21.5	25.1	28.7	65TC06TR
PCS9PT/RR	1x8 DIN rail	400x224x110	3 - 66x83 2 - 80x96	1.53	14.3	17.9	21.5	25.1	28.7	65TC08TR
PCS12PT/RR	1x12 DIN rail	436x310x147	6 - plain 4 - 16A 4 - Schuko	2.23	24.1	30.1	36.1	42.1	48.2	65TC12TR
PCS18PT/RR	1x18 DIN rail	436x418x147	8 - plain 6 - 16A 6 - Schuko	2.81	30.0	37.5	45.1	52.6	60.1	65TC18TR
PCS26PT/RR	2x12 (24) DIN rail	550x295x148	4 - 66x83 3 - 80x96	3.03	30.4	38.0	45.7	53.3	60.9	65TC24TR

HALOGEN-FREE PLASTIC MATERIALS

Frame and base in ABS RAL 7035 grey.
Transparent PC tinted window, with UV protection.
IP65 - Surface.
/RR: With neutral and earth bars.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



THEY INCLUDE

Reference PCS12PT

- 6 plain covers (94270).
- 4 16A covers (94271).
- 4 Schuko covers (94272).

Reference PCS18PT

- 8 plain covers (94270).
- 6 16A covers (94271).
- 6 Schuko covers (94272).

1x12 modules

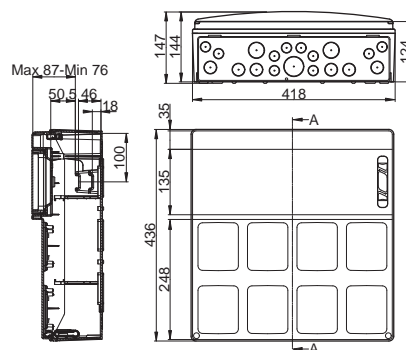
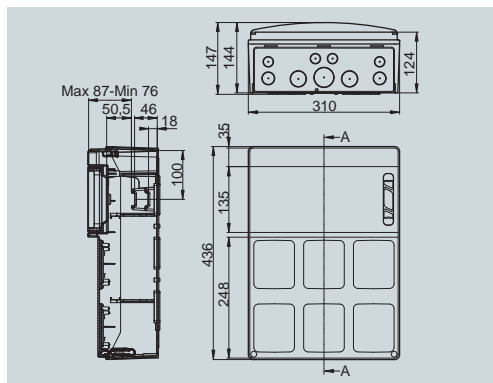
PCS12PT

TOP: 8xM20-2xM25/32-1xM40
BOTTOM: 4xM20-2xM25-2xM32-1xM40
OBLONG REAR: 2xOB 25/32/25

1x18 modules

PCS18PT

TOP: 12xM20-6xM25/32-1xM40
BOTTOM: 10xM20-6xM25-2xM32-1xM40
OBLONG REAR: 2xOB 25/32/25





Product series

- Surface enclosures with a capacity of 4, 6, 8, 12, 18 and 24 modules with transparent window.
- With assembled and wired power sockets.
- With assembled and wired power sockets and protections.

Material

- Halogen-free plastic materials.
- Body: ABS RAL 7035.
- Transparent window: PC tinted window, with UV protection.

Supply

- It is supplied completely assembled according to the specifications of each reference, protected with shrink-wrapped plastic and placed in multiple cardboard packaging, depending on the number of units ordered.



Ample space for wiring the bases, performed according to the REBT.



The M32 and M40 cable entries permit safe connection between the different control lines.



The terminals permit connection between the different supply lines.

Assembled and wired boxes

The IDE panels can be supplied with the power sockets and protections assembled and wired.

A series of standard assemblies is offered, although any assembly combination can be supplied depending on installation-specific requirements, as there is no minimum amount.

Wiring and cabling is performed according to the applicable product and installation regulations.

Power sockets are secured by means of stainless steel screws and an inner plastic nut, thus avoiding any contact between live parts.

The conductors used in the standard wiring are made of H07V-K-type flexible copper, with T1-1-type flame-retardant PVC coating according to the UNE-EN 21031-3 standard.

The M25, M32 and M40 cable entries permit a safe connection between the different control lines according to the requirements of each case.

The degree of protection will be set according to the element with least protection in the unit.

Cable section and standard colour code used in power sockets:

Base	Current (A)	L1	L2	L3	N	E
2P+side E	10 / 16	2.5	2.5			2.5
2P+E		2.5	2.5			2.5
3P+E	16	4	4	4		4
3P+N+E		4	4	4	4	4
2P+E	32	6	6			6
3P+E		6	6	6		6
3P+N+E		6	6	6	6	6
2P+E	63	16	16			16
3P+E		16	16	16		16
3P+N+E		16	16	16	16	16
2P+E	125	35	35			16
3P+E		35	35	35		16
3P+N+E		35	35	35	16	16

STAR COMPLET

Boxes for industrial sockets

Special assemblies

4 DIFFERENT POSSIBILITIES.

ASSEMBLE IT YOURSELF



Plain boxes.



Boxes with knock-out covers.

ORDER FROM THE FACTORY



Boxes with assembled and wired power sockets.

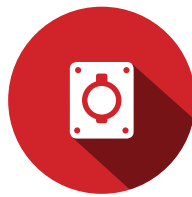


Boxes with assembled and wired power sockets and protections.

How to proceed



1. SELECT THE BOX.



2. CHOOSE THE POWER SOCKETS.



3. INDICATE THE REQUIRED PROTECTION.



4. SUBMIT ALL THE INFORMATION TO OUR TECHNICAL DEPARTMENT.

You can request a quotation and technical assessment at export@ide.es

Special assemblies can be supplied in any combination, assembled and wired, with no minimum order quantity

Proposal of sockets for Star boxes

SCHUKO-TYPE FLUSH-FIT SOCKETS



REF.	Poles	I	IP
00102	2P+E	16A	44
00452	2P+E	16A	54
00105	2P+E	16A	67

IP44 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02301	2P+E	16A	200/250 V
03302	3P+E	16A	380/415 V
03303	3P+N+E	16A	200/415 V
02304	2P+E	32A	200/250 V
03305	3P+E	32A	380/415 V
03306	3P+N+E	32A	200/415 V

IP67 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02801	2P+E	16A	200/250 V
03802	3P+E	16A	380/415 V
03803	3P+N+E	16A	200/415 V
02804	2P+E	32A	200/250 V
03805	3P+E	32A	380/415 V
03806	3P+N+E	32A	200/415 V

Please see our full range of sockets and plugs (page 306).



Boxes with assembled and wired power sockets (without protections)



Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
SV4100	1x4 DIN rail	1.15	4	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 330x138x110 mm.
 TYPE: 65TC04 - IP44.



Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
SV6302	1x6 DIN rail	1.53	1	Sloping flush-fit socket	44	3P+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	
40269	1x6 DIN rail	1.59	1	Sloping flush-fit socket	44	3P+N+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 400x176x110 mm.
 TYPE: 65TC06 - IP44.



Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
SV6305	1x6 DIN rail	2.14	1	Sloping flush-fit socket	44	3P+E	32	380	
			2	Schuko-type sockets	44	2P+E	16	220	
40270	1x6 DIN rail	2.20	1	Sloping flush-fit socket	44	3P+N+E	32	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 400x176x110 mm.
 TYPE: 65TC06 - IP44.



Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
SV9301	1x8 DIN rail	2.15	2	Sloping flush-fit socket	44	3P+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	
40298	1x8 DIN rail	2.21	2	Sloping flush-fit socket	44	3P+N+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 400x224x110 mm.
 TYPE: 65TC08 - IP44.

Any assembly combination can be supplied, with no minimum order quantity

STAR COMPLET

Boxes for industrial sockets

Boxes with assembled and wired power sockets (without protections)

STAR



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
SV9302	1x8 DIN rail	2.15	1	Sloping flush-fit socket	44	3P+E	16	380
			1	Sloping flush-fit socket	44	3P+E	32	380
			2	Schuko-type sockets	44	2P+E	16	220
40299	1x8 DIN rail	2.25	1	Sloping flush-fit socket	44	3P+N+E	16	380
			1	Sloping flush-fit socket	44	3P+N+E	32	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.

DIMENSIONS: 400x224x110 mm.

TYPE: 65TC08 - IP44.



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
SV9100	1x8 DIN rail	2.26	9	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.

DIMENSIONS: 400x224x110 mm.

TYPE: 65TC08 - IP44.



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
SV12100	1x12 DIN rail	2.67	2	Sloping flush-fit socket	44	3P+E	16	380
			4	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.

DIMENSIONS: 436x310x147 mm.

TYPE: 65TC12 - IP44.



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
SV12300	1x12 DIN rail	2.95	1	Sloping flush-fit socket	44	3P+E	16	380
			1	Sloping flush-fit socket	44	3P+E	32	380
			4	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.

DIMENSIONS: 436x310x147 mm.

TYPE: 65TC12 - IP44.



Boxes with assembled and wired power sockets (without protections)



Reference No.	No. of modules	Weight	Components							
			No.	Description	IP	Poles	I	Voltage		
			KG			(A)	(V)			
SV12301	1x12 DIN rail	2.93	2	Sloping flush-fit sockets	44	3P+E	16	380		
			1	Sloping flush-fit sockets	44	3P+E	32	380		
			2	Schuko-type sockets	44	2P+E	16	220		

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 436x310x147 mm.
 TYPE: 65TC12 - IP44.



Reference No.	No. of modules	Weight	Components							
			No.	Description	IP	Poles	I	Voltage		
			KG			(A)	(V)			
SV12302	1x12 DIN rail	3.23	2	Sloping flush-fit sockets	44	3P+E	32	380		
			4	Schuko-type sockets	44	2P+E	16	220		

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 436x310x147 mm.
 TYPE: 65TC12 - IP44.



Reference No.	No. of modules	Weight	Components							
			No.	Description	IP	Poles	I	Voltage		
			KG			(A)	(V)			
SV18100	1x18 DIN rail	4.04	1	Sloping flush-fit sockets	44	3P+E	16	380		
			1	Sloping flush-fit sockets	44	3P+N+E	16	380		
			1	Sloping flush-fit sockets	44	3P+E	32	380		
			1	Sloping flush-fit sockets	44	3P+N+E	32	380		
			4	Schuko-type sockets	44	2P+E	16	220		

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 436x418x147 mm.
 TYPE: 65TC18 - IP44.

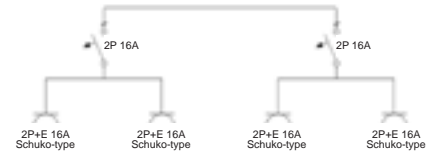
Any assembly combination can be supplied, with no minimum order quantity

Boxes with assembled and wired power sockets (with protections)



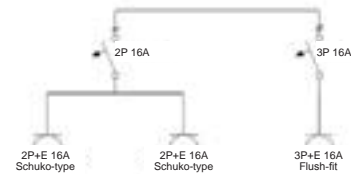
Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
SV4100/P	1x4 DIN rail	1.69	4	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 330x138x110 mm.
 TYPE: 65TC04 - IP44.



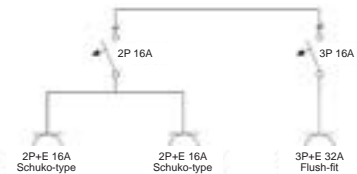
Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
SV6302/P	1x6 DIN rail	2.36	1	Sloping flush-fit socket	44	3P+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 400x176x110 mm.
 TYPE: 65TC06 - IP44.



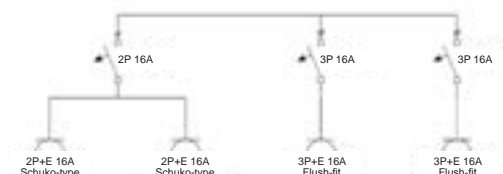
Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
SV6305/P	1x6 DIN rail	2.96	1	Sloping flush-fit socket	44	3P+E	32	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 400x176x110 mm.
 TYPE: 65TC06 - IP44.



Reference No.	No. of modules	Weight	Components						
			No.	Description	IP	Poles	I	Voltage	
		KG					(A)	(V)	
SV9301/P	1x8 DIN rail	2.82	2	Sloping flush-fit socket	44	3P+E	16	380	
			2	Schuko-type sockets	44	2P+E	16	220	

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 400x224x110 mm.
 TYPE: 65TC08 - IP44.



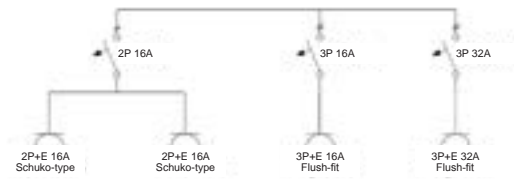


Boxes with assembled and wired power sockets (with protections)



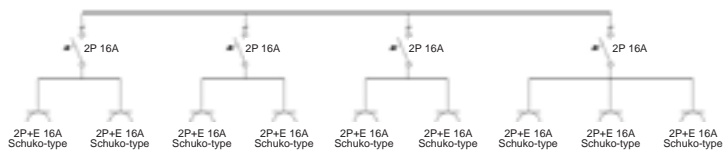
Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
SV9302/P	1x8 DIN rail	2.58	1	Sloping flush-fit socket	44	3P+E	16	380
			1	Sloping flush-fit socket	44	3P+E	32	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 400x224x110 mm.
 TYPE: 65TC08 - IP44.



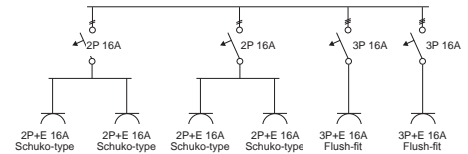
Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
SV9100/P	1x8 DIN rail	2.49	9	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 400x224x110 mm.
 TYPE: 65TC08 - IP44.



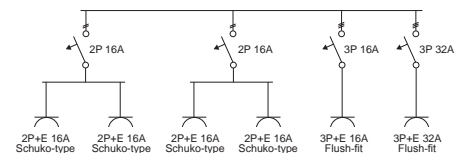
Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
SV12100/P	1x12 DIN rail	3.97	2	Sloping flush-fit socket	44	3P+E	16	380
			4	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 436x310x147 mm.
 TYPE: 65TC12 - IP44.



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
SV12300/P	1x12 DIN rail	4.60	1	Sloping flush-fit socket	44	3P+E	16	380
			1	Sloping flush-fit socket	44	3P+E	32	380
			4	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 436x310x147 mm.
 TYPE: 65TC12 - IP44.



STAR COMPLET

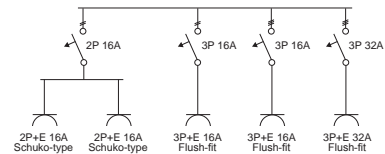
Boxes for industrial sockets

Boxes with assembled and wired power sockets (with protections)



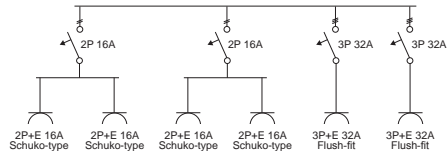
Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
SV12301/P	1x12 DIN rail	4.78	2	Sloping flush-fit sockets	44	3P+E	16	380
			1	Sloping flush-fit sockets	44	3P+E	32	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 436x310x147 mm.
 TYPE: 65TC12 - IP44.



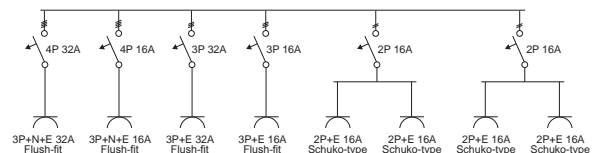
Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
SV12302/P	1x12 DIN rail	4.89	2	Sloping flush-fit sockets	44	3P+E	32	380
			4	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 436x310x147 mm.
 TYPE: 65TC12 - IP44.



Reference No.	No. of modules	Weight	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
SV18100/P	1x18 DIN rail	6.8	1	Sloping flush-fit sockets	44	3P+E	16	380
			1	Sloping flush-fit sockets	44	3P+N+E	16	380
			1	Sloping flush-fit sockets	44	3P+E	32	380
			1	Sloping flush-fit sockets	44	3P+N+E	32	380
			4	Schuko-type sockets	44	2P+E	16	220

FINISH: RAL 7035 grey with transparent window.
 DIMENSIONS: 436x418x147 mm.
 TYPE: 65TC18 - IP44.



Panels with protections supplied with their certificate of conformity, description of the number of sockets, protections and single-line diagram, in accordance with the low voltage directive 2014/35/EU and standard UNE-EN 61439-1



STAR - STAR KNOCK-OUT - STAR COMPLET Accessories



NEUTRAL AND EARTH BAR STRUCTURE.



BOX HANDLE FOR MOBILE INSTALLATIONS.



SECURITY KEY FOR WINDOW OR TRIANGLE KEY.



METAL SUPPORT (FOR ANY BOX SIZE).



BUSHING M25 - M40.

Neutral and earth bars

In some markets, the technical regulations governing installation require neutral and earth conductors to be connected to a common busbar. The base of these boxes has specific supports for this purpose. The neutral and earth bars will be screwed to these supports, which are supplied as an accessory.

They can be supplied pre-assembled by ordering the /RR references.

Neutral and earth bar structure

Type	Ref.	Terminal I				Terminal II				Cable section	
		N	E	N	E	NEUTRAL				EARTH	
65TC04	92303	4+2	4+2	-	-	2x(4-10 mm ²)+4x(2.5-6 mm ²)				2x(4-10 mm ²)+4x(2.5-6 mm ²)	
65TC06	92303	4+2	4+2	-	-	2x(4-10 mm ²)+4x(2.5-6 mm ²)				2x(4-10 mm ²)+4x(2.5-6 mm ²)	
65TC08	92304	8+2	8+2	-	-	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)				1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)	
65TC12	22002	12+2	12+2	-	-	6x(2.5-6 mm ²)+6x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)				6x(2.5-6 mm ²)+6x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)	
65TC18	22003	16+2	16+2	-	-	8x(2.5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)				8x(2.5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)	
65TC24	92304	8+2	8+2	8+2	8+2	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)				1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)	



Panels with protections are supplied with their certificate of conformity, description of the number of sockets, protections and single-line diagram, in accordance with the low voltage directive 2014/35/EU and UNE-EN 61439-1 standard.

STAR ACCESSORIES

IP65 Boxes for industrial sockets

Common accessories

Accessories and screws	Ref.
Box handle for mobile installations	92110
Metal support	48205
Grey module cover (6 modules)	77590
Bag of membrane caps (1xM20-1xM25-2xM32)	92592
M20 membrane cap	92589
M25 membrane cap	92590
M32 membrane cap	92591
Hermetic caps	77650

Locks	Ref.
Security lock with key	92150
Triangle lock (2 pieces) + key (1 piece)	92000

Accessories for boxes of 4-6-8-24 mod.

Accessories and screws	Ref.
2.9x16 screw for bar support	92620
4x19 stainless steel screw for exchangeable covers	94292
Plastic nut for exchangeable covers	94293
Standard lock	77170

Neutral and earth bars	Ref.
Insulating bar support	77530
Neutral and earth bar with 6 entries	92303
Neutral and earth bar with 10 entries	92304
Neutral and earth bar with 14 entries	92301

Knock-out covers	Ref.
66x83 cover (16A and Schuko-type)	94290
80x96 cover (16A, 32A and Schuko-type)	94291
Rubber gasket for 66x83 cover	94294
Rubber gasket for 80x96 cover	94295

Bushings and cable glands	Ref.
M25 bushing	94273
M40 bushing	94274
M25 cable gland	92580
M32 cable gland	92582
M40 cable gland	92584
M25 cable gland nut	92581
M32 cable gland nut	92583
M40 cable gland nut	92585

Transparent windows	Ref.
4 modules	86360
6 modules	86300
8 modules	86310
12 modules	86550
18 modules	86560
24 modules	86320

Accessories for boxes of 12-18 mod.

Accessories and screws	Ref.
Base frame internal hinge	77020
Window hinge	22012
4x13 screws for bar support and for securing the 94270 and 94272 exchangeable covers	92611
4x19 screws for securing the 94271 exchangeable covers and sockets	94292
Standard lock	22010

Neutral and earth bars	Ref.
Support + neutral and earth bar (12+2 entries)	22002
Support + neutral and earth bar (18+2 entries)	22003

Knock-out covers	Ref.
Plain cover with rubber gasket	94270
16A cover with rubber gasket	94271
Schuko cover with rubber gasket	94272

ECO-STAR SYSTEM. Ecology series + Star series

Joining these two models makes it possible to create large-sized power supply and distribution enclosures.

The boxes have marks on the sides for the easy installation of M25 and M40 bushings with rubber gasket to guarantee IP65 protection. They can be joined both vertically and horizontally.

Combined with each other, they offer the installer the most versatile internationally-certified solution to combine junction boxes and units for power sockets.



M25 BUSHING.



M40 BUSHING.



IP
55

IP
65

IP
67

CE



Site Panels

The SITE PANELS series are units intended for equipping work sites and temporary workplaces where activities such as building, installation and repair are carried out.

These panels adapt perfectly to market needs, complying with instruction ICT-BT-33 of the REBT 2002 (Low Voltage Electricity Regulation) and the UNE-EN 61439-4 standard. The panels are supplied with the sockets assembled and wired, with protections provided to order, and with all the necessary safety elements to obtain the EC conformity certificate for the unit.

SITE PANELS



SITE PANELS Technical Specifications

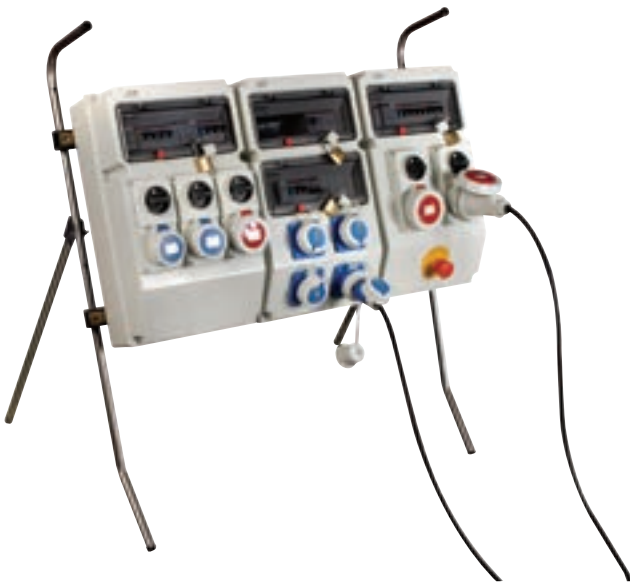
- **Degree of protection of the unit:** IP65.
 - In metal enclosure: IP65.
 - In Pryma enclosure: IP67.
 - In Star enclosure: IP65.
 - In interlocking and Schuko-type sockets: IP67.
 - In the emergency push button: IP65.
- **Resistance to impact:** IK08.
- **Glow wire resistance:**
 - In the enclosure: 650 °C.
 - In power sockets: 960 °C.
- **Ball pressure test:**
 - In the enclosure: 70 °C.
 - In power sockets: 125 °C.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum operating voltage:** 1000 V AC/1500 V DC.
- **Site panel functions:**
 - Electric power supply.
 - Distribution.
 - Transformation
 - Compatible units.

SITE PANELS Certificates



Compliant with the Low Voltage Directive 2014/35/EU
Standards: UNE-EN 61439-1 (as applicable) and UNE-EN 61439-4 (in the specific requirements for site panels).
According to instruction ICT-BT-33 of the REBT 2002 (Low Voltage Electricity Regulation).

Intended for equipping work sites and temporary workplaces (building, installation, repair, etc.)



Product series

Plastic panels

- Models in Pryma IP67 enclosure: 26 - 39 - 52 and 56-module capacity with transparent window.
- Models in Star IP65 enclosure: 24 - 30 and 46-module capacity with transparent window.
- Any assembly combination is possible, with interlocking sockets assembled and wired, IP67 Schuko-type sockets, protections and emergency push-button.
 - Single-phase 40A.
 - Triple-phase 63A.
 - Triple-phase 100A.
 - Triple-phase 125A.

Steel panels

- 2 empty models with knock-out lids with a capacity for 48 and 72 modules.
- Any assembly combination is possible, assembled and wired with protections:
 - Single-phase 40A.
 - Triple-phase 63A.
 - Triple-phase 125A.

Material

- Plastic materials:

- Halogen-free.
- Body: ABS RAL 7035.
- Transparent window: PC tinted window, with UV protection.

- Steel materials:

- RAL 7035 rolled steel sheet.

Supply

They are supplied completely assembled according to the specifications of each reference, protected with shrink-wrapped plastic and placed in multiple cardboard packaging, depending on the number of units ordered.

Manufactured according to instruction ICT-BT-33 of the REBT 2002 (Low Voltage Electricity Regulation)

Connection cables

The conductors used in the standard wiring are made of H07V-K-type flexible copper, with TI-1-type flame-retardant PVC coating according to the UNE 21031-3 standard. The rated voltage is 450/750 V. These conductors are halogen-free and flame-retardant, according to the IEC 332-1 definition. All the cables are connected with tips that are either electro-welded or with connection terminals. The cable section and standard colour code used in the power sockets installed by IDE are described in the following table:

Base	Current (A)	L1	L2	L3	N	E
2P+side E	10 / 16	2.5	2.5			2.5
2P+E		2.5	2.5			2.5
3P+E	16	4	4	4		4
3P+N+E		4	4	4	4	4
2P+E	32	6	6			6
3P+E		6	6	6		6
3P+N+E		6	6	6	6	6
2P+E	63	16	16			16
3P+E		16	16	16		16
3P+N+E		16	16	16	16	16
2P+E	125	35	35			16
3P+E		35	35	35		16
3P+N+E		35	35	35	16	16

SITE PANELS

Steel | Pryma - Star



SITE PANELS

- There are three possibilities for site panels: On a steel cabinet, on Pryma IP67 enclosures or on Star IP65 enclosures.
- All the site panels have an IP65 degree of protection overall.
- The enclosures are joined by means of a watertight bushing that maintains the degree of protection.
- They are supplied with assembled and wired interlocking sockets, to which the power can be cut individually, and an emergency push-button to deactivate the unit in the event of an emergency.
- They can be ordered with IP67 Schuko-type sockets and with the protections assembled.
- All the panels have a CE certificate.

Protection from electric shocks and indirect contacts

- The panels are supplied with an MCB and the other necessary CBs depending on the power sockets used.
- The CBs have a current of 16 to 125A and 2, 3 and 4 poles.
- Each socket or group of sockets is protected by a residual-current circuit breaker (RCCB) with a maximum rated current of 30 mA. One RCCB can protect a maximum of six power sockets.

Emergency stop button

- The emergency stop button is connected in parallel. It is controlled by a coil, associated with the MCB, and can be used to cut off the power supply to the panel in the event of an emergency. The advantage of this coil is that it will trip the MCB in the event of a power cut, in which case the panel will have to be manually reset. This is a very important safety feature, since it prevents the panel from powering up unexpectedly if the power is restored, thus avoiding dangerous situations.
- All panels are supplied with a closed contact emergency stop button (NO contacts can be supplied to order).
- The emergency stop button has IP65 protection.



Complementary safety measures

- The power sockets, except for the Schuko-type sockets, have an interlocking switch with the possibility of locking in the open position.
- Panels in Pryma enclosures are supplied with a padlock for the windows and the protection devices.
- Panels in Star enclosures are supplied with a security key for the windows and the protection devices.

Supports and mounting

- The panels can be mounted directly on the wall using the mounting rails, which in turn make the unit extremely robust.
- By means of a metal support, adaptable to the two types of panels, Pryma and Star, supplied as an accessory (Ref. 48205 or 48206).
- Directly to the mast, with the mast attachment pack that is supplied as an accessory (Ref. 48420).

Maximum safety in the event of power cuts and contingencies by means of a minimum voltage coil

STEP 1

Normal site operation

CONSEQUENCE: incident-free work.



STEP 2

Unannounced power cut

CONSEQUENCE: The machines stop working and work is temporarily interrupted.

SAFETY ACTION: The MCB is automatically tripped.



STEP 3

The power is restored without notice

CONSEQUENCE: The panel has to be manually reset, the machines are still off and there is no risk of incidents.

SAFETY ACTION:

The MCB is still in the tripped position.



STEP 4

The power is restored intentionally, making sure that there is no risk of accident

CONSEQUENCE:

Work continues, with no risk of an accident.



