

***ide***

GENERAL CATALOGUE



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IDE ELECTRIC, S.L.



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#### Main Office

Leonardo da Vinci, 2  
Pol. Ind. Los Huertos  
E-50800 Zuera  
Zaragoza (Spain)

#### Logistic Warehouse

Guttemberg, 48  
Pol. Ind. Los Huertos  
E-50800 Zuera  
Zaragoza (Spain)

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**Telephone:** +34 976 451 080

**E-mail:** [ide@ide.es](mailto:ide@ide.es)

**Web:** [www.ide.es/eng](http://www.ide.es/eng)

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IDE ELECTRIC S.L.  
[www.ide.es](http://www.ide.es)



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.





# Quality

IDE's products undergo regular quality controls such as glow-wire resistance, dust and watertightness, and resistance to impact.

These controls guarantee compliance with all the international quality and safety standards for the electricity market and allows it to be present as an approved supplier in highly industrialized and demanding sectors.



## Safety, reliability and design for all environments

### Our commitment

- **Quality:** investment in the continuous improvement of products and production processes.
- **Technical assistance:** personalised advice, technical assistance tools such as the CEC (Configurator of Electrical Cabinets) software and CAD drawings (DXF, PDF and STEP), etc.
- **Customisation:** solutions to meet the needs of specific installations.
- **Customer service:** guaranteed deadlines for production and delivery.
- **A wide catalogue:** over 3,500 standard items.
- **Distribution:** extensive national and international distribution network.

### Our goal

- We focus on the quality of our products and on providing an efficient and reliable service.
- Personalised advice and technical assistance form part of a process of continuous improvement in our organisation.
- We are constantly improving the design of our products because we know how much image matters.

# 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](http://www.ide.es), you will be able to subscribe to our CEC program.

**Our website [www.ide.es](http://www.ide.es) allows you to access all our products in just one click.**

- Catalogues, technical data.
- Certificates.
- 2D and 3D drawings.
- Installation instructions.
- Applications and maintenance recommendations.
- Latest news and events.

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

You can use the [export@ide.es](mailto: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.



# Custom solutions

## Different designs for all sorts of requirements

- IDE's specialisation in plastic and metal enclosures means it can undertake custom projects for different end clients, providing special assemblies and metal cabinets to meet the specific needs of different installations.
- Our versatile manufacturing processes allow us to produce any type of assembly, cabinet or box at highly competitive prices and in short time frames.
- Sizes, shapes, cut-outs and colours all produced to meet the technical and quality standards of the most demanding markets.



## Specialisation and technology within your reach



Our large engineering department can provide personalised technical advice.

# Maintenance recommendations

## Painted metal cabinets

Cabinets and accessories in the Argenta series meet the requirements of standard IEC 62208 for metallic enclosures that are to be installed outdoors.

Although standard IEC 62208 allows for a degree of rusting Ri1, in accordance with ISO 4628-3, and although in practice this degree of rusting does not affect the function or mechanical solidity of the enclosure, maintenance to avoid its aesthetic deterioration and to prolong its useful life is recommended.



### Maintenance recommendations

- **Frequency:** Annual.
- **Visual inspection:** Detection of any harm to the surface such as scrapes or impacts that could have damaged the paint coating.
- **Initial signs of rust:** Due to scrapes, impacts or any other causes.
  - Remove the surface rust.
  - Abrade the surface rust to get rid of it completely.
- **Cleaning:** Clean the affected area with alcohol or an evaporating cleaner.
- **Paint:** Paint the affected surface with a synthetic paint.

## Stainless steel cabinets

Due to its excellent strength, stainless steel is a material that is easy to keep in good condition, although there is a tendency to falsely believe that it is maintenance-free.

In order to preserve its inherent qualities, some minimum recommendations must be followed during its storage, handling and use. Together with the appropriate level of regular cleaning, this will allow it to remain in its original condition, maintaining its corrosion resistance, hygiene and appearance.



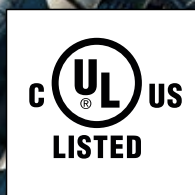
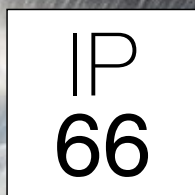
### Maintenance recommendations

- The frequency of cleaning will depend on the environment to which the cabinet is exposed.
- Wash the surfaces with water and neutral soap until all the dirt has been cleaned off.
- Use cloths and/or sponges that will not scratch the stainless steel surface.
- Never forget to rinse well with water following all cleaning.
- Finishing by drying the cabinet to enhance the surfaces' appearance.
- Clean and dry following the direction of the polish lines.

### What not to do:

#### We advise against doing any of the following:

- Do not use bleach.
- Never use any carbon steel tools in contact with stainless steel, as this will cause contamination from the steel and the immediate appearance of orangebrown rust on the stainless steel surfaces.



Maximum resistance and safety within your reach

## Protection Rating

### 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

### 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

- IP XX: Protection of the enclosure against the entry of liquids and solid objects.
- IP XX: Degree of protection against the entry of solid objects (from 0 to 6).
- IP XX: Degree of watertightness (from 0 to 8).
- IK XX: Protection against mechanical impact.
- IK XX: Resistance to impact in Joules.



# Industrial cabinets

## Wall-mounting cabinets

Cabinets for industrial environments, available in different materials, degrees of protection and resistances, in order to meet the specific needs of each environment.



**ARGENTA SERIES**  
IP66 Rolled steel cabinets

See page 18



**ARGENTA INOX SERIES**  
304L and 316L stainless steel cabinets

See page 26



### Industrial environments

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

**Materials:**

- Rolled steel.
- RAL 7035 embossed polyester paint, with UV protection.
- Injected polyurethane sealing gasket.

**Technical characteristics:**

- Degree of protection: IP66 - NEMA 1, 4, 12 (single-door cabinets).  
IP55 - NEMA 1, 12 (double-door cabinets).
- Resistance to impact: IK10.

### 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:**

- AISI 304L stainless steel (food environments).
- AISI 316L stainless steel (marine or chlorine environments).
- Injected polyurethane sealing gasket.

**Technical characteristics:**

- Degree of protection: IP66 - NEMA 1, 4, 4x, 12 (single-door cabinets).  
IP55 - NEMA 1, 12 (double-door cabinets).
- Resistance to impact: IK10.

# A specific product for each environment



## ARGENTA ATEX SERIES

Rolled steel and AISI 304L & 316L stainless steel ATEX cabinets

See page 62



## GLASS SERIES

IP66-IP55 Polyester cabinets

See page 74



### 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.

#### Rolled steel (RAL 7035 grey):

- Degree of protection: IP66 - NEMA 1, 4, 12.
- Resistance to impact: IK10.
- ATEX Classification: II 2GD-Ex eb IIC Gb - Ex tb IIIC Db.
- Certified by LOM: Cabinets with injected polyurethane sealing gasket (-25 °C / +60 °C).