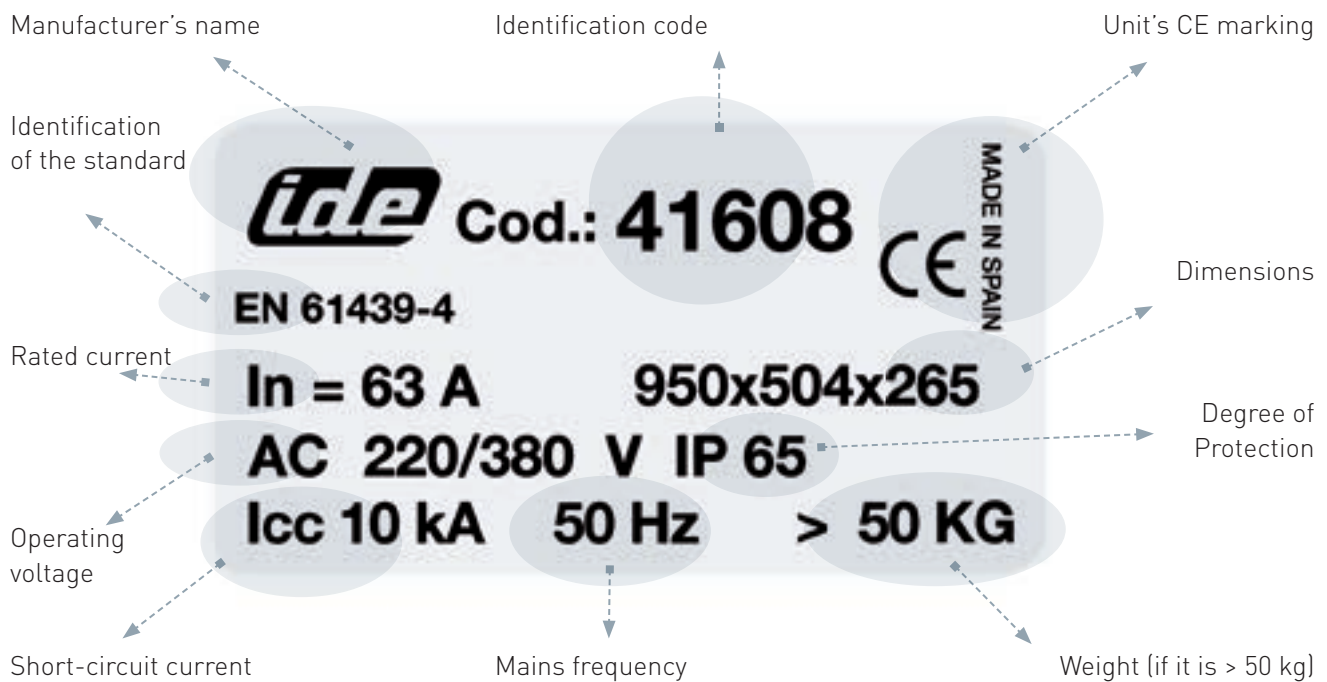
Documentation

Documentation supplied with the product:

- Certificate of conformity.
- Data sheet endorsing the individual tests performed.
- Technical data sheet that includes:
 - Technical characteristics of the unit.
 - Description and number of power sockets and protections.
 - Single-line diagram.
 - Assembly instructions.



Rating plate



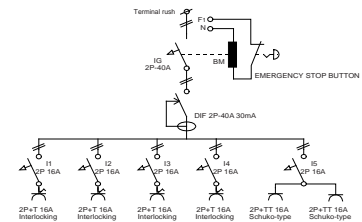


PRYMA Site Panels



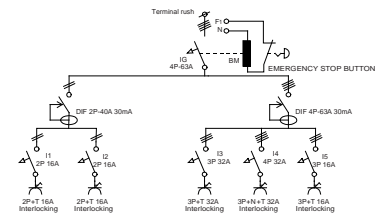
SINGLE-PHASE 40A with Schuko-type sockets and protections.
DIMENSIONS: 650x504x265 mm.
WEIGHT: <15 kg. 26 modules.
 IP65 Protection.
 * Emergency stop button supplied with closed contact.

Reference No.	Components		IP	Poles	I (A)	Voltage (V)
	Unit	Description				
COM40PR67/P	2	Central 13 mod.	67	-	-	-
	4	Flush-fit socket with interlocking switch	67	2P+E	16	220/250
	2	Schuko-type socket	67	2P+E	16	250
	1	Emergency stop button + trim*	65	-	-	-



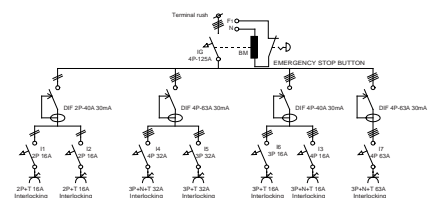
TRIPLE-PHASE 63A with protections.
DIMENSIONS: 650x504x265 mm.
WEIGHT: <15 kg. 26 modules.
 IP65 Protection.
 * Emergency stop button supplied with closed contact.

Reference No.	Components		IP	Poles	I (A)	Voltage (V)
	Unit	Description				
COT63PR/P+	2	Central 13 mod.	67	-	-	-
	2	Flush-fit socket with interlocking switch	67	2P+E	16	220/250
	1	Flush-fit socket with interlocking switch	67	3P+E	16	380/415
	1	Flush-fit socket with interlocking switch	67	3P+E	32	380/415
	1	Emergency stop button + trim*	65	-	-	-



TRIPLE-PHASE 125A with protections.
DIMENSIONS: 1100x504x265 mm.
WEIGHT: <30 kg. 43 modules.
 IP65 Protection.
 * Emergency stop button supplied with closed contact.

Reference No.	Components		IP	Poles	I (A)	Voltage (V)
	Unit	Description				
COT125PR/P	3	Central 13 mod.	67	-	-	-
	1	Surface interlocking socket; 4 modules	55	3P+N+E	63	240/415
	2	Flush-fit socket with interlocking switch	67	2P+E	16	220/250
	1	Flush-fit socket with interlocking switch	67	3P+E	16	380/415
	1	Flush-fit socket with interlocking switch	67	3P+E	32	380/415
	1	Flush-fit socket with interlocking switch	67	3P+N+E	16	380/415
	1	Emergency stop button + trim*	65	-	-	-



SITE PANELS

IP65 Pryma provisional site panels

Special assemblies



Empty boxes.



Boxes with assembled and wired power sockets.



Boxes with assembled and wired power sockets and protections.

How to proceed



1. SELECT THE NUMBER OF BOXES.



2. CHOOSE THE POWER SOCKETS.



3. INDICATE THE REQUIRED PROTECTION.



4. SUBMIT ALL THE INFORMATION TO OUR TECHNICAL DEPARTMENT.

You can request a quotation and technical assessment at export@ide.es

Any assembly combination can be supplied, with no minimum order quantity

Proposal of sockets for Pryma boxes

IP67 SCHUKO-TYPE FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
00105	2P+E	16A	250 V

IP67 FLUSH-FIT INTERLOCKING SOCKETS



REF.	Poles	I	Voltage
02811	2P+E	16A	200/250 V
03812	3P+E	16A	380/415 V
03813	3P+N+E	16A	200/415 V
02814	2P+E	32A	200/250 V
03815	3P+E	32A	380/415 V
03816	3P+N+E	32A	200/415 V

IP67 SURFACE INTERLOCKING SOCKETS



REF.	Poles	I	Voltage
03882	3P+E	63A	200/415 V
03883	3P+N+E	63A	200/415 V

Please see our full range of sockets and plugs (page 306).

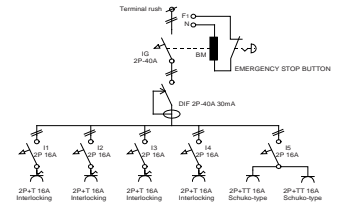


STAR Site Panels



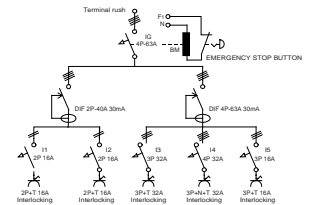
SINGLE-PHASE 40A with Schuko-type sockets and protections.
DIMENSIONS: 690x436x210 mm.
WEIGHT: <15 kg, 24 modules.
 IP65 Protection.
 * Emergency stop button supplied with closed contact.

Reference No.	Components					
	Unit	Description	IP	Poles	I (A)	Voltage (V)
COM40ST67/P	2	Central 12 mod.	65	-	-	-
	4	Flush-fit socket with interlocking switch	67	2P+E	16	220/250
	2	Schuko-type socket	67	2P+E	16	250
	1	Emergency stop button + trim*	65	-	-	-



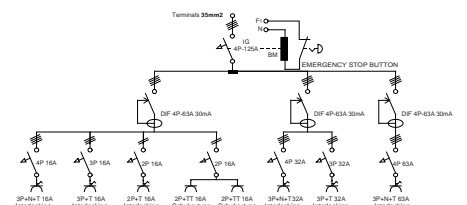
TRIPLE-PHASE 63A with plus protections.
DIMENSIONS: 800x436x210 mm.
WEIGHT: <15 kg, 30 modules.
 IP65 Protection.
 * Emergency stop button supplied with closed contact.

Reference No.	Components					
	Unit	Description	IP	Poles	I (A)	Voltage (V)
COT63ST/P+	1	Central 12 mod.	65	-	-	-
	1	Central 18 mod.				
	2	Flush-fit socket with interlocking switch	67	2P+E	16	220/250
	1	Flush-fit socket with interlocking switch	67	3P+E	16	380/415
	1	Flush-fit socket with interlocking switch	67	3P+E	32	380/415
	1	Flush-fit socket with interlocking switch	67	3P+N+E	32	380/415
	1	Emergency stop button + trim*	65	-	-	-



TRIPLE-PHASE 125A with protections.
DIMENSIONS: 1300x436x210 mm.
WEIGHT: <30 kg, 46 modules.
 IP65 Protection.
 * Emergency stop button supplied with closed contact.

Reference No.	Components					
	Unit	Description	IP	Poles	I (A)	Voltage (V)
COT125ST/P	2	Central 12 mod.	65	-	-	-
	1	Central 18 mod.				
1	Surface interlocking socket; 4 modules	55	3P+N+E	63	380/415	
1	Flush-fit socket with interlocking switch	67	2P+E	16	220/250	
1	Flush-fit socket with interlocking switch	67	3P+E	16	380/415	
1	Flush-fit socket with interlocking switch	67	3P+N+E	16	380/415	
1	Flush-fit socket with interlocking switch	67	3P+E	32	380/415	
1	Flush-fit socket with interlocking switch	67	3P+N+E	32	380/415	
2	Schuko-type sockets	67	2P+E	16	250	
1	Emergency stop button + trim*	65	-	-	-	



SITE PANELS

IP65 Star provisional site panels

Special assemblies



Empty boxes.



Boxes with assembled and wired power sockets.



Boxes with assembled and wired power sockets and protections.

How to proceed



1. SELECT THE NUMBER OF BOXES.



2. CHOOSE THE POWER SOCKETS.



3. INDICATE THE REQUIRED PROTECTION.



4. SUBMIT ALL THE INFORMATION TO OUR TECHNICAL DEPARTMENT.

You can request a quotation and technical assessment at export@ide.es

Any assembly combination can be supplied, with no minimum order quantity

Proposal of sockets for Star boxes

IP67 SCHUKO-TYPE FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
00105	2P+E	16A	250 V

IP67 FLUSH-FIT INTERLOCKING SOCKETS



REF.	Poles	I	Voltage
02811	2P+E	16A	200/250 V
03812	3P+E	16A	380/415 V
03813	3P+N+E	16A	200/415 V
02814	2P+E	32A	200/250 V
03815	3P+E	32A	380/415 V
03816	3P+N+E	32A	200/415 V

IP67 SURFACE INTERLOCKING SOCKETS



REF.	Poles	I	Voltage
03882	3P+E	63A	200/415 V
03883	3P+N+E	63A	200/415 V

Please see our full range of sockets and plugs (page 306).



Steel site panels



2x24 / (48) DIN rail modules.
DIMENSIONS: 600x600x250 mm.
IP65 degree of protection of the unit.
Colour RAL 7035.

Reference No.	Components	
	Unit	Description
COM606025	6	Blind lids for Schuko-type sockets 16A IP67
	4/5	Blind lids for interlocking sockets 16/32A IP67
	1	Blind lids for interlocking sockets 63A IP55



3x24 / (72) DIN rail modules.
DIMENSIONS: 800x600x250 mm.
IP65 degree of protection of the unit.
Colour RAL 7035.

Reference No.	Components	
	Unit	Description
COM806025	6	Blind lids for Schuko-type sockets 16A IP67
	6/7	Blind lids for interlocking sockets 16/32A IP67
	1	Blind lids for interlocking sockets 63A IP55

SITE PANELS

IP65 steel provisional site panels

Special assemblies



Empty panel

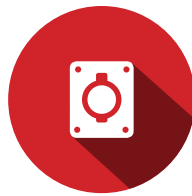


Panel with sockets

How to proceed



1. SELECT THE CABINET.



2. CHOOSE THE POWER SOCKETS.



3. INDICATE THE REQUIRED PROTECTION.



4. SUBMIT ALL THE INFORMATION TO OUR TECHNICAL DEPARTMENT.

You can request a quotation and technical assessment at export@ide.es

Any assembly combination can be supplied, with no minimum order quantity

Proposal of sockets for metal panels

IP67 SCHUKO-TYPE FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
00105	2P+E	16A	250 V

IP67 FLUSH-FIT INTERLOCKING SOCKETS



REF.	Poles	I	Voltage
02811	2P+E	16A	200/250 V
03812	3P+E	16A	380/415 V
03813	3P+N+E	16A	200/415 V
02814	2P+E	32A	200/250 V
03815	3P+E	32A	380/415 V
03816	3P+N+E	32A	200/415 V

IP67 SURFACE INTERLOCKING SOCKETS



REF.	Poles	I	Voltage
03882	3P+E	63A	200/415 V
03883	3P+N+E	63A	200/415 V

Please see our full range of sockets and plugs (page 306).

IP
65IP
67

CE

SITE PANEL Accessories



Reference No.	Description	Poles	I (A)	Voltage (V)
00114	IP68 Schuko-type plug	2P+E	16	220/230



Ref. 77670

Ref. 92150

Reference No.	Description
77670	Support for padlock (PRYMA series)
92150	Security lock with key (STAR series)

Ref. 77670 does not include the padlock.



Reference No.	Description
92580	M25 cable gland
92582	M32 cable gland
92584	M40 cable gland



92581	M25 cable gland nut
92583	M32 cable gland nut
92585	M40 cable gland nut



94273	M25 bushing
94274	M40 bushing



SITE PANEL Accessories



Ref. 48206



Ref. 48205

Reference No.	Description
---------------	-------------

48205	Metal support for secondary panels
48206	Metal support for site panels



Reference No.	Description
---------------	-------------

48420	Mast attachment pack (2 pieces)
-------	---------------------------------



Reference No.	Description
---------------	-------------

48210	Canopy 970x400 mm
48211	Canopy 1350x400 mm

Leg support not included.



Reference No.	Description
---------------	-------------

48220	Compact protective cabinet 1020x700x360 mm
48221	Compact protective cabinet 1400x700x360 mm

Protective cabinet only for STAR site panels.

IP
65

CE



IP65 Distribution boxes

The IP65 watertight distribution enclosures are manufactured with the highest-quality halogen-free plastic materials and are available in ABS and Polycarbonate. They have ample space for wiring and a modular capacity from 4 to 54 modules. They are intended for indoor and outdoor use, where enclosures with a high degree of protection and design are required.



ECOLOGY Technical Specifications

- Degree of protection: IP65.
- Resistance to impact: IK08.
- Glow wire resistance: 650 °C.
- Ball pressure test: 70 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.

ECOLOGY Certifications



Compliant with the Low Voltage Directive 2014/35/UE.
Standards: UNE-EN 62208 and IEC 62208.

Intended for installation where a high degree of protection and safety is required



Product series

- Surface enclosures with a capacity of 4, 6, 8, 12, 18, 24, 36 and 54 modules with transparent window.

Material

ABS version

- Halogen-free plastic materials.
- Base and frame: ABS RAL 7035 grey.
- Transparent window: PC tinted window, with UV protection.

Polycarbonate version

- Halogen-free plastic materials.
- Base and frame: PC RAL 7035 grey.
- Transparent window: PC tinted window, with UV protection. (Recommended for outdoor use: UV protection according to the ISO 4892-2 standard, method A: 1000 h).

Supply

- Supplied in individual packaging. When several items are sent together, they are bundled together with transparent film.
- TH35x7.5 symmetrical rail in enclosures with one row of modules and a compact frame in enclosures with two or more rows of modules. They are supplied assembled in all references.
- Accessory bag:
 - Hermetic caps.
 - Cover-base locking screws.
 - Grey module cover (6 modules).
 - Module identification strips.
 - Assembly instructions.

Available in ABS and Polycarbonate with a UV ray-resistant transparent window



Base

- Base with double height providing greater space on the inside for wiring and devices, and a reinforcement rib that delivers greater rigidity.
- The top and bottom parts have cut-outs for the entry of M40, M32, M25 and M20 metric cables.
- The base has supports for fixing the neutral and earth bars, as well as DIN rail housings and slots on the bottom to secure the mounting plates, rails, bars, etc.

Wall-mounting

- There are two possible wall-mounting systems:
- By means of four screws, directly from the housings located at the bottom of the base provided for this purpose; these housings are covered with hermetic caps (supplied in the accessories bag) to maintain the degree of protection and dielectric strength.
- Through the holes made for the purpose of securing the frame-base, by means of four screws.

Frame

- The frame has double height which gives it greater rigidity.
- The frame-base unit is closed by means of ¼-turn captive plastic sealable power screws. This creates a box that can be sealed at four points.
- Covered with a sealing gasket that guarantees the IP protection of the unit.

Window

- Transparent tinted windows with UV protection.
- The window is covered with a sealing gasket to guarantee the assembly's IP protection.
- Reversible 180° horizontal window opening.
- New-lock lock with the IDE logotype with pressure-operated opening and closing. The lock can be replaced with key locks or triangular locks (inserts supplied as accessories).



DIN rail attachment

- For 1-row models, the rail is inserted into the side housing, without a screw, and is secured by means of a screw on the other side.
- For models with 2 or more rows, a detachable frame is inserted.
- Double rail and frame positioning height as of 12 modules of capacity.
- The DIN rail is attached to the base with 4x13 special screws for plastic.
- The rails are supplied assembled in the bases.



IP65 distribution boxes (ABS)

Reference No. type	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHT X WIDTH X DEPTH	KG	20	25	30	
CT3G	1x3 DIN rail	174x84x111	0.39	4.8	6.0	7.2	8.4	9.6	65SP3
CT4G	1x4 DIN rail	174x101x111	0.45	5.3	6.6	7.9	9.2	10.5	65SP4
CDN4PT	1x4 DIN rail	231x166x113	0.75	8.9	11.1	13.3	15.5	17.8	65S04
CDN6PT	1x6 DIN rail	231x202x113	0.84	10.1	12.6	15.1	17.7	20.2	65S06
CDN8PT	1x8 DIN rail	231x238x118	0.95	11.6	14.5	17.4	20.3	23.1	65S08
CDN12PT	1x12 DIN rail	246x310x148	1.40	16.6	20.7	24.8	29.0	33.1	65S12
CDN18PT	1x18 DIN rail	286x418x148	1.97	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 242.

IP65 distribution boxes (Polycarbonate)

Reference No. type	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHT X WIDTH X DEPTH	KG	20	25	30	
CDP4PT	1x4 DIN rail	231x166x113	0.81	8.9	11.1	13.3	15.5	17.8	65S04
CDP6PT	1x6 DIN rail	231x202x113	0.83	10.1	12.6	15.1	17.7	20.2	65S06
CDP8PT	1x8 DIN rail	231x238x118	0.96	11.6	14.5	17.4	20.3	23.1	65S08
CDP12PT	1x12 DIN rail	246x310x148	1.51	16.6	20.7	24.8	29.0	33.1	65S12
CDP18PT	1x18 DIN rail	286x418x148	2.03	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 242.

HALOGEN-FREE PLASTIC MATERIALS

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window, with UV protection.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window, with UV protection.

IP65 - Surface.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



1x3 modules CT3G

TOP: 1xM25
BOTTOM: 1xM25

1x4 modules CT4G

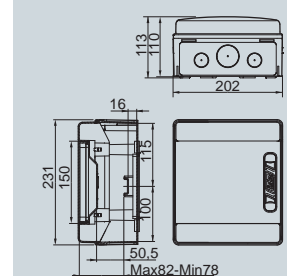
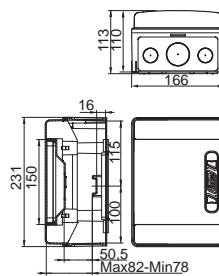
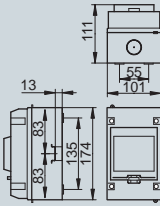
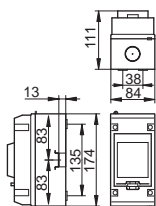
TOP: 1xM25
BOTTOM: 1xM25

1x4 modules CDN4PT

TOP: 2xM25-1xM40
BOTTOM: 2xM25-1xM40
OBLONG REAR: 2xOB25/25

1x6 modules CDN6PT

TOP: 2xM25-1xM40
BOTTOM: 2xM25-1xM40
OBLONG REAR: 2xOB25/25



IP65 distribution boxes - with neutral and earth bars (ABS)

Reference No. type	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHTXWIDTHXDEPTH	KG	20	25	30	
CDN4PT/RR	1x4 DIN rail	231x166x113	0.81	8.9	11.1	13.3	15.5	17.8	65S04
CDN6PT/RR	1x6 DIN rail	231x202x113	0.91	10.1	12.6	15.1	17.7	20.2	65S06
CDN8PT/RR	1x8 DIN rail	231x238x118	1.05	11.6	14.5	17.4	20.3	23.1	65S08
CDN12PT/RR	1x12 DIN rail	246x310x148	1.55	16.6	20.7	24.8	29.0	33.1	65S12
CDN18PT/RR	1x18 DIN rail	286x418x148	2.08	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 243.

IP65 distribution boxes - with neutral and earth bars (Polycarbonate)

Reference No. type	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHTXWIDTHXDEPTH	KG	20	25	30	
CDP4PT/RR	1x4 DIN rail	231x166x113	0.81	8.9	11.1	13.3	15.5	17.8	65S04
CDP6PT/RR	1x6 DIN rail	231x202x113	0.91	10.1	12.6	15.1	17.7	20.2	65S06
CDP8PT/RR	1x8 DIN rail	231x238x118	1.05	11.6	14.5	17.4	20.3	23.1	65S08
CDP12PT/RR	1x12 DIN rail	246x310x148	1.60	16.6	20.7	24.8	29.0	33.1	65S12
CDP18PT/RR	1x18 DIN rail	286x418x148	2.20	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 243.

HALOGEN-FREE PLASTIC MATERIALS

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window, with UV protection.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window, with UV protection.

IP65 - Surface.

/RR: With neutral and earth bars.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



1x8 modules
CDN8PT

TOP: 4xM25-1xM40
BOTTOM: 4xM25+1xM40
INT.: -
OBLONG REAR: 2xOB25/25



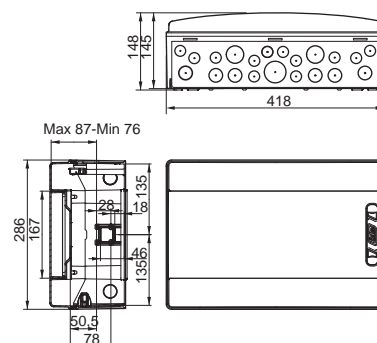
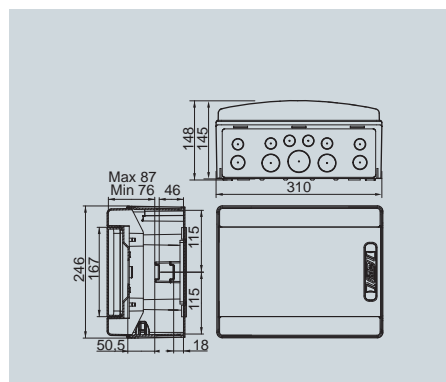
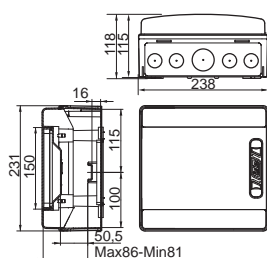
1x12 modules
CDN12PT

TOP: 6xM20-2xM25-2xM32-1xM40
BOTTOM: 6xM20-2xM25-2xM32-1xM40
INT.: 4xM25
OBLONG REAR: 2xOB 25/32/25



1x18 modules
CDN18PT

TOP: 12xM20-6xM25-2xM32-1xM40
BOTTOM: 12xM20-6xM25-2xM32-1xM40
INT.: 4xM25
OBLONG REAR: 2xOB 25/32/25





IP65 distribution boxes (ABS)

Reference No. type	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHT	WIDTH	X	DEPTH	KG	
CDN24PT	2x12 (24) DIN rail	436x310x148	2.51	25.9	32.3	38.8	45.3	51.7	65S24
CDN36PT2F	2x18 (36) DIN rail	436x418x148	3.03	32.1	40.1	48.1	56.1	64.1	65S36
CDN36PT3F	3x12 (36) DIN rail	586x310x148	3.21	33.2	41.5	49.8	58.1	66.5	65S36
CDN54PT	3x18 (54) DIN rail	586x418x148	3.97	41.0	51.2	61.5	71.7	82.0	65S54

IP65 distribution boxes (Polycarbonate)

Reference No. type	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHT	WIDTH	X	DEPTH	KG	
CDP24PT	2x12 (24) DIN rail	436x310x148	2.51	25.9	32.3	38.8	45.3	51.7	65S24
CDP36PT2F	2x18 (36) DIN rail	436x418x148	3.41	32.1	40.1	48.1	56.1	64.1	65S36
CDP36PT3F	3x12 (36) DIN rail	586x310x148	3.59	33.2	41.5	49.8	58.1	66.5	65S36
CDP54PT	3x18 (54) DIN rail	586x418x148	4.07	41.0	51.2	61.5	71.7	82.0	65S54

HALOGEN-FREE PLASTIC MATERIALS

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window, with UV protection.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window, with UV protection.

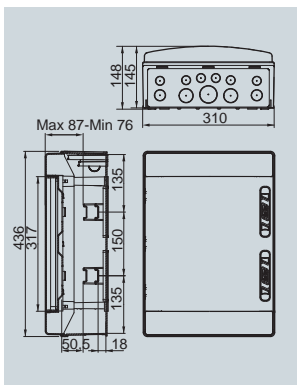
IP65 - Surface.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



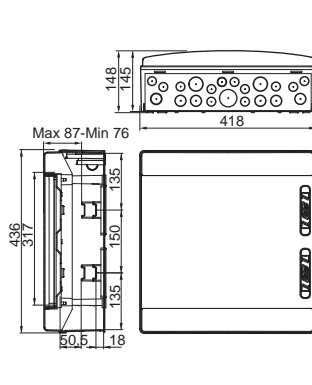
2x12 (24) modules CDN24PT

TOP: 8xM20-2xM25-2xM32-1xM40
BOTTOM: 6xM20-2xM25-2xM32-1xM40
INT.: 4xM25
OBLONG REAR: 2xOB 25/32/25



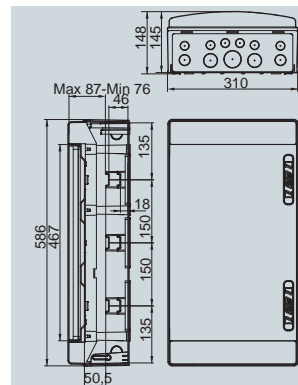
2x18 (36) modules CDN36PT2F

TOP: 12xM20-6xM25-2xM32-1xM40
BOTTOM: 12xM20-6xM25-2xM32-1xM40
INT.: 4xM25
OBLONG REAR: 2xOB 25/32/25



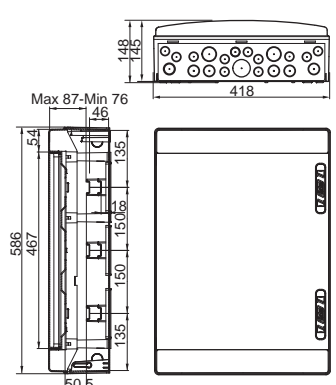
3x12 (36) modules CDN36PT3F

TOP: 8xM20-2xM25-2xM32-1xM40
BOTTOM: 6xM20-2xM25-2xM32-1xM40
INT.: 4xM25
OBLONG REAR: 2xOB 25/32/25



3x18 (54) modules CDN54PT

TOP: 12xM20-6xM25-2xM32-1xM40
BOTTOM: 12xM20-6xM25-2xM32-1xM40
INT.: 4xM25
OBLONG REAR: 2xOB 25/32/25



IP65 distribution boxes - with neutral and earth bars (ABS)

Reference No. type	No. of modules	Dimensions (HEIGHTXWIDTHXDEPTH)	Weight KG	Power dissipation according to temperature increase °C P(W)*					Type
				20	25	30	35	40	
CDN24PT/RR	2x12 (24) DIN rail	436x310x148	2.54	25.9	32.3	38.8	45.3	51.7	65S24
CDN36PT2F/RR	2x18 (36) DIN rail	436x418x148	3.28	32.1	40.1	48.1	56.1	64.1	65S36
CDN36PT3F/RR	3x12 (36) DIN rail	586x310x148	3.36	33.2	41.5	49.8	58.1	66.5	65S36
CDN54PT/RR	3x18 (54) DIN rail	586x418x148	4.29	41.0	51.2	61.5	71.7	82.0	65S54

IP65 distribution boxes - with neutral and earth bars (Polycarbonate)

Reference No. type	No. of modules	Dimensions (HEIGHTXWIDTHXDEPTH)	Weight KG	Power dissipation according to temperature increase °C P(W)*					Type
				20	25	30	35	40	
CDP24PT/RR	2x12 (24) DIN rail	436x310x148	2.77	25.9	32.3	38.8	45.3	51.7	65S24
CDP36PT2F/RR	2x18 (36) DIN rail	436x418x148	3.56	32.1	40.1	48.1	56.1	64.1	65S36
CDP36PT3F/RR	3x12 (36) DIN rail	586x310x148	3.74	33.2	41.5	49.8	58.1	66.5	65S36
CDP54PT/RR	3x18 (54) DIN rail	586x418x148	4.67	41.0	51.2	61.5	71.7	82.0	65S54

HALOGEN-FREE PLASTIC MATERIALS

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window, with UV protection.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window, with UV protection.

IP65 - Surface.

/RR: With neutral and earth bars.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

Ultra-modern design and plenty of space for wiring



ECOLOGY Accessories



NEUTRAL AND EARTH BAR SUPPORT.

SECURITY KEY FOR WINDOW OR TRIANGLE KEY.

BUSHING FOR JOINING BOXES.

CABLE GLAND AND CABLE GLAND NUT.

MODULE COVER.

FRAME-BASE HINGES.

Neutral and earth bars

In some markets, the technical regulations governing installation require neutral and earth conductors to be connected to a common busbar. The base of these boxes has specific supports for this purpose. The neutral and earth bars are inserted into a side housing, without a screw, and are secured by means of a screw on the other side.

They may be supplied as an accessory or they can be supplied already assembled by ordering the /RR references.

Neutral and earth bar structure

Type	Ref.	Terminal				Cable section	
		Terminal I		Terminal II		NEUTRAL	EARTH
		N	E	N	E		
65S04	22000	4+1	4+1	-	-	2x(2.5-6 mm ²)+4x(4-10 mm ²)+1x(16-35 mm ²)	2x(2.5-6 mm ²)+4x(4-10 mm ²)+1x(16-35 mm ²)
65S06	22000	4+1	4+1	-	-	2x(2.5-6 mm ²)+4x(4-10 mm ²)+1x(16-35 mm ²)	2x(2.5-6 mm ²)+4x(4-10 mm ²)+1x(16-35 mm ²)
65S08	22001	8+1	8+1	-	-	4x(2.5-6 mm ²)+4x(4-10 mm ²)+1x(16-35 mm ²)	4x(2.5-6 mm ²)+4x(4-10 mm ²)+1x(16-35 mm ²)
65S12	22002	2+12	2+12	-	-	6x(2.5-6 mm ²)+6x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)	6x(2.5-6 mm ²)+6x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)
65S18	22003	2+16	2+16	-	-	8x(2.5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)	8x(2.5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)
65S24	22003	2+16	2+16	-	-	8x(2.5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)	8x(2.5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)
65S36	22004	2+24	-	-	2+24	12x(2.5-6 mm ²)+12x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)	12x(2.5-6 mm ²)+12x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²)
65S54	22005	4+32	-	-	4+32	16x(2.5-6 mm ²)+16x(4-10 mm ²)+2x(10-25 mm ²)+2x(16-35 mm ²)	16x(2.5-6 mm ²)+16x(4-10 mm ²)+2x(10-25 mm ²)+2x(16-35 mm ²)

ECOLOGY ACCESSORIES

IP65 Distribution boxes

ECOLOGY Accessories

Miscellaneous	Ref.
Interior frame-base hinge (24-36-54 mod.) (2 pieces)	77020
Window hinge	22012
Grey module cover (6 modules)	77590
Hermetic caps	77650
M20 membrane cap	92589
M25 membrane cap	92590
M32 membrane cap	92591
Bag of membrane caps (1xM20-M25-M32)	92592
4x13 screw for bar support	92611

Locks	Ref.
Standard lock	22010
Security lock with key	92150
Triangle lock (2 pieces) + key (1 piece)	92000

Transparent windows	Ref.
4 modules	86400
6 modules	86410
8 modules	86420
12 modules	86430
18 modules	86520
24 modules	86440
36 modules (2 rows)	86450
36 modules (3 rows)	86460
54 modules	86470

Bushings and cable glands	Ref.
M25 bushing	94273
M40 bushing	94274
M25 cable gland	92580
M32 cable gland	92582
M40 cable gland	92584
M25 cable gland nut	92581
M32 cable gland nut	92583
M40 cable gland nut	92585

Neutral and earth bars	Ref.
Support + neutral and earth bar (4-6 entries)	22000
Support + neutral and earth bar (8 entries)	22001
Support + neutral and earth bar (12 entries)	22002
Support + neutral and earth bar (18-24 entries)	22003
Support + neutral and earth bar (36 entries)	22004
Support + neutral and earth bar (54 entries)	22005

ECO-STAR SYSTEM. Ecology series + Star series

Joining these two models makes it possible to create large-sized power supply and distribution enclosures.

Combined with each other, they offer the installer the most versatile internationally-certified solution to combine distribution boxes and units for power sockets.

The boxes have marks on the sides that allow the easy installation of M25 and M40 cable glands for joining the boxes. They can be joined both vertically and horizontally.

The use of two M25 cable glands or a combination of an M25 cable gland and an M40 cable gland is recommended when more space is needed to run the cables.



M25 BUSHING.



M40 BUSHING.



IP
40

CE



IP40 Surface distribution boxes

The COMBI series surface distribution boxes are manufactured with the highest-quality halogen-free plastic materials.

With a modular capacity from 4 to up to 36 models, they have been designed exclusively for indoor installation in the tertiary and residential sector.



COMBI Technical Specifications

- Degree of protection: IP40*.
- Resistance to impact: IK08.
- Glow wire resistance: 650 °C.
- Ball pressure test: 70 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.

* Except Ref. BT2 and BT4.

COMBI Certifications



Compliant with the Low Voltage Directive 2014/35/EU
Standards: UNE-EN 62208 and UNE-EN 61439-1
(as applicable).

Surface distribution boxes for indoor use: dwellings, detached houses, offices and shops



Product series

- Terminal boxes with a capacity of 2 and 4 modules.
- Surface boxes with a capacity of 4, 8, 12, 24 and 36 modules with opaque or transparent window.

Material

- Halogen-free plastic materials.
- Base, frame and opaque window: ABS RAL 9003 white.
- Transparent window in tinted PC, with UV protection.

Supply

- Supplied in individual packaging. When several items are sent together, they are bundled together with transparent film. They are supplied with all the elements assembled, except for the ones supplied in the accessory bag.
- Accessory bag:
 - Hermetic caps.
 - Frame-base locking screws.
 - Grey module cover (6 modules).
 - Module identification strips.
 - Assembly instructions.

Ultra-modern and exclusive design, compliant with the technical and quality standards demanded by the market

Terminal boxes

- Available in 2 and 4-modules.
- They consist of a base and a cover that is closed by means of two 4x13 screws.
- The DIN rail emerges directly from the base injection and is therefore plastic.
- They have a cable entry on each side, at the top and bottom and at the rear of the box.
- They can be sealed by means of tabs located diagonally on the outside of the box.
- These boxes make it possible to protect a protective element secured to the DIN rail of a larger panel.





Base

- The inner walls have ribs that reinforce the box and prevent possible deformation.
- The top and bottom sides have knock-outs with the standard metric M25, M32 and M40 diameters so that they can be quickly removed with a screwdriver for cable and pipe entry.
- The side walls also have knock-outs to facilitate cable passage between boxes if they are joined together.
- There is an arrow on the bottom of the base that indicates correct box position; this ensures that the space between the rails is suitable in order to guarantee that power dissipates inside the enclosure correctly, in accordance with the regulations.
- For two rails, the top space must be greater than 115 mm; for three rails the top space must be greater than 135 mm. The bottom space should always be greater than 100 mm.
- The bottom of the base is fitted with supports for attaching neutral and earth bars, as well as the housings for attaching the DIN rail.

Wall-mounting

- It is performed by means of four screws, directly from the housings located at the bottom of the base provided for this purpose; these housings are covered with hermetic caps (supplied in the accessories bag) to maintain the degree of protection and dielectric strength.

Frame-base closing

- The top and bottom sides of the enclosure have clips on the frame and their corresponding housings on the base. With the help of these clips, and applying a little pressure, the frame-base assembly can easily be opened and closed. This is a provisional closure during the installation period. The box is definitively closed by means of four 4x13 screws in the housings located inside the window gap. These screws are supplied in the accessory bag.
- The 40S04-type box has a special closure that seals the box, for which purpose the 25975 sealable kit should be ordered.



Window

- RAL 9003 white opaque windows.
- Transparent windows in tinted PC, with UV protection.
- Opening and closing by means of vertical rotation.
- When the windows are opened fully out, they remain anchored in order to facilitate switch control and handling.
- The windows are wave-shaped, giving them a very attractive look, and they adapt perfectly to places where decoration is highly important.

DIN rail attachment

- The bases have grooved housings for screwless DIN rail assembly.
- For boxes with two and three rows (24 and 36 modules), the rails are supplied in frame form. This keeps the whole unit assembled comfortably on the workbench, and it can then be moved to the enclosure for the final assembly.



IP40 surface distribution boxes

Reference		No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P[W]*					Type
OPAQUE WINDOW	TRANSP. WINDOW				20	25	30	35	40	
BT2	-	1x2 DIN rail	130x50x64	0.08	2.0	2.5	3.0	3.5	4.0	40SP2
BT4	-	1x4 DIN rail	130x85x64	0.10	2.7	3.3	4.0	4.7	5.3	40SP4
BV4PO	BV4PT	1x4 DIN rail	228x120x99	0.43	6.7	8.4	10.0	11.7	13.4	40S04
BV8PO	BV8PT	1x8 DIN rail	228x191x99	0.61	9.0	11.2	13.4	15.7	17.9	40S08
BV12PO	BV12PT	1x12 DIN rail	228x264x99	0.80	11.3	14.1	17.0	19.8	22.6	40S12
BV24PO	BV24PT	2x12 (24) DIN rail	353x264x99	1.28	16.1	20.1	24.1	28.2	32.2	40S24
BV36PO	BV36PT	3x12 (36) DIN rail	497x264x99	1.82	21.6	27.0	32.4	37.8	43.2	40S36

HALOGEN-FREE PLASTIC MATERIALS

Ref. BV4PO sealable by ordering the 25975 kit.

Frame and base in white ABS RAL 9003.

White opaque window in ABS RAL 9003.

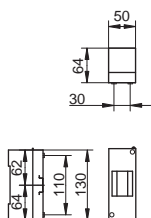
Transparent window in tinted PC, with UV protection.

IP40 - IP20: BT2 and BT4 - Surface.

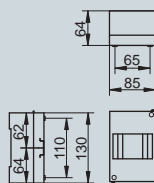
* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



**1x2 modules
BT2**

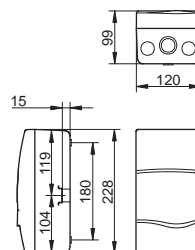


**1x4 modules
BT4**



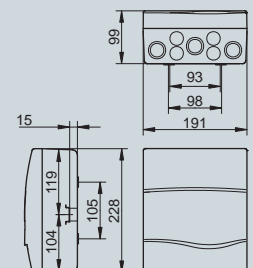
**1x4 modules
BV4PO**

TOP: 3xM25/32
BOTTOM: 3xM25/32
LEFT: 1xM25/32
RIGHT: 1xM25/32



**1x8 modules
BV8PO**

TOP: 4xM25-3xM25/32
BOTTOM: 4xM25-3xM25/32
LEFT: 1xM25/32
RIGHT: 1xM25/32



IP40 surface distribution boxes - with neutral and earth bars

Reference		No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
OPAQUE WINDOW	TRANSP. WINDOW				HEIGHT X WIDTH X DEPTH	KG	20	25	30	
BV4PO/RR	BV4PT/RR	1x4 DIN rail	228x120x99	0.49	6.7	8.4	10.0	11.7	13.4	40S04
BV8PO/RR	BV8PT/RR	1x8 DIN rail	228x191x99	0.70	9.0	11.2	13.4	15.7	17.9	40S08
BV12PO/RR	BV12PT/RR	1x12 DIN rail	228x264x99	0.91	11.3	14.1	17.0	19.8	22.6	40S12
BV24PO/RR	BV24PT/RR	2x12 (24) DIN rail	353x264x99	1.45	16.1	20.1	24.1	28.2	32.2	40S24
BV36PO/RR	BV36PT/RR	3x12 (36) DIN rail	497x264x99	2.04	21.6	27.0	32.4	37.8	43.2	40S36

HALOGEN-FREE PLASTIC MATERIALS

Ref. BV4PO/RR sealable by ordering the 25975 kit.

Frame and base in white ABS RAL 9003.

White opaque window in ABS RAL 9003.

Transparent window in tinted PC, with UV protection.

IP40 - Surface.

/RR: With neutral and earth bars.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



1x12 modules

BV12PO

TOP: 6xM25-2xM25/32-1xM32/40
 BOTTOM: 6xM25-2xM25/32-1xM32/40
 LEFT: 1xM25/32
 RIGHT: 1xM25/32

2x12 (24) modules

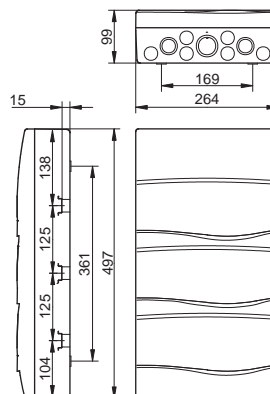
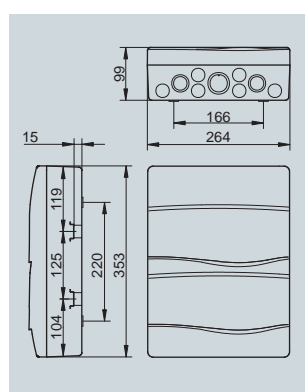
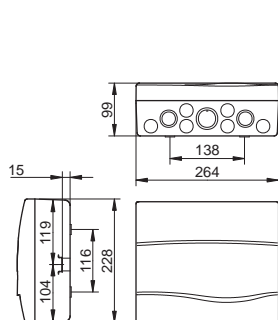
BV24PO

TOP: 6xM25-2xM25/32-1xM32/40
 BOTTOM: 6xM25-2xM25/32-1xM32/40
 LEFT: 2xPG16/21
 RIGHT: 2xPG16/21

3x12 (36) modules

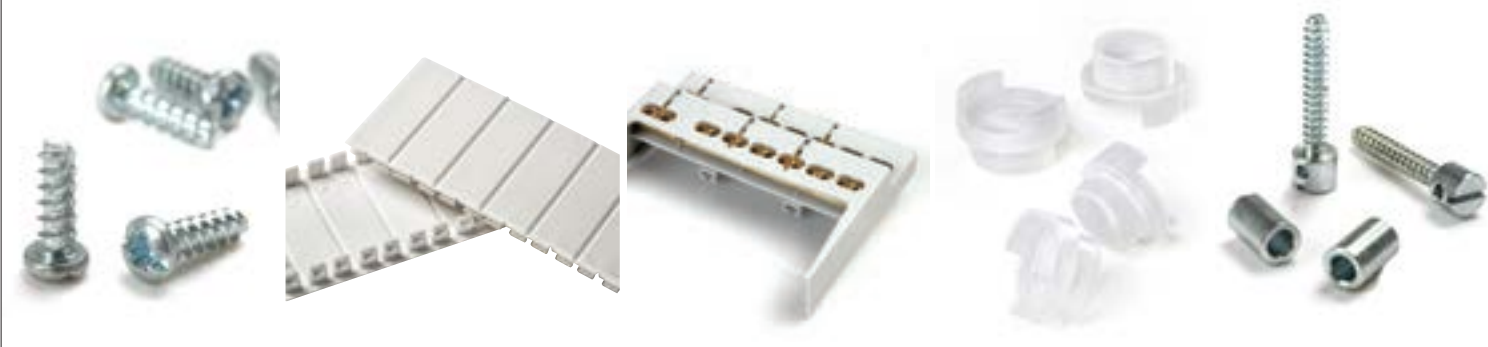
BV36PO

TOP: 6xM25-2xM25/32-1xM32/40
 BOTTOM: 6xM25-2xM25/32-1xM32/40
 LEFT: 2PG16/21
 RIGHT: 2xPG16/21





COMBI Accessories



CLOSING SCREWS.

WHITE MODULE COVER.

BAR SUPPORT.

HERMETIC CAPS.

SEALABLE KIT FOR 4-MODULE BOX.

Neutral and earth bars

In some markets, the technical regulations governing installation require neutral and earth conductors to be connected to a common busbar. The base of these boxes has specific supports for this purpose. The neutral and earth bars are assembled to the base by means of the guides located on the top and bottom walls by pressing slightly, with no need for screws.

They may be supplied as an accessory or they can be supplied already assembled by ordering the /RR references.

Neutral and earth bar structure

Type	Ref.	Terminal I				Terminal II				Connectors	
		N	E	N	E	NEUTRAL				EARTH	
40S04	92303	4+2	4+2	-	-	2x(4-10 mm ²)+4x(2.5-6 mm ²)				2x(4-10 mm ²)+4x(2.5-6 mm ²)	
40S08	92304	8+2	8+2	-	-	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)				1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)	
40S12	92301	12+2	12+2	-	-	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)				1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)	
40S24	92304	8+2	8+2	8+2	8+2	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)				1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)	
40S36	92301	12+2	12+2	12+2	12+2	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)				1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)	

COMBI ACCESSORIES

IP40 surface distribution boxes

COMBI Accessories

Miscellaneous	Ref.
Sealable kit for 4-module box	25975
White module cover (6 mod.)	77600
Hermetic caps	77650
4x13 frame-base closing screw	92611

Neutral and earth bars	Ref.
Press-in insulating bar support	77540
Neutral and earth bar with 6 entries	92303
Neutral and earth bar with 10 entries	92304
Neutral and earth bar with 14 entries	92301

Opaque windows	Ref.
4 modules	76420
8 modules	76440
12-24-36 modules	76460

Transparent windows	Ref.
4 modules	76790
8 modules	76800
12-24-36 modules	76760



IP
40

CE



IP40 Flush-fit distribution boxes

The ORO series flush-fit distribution boxes are manufactured with the highest-quality halogen-free plastic materials.

With a modular capacity from 4 to up to 36 models, they have been designed exclusively for indoor installation in the tertiary and residential sector.



ORO Technical Specifications

- Degree of protection: IP40.
- Resistance to impact: IK08.
- Glow wire resistance: 650 °C.
- Ball pressure test: 70 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.

ORO Certifications



Compliant with the Low Voltage Directive 2014/35/EU
Standards: UNE-EN 62208 and UNE-EN 61439-1
(as applicable).

Intended exclusively for indoor installation in
the tertiary and residential sector



Product series

- Flush-fit boxes with a capacity of 4, 8, 12, 24 and 36 modules with opaque or transparent window.

Material

- Halogen-free plastic materials.
- Base, frame and opaque window: ABS RAL 9003 white.
- Transparent window in tinted PC, with UV protection.

Supply

- Supplied in individual packaging. When several items are sent together, they are bundled together with transparent film. They are supplied with all the elements assembled, except for the ones supplied in the accessory bag.
- Accessory bag:
 - Hermetic caps.
 - Frame-base locking screws.
 - Grey module cover (6 modules).
 - Module identification strips.
 - Assembly instructions.

Window opening and closing by vertical rotation based on an exclusive design that adapts to settings where decoration is highly important



Base

- The flush-fit bases have a 5-mm-wide horizontal rib and reinforcement ribs on the inside and on the outside, thus preventing possible deformations caused by the force applied during flush-fitting.
- The top and bottom sides have knock-outs with the standard metric M25, M32 and M40 diameters so that they can be quickly removed with a screwdriver for cable and pipe entry.
- There is an arrow on the bottom of the base that indicates correct box position; this ensures that the space between the rails is suitable in order to guarantee that power dissipates inside the enclosure correctly, in accordance with the regulations.
- For two rails, the top space must be greater than 115 mm; for three rails the top space must be greater than 135 mm. The bottom space should always be greater than 100 mm.
- The bottom of the base is fitted with supports for attaching neutral and earth bars, as well as the housings for attaching the DIN rail.

Frame-base closing

- The top and bottom sides of the enclosure have clips on the frame and their corresponding housings on the base. With the help of these clips, and applying a little pressure, the frame-base assembly can easily be opened and closed. This is a provisional closure during the installation period. The box is definitively closed by means of four 4x13 screws in the housings located inside the window gap. These screws are supplied in the accessory bag.
- There is a 10-mm frame all around the cover to conceal possible flaws or damage caused during flush-fitting.
- The 40S04-type box has a special closure that seals the box, for which purpose the 25975 sealable kit should be ordered.



Window

- RAL 9003 white opaque windows.
- Transparent window in tinted PC, with UV protection.
- Opening and closing by means of vertical rotation.
- When the windows are opened fully out, they remain anchored in order to facilitate switch control and handling.
- The windows are wave-shaped, giving them a very attractive look, and they adapt perfectly to places where decoration is highly important.

DIN rail attachment

- The sockets have grooved housings for screw-less DIN rail assembly.
- For boxes with two and three rows (24 and 36 modules), the rails are supplied in frame form. This keeps the whole unit assembled comfortably on the workbench, and it can then be moved to the enclosure for the final assembly.



IP40 flush-fit distribution boxes

Reference		No. of modules	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
OW	TW					20	25	30	35	40	
		HEIGHT X WIDTH X DEPTH			KG						
BM4PO	BM4PT	1x4 DIN rail	228x120x97	228x120x65	0.40	4.1	5.1	6.2	7.2	8.2	40E04
BM8PO	BM8PT	1x8 DIN rail	248x190x97	228x190x65	0.62	5.9	7.4	8.8	10.3	11.8	40E08
BM12PO	BM12PT	1x12 DIN rail	248x283x97	228x263x65	0.79	7.8	9.7	11.6	13.6	15.5	40E12
BM24PO	BM24PT	2x12 (24) DIN rail	373x283x97	353x263x65	1.30	11.5	14.4	17.3	20.2	23.1	40E24
BM36PO	BM36PT	3x12 (36) DIN rail	517x283x97	497x263x65	1.87	15.9	19.9	23.9	27.8	31.8	40E36

HALOGEN-FREE PLASTIC MATERIALS

BM4PO: sealable by ordering the 25975 kit.

Frame and base in white ABS RAL 9003.

White opaque window in ABS RAL 9003.

Transparent window in tinted PC, with UV protection.

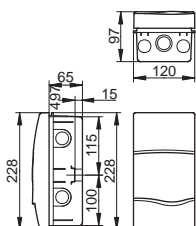
IP40 - Flush-fit.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



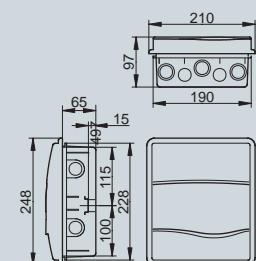
1x4 modules BM4PO

TOP: 2xM25-1xM25/32
BOTTOM.: 2xM25-1xM25/32
LEFT: 2xM25
RIGHT: 2xM25



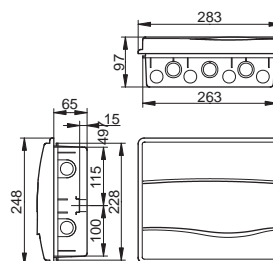
1x8 modules BM8PO

TOP: 2xM25-3xM25/32
BOTTOM: 2xM25-3xM25/32
LEFT: 2xM25
RIGHT: 2xM25



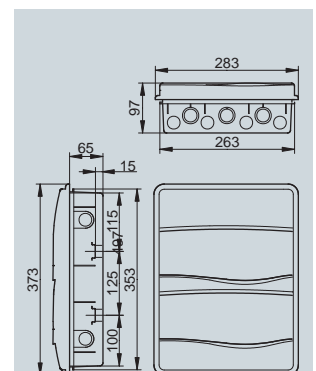
1x12 modules BM12PO

TOP: 4xM25-2xM25/32-1xM32/40
BOTTOM: 4xM25-2xM25/32-1xM32/40
LEFT: 2xM25
RIGHT: 2xM25



2x12 (24) modules BM24PO

TOP: 4xM25-2xM25/32-1xM32/40
BOTTOM: 4xM25-2xM25/32-1xM32/40
LEFT: 2xM25
RIGHT: 2xM25



IP40 flush-fit distribution boxes - with neutral and earth bars

Reference		No. of modules	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
OW	TW					20	25	30	35	40	
			HEIGHT X WIDTH X DEPTH		KG						
BM4PO/RR	BM4PT/RR	1x4 DIN rail	228x120x97	228x120x65	0.47	4.1	5.1	6.2	7.2	8.2	40E04
BM8PO/RR	BM8PT/RR	1x8 DIN rail	248x190x97	228x190x65	0.70	5.9	7.4	8.8	10.3	11.8	40E08
BM12PO/RR	BM12PT/RR	1x12 DIN rail	248x283x97	228x263x65	0.89	7.8	9.7	11.6	13.6	15.5	40E12
BM24PO/RR	BM24PT/RR	2x12 [24] DIN rail	373x283x97	353x263x65	1.46	11.5	14.4	17.3	20.2	23.1	40E24
BM36PO/RR	BM36PT/RR	3x12 [36] DIN rail	517x283x97	497x263x65	2.06	15.9	19.9	23.9	27.8	31.8	40E36

HALOGEN-FREE PLASTIC MATERIALS

Ref. BM4PO/RR sealable by ordering the 25975 kit.

Frame and base in white ABS RAL 9003.

White opaque window in ABS RAL 9003.

Transparent window in tinted PC, with UV protection.

IP40 - Flush-fit.

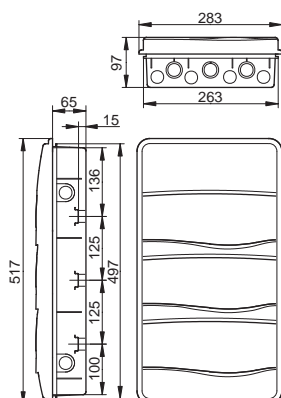
/RR: With neutral and earth bars.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



3x12 (36) modules BM36PO

TOP: 4xM25-2xM25/32-1xM32/40
 BOTTOM: 4xM25-2xM25/32-1xM32/40
 LEFT: 2xM25
 RIGHT: 2xM25



NEW

IP40 flush-fit distribution box

Reference No. type	No. of modules	External dimensions	Dimensions of the flush-fit gap
HEIGHT X WIDTH X DEPTH			
DFE42PO	3x14 (42)	532x334x93	480x300x72

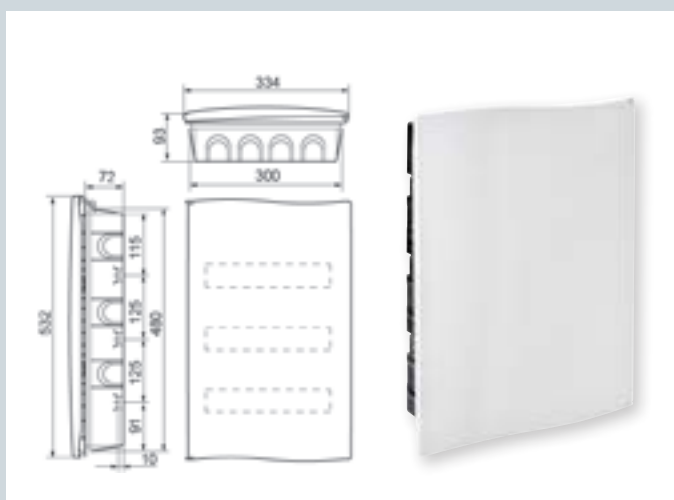
HALOGEN-FREE PLASTIC MATERIALS

Frame and window in white ABS RAL 9003.

Base in black PS.

IP40 - Flush-fit.

3x14 (42) modules DFE42PO





ORO Accessories



SEALABLE KIT FOR 4-MODULE ENCLOSURE.



WHITE MODULE COVER.



CLOSING SCREWS.



INSULATING BAR SUPPORT.

Neutral and earth bars

In some markets, the technical regulations governing installation require neutral and earth conductors to be connected to a common busbar. The base of these boxes has specific supports for this purpose. The neutral and earth bars are assembled to the base by means of the guides located on the top and bottom walls by pressing slightly, with no need for screws.

They may be supplied as an accessory or they can be supplied already assembled by ordering the /RR references.

Neutral and earth bar structure

Type	Ref.	Terminal I		Terminal II		Cable section	
		N	E	N	E	NEUTRAL	EARTH
40E04	92303	4+2	4+2	-	-	2x(4-10 mm ²)+4x(2.5-6 mm ²)	
40E08	92304	8+2	8+2	-	-	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)	
40E12	92301	12+2	12+2	-	-	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)	
40E24	92304	8+2	8+2	8+2	8+2	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)	
40E36	92301	12+2	12+2	12+2	12+2	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)	

ORO ACCESSORIES

IP40 flush-fit distribution boxes

ORO Accessories

Miscellaneous

	Ref.
Sealable kit for 4-module box	25975
4x13 frame-base closing screws	92611
White module cover (6 mod.)	77600

Neutral and earth bars

	Ref.
Press-in insulating bar support	77540
Neutral and earth bar with 6 entries	92303
Neutral and earth bar with 10 entries	92304
Neutral and earth bar with 14 entries	92301

Opaque windows

	Ref.
4 modules	76420
8 modules	76440
12-24-36 modules	76460

Transparent windows

	Ref.
4 modules	76790
8 modules	76800
12-24-36 modules	76760



IP
40

CE



IP40 Flush-fit distribution boxes with steel door

The range of flush-fit distribution boxes with steel door offers a modular capacity from 12 to 70 modules.