#### Stainless Steel (AISI 304L & 316L):

- Degree of protection: IP66 - NEMA 1, 4, 4x, 12.
- Resistance to impact: IK10.
- ATEX Classification: II 2GD-Ex eb IIC Gb - Ex tb IIIC Db.
- Certified by DEKRA: Cabinets with injected silicone rubber sealing gasket (-55 °C / +100 °C).



### Outdoor facilities and industrial environments

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

#### Materials:

- Fibreglass-reinforced hot pressed polyester.
- Colour: Grey RAL 7035.

#### Technical characteristics:

- Degree of protection: IP66 / IP55.
- Resistance to impact: IK10 / IK08.

# Watertight boxes for the industrial sector

## Watertight boxes

Designed for industrial and outdoor use where enclosures with a high level of protection and safety are required. For the solar power sector, chemical industries, marine environments, swimming pools, warehouses, garages, etc.



### STAR SERIES

IP65 Boxes for power sockets

See page 278



### ECOLOGY SERIES

IP65 Distribution boxes

See page 292



#### Technical characteristics:

- Degree of protection: IP65.
- Capacity of 4, 6, 9, 12, 18, 24, 36 modules and extension module.
- Possibility of plain boxes and boxes with knock-out covers, offering maximum versatility.
- Base and frame in grey ABS RAL 7035.
- Transparent window in tinted PC.
- Halogen-free plastic materials, with UV protection.



#### Technical characteristics:

- Degree of protection: IP65.
- Capacity from 4 to 54 modules.
- ABS and polycarbonate versions, grey RAL 7035.
- Transparent window in tinted PC.
- Halogen-free plastic materials, with UV protection.

## ECO-STAR SYSTEM

Combined with each other, they offer the installer the most versatile internationally-certified solution to combine distribution boxes (ECOLOGY) and units for power sockets (STAR).



# Boxes to be installed where a high degree of safety and protection is required



## PRYMA SERIES

IP67 Boxes for industrial sockets

See page 270



## LIGHT SERIES

IP65-IP67 Junction boxes

See page 304



Watertight boxes for industrial sockets. Boxes intended to the industrial sector with a maximum degree of protection, IP67.

### Technical characteristics:

- Degree of protection: IP67 (both in the box and in the power sockets).
- Capacity of 9, 13 and 26 modules.
- Base and frame in grey ABS, RAL 7035.
- Transparent window in tinted PC.
- Halogen-free plastic materials, with UV protection.



Boxes intended for electrical junctions or for watertight trunking boxes, in industrial environments.

### Technical characteristics:

- Surface watertight boxes available in three different versions:
  - With conical cable glands (IP65).
  - With knock-out sides (IP65-IP67).
  - With plain sides (IP65-IP67).
- Special assemblies with power sockets can be supplied.
- Base and cover in PS and cable glands in PVC, RAL 7035.
- Opaque or transparent cover.
- Halogen-free plastic materials.
- This series is completed with the motor-protection with high cover.

# IDE Worldwide



IDE is present in more than 70 countries, exporting more than half of its turnover

IDE is present in more than 70 countries, exporting more than half of its turnover.

The presence in international fairs allows it to establish and consolidate the commercial ties necessary to continue with its expansion policy.







## Industrial cabinets and enclosures










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## Industrial cabinets and enclosures **STEEL AND POLYESTER**

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

# ARGENTA



## 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. (See the specific section on page 58).

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 (Rolled steel)

- **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 / 1500 V DC.  
(See references on page 22)

## ARGENTA INOX Technical Specifications (Stainless steel)

- **Degree of protection:**  
Single-door cabinets: IP66 / NEMA 1, 4, 4x, 12.  
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 / 1500 V DC.  
(See references on page 28)

## ARGENTA Certifications (Rolled steel)



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.  
Bureau Veritas according to UNE-EN 62208 standards.  
Certificate for boats.

## ARGENTA INOX Certifications (Stainless steel)



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

# ARGENTA

## IP66 rolled steel wall-mounting cabinets



### Product series (Rolled steel)

#### Standard

- Opaque door cabinets with mounting plate.
- Transparent single-door cabinets with mounting plate (add GNT to the reference).

#### To order

- Opaque door cabinets without mounting plate (add /SP to the standard 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.

Intended for industrial facilities, wherever a high degree of protection and safety is required

### Material

- Cold-rolled steel EN 10130+A1.
- Injected polyurethane sealing gasket.

### Finish

- Coated with hardened RAL 7035 embossed polyester paint, with UV protection.

### Protection

- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations the use of a canopy is recommended. The effect of corrosion must be taken into consideration.

### 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.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



## Enclosure

- 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 Ø9 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 enclosure and door by means of earth wire.
- 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.
- Transparent glass door:
  - 4-mm thick tempered glass in cabinets from 300x400 to 1200x1200 mm.
  - 3-mm thick Polycarbonate in cabinets from 250x200 to 300x300 mm.
- Injected polyurethane 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 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 600 mm or greater, the plates have folds on the sides to provide greater rigidity.