The series' design permits maximum accessibility once installed, thus delivering major capacity and space on the inside.

Designed for the commercial or residential sector to guarantee perfect integration in any setting.



SILVER Technical Specifications

- **Degree of protection:** IP40.
- **Resistance to impact:** IK08.
- **Glow wire resistance (on flush-fit base):** 650 °C.
Conventional walls: 650 °C.
Hollow walls (V0 version): 850 °C.
- **Ball pressure test:** 70 °C.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum operating voltage:** 1000 V AC/1500 V DC.

SILVER Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: IEC 62208 and UNE-EN 61439-1 (as applicable).

Designed to guarantee perfect integration in any setting

IP
40

CE



Product series

- Flush-fit boxes for conventional walls with a capacity of 14, 28, 42, 56 and 70 modules with metal door.
- Flush-fit boxes for hollow walls (V0 version) with a capacity of 14, 28, 42, 56 and 70 modules with metal door.

Material

- Frame and opaque window: RAL 9003 white metal sheet steel.
- RAL 9003 white plastic base.

Supply

- Supplied in a single box per packaging multiple.
- Accessory bag:
 - Neutral and earth bars.
 - White module cover.
 - Lid-base locking screws.
 - Assembly Instructions.

Available in two versions: for hollow walls and for conventional walls



Base

- Base comprising a detachable top and bottom part that facilitates the fixing and installation of the distribution trunking.
- The detachable walls are placed on side guides provided for this purpose and are secured by tabs, with easy-to-break knock-outs for cable and pipe entry. It is essential that the detachable covers be fitted before the enclosure is flush-mounted in order to avoid possible deformation.
- There is a "TOP" indication on the base with an arrow to indicate the correct position for installing the enclosure.
- The neutral and earth bars have two possible positions depending on assembly needs. These bars are included in all references.

Packaging

- The box packaging has knock-out figures of the enclosure's size. These figures protect the base of the entry from plaster and dirt during the flush-fitting process.

DIN rail attachment

- The rails are supplied assembled and secured to the bottom of the base by means of 4.4x11 mm screws.

Cover-base closure

- The cover is attached to the base by means of a clip system. As provided for by the applicable legislation, a tool is needed to reopen the assembly.
- It can also be locked by means of two screws on the central part. These screws are supplied in the accessory bag.

Window

- RAL 9003 white metal windows.
- Reversible horizontal 120° opening and closing.
- The window lock has a very attractive finish. There is the possibility of key-locking, supplied as an accessory (Ref. 22020).
- The frame is 15 mm wider than the base, thus concealing possible flaws or damage caused by the flush-fitting.

SILVER ACCESSORIES

Miscellaneous	Ref.	Neutral and earth bars	Ref.
Lock with key	22020	Support + neutral and earth bar 16 entries	22025
Conventional wall accessory bag	22022		
White module cover (6 mod.)	77600		



IP40 flush-fit distribution boxes with steel door - Conventional walls

Reference No. type	No. of modules	Rows	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
						20	25	30	35	40	
SIL12PO	12+2 DIN rail	1	343x368x93	314x314x93	2.38	13.1	16.4	19.7	23.0	26.3	40SIL12
SIL24PO	24+4 DIN rail	2	443x368x93	414x314x93	3.15	16.9	21.1	25.3	29.5	33.7	40SIL24
SIL36PO	36+6 DIN rail	3	568x368x93	539x314x93	3.84	21.5	26.9	32.3	37.7	43.1	40SIL36
SIL48PO	48+8 DIN rail	4	753x368x93	724x314x93	4.88	28.4	35.5	42.6	49.7	56.8	40SIL48
SIL60PO	60+10 DIN rail	5	878x368x93	849x314x93	5.38	34	42.5	51	59.5	68	40SIL60

HALOGEN-FREE PLASTIC MATERIALS

Neutral and earth bars included.

White plastic base in ABS RAL 9003.

Frame and window in white metal sheet RAL 9003.

IP40 - Flush-fit - Conventional walls.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



**12+2 modules
SIL12PO**



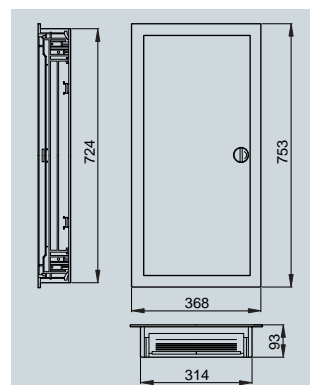
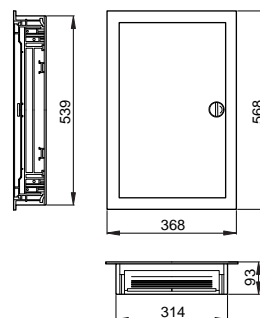
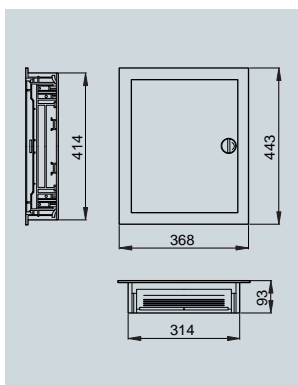
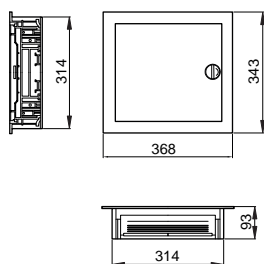
**24+4 modules
SIL24PO**



**36+6 modules
SIL36PO**



**48+8 modules
SIL48PO**



IP40 flush-fit distribution boxes with steel door - Hollow walls

Reference No. type	No. of modules	Rows	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
						20	25	30	35	40	
SIL12PO/VO	12+2 DIN rail	1	343x368x93	314x314x93	2.38	13.1	16.4	19.7	23.0	26.3	40SIL12
SIL24PO/VO	24+4 DIN rail	2	443x368x93	414x314x93	3.15	16.9	21.1	25.3	29.5	33.7	40SIL24
SIL36PO/VO	36+6 DIN rail	3	568x368x93	539x314x93	3.84	21.5	26.9	32.3	37.7	43.1	40SIL36
SIL48PO/VO	48+8 DIN rail	4	753x368x93	724x314x93	4.88	28.4	35.5	42.6	49.7	56.8	40SIL48
SIL60PO/VO	60+10 DIN rail	5	878x368x93	849x314x93	5,38	34,0	42,5	51,0	59,5	68,0	40SIL60

HALOGEN-FREE PLASTIC MATERIALS

Neutral and earth bars included.

White plastic base in ABS RAL 9003.

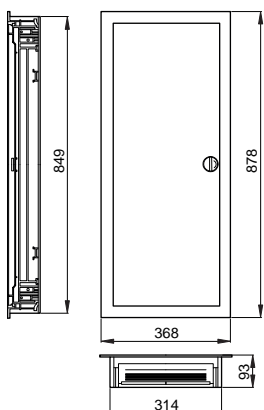
Frame and window in white metal sheet RAL 9003.

IP40 - Flush-fit - Hollow walls.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



**60+10 modules
SIL60PO**



IP
30

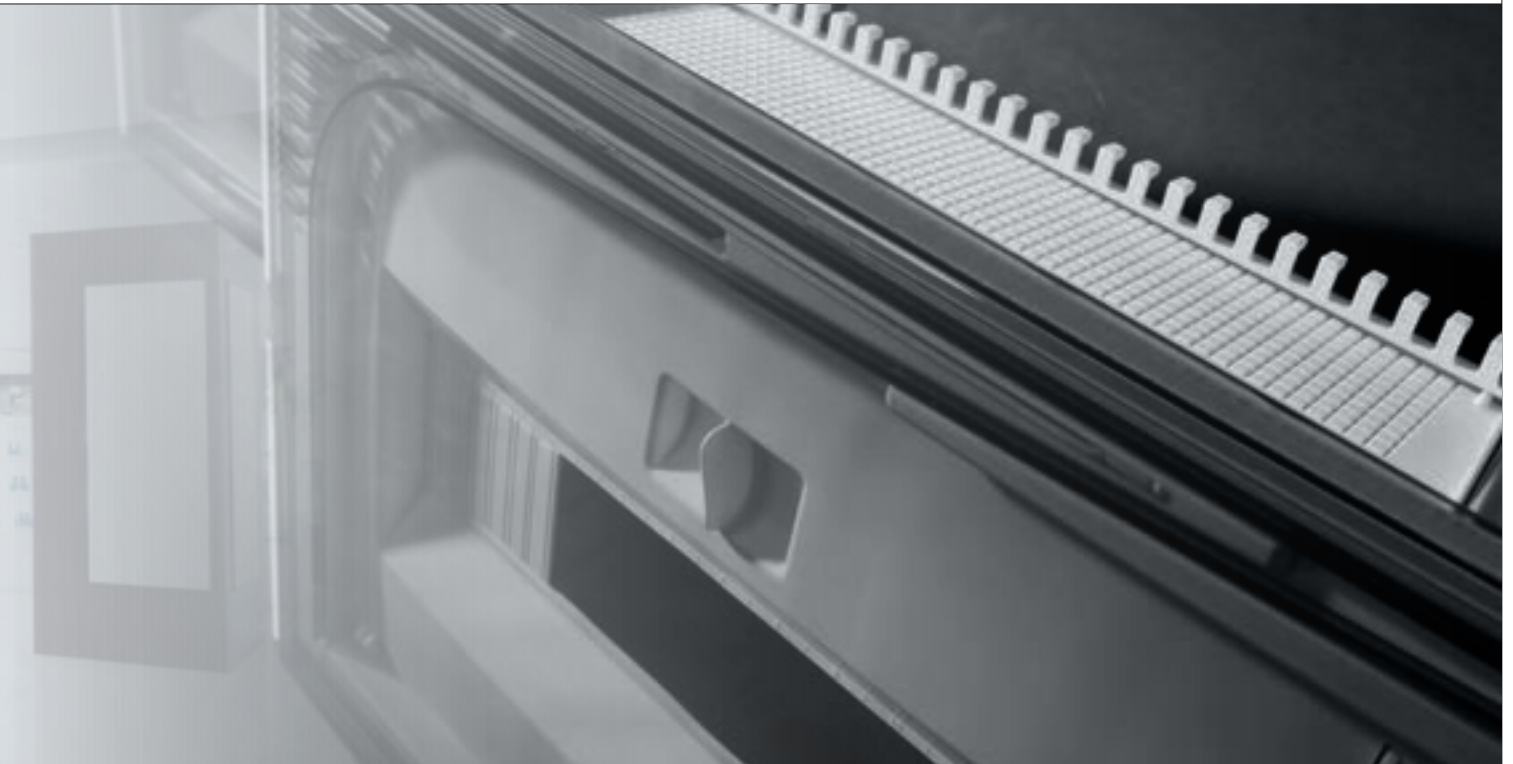
CE



IP30 Flush-fit distribution boxes for hollow walls

The HABITAT series of flush-fit distribution boxes for hollow walls can be installed in prefabricated walls (such as plasterboard, wood, fibreboard, etc.) and in solid or brick walls.

They are intended for the tertiary and residential sector and adapt perfectly to any kind of ambience, perfectly integrating into the surrounding decoration.



HABITAT Technical Specifications

- **Degree of protection:** IP30.
- **Resistance to impact:** IK08.
- **Glow wire resistance:**
 - For hollow walls (30PH type):
 - 850 °C in flush-fit bases.
 - 650 °C in the rest of the set.
 - Conventional walls (30EM type): 650 °C.
- **Ball pressure test:** 70 °C.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum operating voltage:** 1000 V AC/1500 V DC.

HABITAT Certifications



Compliant with the Low Voltage Directive 2014/35/EU
Standards: UNE-EN 62208 and UNE-EN 61439-1
(as applicable).

They adapt to any ambience, perfectly integrating into the surrounding decoration

IP
30

CE



Product series

- 14, 28 and 42-module flush-fit enclosures with opaque window.
 - Version for hollow walls (30PH type).
 - Version for conventional walls (30EM type).

Material

- Halogen-free plastic materials.
- Frame and opaque window: ABS RAL 9003 white.
- Base: PS RAL 7035 grey.

Supply

- Supplied in individual packaging. When several items are sent together, they are bundled together with transparent film. They are supplied with all the elements assembled, except for the ones supplied in the accessory bag.
- Accessory bag:
 - White module cover (6 modules).
 - Module identification strips.
 - 4x13 screws.
 - 4x10 screws.
 - 4x25 screws.
 - 4 hollow wall mounting elements (PH type).
 - Window clips.
 - Assembly instructions.

Available in two versions: for hollow walls and for conventional walls



Base

- The flush-fit base is not a single part, but rather the top and bottom part are provided separately in order to facilitate the mounting and assembly of the distribution trunking. The top and bottom parts of the base have tabs that secure the trunking perfectly with flanges.
- The top and bottom covers are inserted on specific side guides and then secured with 4x13 screws. It has a grid that the installer can use as a guide in order to easily cut out the area required depending on the diameter and the layout of the distribution trunking. It is important to fit the top and bottom covers before flush-fitting in order to avoid possible base deformations.
- Four elements are provided to mount the base to the wall in PH (hollow wall) references. These elements will be placed in the guide channel and will rise as far as the wall, applying pressure to it, forming a kind of clamp with the wing of the base. The permitted range of wall widths for the mounting elements to work properly is from 6 to 30 mm.
- There are small holes along the wing of the base that can be used to easily mark the flush-fit gap.

- The base is totally reversible, which means that the installer does not need to worry about the direction in which they fit the enclosure into the wall.

Frame-base closing

- The frame is secured to the base by means of four 4x25 screws supplied in the accessory bag.
- The housing for tightening the screws on the base is rectangular in order to allow for possible deviations in the level of the flush-fitted base.
- The frame has a height of 15 mm all around the base to conceal possible flaws or damage caused during flush-fitting.
- In order to maintain the right distances from the rails to the top and bottom part of the enclosure, there is a "TOP" indication on the frame with an arrow to indicate the correct installation position.



Cover-frame closing

- The cover that protects the equipment and the wiring inside the enclosure is assembled by means of a practical and straightforward clipping system. In accordance with regulations, a tool must be used to reopen the cover once the frame has been clipped on.
- The enclosure has four sealable points.

Window

- RAL 9003 white opaque windows.
- Reversible horizontal 180° opening and closing.
- The window is closed by a clipping system.

DIN rail attachment

- A single rail is installed for the 14-base modules, while a frame is installed as standard format for 28 and 42-module sockets.
- The rails can be attached to the bottom of the base using the housings made for this purpose and screwed to the top part by means of 4x13 screws.
- They can also be secured to the frame by means of a clipping system on the ends of the rail. This can be complemented with two 4x10 screws that are supplied in the accessory bag.



IP30 flush-fit distribution boxes for hollow walls

Reference No. type	No. of modules	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type	
					20	25	30	35	40		
		HEIGHT X WIDTH X DEPTH			KG						
PH14B0	1x14 DIN rail	277x385x100	243x335x85	1.64	10.8	13.5	16.2	18.9	21.6	30P14	
PH28B0	2x14 (28) DIN rail	427x385x100	393x335x85	2.63	16.6	20.8	25.0	29.1	33.3	30P28	
PH42B0	3x14 (42) DIN rail	597x385x100	563x335x85	4.05	23.2	29.0	34.8	40.6	46.5	30P42	

IP30 flush-fit distribution boxes for conventional walls

Reference No.	No. of modules	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
					20	25	30	35	40	
		HEIGHT X WIDTH X DEPTH			KG					
EM14B0	1x14 DIN rail	277x385x100	243x335x85	1.58	10.8	13.5	16.2	18.9	21.6	30P14
EM28B0	2x14 (28) DIN rail	427x385x100	393x335x85	2.50	16.6	20.8	25.0	29.1	33.3	30P28
EM42B0	3x14 (42) DIN rail	597x385x100	563x335x85	3.60	23.2	29.0	34.8	40.6	46.5	30P42

HALOGEN-FREE PLASTIC MATERIALS

For the PH references the wall-mounting elements are included.

Neutral and earth bars included in all references.

Frame and window in RAL 9003 white ABS.

Base in RAL 7035 grey.

IP30 - Flush-fit.

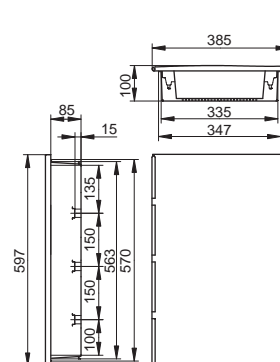
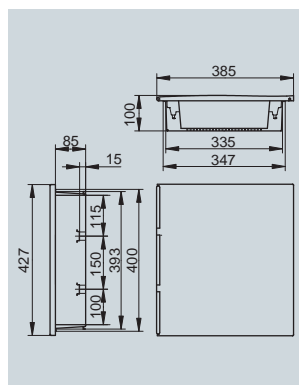
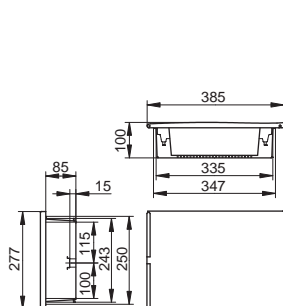
* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



**1x14 modules
PH/EM14B0**

**2x14(28) modules
PH/EM28B0**

**3x14(42) modules
PH/EM42B0**



HABITAT Accessories



HOLLOW-WALL MOUNTING ACCESSORIES.

DIN RAIL 14/28/42 MODULES.

WHITE MODULE COVER.

MODULAR LIDS.

Neutral and earth bars

In some markets, the technical regulations governing installation require neutral and earth conductors to be connected to a common busbar. The Habitat series frames have a series of tabs at the top and the bottom where the necessary bar supports can be fitted. These enclosures have different tabs along the frame wall so that the installer can use the ones that best suit the wiring distribution in the unit.

All the references of this series are supplied with the neutral and earth bars included.

Neutral and earth bar structure

Type	Ref.	Terminal				Cable section	
		Terminal I		Terminal II			
		N	E	N	E	NEUTRAL	EARTH
30EM-PH14	92301	12+2	12+2	-	-	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)
30EM-PH28	92304	8+2	8+2	8+2	8+2	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)	1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²)
30EM-PH42	92301	12+2	12+2	12+2	12+2	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)	1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²)

HABITAT Accessories

Miscellaneous	Ref.
DIN rail 14/28/42	92765
White module cover (6 mod.)	77600
Hollow wall accessory bag	94037
Covers	Ref.
Cover for 30P14	74702
Cover for 30P28	74712
Cover for 30P42	74722

Neutral and earth bars	Ref.
Press-in insulating bar support	77540
Neutral and earth bar with 6 entries	92303
Neutral and earth bar with 10 entries	92304
Neutral and earth bar with 14 entries	92301
Opaque windows	Ref.
14 modules	76902
28 modules	76912
42 modules	76922



Mechanism and junction boxes for hollow walls

Mechanism and junction boxes specially designed to be installed in prefabricated walls (such as plasterboard, wood, fibreboard, etc.). Manufactured with high-quality and high-strength materials that make installation and flush-fitting easy. Designed for circuits whose voltage is not greater than 400 V in alternating current and a maximum current of 16A.

DOMOS-K



DOMOS-K Technical Specifications

- Glow wire resistance: 850 °C.
- Ball pressure test: 70 °C.
- Ambient temperature range: -5 °C / +40 °C.
- Maximum operating voltage: 400 V.

DOMOS-K Certifications



Compliant with the Low Voltage Directive 2014/35/EU
Standards: UNE-EN 60670-1-22.

Designed to be installed in plasterboard and prefabricated walls



Product series

- 5 models for mechanism boxes of 1, 2, 3, 4 and 5 crowns.
- 3 models for junction boxes.

Material

- Self-extinguishing PVC (lead-free).
- Colour: yellow base. RAL 9003 white cover.

Supply

- Supplied in boxes per packaging multiple.
- D70-type boxes include:
 - Screws for mounting in hollow walls already mounted.
 - Partition (except reference D70/1K).
- CT-type boxes include:
 - Screw-on cover and screws for hollow wall-mounting, included in bag.
- CT115/K reference includes a partition.
- CT217/K reference is supplied with the screws assembled.

Side and rear entries with double elastic material injection for maximum insulation



Mechanism boxes. Base

- They have a circular shape with a 60-mm separation between screws on the inside, thus fulfilling the standard distances for the different mechanisms.
- References 1K and 2K have entries manufactured with elastic material, permitting the installation of 16, 20 and 25-mm pipes.
- References 3K, 4K and 5K have easy-to-remove knock-outs for the installation of cables with a diameter of 10 or 20 mm.
- Guaranteed airtight, even with a cable or pipe installed, thus preventing currents of air through the installation.
- The boxes are mounted with 45-mm-long screws with latch and triple thread for quick installation. These screws are supplied assembled in all references.
- At the rear, at the bottom of the multiple boxes, there are guides to make it easier to mark the drill hole position on the wall, thus facilitating installation.
- The references 1K and 2K have a protective cover, supplied as an accessory (Ref. 45915 and 45916) to prevent plaster from getting inside the enclosure during flush-fitting and plastering.
- All references (except 1K) have a partition between crowns.



Junction boxes. Base

- The flush-fit junction boxes have easy-to-remove knock-outs on the side walls for the entry of 8, 10, 20 and 32-mm diameter trunking. They also have oblong-shaped knock-outs and knock-outs for the entry of sloping 10 and 20-mm pipes.
- These knock-outs help to make pipe outlets that are sloping with regard to the planes of the ceiling and walls, reducing the outgoing tube's curvature when the enclosure is assembled in a high position, near the ceiling or in areas where there are different heights.
- There are recesses at the bottom for the installation of internal elements.
- At the rear, there are guides to make it easier to mark the drill hole position on the wall, thus facilitating installation.
- The boxes are mounted with 45-mm-long screws with latch and triple thread for quick installation. These screws are supplied assembled in reference CT217/K.

- Reference CT115/K permits the connection of two different circuits up to a voltage of 400 V, separated by a partition included in the box.
- The side of references CT155K and CT217/K can be broken in order to facilitate cable handling.

Junction boxes. Cover

- The cover has a slightly rough (satin) texture that facilitates the adherence of paint used to decorate the walls, and is wider than the base in order to correct possible flaws or damage caused by the flush-fitting.
- Cover attached with 2.8x13 mm metal screw. In the CT155/K and CT217/K models the cover is supplied assembled and screwed.
- The housing of the screws in the base makes it possible to level the cover if the base is not perfectly level when it is fitted.



Mechanism boxes for hollow walls

Reference No. type	Dimensions of the flush-fit gap HEIGHT X WIDTH X DEPTH	Crown (mm)	Entry holes	Weight KG	Power dissipation according to temperature increase °C P(W)*					Type
					20	25	30	35	40	
D70/1K	Ø70x50	70	4xØ16/20 4xØ20/25	0.03	0.8	1.0	1.2	1.4	1.6	30D1K70
D70/2K	138x68x50	70	2xØ16/20 2xØ20/25 14xØ6/10	0.09	1.6	2.0	2.5	2.9	3.3	30D2K70
D70/3K	213x70x45	70	10xØ20 6xØ10 8xØ10x20 14xØ20	0.12	2.5	3.1	3.7	4.3	4.9	30D3K70
D70/4K	285x70x45	70	8xØ10 12xØ10x20 18xØ20	0.16	3.3	4.1	4.9	5.7	6.5	30D4K70
D70/5K	354x70x45	70	12xØ10 14xØ10x20	0.23	4.1	5.1	6.1	7.2	8.2	30D5K70

HALOGEN-FREE PLASTIC MATERIALS

The screws for mounting on hollow walls are supplied assembled in all references.

Ref. 1K-2K with double-injection elastic entries.

Ref. 2K-3K-4K-5K with partition.

Self-extinguishing PVC (lead-free).

Yellow base.

Flush fit - Hollow walls.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



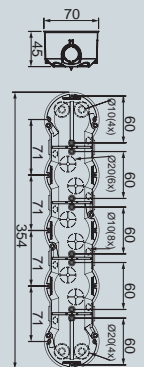
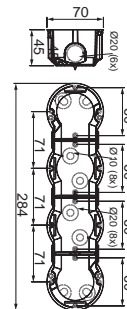
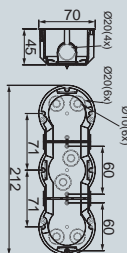
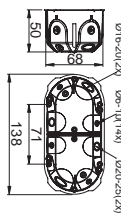
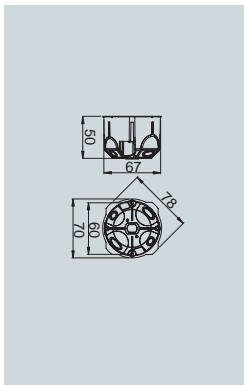
D70/1K

D70/2K

D70/3K

D70/4K

D70/5K



Junction boxes with metal screws for hollow walls

Reference No. type	Dimensions of the flush-fit gap HEIGHT X WIDTH X DEPTH	Crown (mm)	Entry holes	Weight (KG)	Power dissipation according to temperature increase °C P(W)*					Type
					20	25	30	35	40	
CT115/K	115x115x45	40	4xØ20 12xØ10	0.17	1.9	2.4	2.9	3.3	3.8	30DK115
CT155/K	155x155x64	40	8xØ30 4xØ16 6xØ25 20xØ10 14xØ20 8xØ10x20	0.24	3.5	4.4	5.3	6.2	7.1	30DK155
CT217/K	234x176x79	40	Ø10-Ø40	0.55	6.0	7.5	9.0	10.5	12.0	30DK217

HALOGEN-FREE PLASTIC MATERIALS

Ref. CT115/K with partition.

Ref. CT217/K supplied with screws for hollow walls already assembled.

Self-extinguishing PVC (lead-free).

Yellow base - white cover RAL 9003.

Flush fit - Hollow walls.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

DOMOS-K accessories

Miscellaneous	Ref.
Cover for D70/1K	45915
Cover for D70/2K	45916
Cover for CT115/K	45920
Cover for CT155/K	45921
Cover for CT217/K	45922



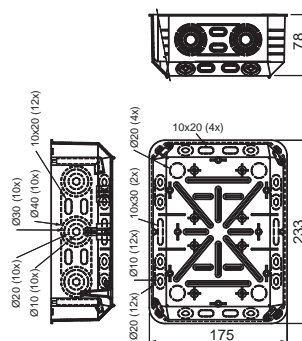
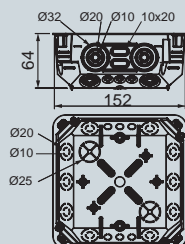
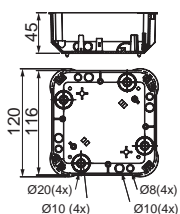
CT115/K



CT155/K



CT217/K



IP
33

CE



IP33 Mechanism and junction boxes

The DOMOS series is a set of flush-fit junction boxes for indoor installations in the tertiary and residential sector.

These boxes consist of a base and a blanking cover, and the three smallest sizes are manufactured in two versions, a version with a cover closed using screws and a version with a cover closed by means of plastic claws.

This family is complemented with the 60 and 70 mm flush-fit mechanisms boxes.



DOMOS Technical Specifications

- Degree of protection: IP33*.
- Resistance to impact: IK07*.
- Glow wire resistance: 650 °C.
- Ball pressure test: 70 °C.
- Ambient temperature range: -5 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.

* Except reference D88.

DOMOS Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 60670-1-22.

Flush-fit junction boxes for indoor installations in the tertiary and residential sector



Product series

- Enclosure for 60-mm mechanisms (Ref. D88).
- Ten junction box models consisting of base and blanking cover. With possibility of metal screw and plastic claw (depending on models).

Material

- Halogen-free plastic materials.
- Mechanisms:
D88: Black PS.
- Junction boxes:
Base: Black PS.
Cover: PS RAL 9003 white.
D70-D100: Self-extinguishing PVC RAL 9003 white.

Supply

- The boxes are supplied individually, shrink-wrapped and in multiple cardboard packaging, according to minimum packaging units.
- The D88 boxes are supplied on pallets. Minimum amount of 7680 pieces per order. Their storage system permits 20% space saving.