# ARGENTA

## IP66 rolled steel wall-mounting cabinets

### 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 KG	Power dissipation according to temperature increase °C P(W)*				
			E	D							H	X	W	20	25
GN252015	250x200x150	220x150	1.2	1.2	65x120	1	2	1	126x83	3.45	19.75	24.68	29.62	34.55	39.49
GN252515	250x250x150	220x200	1.2	1.2	65x120	1	2	1	146x99	4.10	22.83	28.53	34.24	39.94	45.65
GN302015	300x200x150	270x150	1.2	1.2	65x120	1	2	1	176x83	3.95	22.77	28.46	34.16	39.85	45.54
GN302515	300x250x150	270x200	1.2	1.2	65x120	1	2	1	196x99	4.65	26.24	32.79	39.35	45.91	52.47
GN302520	300x250x200	270x200	1.2	1.2	65x120	1	2	1	196x99	5.30	31.13	38.91	46.70	54.48	62.26
GN303015	300x300x150	270x250	1.2	1.2	65x185	1	2	2	196x149	5.50	29.70	37.13	44.55	51.98	59.40
GN303020	300x300x200	270x250	1.2	1.2	125x215	1	2	2	196x149	6.15	34.98	43.73	52.47	61.22	69.96
GN304015	300x400x150	270x350	1.2	1.2	65x285	1	2	2	196x249	6.90	36.63	45.79	54.95	64.10	73.26
GN304020	300x400x200	270x350	1.2	1.2	125x285	1	2	2	196x249	7.60	42.68	53.35	64.02	74.69	85.36
GN403015	400x300x150	370x250	1.2	1.2	65x185	1	2	2	296x149	6.95	37.29	46.61	55.94	65.26	74.58
GN403020	400x300x200	370x250	1.2	1.2	125x215	1	2	2	296x149	7.75	43.56	54.45	65.34	76.23	87.12
GN404015	400x400x150	370x350	1.2	1.2	65x285	1	2	2	296x249	8.50	45.76	57.20	68.64	80.08	91.52
GN404020	400x400x200	370x350	1.2	1.2	125x285	1	2	2	296x249	9.50	52.80	66.00	79.20	92.40	105.60
GN404025	400x400x250	370x350	1.2	1.2	125x285	1	2	2	296x249	10.50	59.84	74.80	89.76	104.72	119.68
GN406020	400x600x200	370x550	1.2	1.2	125x485	1	2	2	297x449	14.30	71.28	89.10	106.92	124.74	142.56
GN406025	400x600x250	370x550	1.2	1.2	125x485	1	2	2	297x449	15.50	79.86	99.83	119.79	139.76	159.72
GN406030	400x600x300	370x550	1.2	1.2	125x485	1	2	2	297x449	16.25	88.44	110.55	132.66	154.77	176.88
GN503015	500x300x150	470x250	1.2	1.2	65x185	2	2	2	396x149	8.29	44.88	56.10	67.32	78.54	89.76
GN503020	500x300x200	470x250	1.2	1.2	125x215	2	2	2	396x149	9.20	52.14	65.18	78.21	91.25	104.28
GN503025	500x300x250	470x250	1.2	1.2	125x215	2	2	2	396x149	10.10	59.40	74.25	89.10	103.95	118.80
GN504015	500x400x150	470x350	1.2	1.2	65x285	2	2	2	396x249	10.50	54.89	68.61	82.34	96.06	109.78
GN504020	500x400x200	470x350	1.2	1.2	125x285	2	2	2	396x249	11.30	62.92	78.65	94.38	110.11	125.84
GN504025	500x400x250	470x350	1.2	1.2	125x285	2	2	2	396x249	12.50	70.95	88.69	106.43	124.16	141.90
GN504030	500x400x300	470x350	1.2	1.2	125x285	2	2	2	396x249	13.20	78.98	98.73	118.47	138.22	157.96
GN505015	500x500x150	470x450	1.2	1.2	65x285	2	2	2	396x349	12.55	64.90	81.13	97.35	113.58	129.80
GN505020	500x500x200	470x450	1.2	1.2	125x385	2	2	2	396x349	13.90	73.70	92.13	110.55	128.98	147.40
GN505025	500x500x250	470x450	1.2	1.2	125x385	2	2	2	396x349	15.10	82.50	103.13	123.75	144.38	165.00
GN505030	500x500x300	470x450	1.2	1.2	125x385	2	2	2	396x349	15.90	91.30	114.13	136.95	159.78	182.60
GN507020	500x700x200	470x650	1.5	1.5	125x485	2	2	2	396x549	21.30	97.02	121.28	145.53	169.79	194.04
GN508025	500x800x250	470x750	1.5	1.5	125x685	2	2	2	396x649	21.40	117.20	146.40	175.70	205.00	234.30
GN508030	500x800x300	470x750	1.5	1.5	125x685	2	2	2	396x649	21.50	128.30	160.30	192.40	224.50	256.50
GN604015	600x400x150	570x350	1.2	1.2	65x285	2	2	2	496x249	12.55	64.02	80.03	96.03	112.04	128.04
GN604020	600x400x200	570x350	1.2	1.2	125x285	2	2	2	496x249	13.37	73.04	91.30	109.56	127.82	146.08
GN604025	600x400x250	570x350	1.2	1.2	125x285	2	2	2	496x249	14.50	82.06	102.58	123.09	143.61	164.12
GN604030	600x400x300	570x350	1.2	1.2	125x285	2	2	2	496x249	15.35	91.08	113.85	136.62	159.39	182.16
GN605015	600x500x150	570x450	1.2	1.5	65x285	2	2	2	497x349	15.70	75.57	94.46	113.36	132.25	151.14
GN605020	600x500x200	570x450	1.2	1.5	125x385	2	2	2	497x349	17.15	85.36	106.70	128.04	149.38	170.72
GN605025	600x500x250	570x450	1.2	1.5	125x385	2	2	2	497x349	18.20	95.15	118.94	142.73	166.51	190.30
GN605030	600x500x300	570x450	1.2	1.5	125x385	2	2	2	497x349	19.20	104.94	131.18	157.41	183.65	209.88
GN606020	600x600x200	570x550	1.5	1.5	125x485	2	2	2	497x449	21.40	97.68	122.10	146.52	170.94	195.36
GN606025	600x600x250	570x550	1.5	1.5	125x485	2	2	2	497x449	23.00	108.24	135.30	162.36	189.42	216.48
GN606030	600x600x300	570x550	1.5	1.5	125x485	2	2	2	497x449	24.40	118.80	148.50	178.20	207.90	237.60
GN606040	600x600x400	570x550	1.5	1.5	125x485	2	2	2	497x449	26.50	139.92	174.90	209.88	244.86	279.84
GN608025	600x800x250	570x750	1.5	1.5	125x685	2	2	2	497x649	30.00	134.40	168.00	201.60	235.20	268.80
GN608030	600x800x300	570x750	1.5	1.5	125x685	2	2	2	497x649	31.40	146.52	183.15	219.78	256.41	293.04
GN705015	700x500x150	670x450	1.5	1.5	65x285	2	2	2	597x349	19.55	86.24	107.80	129.36	150.92	172.48
GN705020	700x500x200	670x450	1.5	1.5	125x385	2	2	2	597x349	22.80	97.02	121.28	145.53	169.79	194.04
GN705025	700x500x250	670x450	1.5	1.5	125x385	2	2	2	597x349	22.85	107.80	134.75	161.70	188.65	215.60
GN705030	700x500x300	670x450	1.5	1.5	125x385	2	2	2	597x349	24.70	118.60	148.20	177.90	207.50	237.20
GN804020	800x400x200	770x350	1.5	1.5	125x285	2	3	2	697x249	20.20	93.28	116.60	139.92	163.24	186.56
GN804025	800x400x250	770x350	1.5	1.5	125x285	2	3	2	697x249	21.90	104.28	130.35	156.42	182.49	208.56
GN804030	800x400x300	770x350	1.5	1.5	125x285	2	3	2	697x249	22.90	115.28	144.10	172.92	201.74	230.56
GN806020	800x600x200	770x550	1.5	1.5	125x485	2	3	2	697x449	28.15	124.08	155.10	186.12	217.14	248.16
GN806025	800x600x250	770x550	1.5	1.5	125x485	2	3	2	697x449	29.80	136.62	170.78	204.93	239.09	273.24
GN806030	800x600x300	770x550	1.5	1.5	125x485	2	3	2	697x449	31.70	149.16	186.45	223.74	261.03	298.32
GN806040	800x600x400	770x550	1.5	1.5	125x485	2	3	2	697x449	35.76	174.24	217.80	261.36	304.92	348.48
GN808020	800x800x200	770x750	1.5	1.5	125x685	2	3	2	697x649	35.80	154.88	193.60	232.32	271.04	309.76
GN808025	800x800x250	770x750	1.5	1.5	125x685	2	3	2	697x649	37.90	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 KG	Power dissipation according to temperature increase °C P(W)*				
	(AXBXC)	(AXB)	E	D	(DXE)				H X W		20	25	30	35	40
GN808030	800x800x300	770x750	1.5	1.5	125x685	2	3	2	697x649	39.45	183.04	228.80	274.56	320.32	366.08
GN808040	800x800x400	770x750	1.5	1.5	125x685	2	3	2	697x649	43.65	211.20	264.00	316.80	369.60	422.40
GN8010030	800x1000x300	770x950	1.5	1.5	125x885	2	3	4	697x849	48.90	216.92	271.15	325.38	379.61	433.84
GN1006025	1000x600x250	970x550	1.5	2	125x485	3P	3	2	897x419	39.20	165.00	206.25	247.50	288.75	330.00
GN1006030	1000x600x300	970x550	1.5	2	125x485	3P	3	2	897x419	41.16	179.52	224.40	269.28	314.16	359.04
GN1006040	1000x600x400	970x550	1.5	2	125x485	3P	3	2	897x419	50.00	208.56	260.70	312.84	364.98	417.12
GN1008025	1000x800x250	970x750	1.5	2	125x685	3P	3	2	897x619	49.65	203.50	254.38	305.25	356.13	407.00
GN1008030	1000x800x300	970x750	1.5	2	125x685	3P	3	2	897x619	51.90	219.56	274.45	329.34	384.23	439.12
GN1008040	1000x800x400	970x750	1.5	2	125x685	3P	3	2	897x619	57.00	251.68	314.60	377.52	440.44	503.36
GN10010030	1000x1000x300	970x950	1.5	1.5	125x885	3P	3	4	897x819	59.15	259.60	324.50	389.40	454.30	519.20
GN1206025	1200x600x250	1170x550	1.5	2	125x485	3P	3	2	1097x419	45.30	193.38	241.73	290.07	338.42	386.76
GN1206030	1200x600x300	1170x550	1.5	2	125x485	3P	3	2	1097x419	47.60	209.88	262.35	314.82	367.29	419.76
GN1206040	1200x600x400	1170x550	1.5	2	125x485	3P	3	2	1097x419	65.95	242.88	303.60	364.32	425.04	485.76
GN1208030	1200x800x300	1170x750	1.5	2	125x685	3P	3	2	1097x619	60.80	256.08	320.10	384.12	448.14	512.16
GN1208040	1200x800x400	1170x750	1.5	2	125x685	3P	3	2	1097x619	66.30	292.16	365.20	438.24	511.28	584.32
GN1209030	1200x900x285	1170x850	1.5	2	125x685	3P	3	2	1097x719	67.30	271.66	339.57	407.48	475.40	543.31
GN12010030	1200x1000x300	1170x910	1.5	1.5	125x885	3P	3	4	1097x819	68.80	302.28	377.85	453.42	528.99	604.56
GN12012025	1200x1200x250	1170x1150	1.5	1.5	2x(125x485)	3P	3	4	1097x1019	78.50	327.36	409.20	491.04	572.88	654.72
GN14010040	1400x1000x400	1370x950	1.5	1.5	125x885	3P	3	4	1297x819	75.00	388.10	485.10	582.10	679.00	776.20

Single-door cabinets: IP66 / NEMA 1, 12, 4.

RAL 7035 rolled steel.

Injected polyurethane sealing gasket.

3P: one 3-point lock.

**Cabinets supplied with mounting plate. For references without plate, add /SP; e.g.: GN403015/SP.**

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

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

Transparent doors from 250x200 to 300x300 mm: 3-mm thick Polycarbonate.

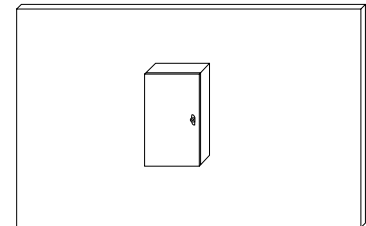
Transparent doors from 300x400 to 1400x1000 mm: 4-mm thick tempered glass.

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

\* 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".

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SEE ACCESSORIES ON [PAGE 30](#).



Opaque door cabinets

Transparent door cabinet



# ARGENTA

## IP66 rolled steel wall-mounting cabinets

### IP55 opaque double-door cabinets. Rolled steel

Reference No.	Dim. cabinet	Dim. plate	Sheet thickness		Cable entry [DXE]	No. locks	No. hinges	Reinf. prof.	Door with transparent panel	Weight KG	Power dissipation according to temperature increase °C P(W)*				
	[AXBXC]	[AXB]	E	D					H X W		20	25	30	35	40
GN5010025/PD	500x1000x250	470x950	1.5	1.5	125x885	3P	2	2	-	45.90	140.30	175.30	210.40	245.40	280.50
GN5010030/PD	500x1000x300	470x950	1.5	1.5	125x885	3P	2	2	-	46.20	152.90	191.10	229.40	267.60	305.80
GN6012025/PD	600x1200x250	570x1150	1.5	1.5	2x(125x485)	3P	2	2	-	46.30	186.80	233.50	280.20	326.90	373.60
GN6012030/PD	600x1200x300	570x1150	1.5	1.5	2x(125x485)	3P	2	2	-	47.50	202.00	252.50	302.90	353.40	403.90
GN8010020/PD	800x1000x200	770x950	1.5	1.5	125x885	3P	3	2	-	45.50	185.68	232.10	278.52	324.94	371.36
GN8010030/PD	800x1000x300	770x950	1.5	1.5	125x885	3P	3	2	-	49.90	216.92	271.15	325.38	379.61	433.84
GN8010040/PD	800x1000x400	770x950	1.5	1.5	125x885	3P	3	2	-	63.00	248.16	310.20	372.24	434.28	496.32
GN8012030/PD	800x1200x300	770x1150	1.5	1.5	2x(125x485)	3P	3	2	-	58.00	250.80	313.50	376.20	438.90	501.60
GN8012040/PD	800x1200x400	770x1150	1.5	1.5	2x(125x485)	3P	3	2	-	62.50	285.12	356.40	427.68	498.96	570.24
GN10010030/PD	1000x1000x300	970x950	1.5	2	125x885	3P	3	2	-	55.25	259.60	324.50	389.40	454.30	519.20
GN10010040/PD	1000x1000x400	970x950	1.5	2	125x885	3P	3	2	-	69.90	294.80	368.50	442.20	515.90	589.60
GN10012030/PD	1000x1200x300	970x1150	1.5	2	2x(125x485)	3P	3	2	-	73.50	299.64	374.55	449.46	524.37	599.28
GN10012040/PD	1000x1200x400	970x1150	1.5	2	2x(125x485)	3P	3	2	-	81.70	337.92	422.40	506.88	591.36	675.84
GN12010030/PD	1200x1000x300	1170x950	1.5	2	125x885	3P	3	2	-	73.50	302.28	377.85	453.42	528.99	604.56
GN12010040/PD	1200x1000x400	1170x950	1.5	2	125x885	3P	3	2	-	80.00	341.44	426.80	512.16	597.52	682.88
GN12012025/PD	1200x1200x250	1170x1150	1.5	2	2x(125x485)	3P	3	2	-	79.00	327.36	409.20	491.04	572.88	654.72
GN12012030/PD	1200x1200x300	1170x1150	1.5	2	2x(125x485)	3P	3	2	-	88.85	348.48	435.60	522.72	609.84	696.96
GN12012040/PD	1200x1200x400	1170x1150	1.5	2	2x(125x485)	3P	3	2	-	89.00	390.72	488.40	586.08	683.76	781.44
GN14010030/PD	1400x1000x300	1370x950	1.5	2	125x885	3P	3	2	-	82.60	344.96	431.20	517.44	603.68	689.92
GN14010040/PD	1400x1000x400	1370x950	1.5	2	125x885	3P	3	2	-	75.00	388.08	485.10	582.12	679.14	776.16
GN14012040/PD	1400x1200x400	1370x950	1.5	2	2x(125x485)	3P	3	2	-	112.00	443.50	554.40	665.30	776.20	887.00