Easy-to-remove knock-outs for the entry of 25, 32 and 40-mm trunking and pipes

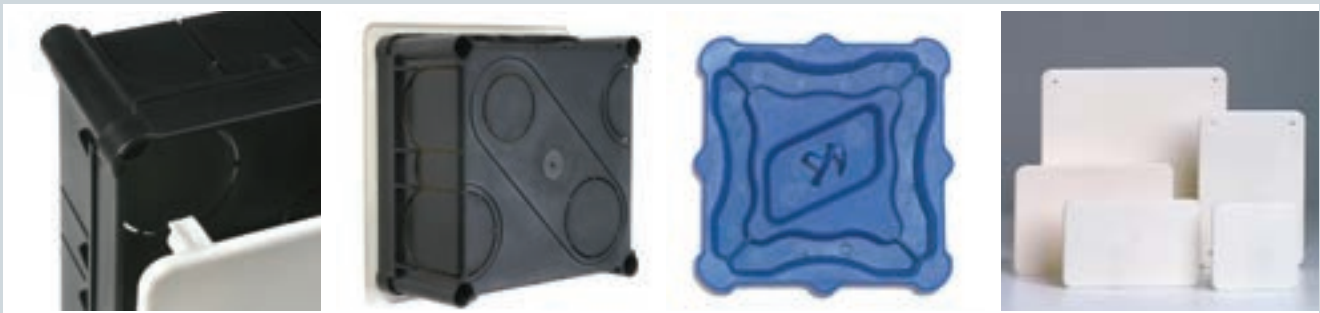


Reference D88

- These are square boxes with a 60-mm diameter circle on the inside to comply with the distance between standard screws for the different electric mechanisms.
- The boxes have a depth of 42 mm, which is a major advantage, particularly for the connection of Schuko-type sockets that take up the whole box area.
- There are folds on the sides that give the box greater rigidity against the forces created during flush-fitting.
- 20 or 25-mm pipes can be inserted.
- Supplied in blocks of four units, which may be fitted either joined together or individually. Once they have been separated, they can be connected again by the ribs on the sides.
- The boxes are supplied with 2.9x16 mm screws already assembled, intended to secure the mechanisms that will be installed on the inside. For mechanisms installed by means of the claw system, the enclosure has small recesses on the sides that secure the mechanisms perfectly.
- They have a protective cover, supplied as an accessory (Ref. 94380) to prevent plaster from getting inside the enclosure during flush-fitting and plastering.

Junction boxes. Base

- The geometry of the junction box flush-fit bases is such that it guarantees perfect installation on the wall, as well as the necessary rigidity to withstand the stress derived from the flush-fitting and interior wiring.
- The bottom and the sides of the boxes have easy-to-remove knock-outs for the entry of 25, 32 and 40-mm diameter trunking (depending on the version). They also have knock-outs for the entry of sloping pipes if the installation so requires.
- These entries are extra thick to prevent the box from breaking when the knock-outs are removed.
- For the CT/D210 – CT220 and CT225 versions: The bases have a wing around the side to make sure that the enclosure is perfectly secure and flush, besides affording it high rigidity to prevent possible deformations.
- The bottom has diagonal and straight recessed overhangs that allow the installer to screw terminals, bars or other accessories to the bottom.



Cover

- The cover has a slightly rough (satin) texture that facilitates the adherence of paint used to decorate the walls. This cover is wider than the base in order to cover possible flaws or damage caused by the flush-fitting.
- The covers for these boxes come in two versions, one closed using metal screws and another closed by means of plastic claws.

References D110 – D114 – D210

- They are closed by means of an extra-flat cover with a plastic claw to be able to adapt the cover functionally and aesthetically, concealing any alignment flaws generated during the flush-fitting. The length of the claws is 22 mm and they are tightened as soon as they are inserted, thus permitting good grip.

CT references in all versions:

- They are closed by means of an extra-flat plastic cover with 4x13 plastic threaded screws that are supplied with the enclosure in the accessory bag. The screws are inserted into the base in a rectangular housing so that the cover can be levelled in the event of possible flaws in the base caused by the flush-fitting.



Mechanism boxes

Reference No. type	Dimensions of the flush-fit gap HEIGHT X WIDTH X DEPTH	Weight KG	Power dissipation according to temperature increase °C P(W)*					Type
			20	25	30	35	40	
D88	71x71x43	0.03	0.9	1.1	1.3	1.5	1.7	30DE80

IP33 junction boxes with plastic claw

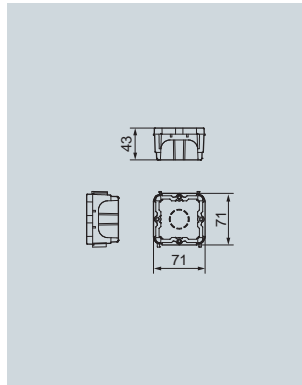
Reference No. type	Dimensions of the flush-fit gap HEIGHT X WIDTH X DEPTH	Weight KG	Power dissipation according to temperature increase °C P(W)*					Type
			20	25	30	35	40	
D70	Ø73x42	0.05	0.9	1.1	1.3	1.6	1.8	30DE70
D100	Ø103x50	0.09	1.7	2.1	2.5	2.9	3.3	30DE100
D110	108x108x50	0.09	2.2	2.7	3.2	3.8	4.3	30DE110
D114	108x168x50	0.14	3.3	4.1	4.9	5.7	6.5	30DE114
D210	148x218x57	0.20	4.6	5.8	6.9	8.1	9.2	30DE210

HALOGEN-FREE PLASTIC MATERIALS

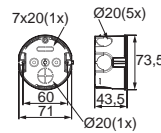
Base in black PS and cover in RAL 9003 white PS / D70-D100: Base and cover in self-extinguishing RAL 9003 white PVC.

IP33 (Except D88) - Flush-fit.

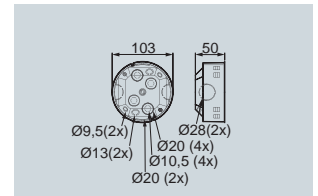
D88



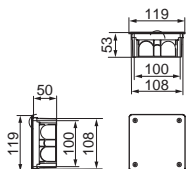
D70



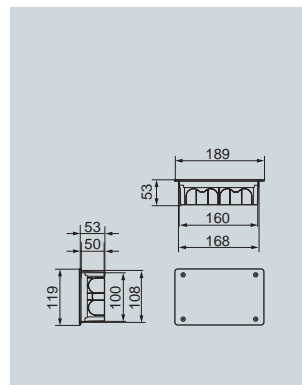
D100



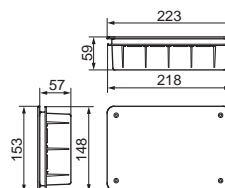
D110/CT110



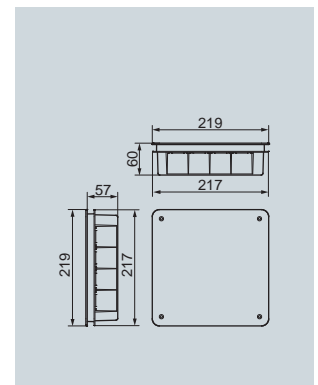
D114/CT114



D210/CT210



CT220



IP33 junction boxes with metal screw

Reference No. type	Dimensions of the flush-fit gap HEIGHT X WIDTH X DEPTH	Weight KG	Power dissipation according to temperature increase °C P(W)*					Type
			20	25	30	35	40	
CT110	108x108x50	0.09	2.2	2.7	3.2	3.8	4.3	30DE110
CT114	108x168x50	0.14	3.3	4.1	4.9	5.7	6.5	30DE114
CT210	148x218x57	0.20	4.6	5.8	6.9	8.1	9.2	30DE210
CT220	217x217x57	0.36	6.3	7.8	9.4	11.0	12.5	30DE220
CT225	268x268x66	0.48	9.5	11.9	14.3	16.7	19.1	30DE225
CT326	223x318x60	0.60	8.9	11.1	13.4	15.6	17.8	ICT RTR RT-VTLCA
CT338	404x404x120	1.76	21.9	27.4	32.9	38.3	43.8	ICT RP3838
CT536	326x518x60	2.29	19.7	24.6	29.5	34.4	39.3	ICT RTR INT

HALOGEN-FREE PLASTIC MATERIALS

Base: Black PS.

Cover: RAL 9003 white PS.

IP33 - Flush fit.

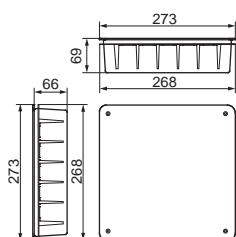
* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

DOMOS Accessories

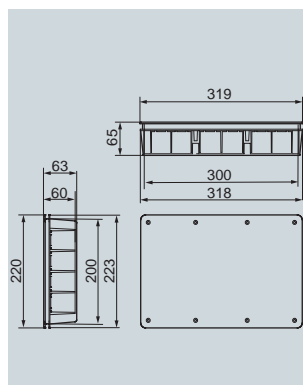
Miscellaneous	Ref.		Ref.
Cover for D88	94380	Cover for CT220 (screws)	74490
Cover for CT110 (screws)	74480	Cover for CT225 (screws)	74515
Cover for D110 (clips)	74485	Cover for CT326 (screws)	74460
Cover for CT114 (screws)	74450	Cover for CT338 (screws)	74500
Cover for D114 (clips)	74455	Cover for CT536 (screws)	74470
Cover for CT210 (screws)	74510	4x13 screws for covers	92611
Cover for D210 (clips)	74512		



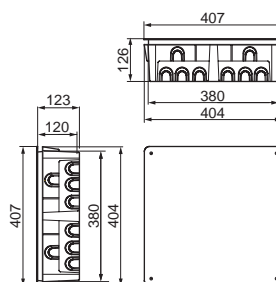
CT225



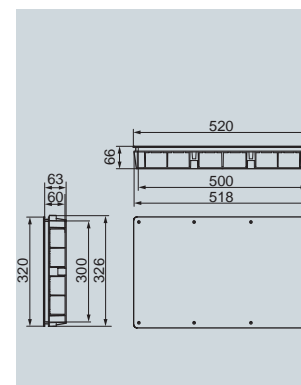
CT326



CT338



CT536



IP
65

IP
67

CE



IP65-IP67 Junction boxes

The LIGHT series is a set of watertight surface boxes intended for electrical junctions or for watertight trunking boxes.

They can also be used to build electrical or electronic switchboards. With the right accessories, small terminal junction boxes can be built, and power sockets can be used to create small electric power supply blocks.

This series is completed with the motor-protection and electrical and electronic protection boxes for machine tools or similar applications.



LIGHT Technical Specifications

- Degree of protection: IP65-IP67*.
- Resistance to impact: IK07.
- Glow wire resistance: 650 °C.
- Ball pressure test: 70 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.

* Except EP048, EP088 and EX088 (IP54) references.

LIGHT Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: IEC 60998-2-5.

Intended for electrical junctions or for watertight trunking boxes



Product series

Standard:

- Seven watertight junction boxes.
- Three watertight motor-protection boxes.
- Each of these models is manufactured in three different versions:
 - With conical cable glands.
 - With knock-out sides.
 - With plain sides.
- The three largest models are available with opaque or transparent cover.
- A series of assemblies with standard power sockets is offered.

Special:

- Using the basic versions, special versions can be created to suit the needs of each customer or to comply with the specific regulations of the target markets.
- Special assemblies with power sockets can be supplied in any combination, with no minimum order quantity.

Supply

- The boxes are supplied individually, shrink-wrapped and in multiple cardboard packaging, according to minimum packaging units.
- EP48 is not supplied shrink-wrapped, it is supplied with the label over the cover.
- Boxes with conical cable glands are supplied with the cone assembled.
- Accessory bag:
Bag with 2 arrow screws plus 2 screws without arrow.

Material

- Halogen-free plastic materials.
- Opaque base and cover: Shock-proof PS RAL 7035.
- Transparent cover: PC tinted window, with UV protection.
- Conical cable glands: rubber.

Possibility of special assemblies with no minimum order quantity

Table for DIN rails

Box type	Direction	Hole distance	Rail length	Rail code
		(mm)	(mm)	
65DS111	Vertical	77.5	90	92711
	Horizontal	77.5	90	
65DS161	Vertical	77.5	90	92711
	Horizontal	127	137	92713
65DS/GS171	Vertical	127	137	92713
	Horizontal	127	137	
65DS/GS231	Vertical	139	166	92721
	Horizontal	187	214	92722
65DS/GS322	Vertical	187	214	92722
	Horizontal	312	325	



Base

- The junction and motor-protection boxes are available in three versions:
Plain walls.
Walls with closed knock-outs, adapted to the metric and easy to remove.
Walls with cut-outs for fitting conical cable glands.
- The wall-mounting points are located at the bottom of the base and can be hermetically isolated using caps that guarantee the box's IP protection and dielectric strength. These caps are supplied as an accessory (Ref. 77650).
- There are also slotted ribs at the bottom of the base for securing tap-off terminals and plates.
- The supports for securing the DIN rails are also located there. They can be ordered as an accessory (see page 284).
- There are closed knock-outs on the outside of the box bottom to facilitate the entry of cables from the back.
- There are vertical ribs on the four inside walls to give the part greater rigidity.
- There are also open or closed cut-outs, depending on the versions. These cut-outs have a diameter of 25 or 40 mm and the number and size depends on the box size.

Covers

- The covers are smooth and rounded and, together with the inside ribs, afford the whole unit excellent rigidity.
- In the 111 to 322 models, the covers have a continuous recess for an injected rubber gasket that guarantees maximum IP65-IP67 protection. These covers have a clip to make the screws captive.
- The EP048 and EP088 models have a base-cover clipping system that delivers IP54 protection.
- The covers used for motor-protection boxes are higher to be able to house the electrical devices typical of this type of box.

Screws

- These boxes are supplied with four ¼ turn screws made captive by means of a clip located on the cover.
- Two of the screws have pins that give the cover a hinge effect and keep the unit together.
- These screws have a hole through them, and once in place they face a hole in the cover, making it possible to seal the box and prevent access to the inside.



Conical cable glands

- The conical cable glands have diameters of 25 mm and 40 mm.
- They are supplied in the EP*** and EV*** versions and are always assembled in the box.
- The cones are manufactured with a flexible rubber material that guarantees a suitable degree of protection in all cases.
- The design of the cones consists of rings placed at different heights. Each one of these rings corresponds to a pipe diameter for electrical installations, so that if they are cut to different heights the pipe can be inserted into the box through the conical cable gland, maintaining a perfect fit and guaranteeing watertightness.

Ø of rings depending on cone model

Cones	Size 1	Size 2	Size 3	Size 4	Size 5
M25	-	25 mm	20 mm	16 mm	20 mm
M40	32 mm	25 mm	-	16 mm	20 mm



Boxes with opaque cover

Ref. type	Dimensions	Description	Cable entry/ No. cones		Weight KG	Power dissipation according to temperature increase °C P[W]*					Type
			M25	M40		20	25	30	35	40	
HEIGHT X WIDTH X DEPTH											
EP048	∅84x50	With conical cable glands	4	-	0.07	1.6	2.0	2.4	2.9	3.3	54DS048
EP088	84x84x50	With conical cable glands	7	-	0.08	1.6	2.0	2.4	2.9	3.3	54DS088
EV111	108x108x64	With conical cable glands	7	-	0.16	2.7	3.4	4.0	4.7	5.4	65DS111
EV161	116x162x76	With conical cable glands	6	4	0.25	3.8	4.7	5.7	6.6	7.6	65DS161
EV171	151x175x95	With conical cable glands	6	4	0.38	6.0	7.5	9.0	10.5	12.1	65DS171
EV231	180x241x95	With conical cable glands	4	6	0.53	8.6	10.8	13.0	15.1	17.3	65DS231
EV322	239x328x129	With conical cable glands	-	12	1.17	15.7	19.6	23.6	27.5	31.4	65DS322
Knock-out entries											
EX088	84x84x50	Knock-out entries	7	-	0.06	1.6	2.0	2.4	2.9	3.3	54DS088
EX111	108x108x64	Knock-out entries	7	-	0.14	2.7	3.4	4.0	4.7	5.4	65DS111
EX161	116x162x76	Knock-out entries	6	4	0.21	3.8	4.7	5.7	6.6	7.6	65DS161
EX171	151x175x95	Knock-out entries	6	4	0.32	6.0	7.5	9.0	10.5	12.1	65DS171
EX231	180x241x95	Knock-out entries	4	6	0.46	8.6	10.8	13.0	15.1	17.3	65DS231
EX322	239x328x129	Knock-out entries	-	12	1.06	15.7	19.6	23.6	27.5	31.4	65DS322
Plain sides											
EL111	108x108x64	Plain sides	-	-	0.14	2.7	3.4	4.0	4.7	5.4	65DS111
EL161	116x162x76	Plain sides	-	-	0.22	3.8	4.7	5.7	6.6	7.6	65DS161
EL171	151x175x95	Plain sides	-	-	0.38	6.0	7.5	9.0	10.5	12.1	65DS171
EL231	180x241x95	Plain sides	-	-	0.47	8.6	10.8	13.0	15.1	17.3	65DS231
EL322	239x328x129	Plain sides	-	-	1.06	15.7	19.6	23.6	27.5	31.4	65DS322

HALOGEN-FREE PLASTIC MATERIALS

Base and opaque cover: PS RAL 7035 - Rubber cones RAL 7035.

Surface boxes.

References EP048-EP088-EX088: IP54.

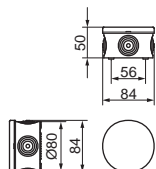
References EV: IP65.

References EX-EL: IP65-IP67.

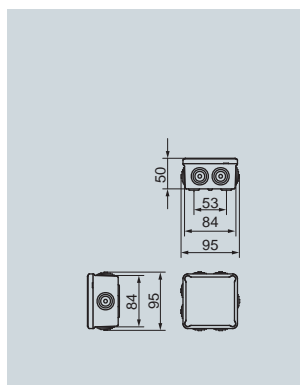
* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



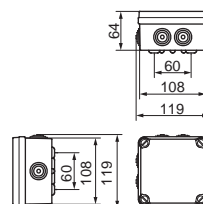
EP048



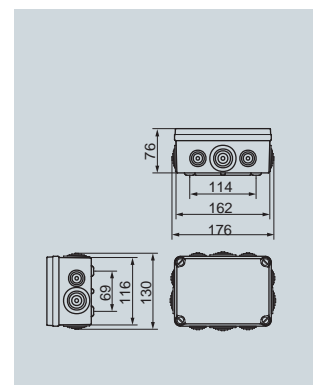
EP/EX088



EV/EX/EL111



EV/EX/EL161



Boxes with transparent cover

Ref. type	Dimensions	Description	Cable entry/ No. conical glands		Weight KG	Power dissipation according to temperature increase °C P[W]*					Type	
			M25	M40		20	25	30	35	40		
	HEIGHT X WIDTH X DEPTH											
EVT171	151x175x95	With conical cable glands	6	4	0.38	6.0	7.5	9.0	10.5	12.1	65DS171	
EVT231	180x241x95	With conical cable glands	4	6	0.53	8.6	10.8	13.0	15.1	17.3	65DS231	
EVT322	239x328x129	With conical cable glands	-	12	1.17	15.7	19.6	23.6	27.5	31.4	65DS322	
EXT171	151x175x95	Knock-out entries	6	4	0.32	6.0	7.5	9.0	10.5	12.1	65DS171	
EXT231	180x241x95	Knock-out entries	4	6	0.46	8.6	10.8	13.0	15.1	17.3	65DS231	
EXT322	239x328x129	Knock-out entries	-	12	1.06	15.7	19.6	23.6	27.5	31.4	65DS322	
ELT171	151x175x95	Plain sides	-	-	0.38	6.0	7.5	9.0	10.5	12.1	65DS171	
ELT231	180x241x95	Plain sides	-	-	0.47	8.6	10.8	13.0	15.1	17.3	65DS231	
ELT322	239x328x129	Plain sides	-	-	1.06	15.7	19.6	23.6	27.5	31.4	65DS322	

HALOGEN-FREE PLASTIC MATERIALS

Opaque base: PS RAL 7035 - Transparent cover: PC, tinted, with UV protection - Cones: Rubber RAL 7035.

Surface boxes.

References EV: IP65.

References EX-EL: IP65-IP67.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



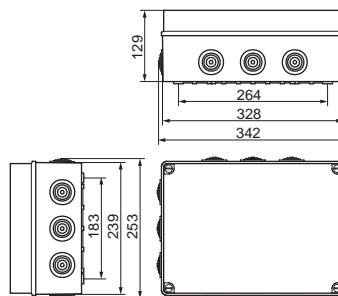
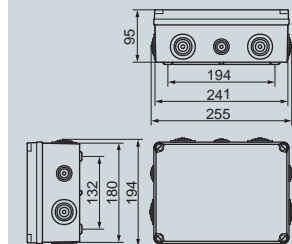
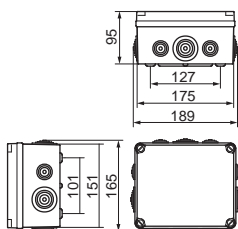
EV/EX/EL171
EVT/EXT/ELT/171



EV/EX/EL231
EVT/EXT/ELT231



EV/EX/EL322
EVT/EXT/ELT322





Motor-protection boxes with opaque cover

Ref. type	Dimensions	Description	Cable entry/ No. conical glands		Weight KG	Power dissipation according to temperature increase °C P(W)*					Type
			M25	M40		20	25	30	35	40	
HEIGHT X WIDTH X DEPTH											
GSV171	151x175x155	With conical cable glands	6	4	0.49	8.2	10.2	12.3	14.3	16.4	65GS171
GSV231	180x241x175	With conical cable glands	4	6	0.80	12.4	15.4	18.5	21.6	24.7	65GS231
GSV322	239x328x188	With conical cable glands	-	12	1.61	19.4	24.2	29.1	33.9	38.8	65GS322
GSX171	151x175x155	Knock-out entries	6	4	0.43	8.2	10.2	12.3	14.3	16.4	65GS171
GSX231	180x241x175	Knock-out entries	4	6	0.77	12.4	15.4	18.5	21.6	24.7	65GS231
GSX322	239x328x188	Knock-out entries	-	12	1.48	19.4	24.2	29.1	33.9	38.8	65GS322
GSL171	151x175x155	Plain sides	-	-	0.43	8.2	10.2	12.3	14.3	16.4	65GS171
GSL231	180x241x175	Plain sides	-	-	0.74	12.4	15.4	18.5	21.6	24.7	65GS231
GSL322	239x328x188	Plain sides	-	-	1.48	19.4	24.2	29.1	33.9	38.8	65GS322

Motor-protection boxes with transparent cover

Ref. type	Dimensions	Description	Cable entry/ No. conical glands		Weight KG	Power dissipation according to temperature increase °C P(W)*					Type
			M25	M40		20	25	30	35	40	
HEIGHT X WIDTH X DEPTH											
GSVT171	151x175x155	With conical cable glands	6	4	0.53	8.2	10.2	12.3	14.3	16.4	65GS171
GSVT231	180x241x175	With conical cable glands	4	6	0.87	12.4	15.4	18.5	21.6	24.7	65GS231
GSVT322	239x328x188	With conical cable glands	-	12	1.61	19.4	24.2	29.1	33.9	38.8	65GS322
GSXT171	151x175x155	Knock-out entries	6	4	0.46	8.2	10.2	12.3	14.3	16.4	65GS171
GSXT231	180x241x175	Knock-out entries	4	6	0.80	12.4	15.4	18.5	21.6	24.7	65GS231
GSXT322	239x328x188	Knock-out entries	-	12	1.48	19.4	24.2	29.1	33.9	38.8	65GS322
GSLT171	151x175x155	Plain sides	-	-	0.46	8.2	10.2	12.3	14.3	16.4	65GS171
GSLT231	180x241x175	Plain sides	-	-	0.80	12.4	15.4	18.5	21.6	24.7	65GS231
GSLT322	239x328x188	Plain sides	-	-	1.55	19.4	24.2	29.1	33.9	38.8	65GS322

HALOGEN-FREE PLASTIC MATERIALS

Base and opaque cover: PS RAL 7035 - Rubber cones RAL 7035.

Transparent cover: PC, tinted, with UV protection.

Surface boxes- High cover.

References GSV: IP65.

References GSX-GSL: IP65-IP67.



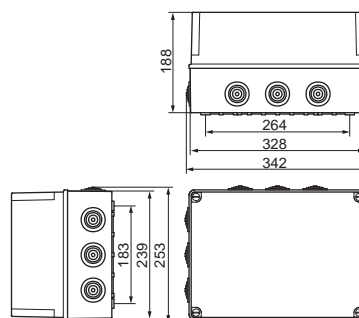
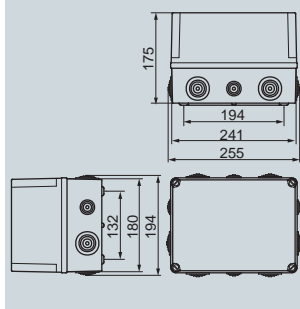
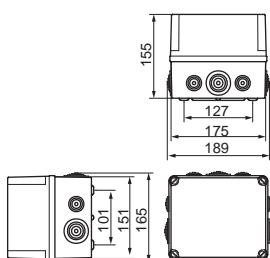
GSV/GSX/GSL171
GSVT/GSXT/GSLT171



GSV/GSX/GSL231
GSVT/GSXT/GSLT231



GSV/GSX/GSL322
GSVT/GSXT/GSLT322



Special assemblies



Empty boxes.



Boxes with assembled and wired power sockets.

How to proceed



1. SELECT THE BOX.



2. CHOOSE THE POWER SOCKETS.



3. SUBMIT ALL THE INFORMATION TO OUR TECHNICAL DEPARTMENT.

You can request a quotation and technical assessment at export@ide.es

Proposal of sockets for Light boxes

SCHUKO-TYPE FLUSH-FIT SOCKETS



REF.	Poles	I	IP
00102	2P+E	16A	44
00452	2P+E	16A	54
00105	2P+E	16A	67

IP44 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02301	2P+E	16A	200/250 V
03302	3P+E	16A	380/415 V
03303	3P+N+E	16A	200/415 V
02304	2P+E	32A	200/250 V
03305	3P+E	32A	380/415 V
03306	3P+N+E	32A	200/415 V

IP67 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02801	2P+E	16A	200/250 V
03802	3P+E	16A	380/415 V
03803	3P+N+E	16A	200/415 V
02804	2P+E	32A	200/250 V
03805	3P+E	32A	380/415 V
03806	3P+N+E	32A	200/415 V

Please see our full range of sockets and plugs (page 306).

LIGHT Accessories

Miscellaneous

	Ref.
Metal plate for boxes Ref. 171	92123
Metal plate for boxes Ref. 231	92125
Low metal plate for boxes Ref. 322	92127
High metal plate for boxes Ref. 322	92129
Polyester plate for boxes Ref. 111	92119
Polyester plate for boxes Ref. 161	92121
Polyester plate for boxes Ref. 171	92122
Polyester plate for boxes Ref. 231	92124
Low polyester plate for boxes Ref. 322	92126
High polyester plate for boxes Ref. 322	92128

	Ref.
25 diameter conical glands	77952
25 HF diameter conical glands	77953
40 diameter conical glands	77962
40 HF diameter conical glands	77963
3.9 x 9.5 screw for metal and polyester plate	92609
Hermetic caps	77650
Screws with arrow	77712
Screws without arrow	77702
Screws base cover for Ref. GS322 and EV-EL-EX	77720

HF: Halogen-free conical glands.

Watertight assembled and wired junction boxes



Ref.	Description	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
40892	Knock-out entries	0.20	1	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 108x108x64 mm.
BOX: EX111.
 IP44 unit protection.



Ref.	Description	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
41493	Plain sides	0.39	2	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 162x116x76 mm.
BOX: EL161.
 IP44 unit protection.



Ref.	Description	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
41045	Plain sides	0.39	1	Sloping flush-fit socket	44	3P+N+E	16	380
			1	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 162x116x76 mm.
BOX: EL161.
 IP44 unit protection.



Ref.	Description	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
40427	Plain sides	0.58	4	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 175x151x95 mm.
BOX: EL171.
 IP44 unit protection.



Ref.	Description	Weight	Components					
			No.	Description	IP	Poles	I	Voltage
		KG					(A)	(V)
40936	Plain sides	0.56	1	Sloping flush-fit socket	44	3P+E	16	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 175x151x95 mm.
BOX: EL171.
 IP44 unit protection.

Halogen-free materials. Any assembly combination can be supplied, with no minimum order quantity

Watertight assembled and wired junction boxes



Ref.	Description	Weight KG	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
41177	Plain sides	1.08	6	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 241x180x95 mm.
BOX: EL231.
 IP44 unit protection.



Ref.	Description	Weight KG	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
43377	Plain sides	0.70	1	Sloping flush-fit socket	44	3P+N+E	16	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 241x180x95 mm.
BOX: EL231.
 IP44 unit protection.



Ref.	Description	Weight KG	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
42054	Plain sides	1.28	2	Sloping flush-fit socket	44	3P+N+E	16	380
			2	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 241x180x95 mm.
BOX: EL231.
 IP44 unit protection.



Ref.	Description	Weight KG	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
43322	Plain sides	0.82	1	Sloping flush-fit socket	44	3P+N+E	16	380
			3	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 241x180x95 mm.
BOX: EL231.
 IP44 unit protection.