Double-door cabinets: IP55 / NEMA 1, 12.

RAL 7035 rolled steel.

Injected polyurethane sealing gasket.

3P: one 3-point lock.

Cabinets supplied with mounting plate. For references without mounting plate, add /SP; e.g.: GN6012030PD/SP.

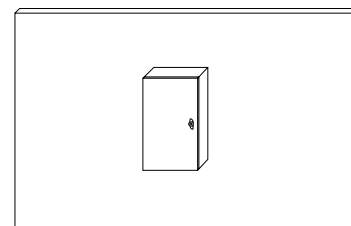
Pack of 4 plate height adjusters supplied in all references, even in those without plate /SP.

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

\* 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".

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Opaque double-door cabinets

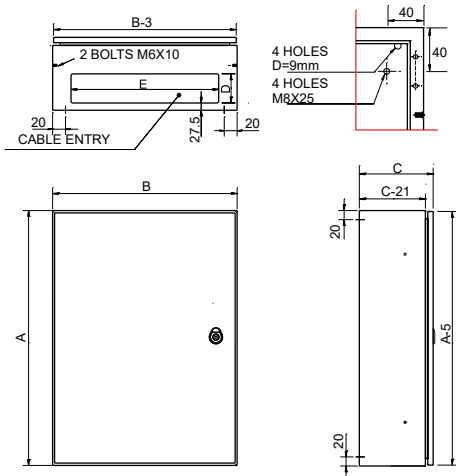


### Maximum acceptable loads

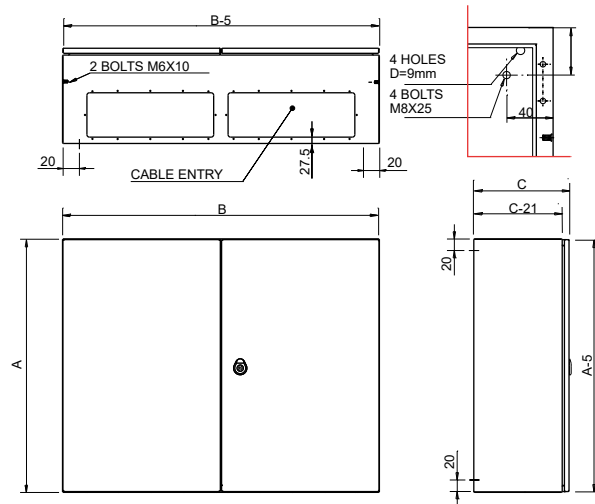
	Total load	Door	Plate
Cabinets from 250x200x150 to 300x300x200	150 kg	25 kg	125 kg
Cabinets from 300x400x150 to 400x300x200	175 kg	25 kg	150 kg
Cabinets from 400x400x150 to 600x400x300	225 kg	25 kg	200 kg
Cabinets from 600x500x150 to 700x500x300	275 kg	25 kg	250 kg
Cabinets from 800x400x200 to 800x800x400	325 kg	25 kg	300 kg
Cabinets from 800x1000x300 to 1400x1200x400	390 kg	40 kg	350 kg

### Dimensions: Argenta rolled steel

#### Single door



#### Double door



# ARGENTA INOX

## IP66 stainless steel wall-mounting cabinets



### Product series (Stainless steel)

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#### Standard

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

#### To order

- Cabinets without mounting plate (add /SP to the reference).
- Special cabinets: dimensions, cut-outs, machined...

### Supply

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

The cabinets are supplied with protective film or, failing that, bagged.

#### 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.

Intended for outdoor and industrial facilities with extremely aggressive agents or saline environments

### Recommended applications

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- **AISI 304L:** Industrial environments and outdoor facilities with aggressive agents or saline environments; food, chemical and petrochemical industries, where a high degree of hygiene is required.
- **AISI 316L:** All previous applications and, in addition, sea ports and areas with a high salt or chlorine concentration.

### Material

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

### Finish

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- Scotch 320 satin finish.



## Enclosure

- 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 Ø9 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 enclosure and door by means of earth wire.
- 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 enclosure.
- 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.
- Transparent door available on request. Doors made of 4-mm thick tempered glass, for cabinets from 400x300 to 1000x800 mm
- Injected polyurethane 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

- Standard lock in painted zamak, 5-mm double-bit lock plus 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.