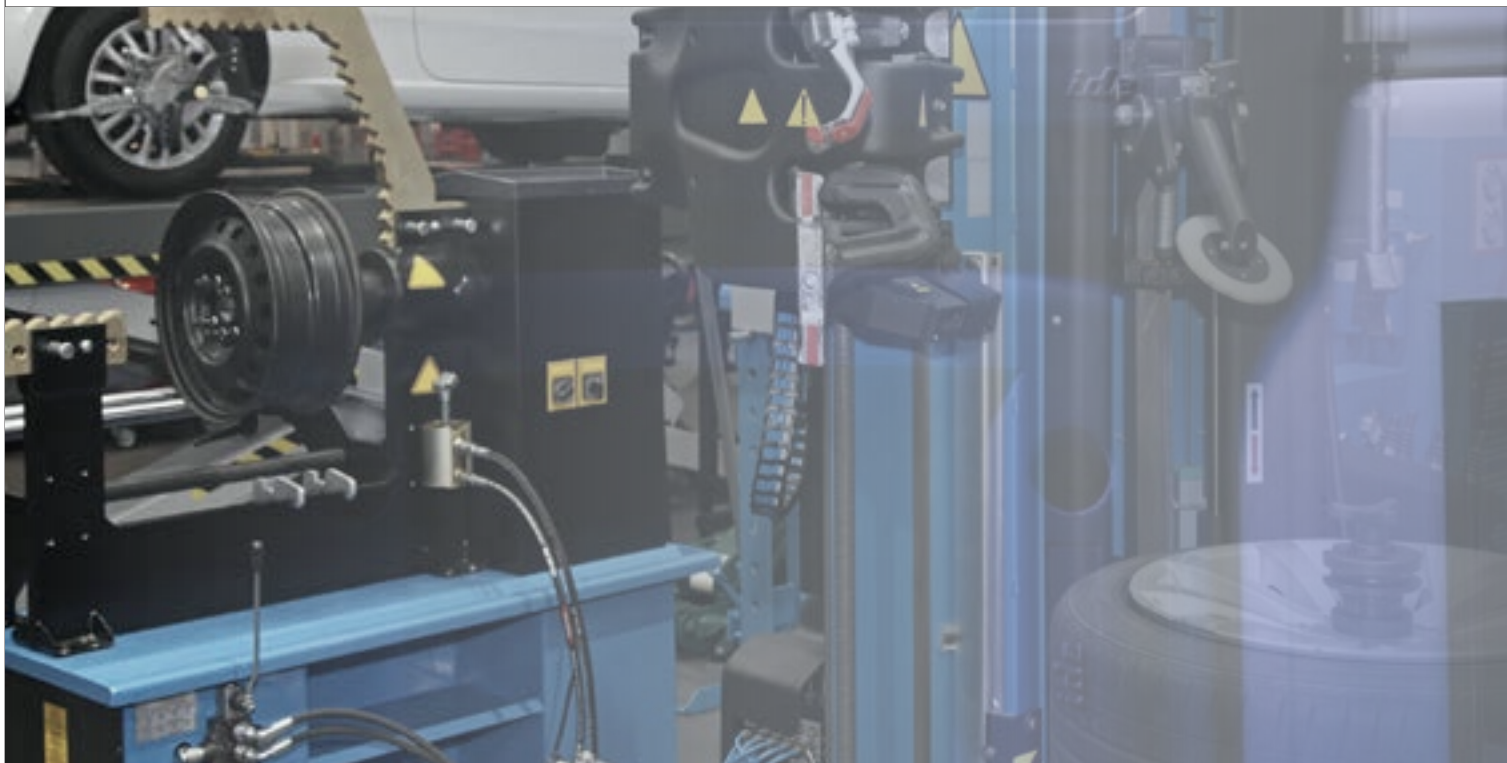
Ref.	Description	Weight KG	Components					
			No.	Description	IP	Poles	I (A)	Voltage (V)
42209	Knock-out entries	0.94	1	Sloping flush-fit socket	44	3P+E	16	380
			1	Sloping flush-fit socket	44	3P+N+E	16	380
			3	Schuko-type sockets	44	2P+E	16	220

FINISH: Base and cover in PS RAL 7035 grey.
DIMENSIONS: 241x180x95 mm.
BOX: EX231.
 IP44 unit protection.

Boxes assembled and wired according to the REBT
 (Low Voltage Electricity Regulation)

IP
40IP
55

CE



IP40-IP55 Surface boxes and mechanisms

The VERDI series boxes and mechanisms are watertight terminal junction boxes manufactured with high-quality plastic. The wall-mounted enclosures may be IP40 or IP55, making them suitable for all types of indoor and outdoor installations. They have a flexible membrane that facilitates wiring, with sections of up to 6 mm, always guaranteeing perfect watertightness levels.

They include captive screws, and their ergonomic design makes for quick pressure installation.

The mechanisms are guaranteed for more than 40,000 manoeuvres and include special bases, industrial mechanisms, signalling, emergency and safety mechanisms, etc.



VERDI Enclosures Technical Specifications

- Degree of protection: IP40 / IP55.
- Resistance to impact: IK07.
- Glow wire resistance: 650 °C.
- Ball pressure test: 70 °C.

VERDI Mechanisms Technical Specifications

- Rated voltage: 250 V.
- Rated current: 10A / 16A / 20AX.
(20A including fluorescent loads).
- Entry section: 4 mm².

VERDI Certifications



Wall-mounted enclosures: Compliant with 2014/35/EU. Standards: UNE-EN 20451 and IEC 670 (as applicable).
Mechanisms: Compliant with the 2014/35/EU directive. Standards: UNE-EN 60669-1 and IEC 60669-1 (as applicable).

IP40 or IP55 wall-mounted enclosures suitable for all types of indoor and outdoor installations



IP40 mechanism boxes

Reference No. type	No. of modules	Dimensions	Weight	IP	Type
		HEIGHT X WIDTH X DEPTH			
45011	1 module	85x70x55	0.07	40	1M
45012	2 modules	85x70x55	0.07	40	2M
45013	3 modules	85x95x55	0.11	40	3M
45014	4 modules	85x142x55	0.14	40	4M
45016	6 modules	85x190x55	0.18	40	6M
45018	12 modules	157,4x185x78	0.32	40	12M

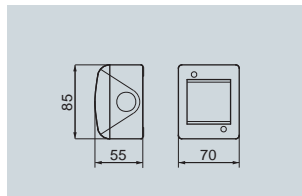
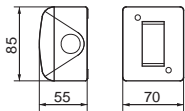
HALOGEN-FREE PLASTIC MATERIALS

ABS RAL 7035 grey.
IP40 - Surface.



1 module
45011

2 modules
45012

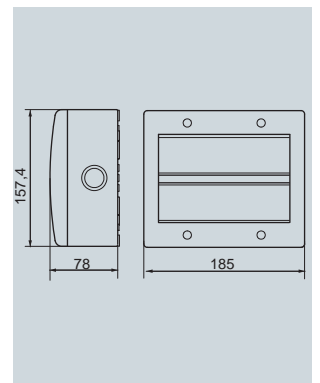
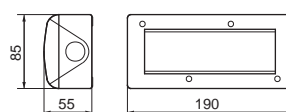
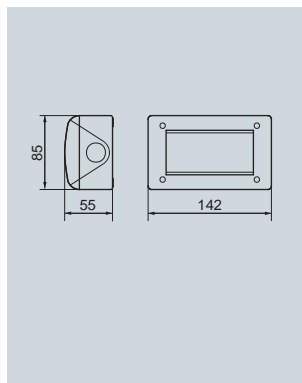
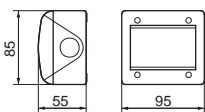


3 modules
45013

4 modules
45014

6 modules
45016

12 modules
45018



IP55 mechanism boxes

Reference No. type	No. of modules	Dimensions	Weight	IP	Type
		HEIGHT X WIDTH X DEPTH	KG		
45001	1 module	85x70x63	0.11	55	1M
45002	2 modules	85x70x63	0.11	55	2M
45003	3 modules	85x95x63	0.13	55	3M
45004	4 modules	85x142x63	0.17	55	4M

HALOGEN-FREE PLASTIC MATERIALS

ABS RAL 7035 grey.

IP55 - Surface.



1 module
45001



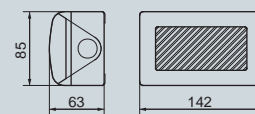
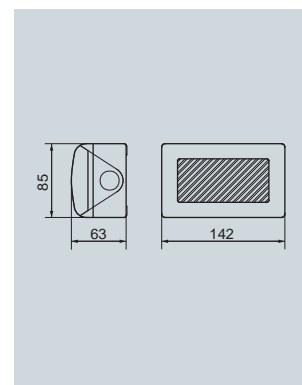
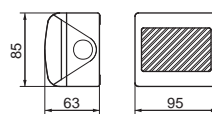
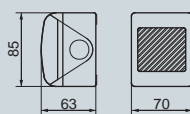
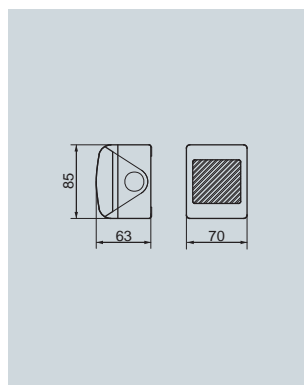
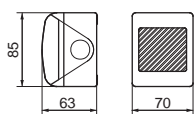
2 modules
45002



3 modules
45003



4 modules
45004





SWITCH

DOUBLE-ARROW SINGLE-
POLE SWITCH

BELL BUTTON

DIMMER

Mechanisms

Reference No. type	Description	Characteristics	Modules
45121	Single-pole switch	16A - 250 V	1/2
45101	Single-pole switch	20AX - 250 V	1
45111	Single-pole light-up switch	20AX - 250 V	1
45110	Double-pole switch	20AX - 250 V	1
45140	Double-pole switch with key	16A - 250 V	1
45122	Single-pole switch	16A - 250 V	1/2
45102	Single-pole switch	20AX - 250 V	1
45112	Single-pole light-up switch	20AX - 250 V	1
45180	Double-arrow single-pole switch	10A - 250 V	1
45181	Double-arrow double-pole switch	10A - 250 V	1
45125	Single-pole pushbutton	16A - 250 V	1/2
45105	Single-pole pushbutton	20A - 250 V	1
45115	Single-pole light-up pushbutton	20A - 250 V	1
45165	Single-pole pushbutton with key	16A - 250 V	1
45155	Single-pole bell pushbutton w/light-up board	16A - 250 V	2
45104	Crossing	16A - 250 V	1
45400	Dimmer	100-500 W 230 V / 60-300 W 127 V	1

Covers for mechanisms

Reference No. type	Description	Characteristics	Modules
45401	Blanking cover	-	1/2
45402	Blanking cover	-	1



SCHUKO-TYPE
PLUGS

SIGNALLING
LIGHT

EMERGENCY
PUSHBUTTON

EMERGENCY LIGHT

Sockets

Reference No. type	Description	Characteristics	Modules
45201	Schuko-type socket	2P+E - 16A - 250 V	2
45200	Red Schuko-type socket	2P+E - 16A - 250 V	2
45202	Safety screen socket	2P+E - 16A - 250 V	-
45231	4-pin phone socket	RJ11 connector	1
45233	8-pin phone socket	RJ45 connector	1
45250	15-pin IT socket	-	2
45240	9.5 mm television socket	Frequency 40/862 MHz	-

Signalling

Reference No. type	Description	Characteristics	Modules
45301	Transparent signalling light	-	-
45302	Green signalling light	-	-
45303	Red signalling light	-	-
45425	Bulb for mechanisms with cables	130V	-
45310	LED emergency bulb 3-h life	1.2mA - 230V	2

Emergency

Reference No. type	Description	Characteristics	Modules
45175	Red emergency pushbutton	20A - 250 V	2

IP
20

CE



IP20 Boxes for electrical components

The AMERICAN boxes are manufactured in high-durability halogen-free plastic. The distance between screws for fixing switches is the standard measurement of the so-called American system.

The pipe entries correspond to the 1/2", 3/4" and 1" measurements. There are models with blanking or cut-out covers for the installation of different electronic devices with weak currents.

AMERICAN Technical Specifications

- Degree of protection: IP20.
- Resistance to impact: IK07.
- Glow wire resistance: 650 °C.
- Ball pressure test: 70 °C.

IP20 boxes for electrical components

Reference No. type	Description	Inches	Cable entry	Weight
				KG
45080	Box without cover	4"x2"	4x1/2 - 3x3/4 - 2x1 - 2x3/4 - 1	0.04
45081	Box without cover	4"x4"	4x1/2 - 6x3/4 - 5x1	0.06
45082	Cover for mechanisms	4"x4"	-	0.02
45083	Blanking cover	4"x4"	-	0.02

HALOGEN-FREE PLASTIC MATERIALS

ABS RAL 7035 grey.

IP20 - Surface.



45080

CABLE ENTRY: 4xØ1/2" - 3xØ3/4" - 2xØ1" - 2xØ3/4" 1"



45081

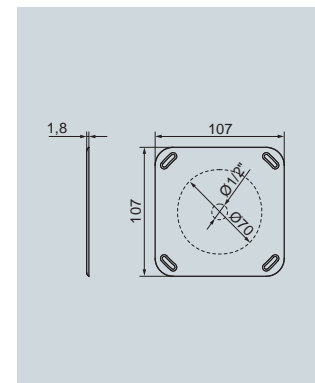
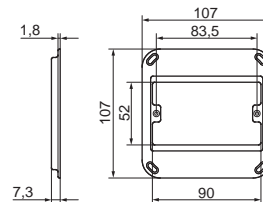
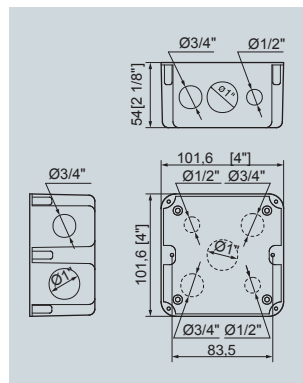
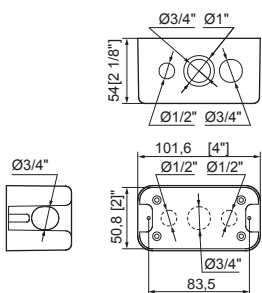
CABLE ENTRY: 4xØ1/2" - 6xØ3/4" - 5xØ1"



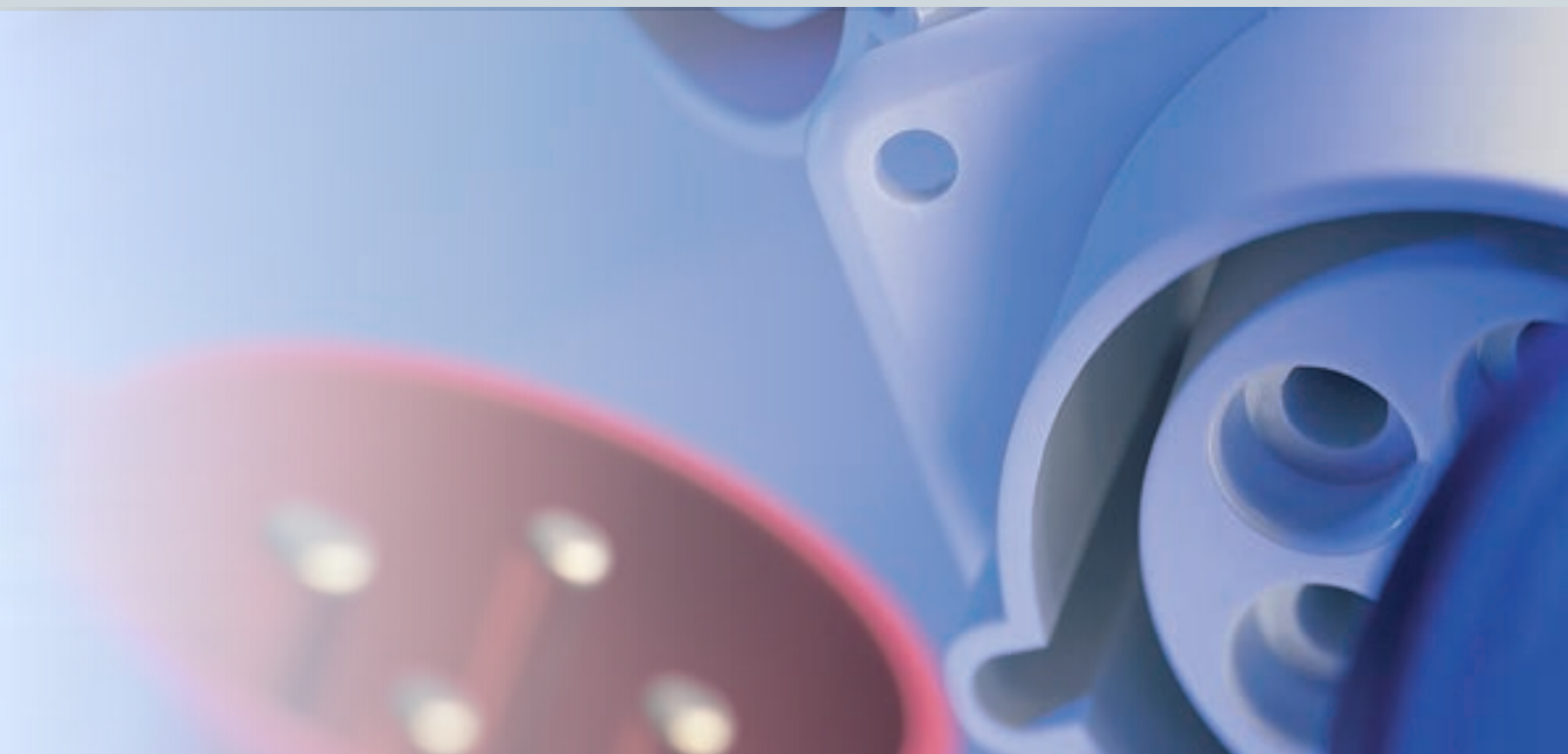
45082



45083







POWER SOCKETS

Industrial

MUNDIAL
SCHUKO-TYPE
LOW VOLTAGE
INTERLOCKING
EXTRA LOW VOLTAGE

IP
44IP
54IP
67IP
68

CE



Industrial plugs and sockets

The MUNDIAL series is a set of power sockets for industrial uses. They are manufactured in accordance with the most demanding national and international standards so they can be distributed and installed in all markets. These parts undergo rigorous testing, thus guaranteeing all the required degrees of protection.

The sockets and plugs of this family are manufactured with high-durability halogen-free plastics and are available in a range of from 10 to 125 Amperes and from 24 to 500 Volts. Their ergonomic design greatly facilitates cable connection and installation.

They are intended for installation in places requiring power points for fixed machinery, portable tools or auxiliary electrical equipment. Their sphere of application therefore includes industrial premises and workshops, warehouses and depot areas, building sites, etc.





MUNDIAL Technical Specifications

- **Degree of protection:**
Schuko-type: IP44 / IP54 / IP67 / IP68.
Low voltage: IP44 / IP67.
Interlocking: IP44 / IP67.
Extra low voltage: IP44.
- **Resistance to impact:** IK08.
- **Glow wire resistance:** 960 °C.
- **Ball pressure test:** 125 °C.
- **Ambient temperature range:** -25 °C / +40 °C.

MUNDIAL Certifications



Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 60309-1, UNE-EN 60309-2, DIN VDE 0620-1 and IEC 60884-1 (for Schuko-type sockets).

IP
44IP
54IP
67IP
68

CE



IDE sockets and plugs are designed for a maximum conductor section, as indicated in the following table:

Terminals

Current (A)	Cross-section conductors	
	Flexible mm ²	Rigid mm ²
16	4	6
32	6	10
63	16	25
125	50	70

Position of the earth contact (According to IEC 60309-2 - Series I)

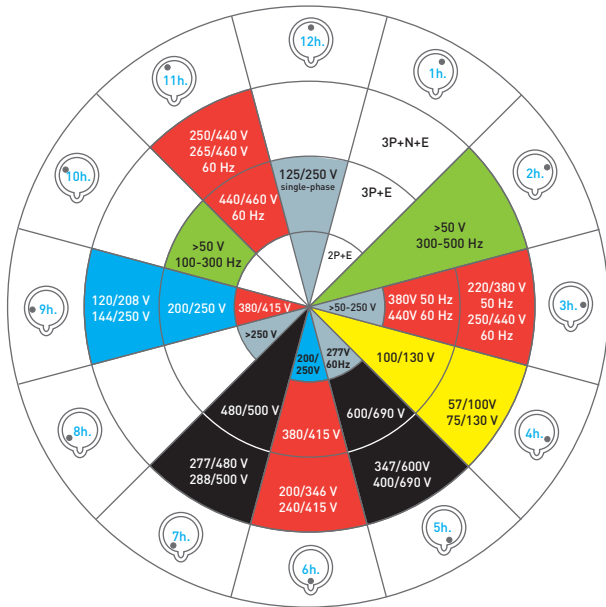
Voltage (V)	Frequency (HZ)	2P+E		3P+E		3P+N+E	
		16-32A	63-125A	16-32A	63-125A	16-32A	63-125A
63.5/110 - 75/130	50/60	-	-	-	-	4	4
110 - 130	50/60	4	4	4	4	-	-
120/208 - 144/250	50/60	-	-	-	-	9	9
220 - 250	50/60	6	6	9	9	-	-
220/380 - 240/415	50/60	-	-	-	-	6	6
220/380 - 250/440	50/60	-	-	-	-	3	3*
250/400 - 265/460	60	-	-	-	-	11	11
277	60	5	5	-	-	-	-
277/480 - 288/500	50/60	-	-	-	-	7	7
347/600 - 400/690	50/60	-	-	-	-	5	5
380 - 415	50/60	9	9	6	6	-	-
380 - 440	50/60	-	-	3	3*	-	-
440 - 460	60	-	-	11	11	-	-
480 - 500	50/60	7	7	7	7	-	-
600 - 690	50/60	-	-	5	5	-	-
>50	100/300	10*	10*	10	10*	10*	10*
>50	<300/500	2	2*	2	2*	2	2*
>50 - 250	DC	3	3	-	-	-	-
>250	DC	12	12	12	12	-	-

* NON-STANDARD

International colour and reference code

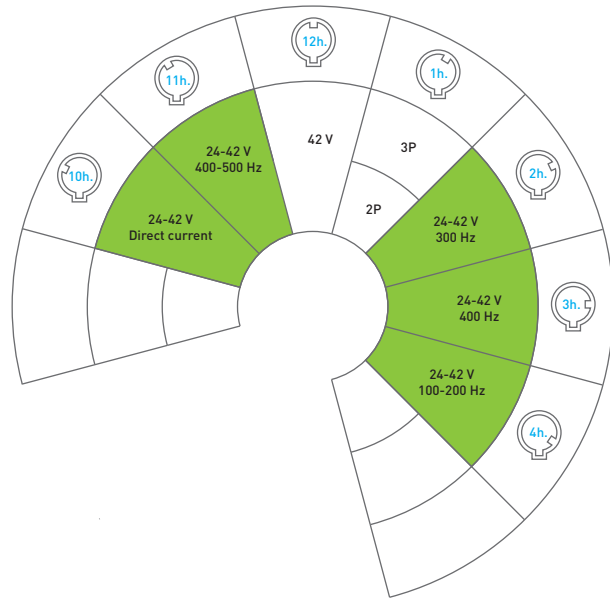
Low Voltage Elements

Earth contact according to the position clockwise from top.



Extra Low Voltage Elements

Auxiliary entry guide.



Colour code

Voltage	Colour code
20-25 V	Violet
40-50 V	White
100-130 V	Yellow
200-250 V	Blue
380-480 V	Red
500-690 V	Black
>60-500 Hz	Green
no code	Grey

Codes showing the relationship between the number of poles, rated voltage, frequency, colour and time code that must be met by sockets manufactured in accordance with current regulations.

IP
44IP
54IP
67IP
68

CE

SCHUKO-TYPE PLUGS AND SOCKETS

Product series

- IP44 Schuko-type sockets.
- IP54 Schuko-type sockets.
- IP67 / IP68 Schuko-type sockets and plugs.
- IP44 rubber sockets and plugs.
- IP44 multiple socket.
- IP44 combo sockets and plugs.
- Current: 16A.
- Voltage: 250 V.
- Poles: 2P+E.



IP54 FLUSH-FIT SOCKET



IP67 FLUSH-FIT SOCKET



IP67 WALL SOCKET



IP68 WANDER SOCKET

Material

- Plastic parts: Polyamide 6.
- Contacts: Copper-zinc alloy.
- Halogen-free plastic materials.
- High disruptive force.
- High resistance to extreme environmental agents.
- High resistance to chemical products and agents.

Main characteristics of the plastic material:

- Excellent resistance to impact.
- High thermal stability.
- Very good insulating qualities.

Main characteristics of the contacts:

- High-capacity electrical conduction: 15 mm²/(Ohm mm²).
- High corrosion resistance in industrial areas.

Supply

- Supplied in a single box per packaging multiple.

VERSIONS FOR IP54 SCHUKO-TYPE SOCKETS



WITH SCREWS



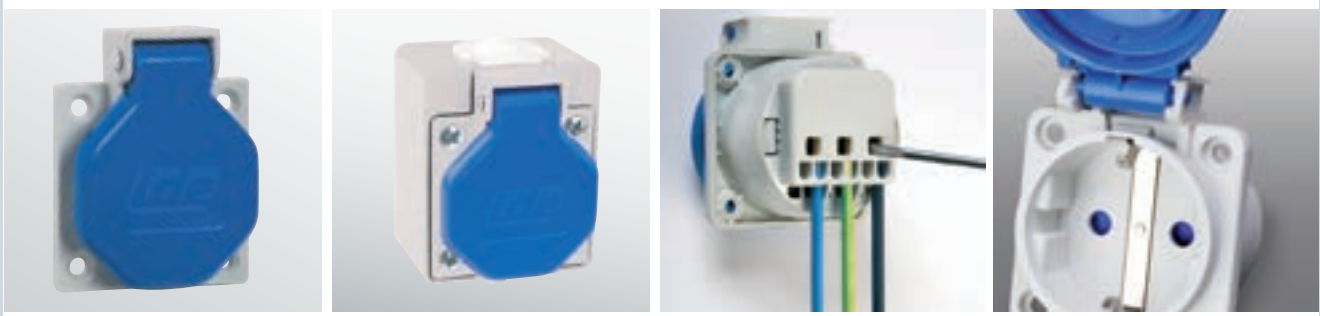
SCREWLESS

WITH SIDE
EARTH

FRENCH-TYPE

SCHUKO-TYPE

50/60 Hz industrial plugs and sockets



IP44-IP54-IP67-IP68 Schuko-type sockets

Broad range of Schuko-type sockets and plugs:

- IP44 Schuko-type sockets available in flush-fit and surface version.
- The IP54 Schuko-type sockets are always supplied with a shutter. They are available with a terminal with screws or a screwless terminal. They are also available in the French version.
- The IP67 Schuko-type sockets can be flush-fitted, wall-mounted, or as a wander socket and plug, thus delivering a full range of solutions.

Cable entry for IP54 sockets

- Screw-free cable connection allows the cables to enter in both directions (side and rear).
- The sockets can use flexible and rigid class I and class II cable, as well as treated and untreated Class II.

Shutter

- The Schuko-type sockets supplied with shutter deliver an additional safety system by covering the contact entry and preventing access by any foreign body other than a plug.

Broad range of Schuko-type sockets and plugs for global solutions



Covers

- 180° cover opening.
- Geometric forms that provide excellent rigidity and a personalised look for parts.

Rubber plugs and sockets

- The rubber wander sockets and plugs are available with an IP44 degree of protection.
- Manufactured in rubber, they provide perfect grip and maximum strength.
- They have a large connection area and a simple contact assembly and disassembly system.
- Cables with diameters of between 6 and 13 mm can be installed.



IP44 Schuko-type sockets



IP44 flush-fit socket



IP44 wall socket

Current	Poles	Volt. (V)	Time code	Reference No.	Reference No.
16A	2P+E	250	-	00101	00103
		250		00102	00104

IP54 Schuko-type sockets



IP54 socket with shutter

IP54 French socket with shutter

With screw terminal
Type: SK54 LAT/CT

With screwless
terminal

With screw terminal
Type: SK54 LAT/CT

With screwless
terminal

Current	Poles	Volt. (V)	Time code	Reference No.	Reference No.	Reference No.	Reference No.
16A	2P+E	250	-	00456	-	-	-
		250		00452	00402	00464	00414

IP67 / IP68 Schuko-type sockets and plugs



IP67 flush-fit socket

IP67 wall socket

IP68 wander socket

IP68 wander plug

Current	Poles	Volt. (V)	Time code	Reference No.	Reference No.	Reference No.	Reference No.
16A	2P+E	250	-	00105*	00135*	00118	00114
				00164**			

See dimensions on pages: 314 and 315.

* Ref. 00105-00135 with lateral contact.

** Ref. 00164 with type-PIN contact.

SCHUKO-TYPE

50/60 Hz industrial plugs and sockets

IP44 rubber sockets and plugs



IP44 rubber wander plug

IP44 rubber wander socket

IP44 multiple rubber socket

Current	Poles	Volt. (V)	Time code	Reference No.	Reference No.	Reference No.
16A	2P+E	250 250	-	00115* 00115/F**	00125* 00125/F**	00130

* Ref. with lateral contact.