# ARGENTA INOX

## IP66 stainless steel wall-mounting cabinets

### IP66 opaque-door cabinets. AISI 304L stainless steel

Reference No.	Cabinet dimensions [AXBXC]	Dim. plate [AXB]	Sheet thickness		No. locks	No. hinges	Reinf. profiles	Door with transp. panel	Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL. DOOR							20	25	30	35	40
INX302015	300x200x150	270x150	1.2	1.2	1	2	-	-	3.90	22.8	28.5	34.2	39.8	45.5
INX302515	300x250x150	270x200	1.2	1.2	1	2	-	-	4.50	26.2	32.8	39.4	45.9	52.5
INX303015	300x300x150	270x250	1.2	1.2	1	2	-	-	5.25	29.7	37.1	44.6	52.0	59.4
INX403020	400x300x200	370x250	1.2	1.2	1	2	-	296x149	7.35	43.6	54.5	65.3	76.2	87.1
INX404020	400x400x200	370x350	1.2	1.2	1	2	2	296x249	9.35	52.8	66.0	79.2	92.4	105.6
INX406020	400x600x200	370x550	1.2	1.5	1	2	2	297x449	13.00	71.3	89.1	106.9	124.7	142.6
INX504020	500x400x200	470x350	1.2	1.2	2	2	2	396x249	10.95	62.9	78.7	94.4	110.1	125.8
INX504025	500x400x250	470x350	1.2	1.2	2	2	2	396x249	12.25	62.9	78.7	94.4	110.1	125.8
INX604020	600x400x200	570x350	1.2	1.2	2	2	2	496x249	13.35	73.0	91.3	109.6	127.8	146.1
INX605025	600x500x250	570x450	1.2	1.5	2	2	2	497x349	17.65	95.2	118.9	142.7	166.5	190.3
INX606025	600x600x250	570x550	1.5	1.5	2	2	2	497x449	22.70	108.2	135.3	162.4	189.4	216.5
INX705025	700x500x250	670x450	1.5	1.5	2	2	2	597x349	23.50	107.8	134.8	161.7	188.7	215.6
INX806030	800x600x300	770x550	1.5	1.5	2	3	2	697x449	31.55	149.2	186.5	223.7	261.0	298.3
INX808030	800x800x300	770x750	1.5	1.5	2	3	2	697x649	39.20	183.0	228.8	274.6	320.3	366.1
INX1008030	1000x800x300	970x750	1.5	1.5	3P	3	2	897x619	48.00	219.6	274.5	329.3	384.2	439.1
INX10010030/PD	1000x1000x300	970x950	1.5	1.5	3P	3	4	-	60.00	259.6	324.5	389.4	454.3	519.2
INX12010030/PD	1200x1000x300	1170x950	1.5	1.5	3P	3	4	-	72.00	302.3	377.9	453.4	529.0	604.6

### IP66 opaque-door cabinets. AISI 316L stainless steel

Reference No.	Cabinet dimensions [AXBXC]	Dim. plate [AXB]	Sheet thickness		No. locks	No. hinges	Reinf. profiles	Door with transp. panel	Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL. DOOR							20	25	30	35	40
INX302015-316	300x200x150	270x150	1.2	1.2	1	2	-	-	4.45	22.8	28.5	34.2	39.8	45.5
INX302515-316	300x250x150	270x200	1.2	1.2	1	2	-	-	5.00	26.2	32.8	39.4	45.9	52.5
INX303015-316	300x300x150	270x250	1.2	1.2	1	2	-	-	5.20	29.7	37.1	44.6	52.0	59.4
INX403020-316	400x300x200	370x250	1.2	1.2	1	2	-	296x149	7.10	43.6	54.5	65.3	76.2	87.1
INX404020-316	400x400x200	370x350	1.2	1.2	1	2	2	296x249	9.14	52.8	66.0	79.2	92.4	105.6
INX406020-316	400x600x200	370x550	1.2	1.5	1	2	2	297x449	13.00	71.3	89.1	106.9	124.7	142.6
INX504020-316	500x400x200	470x350	1.2	1.2	2	2	2	396x249	11.00	62.9	78.7	94.4	110.1	125.8
INX504025-316	500x400x250	470x350	1.2	1.2	2	2	2	396x249	12.46	62.9	78.7	94.4	110.1	125.8
INX604020-316	600x400x200	570x350	1.2	1.2	2	2	2	496x249	14.00	73.0	91.3	109.6	127.8	146.1
INX605025-316	600x500x250	570x450	1.2	1.5	2	2	2	497x349	18.00	95.2	118.9	142.7	166.5	190.3
INX606025-316	600x600x250	570x550	1.5	1.5	2	2	2	497x449	23.00	108.2	135.3	162.4	189.4	216.5
INX705025-316	700x500x250	670x450	1.5	1.5	2	2	2	597x349	23.00	107.8	134.8	161.7	188.7	215.6
INX806030-316	800x600x300	770x550	1.5	1.5	2	3	2	697x449	31.35	149.2	186.5	223.7	261.0	298.3
INX808030-316	800x800x300	770x750	1.5	1.5	2	3	2	697x649	40.00	183.0	228.8	274.6	320.3	366.1
INX1008030-316	1000x800x300	970x750	1.5	1.5	3P	3	2	897x619	51.00	219.6	274.5	329.3	384.2	439.1
INX10010030/PD-316	1000x1000x300	970x950	1.5	1.5	3P	3	4	-	60.00	259.6	324.5	389.4	454.3	519.2
INX12010030/PD-316	1200x1000x300	1170x950	1.5	1.5	3P	3	4	-	72.00	302.3	377.9	453.4	529.0	604.6

Single opaque or transparent door cabinets: IP66 / NEMA 1, 4, 4x, 12.

Double opaque-door cabinets: IP55 / NEMA 1, 12.

Scotch 320 satin finish stainless steel.

Injected polyurethane sealing gasket.

3P: one 3-point lock.

/PD: Double-door cabinets.

Cabinets supplied with mounting plate.

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

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

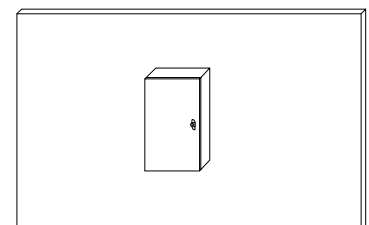
For references with transparent door, add T; e.g.: INXT302515 (Check availability).

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

\* 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 29.

SEE ACCESSORIES ON PAGE 30.