** Ref. with type-PIN contact.

IP44 multiple socket



IP44 multiple socket

Current	Poles	Voltage (V)	Time code	Reference No.
16A	2P+E	230	6	1 plug + 3 sockets 00140

IP44 combo sockets and plugs



IP44 combo sockets

IP44 combo plugs

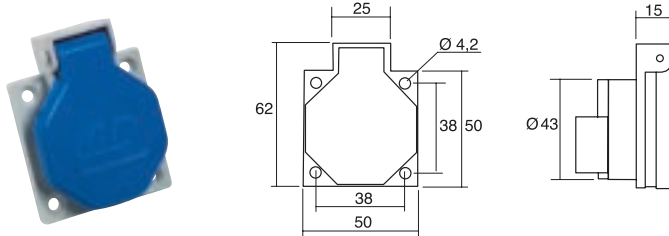
Current	Poles	Voltage (V)	Time code	Reference No.	Reference No.
16A	2P+E	200/250	6	00211	00121
	3P+E	380/415	6	00312	-
	3P+N+E	300/346 - 240/415	6	00313	00123
32A	2P+E	200/250	6	00214	-
	3P+E	380/415	6	00315	-
	3P+N+E	300/346 - 240/415	6	00316	-

See dimensions on pages: 316 and 317.



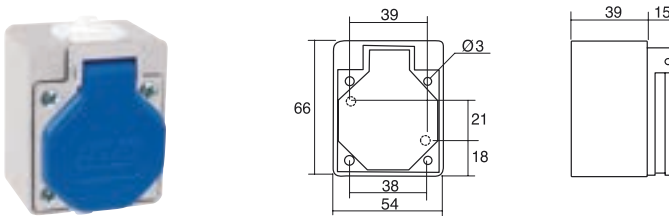
DIMENSIONS

IP44 Schuko-type flush-fit socket



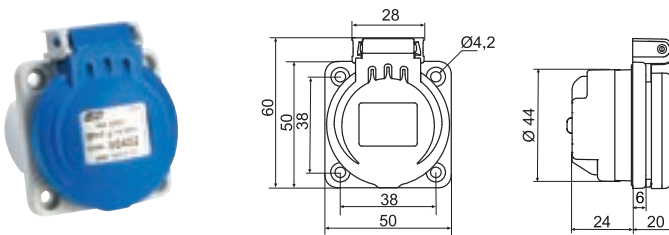
Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	62	50	40

IP44 Schuko-type wall socket



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	66	54	54

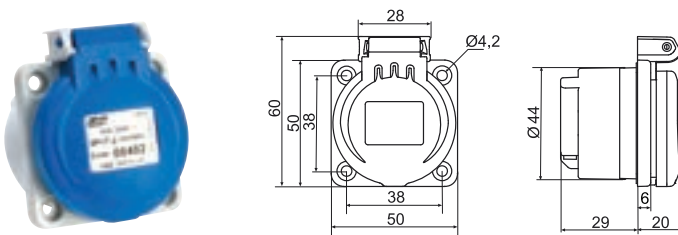
IP54 Schuko-type flush-fit sockets with shutter and with screw terminal



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	60	50	44

Flush-fit gap: $\varnothing 4^{+0}_{-0.5}$

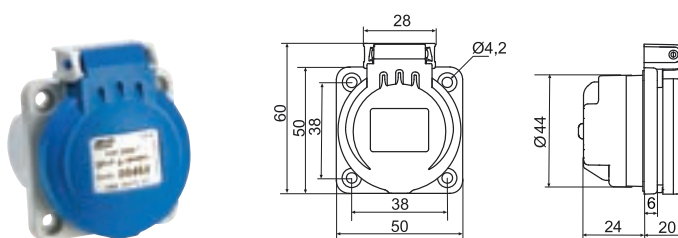
IP54 Schuko-type flush-fit sockets with shutter and with screwless terminal



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	60	50	49

Flush-fit gap: $\varnothing 4^{+0}_{-0.5}$

IP54 Schuko-type French-type sockets with shutter and with screw terminal



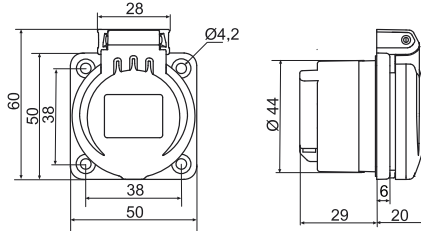
Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	60	50	44

Flush-fit gap: $\varnothing 4^{+0}_{-0.5}$

SCHUKO-TYPE

50/60 Hz industrial plugs and sockets dimensions

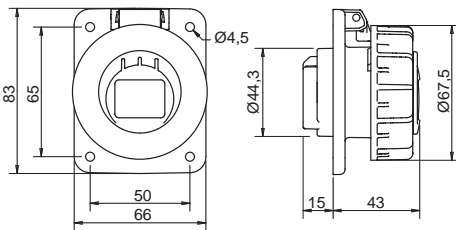
IP54 Schuko-type French-type sockets with shutter and screwless terminal



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	60	50	49

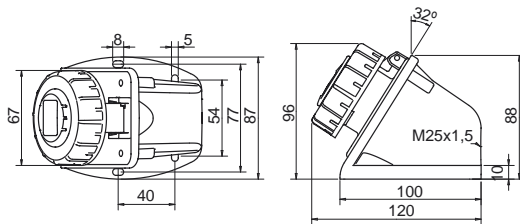
Flush-fit gap: $\varnothing 4^{+0}_{-0.5}$

IP67 Schuko-type flush-fit sockets



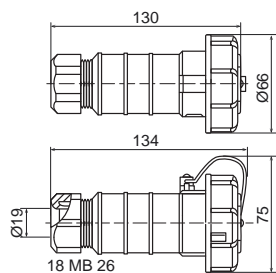
Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	83	66	58

IP67 Schuko-type wall sockets



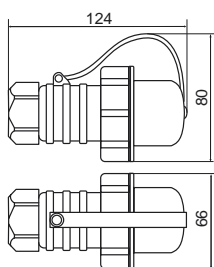
Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	96	87	120

IP68 Schuko-type wander socket



Current	Poles	Dimensions	
		LENGTH	Ø
16A	2P+E	130	66

IP68 Schuko-type wander plug

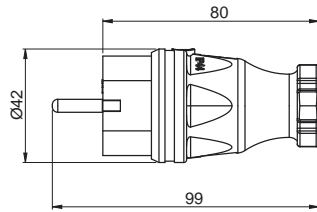


Current	Poles	Dimensions	
		LENGTH	Ø
16A	2P+E	124	66

IP
44

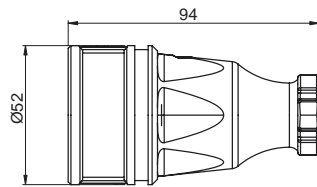
CE

IP44 rubber wander plug



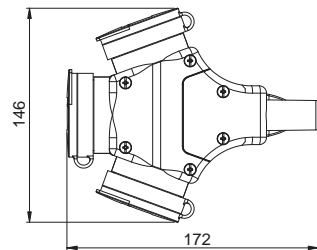
Current	Poles	Dimensions	
		LENGTH	Ø
16A	2P+E	99	42

IP44 rubber wander socket



Current	Poles	Dimensions	
		LENGTH	Ø
16A	2P+E	94	52

IP44 multiple rubber socket

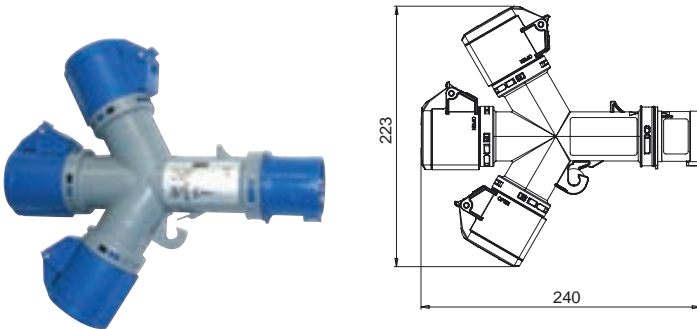


Current	Poles	Dimensions	
		LENGTH	HEIGHT
16A	2P+E	172	146

SCHUKO-TYPE

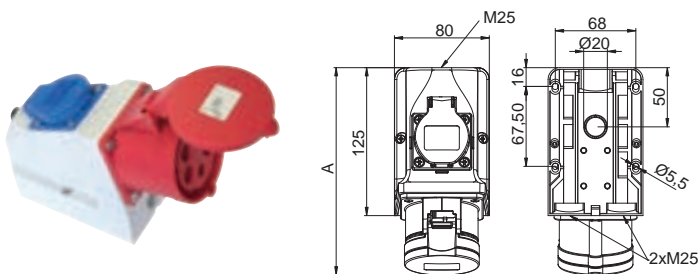
50/60 Hz industrial plugs and sockets dimensions

IP44 multiple socket



Current	Poles	Dimensions	
		LENGTH	HEIGHT
16A	2P+E	240	223

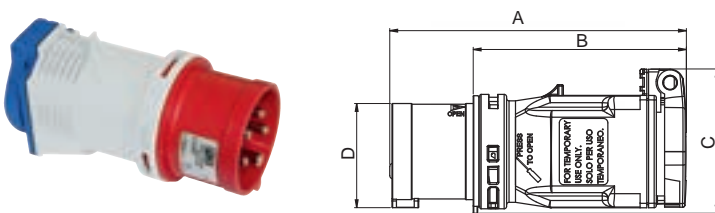
IP44 combo socket



B= Height.
15°= Slope

Current	Poles	Dimensions		
		A	B	M
16A	2P+E	175	127	3x25
	3P+E	176	130	3x25
	3P+N+E	176	133	3x25
32A	2P+E	188	136	3x25
	3P+E	188	136	3x25
	3P+N+E	188	141	3x25

IP44 combo plug



Current	Poles	Dimensions			
		A	B	C	D
16A	2P+E	134	96	65	47
	3P+N+E	133	96	74	61



LOW VOLTAGE PLUGS AND SOCKETS

IP44 product series

- Wander sockets.
- Straight flush-fit sockets.
- Sloping flush-fit sockets.
- Wall sockets.
- Wander plugs.
- Straight flush-fit plugs.
- Wall plugs.
- Phase inverters.
- Current: 16A – 32A.
- Voltage: 110V – 220V – 380V – 500V.
- Poles: 2P+E – 3P+E – 3P+N+E.
- Time code: 2h – 4h – 6h – 7h – 9h – 10h.

IP67 product series

- Wander sockets.
- Sloping flush-fit sockets.
- Wall sockets.
- Wander plugs.
- Sloping flush-fit plugs.
- Wall plugs.
- Phase inverters.
- Current: 16A – 32A – 63A – 125A.
- Voltage: 110V – 220V – 380V – 500V.
- Poles: 2P+E – 3P+E – 3P+N+E.
- Time code: 2h – 4h – 6h – 7h – 9h – 10h.



IP44 WANDER PLUG



IP44 WALL SOCKET



IP67 FLUSH-FIT SOCKET



IP67 FLUSH-FIT PLUG

Material

- Plastic parts: Polyamide 6.
- Contacts: Copper-zinc alloy.
- Halogen-free plastic materials.

Main characteristics of the plastic material:

- Excellent resistance to impact.
- High thermal stability.
- Very good insulating qualities.
- High disruptive force.
- High resistance to extreme environmental agents.
- High resistance to chemical products and agents.

Main characteristics of the contacts:

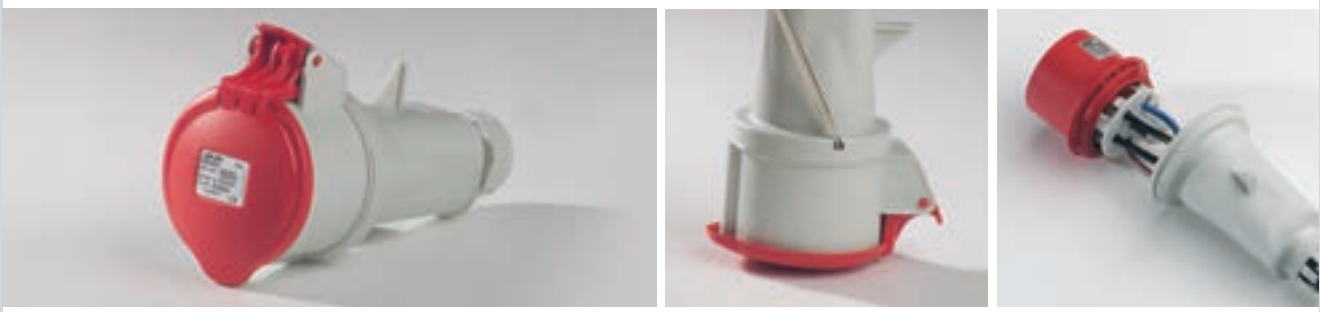
- High-capacity electrical conduction: 15 mm/(Ohm mm²).
- High corrosion resistance in industrial areas.
- Possibility of requesting nickel-plated contacts to increase resistance in marine, steamy environments, etc. (Add /NC to the reference).

Supply

Supplied in an individual box per packaging multiple.

LOW VOLTAGE

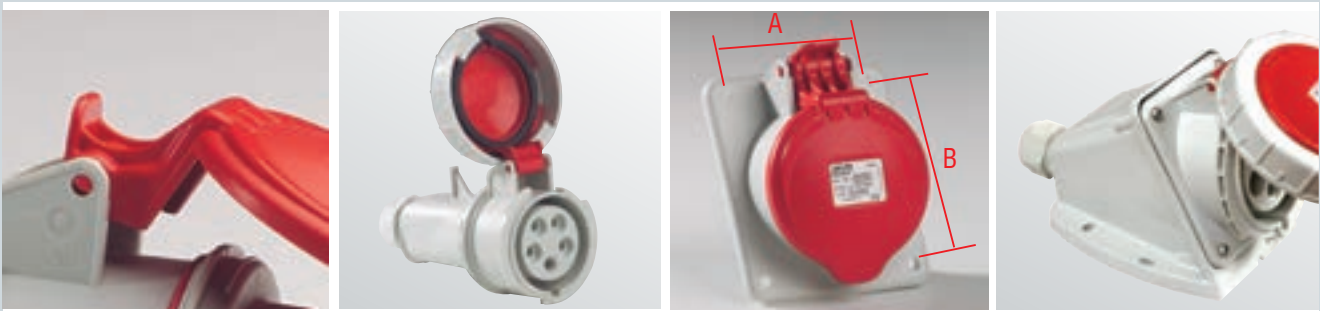
50/60 Hz industrial plugs and sockets



Wander socket and plug body

- They feature an ergonomic design that makes it extremely easy for the installer to hold and handle them.
- The cable hose is secured by means of a cable gland system that guarantees total protection against the entry of water and solid bodies.
- Clipping system opening and closing, with a tool required to access live parts, in compliance with regulations.
- Easy access to cable connection thanks to screws on the side facing in the same direction.

Ergonomic design that facilitates holding and handling



Cover

- It features geometric forms that provide it with excellent rigidity and resistance to knocks and handling. There are three recesses at the top which become connection ribs with the opening and rotation tab.
- 180° cover opening and rotation, thus providing total and unlimited opening.
- The IP67 sockets and plugs have a ring that guarantees their degree of protection.

Shield for flush-fit Sockets

- Four unique shield sizes. Two for 16A and 32A sockets and two for 63A and 125A sockets.

Wall sockets

- The IP44 wall sockets have a threaded cap and the IP67 sockets a cable gland to guarantee their degree of protection.
- They have threaded holes for wall-mounting that facilitate installation and levelling.

IP
44

CE

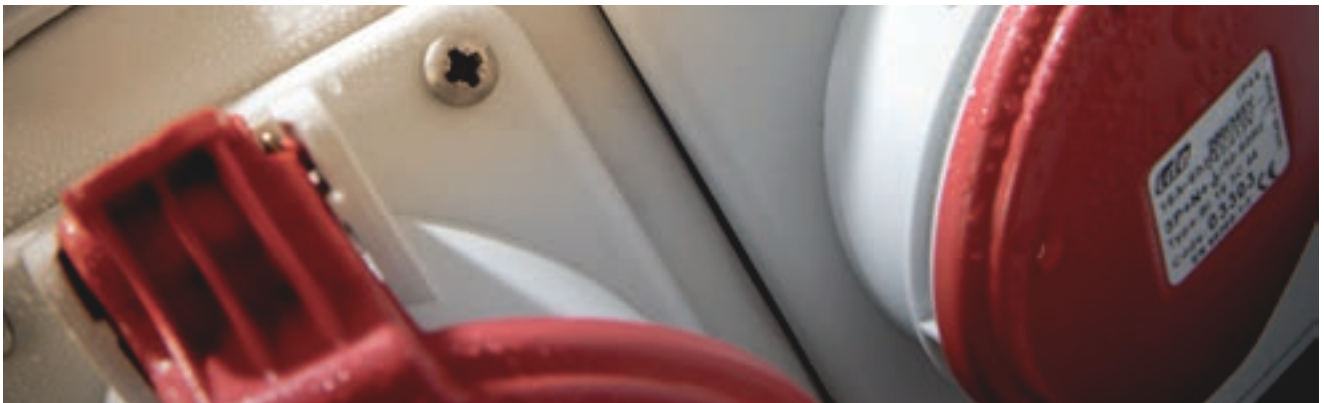
IP44 low voltage sockets



Current	Poles	Voltage (V)	Time code	Straight flush-fit sockets				Sloping flush-fit sockets				Wall sockets				Wander sockets			
				Reference No.	Reference No.	Reference No.	Reference No.	Reference No.	Reference No.	Reference No.	Reference No.	Reference No.	Reference No.	Reference No.	Reference No.				
16A	2P+E	>50(301-500Hz)	2	█	-	07301	07321	07201											
		100/130	4	█	01311	01301	01321	01201											
		200/250	6	█	02311	02301	02321	02201											
		480/500	7	█	-	05301	05321	05201											
		380/415	9	█	03311	03301	03321	03201											
	3P+E	>50(301-500Hz)	2	█	-	07302	07322	07202											
		100/130	4	█	01312	01302	01322	01202											
		380/415	6	█	03312	03302	03322	03202											
		480/500	7	█	05312	05302	05322	05202											
		200/250	9	█	02312	02302	02322	02202											
		>50(100-300Hz)	10	█	-	07382	07352	07282											
	3P+N+E	>50(301-500Hz)	2	█	-	07303	07323	07203											
		57/100 75/130	4	█	01313	01303	01323	01203											
		200/346 240/415	6	█	03313	03303	03323	03203											
		277/480 288/500	7	█	05313	05303	05323	05203											
		120/208 144/250	9	█	02313	02303	02323	02203											
32A	2P+E	>50(301-500Hz)	2	█	-	07304	07324	07204											
		100/130	4	█	01314	01304	01324	01204											
		200/250	6	█	02314	02304	02324	02204											
		480/500	7	█	-	05304	05324	05204											
		380/415	9	█	03314	03304	03324	03204											
	3P+E	>50(301-500Hz)	2	█	-	07305	07325	07205											
		100/130	4	█	01315	01305	01325	01205											
		380/415	6	█	03315	03305	03325	03205											
		480/500	7	█	05315	05305	05325	05205											
		200/250	9	█	02315	02305	02325	02205											
		>50(100-300Hz)	10	█	-	07385	07395	07285											
	3P+N+E	>50(301-500Hz)	2	█	-	07306	07326	07206											
		57/100 75/130	4	█	01316	01306	01326	01206											
		200/346 240/415	6	█	03316	03306	03326	03206											
		277/480 288/500	7	█	05316	05306	05326	05206											
		120/208 144/250	9	█	02316	02306	02326	02206											

Available with nickel-plated contacts for marine environments. Ask us about price and delivery terms.

See dimensions on pages: 324 and 325.



LOW VOLTAGE

50/60 Hz industrial plugs and sockets

IP44 low voltage plugs



Current	Poles	Voltage (V)	Time code	Wander plugs	Straight flush-fit plugs	Wall plugs	
				Reference No.	Reference No.	Reference No.	
16A	2P+E	>50(301-500Hz)	2		07101	-	-
		100/130	4		01101	01111	01121
		200/250	6		02101	02111	02121
		480/500	7		05101	-	-
		380/415	9		03101	03111	03121
	3P+E	>50(301-500Hz)	2		07102	-	-
		100/130	4		01102	01112	01122
		380/415	6		03102	03112	03122
		480/500	7		05102	05112	05122
		200/250	9		02102	02112	02122
	3P+N+E	>50(100-300Hz)	10		07182	-	-
		>50(301-500Hz)	2		07103	-	-
		57/100 75/130	4		01103	01113	01123
		200/346 240/415	6		03103	03113	03123
		277/480 288/500	7		05103	05113	05123
120/208 144/250	9		02103	02113	02123		
32A	2P+E	>50(301-500Hz)	2		07104	-	-
		100/130	4		01104	01114	01124
		200/250	6		02104	02114	02124
		480/500	7		05104	-	-
		380/415	9		03104	03114	03124
	3P+E	>50(301-500Hz)	2		07105	-	-
		100/130	4		01105	01115	01125
		380/415	6		03105	03115	03125
		480/500	7		05105	05115	05125
		200/250	9		02105	02115	02125
	3P+N+E	>50(100-300Hz)	10		07185	-	-
		>50(301-500Hz)	2		07106	-	-
		57/100 75/130	4		01106	01116	01126
		200/346 240/415	6		03106	03116	03126
		277/480 288/500	7		05106	05116	05126
120/208 144/250	9		02106	02116	02126		

IP44-IP67 phase inverter connectors

See dimensions on page: 325.



16A IP44 phase inverter

32A IP44 phase inverter

16A IP67 phase inverter

32A IP67 phase inverter

Current	Poles	Voltage (V)	Time code	Reference No.	Reference No.	
16A	2P+E	200/250	9		08509	08510
	3P+E	380/415	6		08501	08505
	3P+N+E	200/346 - 240/415	6		08502	08506
32A	2P+E	200/250	9		08511	08512
	3P+E	380/415	6		08503	08507
	3P+N+E	200/346 - 240/415	6		08504	08508

IP
67

CE

IP67 low voltage sockets



I	Poles	Voltage (V)	Time code	Sloping flush-fit sockets		Wall sockets		Wander sockets		
				Reference No.	Reference No.	Reference No.	Reference No.			
16A	2P+E	>50(301-500Hz)	2		07801	07821	07701			
		100/130	4		01801	01821	01701			
		200/250	6		02801	02821	02701			
		480/500	7		05801	05821	05701			
		380/415	9		03801	03821	03701			
	3P+E	>50(301-500Hz)	2		07802	07822	07702			
		100/130	4		01802	01822	01702			
		380/415	6		03802	03822	03702			
		480/500	7		05802	05822	05702			
		200/250	9		02802	02822	02702			
	3P+N+E	>50(100-300Hz)	10		07882	07892	07782			
		>50(301-500Hz)	2		07803	07823	07703			
		57/100 75/130	4		01803	01823	01703			
		200/346 240/415	6		03803	03823	03703			
		277/480 288/500	7		05803	05823	05703			
		120/208 144/250	9		02803	02823	02703			
32A	2P+E	>50(301-500Hz)	2		07804	07824	07704			
		100/130	4		01804	01824	01704			
		200/250	6		02804	02824	02704			
		480/500	7		05804	05824	05704			
		380/415	9		03804	03824	03704			
	3P+E	>50(301-500Hz)	2		07805	07825	07705			
		440 (60Hz)	3		07815	07835	07715			
		100/130	4		01805	01825	01705			
		380/415	6		03805	03825	03705			
		480/500	7		05805	05825	05705			
	3P+N+E	200/250	9		02805	02825	02705			
		>50(100-300Hz)	10		07885	07895	07785			
		>50(301-500Hz)	2		07806	07826	07706			
		57/100 75/130	4		01806	01826	01706			
		200/346 240/415	6		03806	03826	03706			
		277/480 288/500	7		05806	05826	05706			
		120/208 144/250	9		02806	02826	02706			
63A	2P+E	100/130	4		01851	01871	01751			
		200/250	6		02851	02853*	02871	02876*	02751	02753*
	3P+E	380/415	6		03852	03854*	03872	03871*	03752	03758*
		480/500	7		05852		05872		05752	
		200/250	9		02852		02872		02752	
3P+N+E	200/346 240/415	6		03853	03857*	03873	03874*	03753	03754*	
125A	2P+E	100/130	4		01854	01874	01754			
		200/250	6		02854	02856*	02874	02877*	02754	02756*
	3P+E	380/415	6		03855	03858*	03875	03877*	03755	03759*
		480/500	7		05855		05875		05755	
		200/250	9		02855		02875		02755	
	3P+N+E	200/346 240/415	6		03856	03859*	03876	03878*	03756	03757*

Available with nickel-plated contacts for marine environments. Ask us about price and delivery terms.

See dimensions on pages: 326 and 327.

* Sockets with pilot contact.

LOW VOLTAGE

50/60 Hz industrial plugs and sockets

IP67 low voltage plugs



I	Poles	Voltage [V]	Time code	Wander plugs	Flush-fit plugs*	Wall plugs
				Reference No.	Reference No.	Reference No.
16A	2P+E	>50(301-500Hz)	2	07601	-	-
		100/130	4	01601	01611	01621
		200/250	6	02601	02611	02621
		480/500	7	05601	-	-
		380/415	9	03601	-	-
	3P+E	>50(301-500Hz)	2	07602	-	-
		100/130	4	01602	-	-
		380/415	6	03602	03612	03622
		480/500	7	05602	05612	05622
		200/250	9	02602	02612	02622
	3P+N+E	>50(301-500Hz)	2	07603	-	-
		57/100 75/130	4	01603	-	-
200/346 240/415		6	03603	03613	03623	
277/480 288/500		7	05603	-	-	
120/208 144/250		9	02603	-	-	
32A	2P+E	>50(301-500Hz)	2	07604	-	-
		100/130	4	01604	01614	01624
		200/250	6	02604	02614	02624
		480/500	7	05604	-	-
		380/415	9	03604	-	-
	3P+E	>50(301-500Hz)	2	07605	-	-
		440 (60Hz)	3	07615	-	-
		100/130	4	01605	-	-
		380/415	6	03605	03615	03625
		480/500	7	05605	05615	05625
	3P+N+E	200/250	9	02605	02615	02625
		>50(100-300Hz)	10	07685	-	-
>50(301-500Hz)		2	07606	-	-	
57/100 75/130		4	01606	-	-	
200/346 240/415		6	03606	03616	03626	
63A	2P+E	277/480 288/500	7	05606	-	-
		120/208 144/250	9	02606	-	-
	3P+E	100/130	4	01651	01661	01671
		200/250	6	02651	02661	02671
		380/415	6	03652	03662	03672
3P+N+E	480/500	7	05652	05662	05672	
	200/346 240/415	6	03653	03663	03673	
125A	2P+E	200/250	9	02652	02662	02672
		100/130	4	01654	01664	01674
	3P+E	200/250	6	02654	02664	02674
		380/415	6	03655	03665	03675
	3P+N+E	480/500	7	05655	05665	05675
		200/346 240/415	6	03656	03666	03676

Available with nickel-plated contacts for marine environments.
 Ask us about price and delivery terms.
 See dimensions on pages: 327, 328 and 329.

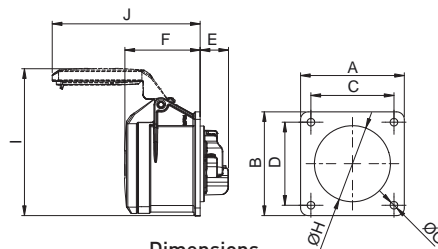
* Flush-fit plugs:
 - 16-32A: Angled.
 - 63-125A: Sloping.