Single-door INOX cabinets



Transparent door INOX cabinet



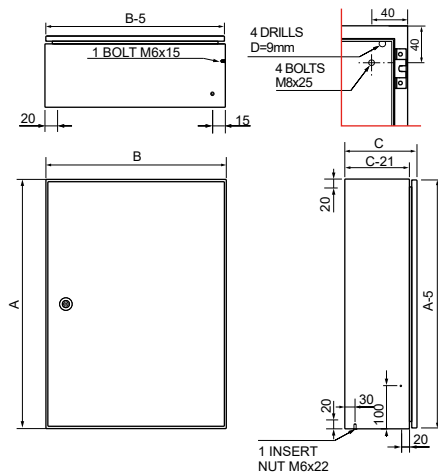
Double-door INOX cabinet

### Maximum acceptable loads

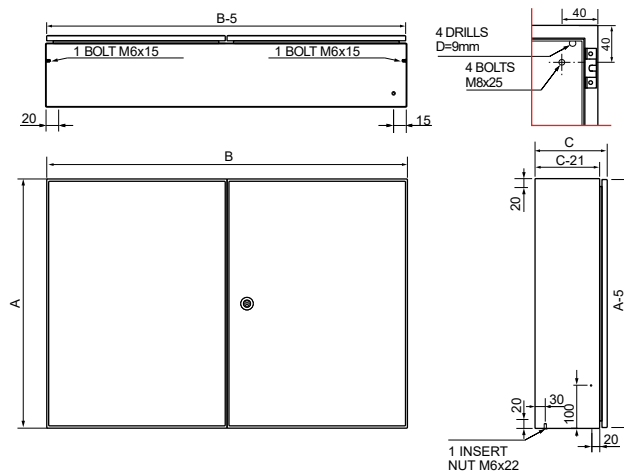
	Total load	Opaque door	Plate
Cabinets from 250x200x150 to 300x300x200	150 kg	25 kg	125 kg
Cabinets from 300x400x150 to 400x300x200	175 kg	25 kg	150 kg
Cabinets from 400x400x150 to 600x400x300	225 kg	25 kg	200 kg
Cabinets from 600x500x150 to 700x500x250	275 kg	25 kg	250 kg
Cabinets from 800x400x200 to 800x800x300	325 kg	25 kg	300 kg
Cabinets from 800x1000x300 to 1200x1000x300	390 kg	40 kg	350 kg

### Dimensions

#### Single door



#### Double door



# ARGENTA

## IP66 steel wall-mounting cabinets accessories

### Plain metal mounting plates

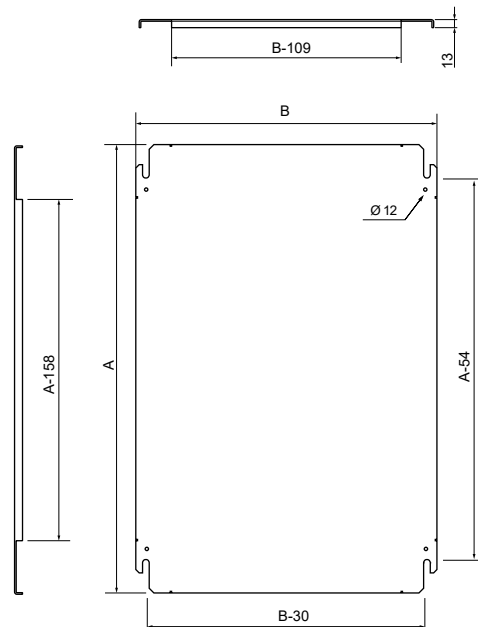


**MATERIAL:** Plain mounting plate in 2-mm thick galvanized steel.

**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).

**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
PL5080	470x750	2	2	2	500	800
PL50100	470x950	2	2	2	500	1000
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
PL60120	570x1150	2	2	2	600	1200
PL7050	670x450	2	-	2	700	500
PL8040	770x350	2	-	-	800	400
PL8060	770x550	2	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	2	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	2	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



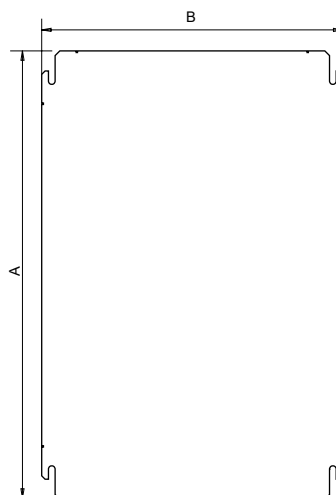
**MATERIAL:** Plain mounting plate in Bakelite.

**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

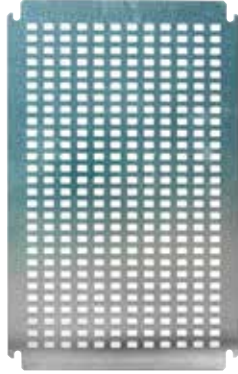




# ARGENTA

## IP66 steel wall-mounting cabinets accessories

### 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 267)

**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

### Plate height adjuster



Reference No.	Description
48228	Pack of 4 height adjusters + 4 anti-twist nuts

**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.

**Modular chassis (rolled steel)**

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
CH4060/1520	78	3x26	400	600	150-200
CH4060/2530	78	3x26	400	600	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
CH10060/2530	156	6x26	1000	600	250-300
CH10080/2530	228	6x38	1000	800	250-300
CH10080/40	228	6x38	1000	800	400

**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.

**Modular chassis (stainless steel)**

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	228	6x38	1000	800	300

**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 - ATX.

**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.

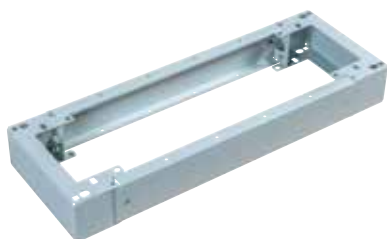
Rated service temperature: -30 °C / +140 °C.

**FOR THE FOLLOWING CABINETS:** Inner doors and modular chassis.

# ARGENTA

## IP66 steel wall-mounting cabinets accessories

### 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	
		WIDTH	DEPTH
<b>100-MM PLINTH</b>	<b>HEIGHT X WIDTH X DEPTH</b>		
ZCLA106020	100x600x200	600	200
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
ZCLA1010025	100x1000x250	1000	250
ZCLA1010030	100x1000x300	1000	300
ZCLA1010040	100x1000x400	1000	400
ZCLA1012025	100x1200x250	1200	250
ZCLA1012030	100x1200x300	1200	300
ZCLA1012040	100x1200x400	1200	400

Reference No.	Dimensions	For cabinet	
		WIDTH	DEPTH
<b>200-MM PLINTH</b>	<b>HEIGHT X WIDTH X DEPTH</b>		
ZCLA206020	200x600x200	600	200
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
ZCLA2010025	200x1000x250	1000	250
ZCLA2010030	200x1000x300	1000	300
ZCLA2010040	200x1000x400	1000	400
ZCLA2012025	200x1200x250	1200	250
ZCLA2012030	200x1200x300	1200	300
ZCLA2012040	200x1200x400	1200	400

### Plinths (stainless steel)



Reference No.	Dimensions	For cabinet	
		WIDTH	DEPTH
<b>AISI 304L 100-MM PLINTH</b>	<b>HEIGHT X WIDTH X DEPTH</b>		
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

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

Check availability for plinths AISI 316L.