IP
44

CE

DIMENSIONS

IP44 straight flush-fit sockets



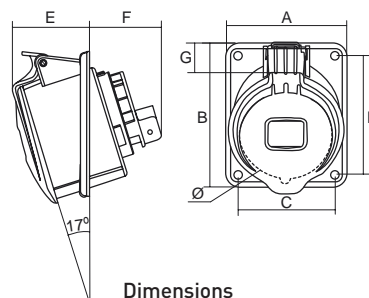
Current

Poles

Dimensions

Current	Poles	AxB	CxD	E	F	G	H	I	J
16A	2P+E	70x70	56x56	21	55	5,5	43	87	101
	3P+E	70x70	56x56	21	55	5,5	45	101	101
	3P+N+E	70x70	56x56	21	55	5,5	55	105	107
32A	2P+E	70x70	56x56	23	67	5,5	55	112	122
	3P+E	70x70	56x56	23	67	5,5	55	112	122
	3P+N+E	70x70	56x56	23	67	5,5	58	108	136

IP44 sloping flush-fit sockets



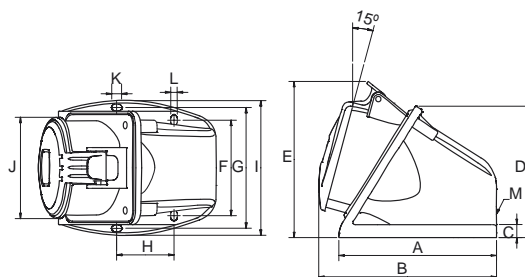
Current

Poles

Dimensions

Current	Poles	A	B	C	D	E	F	Ø	G
16A	2P+E	66	83	50	65	43	43	53	17
	3P+E	66	83	50	65	43	43	60	14
	3P+N+E	80	96	64	79	43	47	66	15
32A	2P+E	80	96	64	79	50	51	68	14
	3P+E	80	96	64	79	50	51	68	14
	3P+N+E	80	96	64	79	50	51	74	11

IP44 wall sockets



Current

Poles

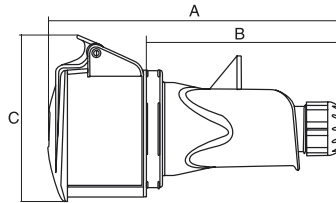
Dimensions

Current	Poles	A	B	C	D	E	F	G	H	I	J	K	L	M
16A	2P+E	100	109	10	88	98	53.6	76.6	40	87	55.5	8	5	M25x1.5
	3P+E	100	109	10	88	103	53.6	76.6	40	87	61.8	8	5	M25x1.5
	3P+N+E	118	127	10	99	117	71.6	90.6	43	101	70	8	5	M25x1.5
32A	2P+E	118	132	10	99	117	71.6	90.6	43	101	70	8	5	M25x1.5
	3P+E	118	132	10	99	117	71.6	90.6	43	101	70	8	5	M25x1.5
	3P+N+E	118	132	10	99	120	71.6	90.6	43	101	76.7	8	5	M25x1.5

LOW VOLTAGE

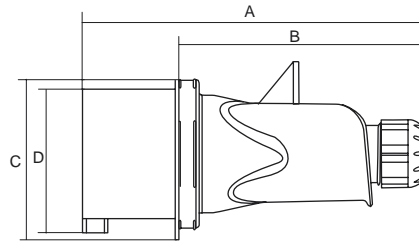
50/60 Hz industrial plug and socket dimensions

IP44 wander sockets



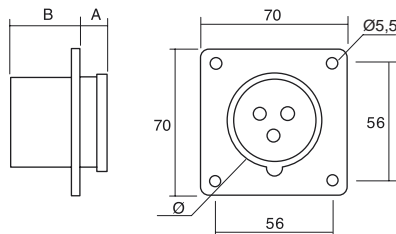
Current	Poles	Dimensions		
		A	B	C
16A	2P+E	151	96	82
	3P+E	156	106	86
	3P+N+E	161	111	98
32A	2P+E	171	111	98
	3P+E	171	111	98
	3P+N+E	178	118	102

IP44 wander plugs



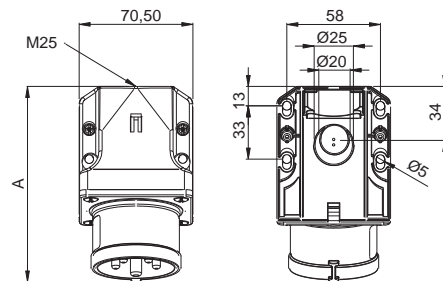
Current	Poles	Dimensions			
		A	B	C	D
16A	2P+E	134	96	55	54
	3P+E	144	106	61	58
	3P+N+E	149	111	69	66
32A	2P+E	156	111	72	66
	3P+E	156	111	72	66
	3P+N+E	163	118	78	72

IP44 straight flush-fit plugs



Current	Poles	Dimensions		
		A	B	Ø
16A	2P+E	21	42	43
	3P+E	21	42	45
	3P+N+E	20	42	55
32A	2P+E	21	51	55
	3P+E	21	51	55
	3P+N+E	21	51	55

IP44 wall plugs



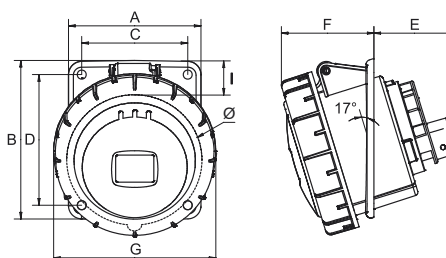
B= Height. 15°= Slope

Current	Poles	Dimensions		
		A	B	M
16A	2P+E	120	76	25
	3P+E	121	76	25
	3P+N+E	122	79	25
32A	2P+E	131	82	25
	3P+E	131	82	25
	3P+N+E	132	85	25

IP
67

CE

IP67 sloping flush-fit sockets



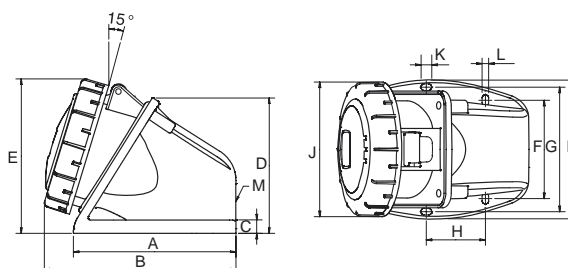
Current

Poles

Dimensions

		A	B	C	D	E	F	G	I	Ø Oblong (H X W)
16A	2P+E	66	83	50	65	43	50	69	17	53
	3P+E	66	83	50	65	43	50	77	14	60
	3P+N+E	80	98	64	79	43	50	89	15	66
32A	2P+E	80	96	64	79	50	56	89	14	68
	3P+E	80	96	64	79	50	56	89	14	68
	3P+N+E	80	96	64	79	50	56	98	11	74
63A	2P+E	100	112	80	88	64	80	109	-	92x82
	3P+E	100	112	80	88	64	80	109	-	92x82
	3P+N+E	100	112	80	88	64	80	109	-	92x82
125A	2P+E	120	130	100	108	92	77	124	-	102x90
	3P+E	120	130	100	108	92	77	124	-	102x90
	3P+N+E	120	130	100	108	92	77	124	-	102x90

IP67 wall sockets



Current

Poles

Dimensions

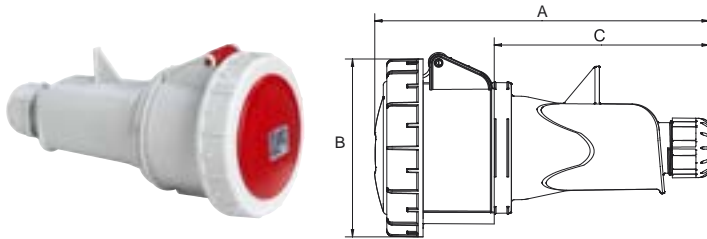
		A	B	C	D	E	F	G	H	I	J	K	L	M
16A	2P+E	100	117	10	88	90	53.6	76.6	40	87	69	8	5	M25x1.5
	3P+E	100	117	10	88	95	53.6	76.6	40	87	77	8	5	M25x1.5
	3P+N+E	118	135	10	99	108	71.6	76.6	43	101	89	8	5	M25x1.5
32A	2P+E	118	140	10	99	108	71.6	90.6	43	101	89	8	5	M25x1.5
	3P+E	118	140	10	99	108	71.6	90.6	43	101	89	8	5	M25x1.5
	3P+N+E	118	140	10	99	111	71.6	90.6	43	101	98	8	5	M25x1.5
63A	2P+E	170	213	-	-	173	104	-	136	118	-	-	6	M40+2xM32
	3P+E	170	213	-	-	173	104	-	136	118	-	-	6	M40+2xM32
	3P+N+E	170	213	-	-	173	104	-	136	118	-	-	6	M40+2xM32
125A	2P+E	262	322	-	-	205	140	-	240	162	-	-	8	M63+2xM40
	3P+E	262	322	-	-	205	140	-	240	162	-	-	8	M63+2xM40
	3P+N+E	262	322	-	-	205	140	-	240	162	-	-	8	M63+2xM40

Photo and drawing representative for 16/32A.

LOW VOLTAGE

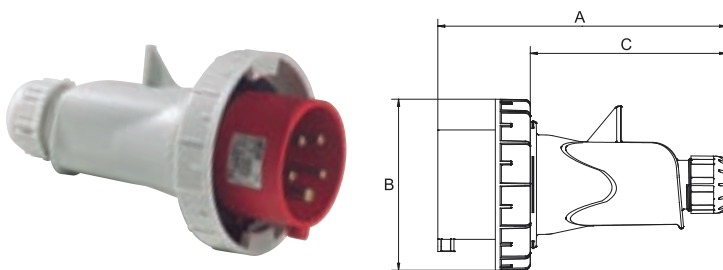
50/60 Hz industrial plugs and sockets dimensions

IP67 wander sockets



Current	Poles	Dimensions		
		A	B	C
16A	2P+E	156	69	96
	3P+E	160	77	106
	3P+N+E	172	89	111
32A	2P+E	182	89	111
	3P+E	182	89	111
	3P+N+E	189	98	118
63A	2P+E	269	114	-
	3P+E	269	114	-
	3P+N+E	269	114	-
125A	2P+E	287	124	-
	3P+E	287	124	-
	3P+N+E	287	124	-

IP67 wander plugs

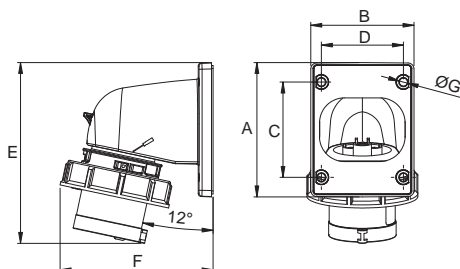


Current	Poles	Dimensions		
		A	B	C
16A	2P+E	134	69	96
	3P+E	144	77	106
	3P+N+E	149	89	111
32A	2P+E	156	89	111
	3P+E	156	89	111
	3P+N+E	163	98	118
63A	2P+E	257	114	-
	3P+E	257	114	-
	3P+N+E	257	114	-
125A	2P+E	270	131	-
	3P+E	270	131	-
	3P+N+E	270	131	-

IP
67

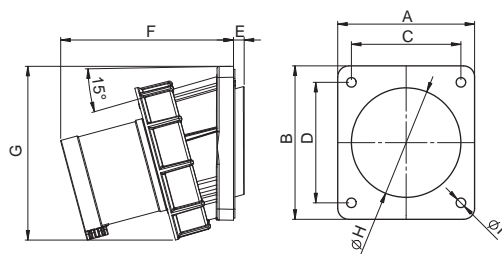
CE

IP67 angled flush-fit plugs



Current	Poles	Dimensions						
		A	B	C	D	E	F	G
16A	2P+E	86	66	61	53	116	99	5
	3P+E	86	66	61	53	117	103	5
	3P+N+E	100	90	85	77	153	107	5
32A	2P+E	100	90	85	77	163	110	5
	3P+E	100	90	85	77	163	110	5
	3P+N+E	100	90	85	77	164	114	5

IP67 sloping flush-fit plugs

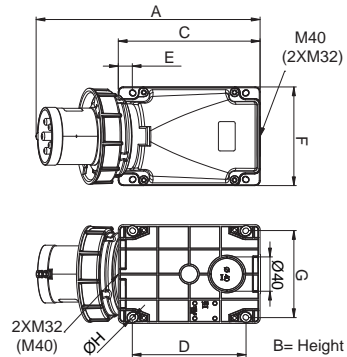


Current	Poles	Dimensions								
		A	B	C	D	E	F	G	H	I
63A	2P+E	100	112	80	88	8	127	127	80	7
	3P+E	100	112	80	88	8	127	127	80	7
	3P+N+E	100	112	80	88	8	127	127	80	7
125A	2P+E	120	130	100	108	8	139	145	100	7
	3P+E	120	130	100	108	8	139	145	100	7
	3P+N+E	120	130	100	108	8	139	145	100	7

LOW VOLTAGE

50/60 Hz industrial plugs and sockets dimensions

IP67 wall plugs



Current	Poles	Dimensions							
		A	B	C	D	E	F	G	ØH
16A	2P+E	136	99	103	47	-	71	70	5
	3P+E	138	94	100	47	-	79	70	5
	3P+N+E	140	100	103	47	-	87	70	5
32A	2P+E	150	104	103	47	-	93	70	5
	3P+E	153	104	103	47	-	93	70	5
	3P+N+E	152	102	103	47	-	102	70	5
63A	2P+E	271	175	170	136	17	118	104	6
	3P+E	271	175	170	136	17	118	104	6
	3P+N+E	271	175	170	136	17	118	104	6
125A	2P+E	387	209	262	240	11	162	142	8
	3P+E	387	209	262	240	11	162	142	8
	3P+N+E	387	209	262	240	11	162	142	8

Hose diameters for IP44-IP67 plugs and sockets

Current	Poles	Dimensions	
		MINIMUM DIAMETER (mm)	MAXIMUM DIAMETER (mm)
16A	2P+E	8.1	13
	3P+E	8.8	14
	3P+N+E	10	15.3
32A	2P+E	11	17.3
	3P+E	12.5	19.3

IP
44IP
67

CE

INTERLOCKING SOCKETS

Product series

- IP44/IP67 flush-fit sockets.
- IP44/IP67 wall sockets.
- Wall sockets with IP67 DIN rail.
- Current: 16A – 32A – 63A.
- Voltage: 110V – 220V – 380V – 500V.
- Poles: 2P+E – 3P+E – 3P+N+E.
- Time code: 4h - 6h.



Material

- Plastic parts: Polyamide 6.
- Contacts: Copper-zinc alloy.
- Halogen-free plastic materials.

Main characteristics of the plastic material:

- Excellent resistance to impact.
- High thermal stability.
- Very good insulating qualities.
- High disruptive force.
- High resistance to extreme environmental agents.
- High resistance to chemical products and agents.

Main characteristics of the contacts:

- High-capacity electrical conduction: 15 mm²/(Ohm mm²).
- High corrosion resistance in industrial areas.
- Possibility of requesting nickel-plated contacts to increase resistance in marine, steamy environments, etc. (Add /NC to the reference).

Supply

- Supplied in an individual box per packaging multiple.

Technical characteristics

- Available in flush-fit and surface version.
- Sockets with mechanical interlocking with a compact design that saves storage space.
- All the components are assembled on the top part.
- Mechanical interlocking: when the plug is inserted it is blocked, and when the plug is removed, the socket is blocked.
- The interlocking socket with DIN rail has room for five modules.

INTERLOCKING

50/60 Hz industrial sockets

IP44-IP67 low voltage interlocking sockets



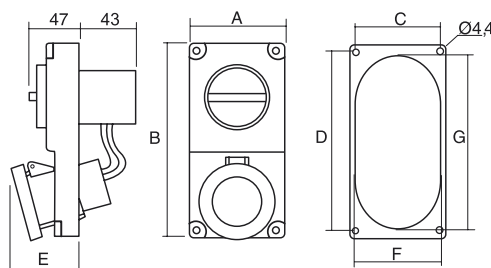
Current	Poles	Voltage (V)	Time code	IP44 flush-fit	IP44 wall	IP67 flush-fit	IP67 wall	Wall with IP67 DIN rail
				Reference No.	Reference No.	Reference No.	Reference No.	Reference No.
16A	2P+E	100/130	4	01351	01361	01811	01831	01841
		200/250	6	02351	02361	02811	02831	02841
	3P+E	380/415	6	03352	03362	03812	03832	03842
	3P+N+E	200/346 - 240/415	6	03353	03363	03813	03833	03843
32A	2P+E	100/130	4	01354	01364	01814	01834	01844
		200/250	6	02354	02364	02814	02834	02844
	3P+E	380/415	6	03355	03365	03815	03835	03845
	3P+N+E	200/346 - 240/415	6	03356	03366	03816	03836	03846
63A	2P+E	100/130	4	-	-	-	-	01881
		200/250	6	-	-	-	-	02881
	3P+E	380/415	6	-	-	-	03839	03882
	3P+N+E	200/346 - 240/415	6	-	-	-	03840	03883

Available with nickel-plated contacts for marine environments. Ask us about price and delivery terms.
See dimensions on pages: 332 and 333.



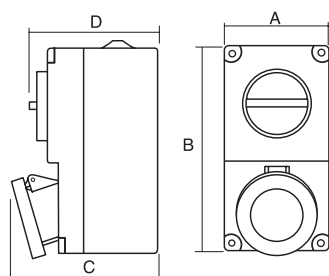
DIMENSIONS

IP44 flush-fit interlocking sockets



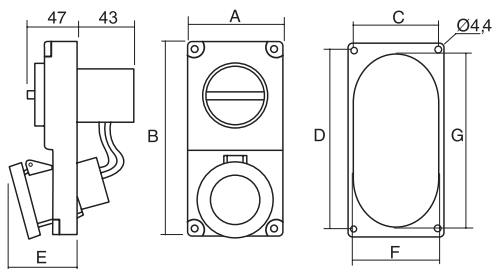
Current	Poles	Dimensions						
		A	B	C	D	E	F	G
16A	2P+E	90	180	79	169	57	80	155
	3P+E	90	180	79	169	59	80	155
	3P+N+E	90	180	79	169	60	80	155
32A	2P+E	90	180	79	169	66	80	155
	3P+E	90	180	79	169	66	80	155
	3P+N+E	90	180	79	169	67	80	155

IP44 wall interlocking sockets



Current	Poles	Dimensions			
		A	B	C	D
16A	2P+E	90	180	115	105
	3P+E	90	180	116	105
	3P+N+E	90	180	117	105
32A	2P+E	90	180	123	105
	3P+E	90	180	123	105
	3P+N+E	90	180	124	105

IP67 flush-fit interlocking sockets

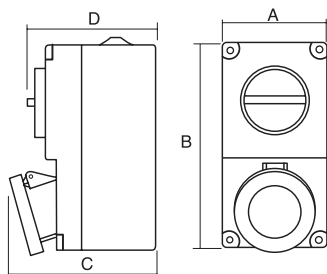


Current	Poles	Dimensions						
		A	B	C	D	E	F	G
16A	2P+E	90	180	79	169	57	80	155
	3P+E	90	180	79	169	59	80	155
	3P+N+E	90	180	79	169	60	80	155
32A	2P+E	90	180	79	169	66	80	155
	3P+E	90	180	79	169	66	80	155
	3P+N+E	90	180	79	169	67	80	155

INTERLOCKING

50/60 Hz industrial sockets dimensions

IP67 wall interlocking sockets



I	Poles	Dimensions						
		A	B	C	D	E	F	ØG
16A	2P+E	90	180	119	105			
	3P+E	90	180	120	105			
	3P+N+E	90	180	122	105			
32A	2P+E	90	180	125	105			
	3P+E	90	180	125	105			
	3P+N+E	90	180	128	105			
63A	3P+E	162	310	140	240	11	184	9
	3P+N+E	162	310	140	240	11	184	9

Photo and drawing representative for 16/32A sockets.

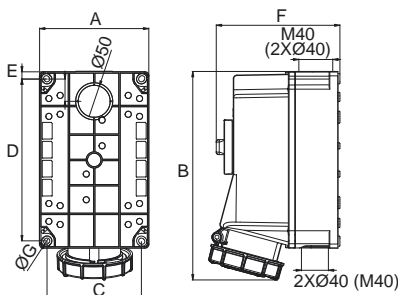
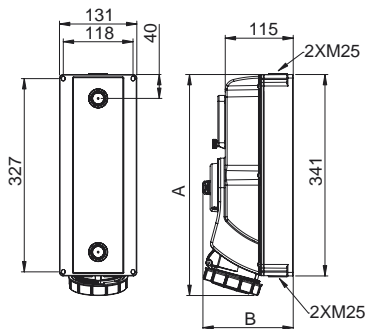


Photo and drawing representative for 63A sockets.

IP67 Wall interlocking sockets with DIN rail



Current	Poles	Dimensions		
		A	B	M
16A	2P+E	361	153	3x25
	3P+E	361	153	3x25
	3P+N+E	363	153	3x25
32A	2P+E	371	153	3x25
	3P+E	371	153	3x25
	3P+N+E	372	153	3x25
63A	2P+E	496	195	-
	3P+E	496	195	-
	3P+N+E	496	195	-

Photo and drawing representative for 16/32A sockets.

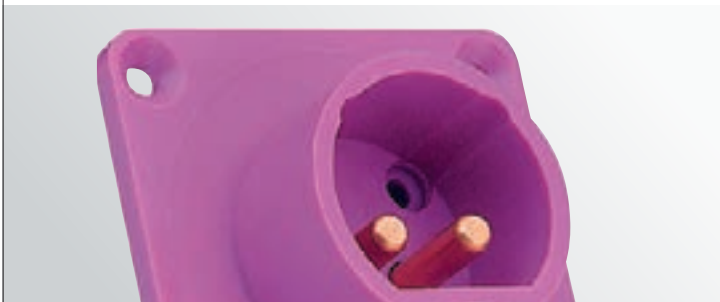
IP
44

CE

EXTRA LOW VOLTAGE

Product series

- IP44 wander sockets.
 - IP44 straight flush-fit sockets.
 - IP44 wall sockets.
 - IP44 wander plugs.
 - IP44 straight flush-fit plugs.
 - IP44 wall plugs.
-
- Current: 16A – 32A.
 - Voltage: 24V – 42V / 50/60 Hz – 100 up to 500 Hz.
 - Poles: 2P+E – 3P+E.
 - Time code: NR. – 2h – 3h – 4h – 10h – 11h – 12h.



Material

- Plastic parts: Polyamide 6.
- Contacts: Copper-zinc alloy.
- Halogen-free plastic materials.

Main characteristics of the plastic material:

- Excellent resistance to impact.
- High thermal stability.
- Very good insulating qualities.
- High disruptive force.
- High resistance to extreme environmental agents.
- High resistance to chemical products and agents.

Main characteristics of the contacts:

- High-capacity electrical conduction: 15 mm²/(Ohm mm²).
- High corrosion resistance in industrial areas.

Supply

- Supplied in an individual box per packaging multiple.

Technical characteristics

- They feature an ergonomic design that makes it extremely easy for the installer to hold and handle them.
- Clipping system opening and closing, with a tool required to access live parts, in compliance with regulations.
- Easy access to cable connection and quick installation.
- Protection from jolts thanks to strong cable sealing.
- Cable diameters from 8 to 24 mm can be used.

EXTRA LOW VOLTAGE

50/60 Hz industrial plugs and sockets

IP44 extra low voltage plugs and sockets



I	Poles	Voltage (V)	Frequency (Hz)	Time code		Wander sockets	Straight flush-fit sockets	Wall sockets	Wander plugs	Straight flush-fit plugs	Wall plugs
						Reference No.	Reference No.	Reference No.	Reference No.	Reference No.	Reference No.
16A	2P	24	50/60	nr.	■	08201	08311	08321	08101	08111	08121
		42	50/60	12	■	09201	09311	09321	09101	09111	09121
		24/42	100/200	4	■	08449	08465	08481	08401	08417	08433
		24/42	300	2	■	08451	08467	08483	08403	08419	08435
		24/42	400	3	■	08453	08469	08485	08405	08421	08437
		24/42	400/500	11	■	08455	08471	08487	08407	08423	08439
		24/42	dc	10	■	06201	06311	06321	06101	06111	06121
	3P	24	50/60	nr.	■	08202	08312	08322	08102	08112	08122
		42	50/60	12	■	09202	09312	09322	09102	09112	09122
		24/42	100/200	4	■	08450	08466	08482	08402	08418	08434
		24/42	300	2	■	08452	08468	08484	08404	08420	08436
		24/42	400	3	■	08454	08470	08486	08406	08422	08438
		24/42	400/500	11	■	08456	08472	08488	08408	08424	08440
		24/42	dc	10	■	06202	06312	06322	06102	06112	06122
32A	2P	24	50/60	nr.	■	08204	08314	08324	08104	08114	08124
		42	50/60	12	■	09204	09314	09324	09104	09114	09124
		24/42	100/200	4	■	08457	08473	08489	08409	08425	08441
		24/42	300	2	■	08459	08475	08491	08411	08427	08443
		24/42	400	3	■	08461	08477	08493	08413	08429	08445
		24/42	400/500	11	■	08463	08479	08495	08415	08431	08447
		24/42	dc	10	■	06204	06314	06324	06104	06114	06124
	3P	24	50/60	nr.	■	08205	08315	08325	08105	08115	08125
		42	50/60	12	■	09205	09315	09325	09105	09115	09125
		24/42	100/200	4	■	08458	08474	08490	08410	08426	08442
		24/42	300	2	■	08460	08476	08492	08412	08428	08444
		24/42	400	3	■	08462	08478	08494	08414	08430	08446
		24/42	400/500	11	■	08464	08480	08496	08416	08432	08448
		24/42	dc	10	■	06205	06315	06325	06105	06115	06125

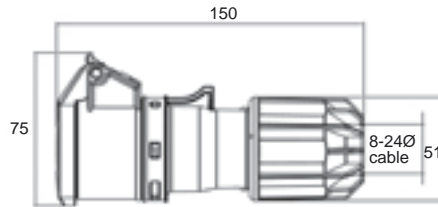
See dimensions on pages: 336 and 337.

IP
44

CE

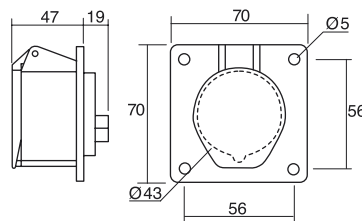
DIMENSIONS

IP44 wander sockets



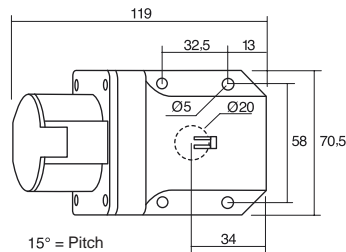
Current	Poles	Dimensions	
		HEIGHT	LENGTH
16A	2P	75	150
	3P	75	150
32A	2P	75	150
	3P	75	150

IP44 straight flush-fit sockets



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P	70	70	66
	3P	70	70	66
32A	2P	70	70	66
	3P	70	70	66

IP44 wall sockets

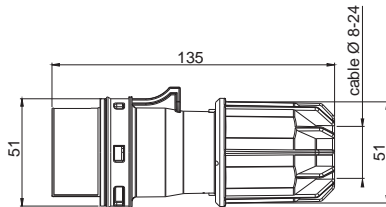


Current	Poles	Dimensions		
		HEIGHT	WIDTH	LENGTH
16A	2P	85	70.5	119
	3P	85	70.5	119
32A	2P	85	70.5	119
	3P	85	70.5	119

EXTRA LOW VOLTAGE

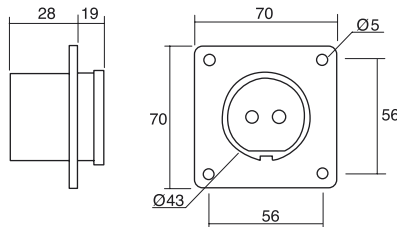
50/60 Hz industrial plugs and sockets dimensions

IP44 wander plugs



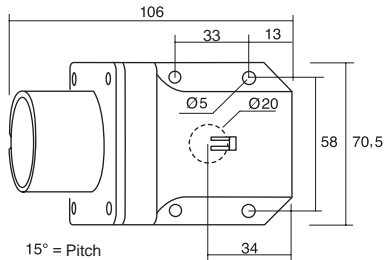
Current	Poles	Dimensions	
		HEIGHT	LENGTH
16A	2P	51	135
	3P	51	135
32A	2P	51	135
	3P	51	135

IP44 straight flush-fit plugs



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P	70	70	47
	3P	70	70	47
32A	2P	70	70	47
	3P	70	70	47

IP44 wall plugs



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P	77	70.5	106
	3P	77	70.5	106
32A	2P	77	70.5	106
	3P	77	70.5	106

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CONDITIONS OF SALE

Conditions of Sale

These Conditions of Sale apply to all orders sent directly to **IDE ELECTRIC S.L.**'s main office. They also apply to orders placed with any Agent or Representative authorized by **IDE ELECTRIC S.L.**

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

Our prices include standard packaging. Orders must always be multiple of IDE's standard packaging units. **IDE ELECTRIC S.L.** may use its right to modify units of any reference requested if they do not correspond to packaging multiples.

Prices are quoted EX-WORKS. Any other conditions must be agreed to between the customer and **IDE ELECTRIC S.L.** Minimum order requirement €3,000.

Goods will be delivered as soon as possible depending on the availability of the requested products. Partial shipments may be allowed for urgent deliveries. IDE is not liable for any possible loss or damage of goods in transit. In-transit damage must be confirmed by the client immediately, as otherwise there will be no entitlement to compensation.

Returned material must always be authorized by the Commercial Department of **IDE ELECTRIC S.L.** Authorized returns should be delivered carriage free for us to our warehouse. In any case, returns should be made within a maximum period of 30 days as of the order date unless there is a special agreement. All returned goods will have a minimum depreciation of 15% in their value due to our internal review and restocking process. This depreciation could be higher as a result of product conditions or handling requirements.

The established will be paid by the BUYER on the due date. If **IDE ELECTRIC S.L.** accepts any postponement of payment the BUYER undertakes to accept the resulting rates and expenses.

All goods delivered are the property of **IDE ELECTRIC S.L.** until fully payment has been made.

IDE ELECTRIC S.L. does not accept any economic penalty due to delivery delays unless there is a written and accepted agreement otherwise.

All goods manufactured by **IDE ELECTRIC S.L.** are GUARANTEED according to the current directives. In order to benefit from any such guarantee the BUYER should report the defect to **IDE ELECTRIC S.L.** immediately.

IDE ELECTRIC S.L. undertakes to replace defective goods free of charge, and **IDE ELECTRIC S.L.** will keep the defective goods to analyse and remedy the defects.

The GUARANTEE does not include products that have deteriorated through handling or inadequate assembly, improper storage or maintenance or products that have been modified in any way without the written authorisation of **IDE ELECTRIC S.L.**

In the event of litigation, the BUYER agrees to submit to the Jurisdiction of the Courts of Zaragoza, Spain, waiving any right it may have to another jurisdiction.

IDE ELECTRIC S.L. 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.



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