**CHARACTERISTICS:** Plinth supplied complete with front and side covers.

**FOR THE FOLLOWING CABINETS:** INX.

### 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.

## Standard cable entry lids



Reference No.	Dimensions of the gap	No. of entries
---------------	-----------------------	----------------

WIDTH X DEPTH		
TS0815	135x80	1
TS0820	200x80	1
TS0830	300x80	1
TS1423	230x140	1
TS1430	300x140	1
TS1440	400x140	1
TS1450	500x140	1
TS1470	700x140	1
TS1490	900x140	1

**MATERIAL:** Rolled steel sheet, RAL 7035.

**CHARACTERISTICS:** Standard spare cover for cable entry. Cover comes with screws for attachment.

**FOR THE FOLLOWING CABINETS:** GN.

## Cable entry lid for FL21-type frame



Reference No.	Dimensions of the gap	Die-cut dimensions	No. of entries
---------------	-----------------------	--------------------	----------------

WIDTH X DEPTH			
TF0820	200x80	198x63	1
TF0830	300x80	198x63	1
TF1423	230x140	198x63	1
TF1430	300x140	198x63	1
TF1440	400x140	198x63	1
TF1450	500x140	198x63	2
TF1470	700x140	198x63	3
TF1490	900x140	198x63	3

**MATERIAL:** Rolled steel sheet, RAL 7035.

**CHARACTERISTICS:** Fitting screws included.

**FOR THE FOLLOWING CABINETS:** GN.

## FL21-type frame and lid



Reference No.	Description	Internal dimensions
---------------	-------------	---------------------

TFL21	Frame 214x90	170x68
-------	--------------	--------

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

TCFL21	Blind lid 214x90
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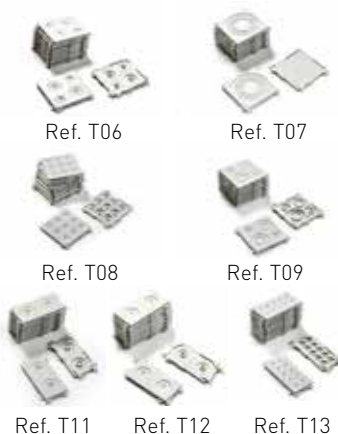
**MATERIAL:** Fibreglass-reinforced polypropylene.

**CHARACTERISTICS:** FL21 frame for fitting the various inserts. Covers with entrances with membranes of various diameters for different combinations. For the full set, order the cable entry cover, the FL21 frame and the inserts. IP65 protection degree.

**SUPPLY:** 10-pieces bag.

**FOR THE FOLLOWING CABINETS:** GN.

## Interchangeable inserts for FL21-type frame



Reference No.	Dimensions	No. of entries
---------------	------------	----------------

WIDTH X DEPTH		
		Ø
T06	68x68	2xM25 (8-17 mm) 2xM16 (5-10 mm)
T07	68x68	1xM32-M40-M50
T08	68x68	9x7-14 mm
T09	68x68	2x20-30 mm 2x10-20 mm
T11	34x68	2x8-17 mm
T12	34x68	2xM20 (6-13 mm)
T13	34x68	10x4-10 mm

# ARGENTA

## IP66 steel wall-mounting cabinets accessories

### Canopy (rolled steel)



Reference No.	Dimensions		For cabinet	
	WIDTH	DEPTH	WIDTH	DEPTH
TEJ2015	200	175	200	150
TEJ2515	250	175	250	150
TEJ2520	250	225	250	200
TEJ3015	300	175	300	150
TEJ3020	300	225	300	200
TEJ3025	300	275	300	250
TEJ4015	400	175	400	150
TEJ4020	400	225	400	200
TEJ4025	400	275	400	250
TEJ4030	400	325	400	300
TEJ5015	500	175	500	150
TEJ5020	500	225	500	200
TEJ5025	500	275	500	250
TEJ5030	500	325	500	300
TEJ6020	600	225	600	200
TEJ6025	600	275	600	250
TEJ6030	600	325	600	300
TEJ6040	600	425	600	400
TEJ7020	700	225	700	200
TEJ8020	800	225	800	200
TEJ8025	800	275	800	250
TEJ8030	800	325	800	300
TEJ8040	800	425	800	400
TEJ10020	1000	225	1000	200
TEJ10025	1000	275	1000	250
TEJ10030	1000	325	1000	300
TEJ10040	1000	425	1000	400
TEJ12025	1200	275	1200	250
TEJ12030	1200	325	1200	300
TEJ12040	1200	425	1200	400

**MATERIAL:** RAL 7035 painted sheet steel. Reinforced with primer improving corrosion resistance for outdoor use.

**CHARACTERISTICS:** It protects the controls or lights from the rain and dust. Recommended for outdoor use cabinets.

It is fixed directly to the enclosure.

It is supplied with all the screws required for assembly.

### Canopy (stainless steel)



Reference No.	Dimensions		For cabinet	
	WIDTH	DEPTH	WIDTH	DEPTH
INXTEJ2015	210	163	200	150
INXTEJ2515	260	163	250	150
INXTEJ3015	310	163	300	150
INXTEJ3020	310	211	300	200
INXTEJ4020	410	211	400	200
INXTEJ5025	510	259	500	250
INXTEJ6020	610	211	600	200
INXTEJ6025	610	259	600	250
INXTEJ6030	610	307,5	600	300
INXTEJ8030	810	307,5	800	300
INXTEJ10030	1010	307,5	1000	300

**MATERIAL:** AISI 304L stainless steel. Scotch 320 satin finish. Check availability for canopies AISI 316L.

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

It is fixed directly to the enclosure.

It is supplied with all the screws required for assembly.

**FOR THE FOLLOWING CABINETS:** 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 32).

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 33).

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	1000	1000
PIN80120	750x1150	1200	1200
PIN10060	950x550	1000	600
PIN10080	950x750	1000	800
PIN100100	950x950	1000	1000
PIN100120	950x1150	1200	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)



Reference No.	Dimensions	For cabinet	
		HEIGHT	WIDTH
	HEIGHT X WIDTH		
INXPIN3020	237x145	300	200
INXPIN3025	237x195	300	250
INXPIN3030	237x245	300	300
INXPIN4030	337x245	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

**MATERIAL:** AISI 304L stainless steel. Scotch 320 satin finish. Check availability for doors AISI 316L.

**CHARACTERISTICS:** The corresponding height adjustment pack must be ordered for the installation of the inner door (see references on page 32).

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.

**FOR THE FOLLOWING CABINETS:** INX - ATX/INX.

# ARGENTA

## IP66 steel wall-mounting cabinets accessories

### Opaque spare doors (rolled steel)



**MATERIAL:** RAL 7035 painted sheet steel.

**CHARACTERISTICS:** Doors supplied without lock. See locks on pages 40-42.

/PD: Double opaque doors.

**Maximum load:**

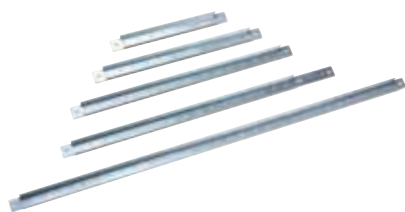
Doors from 250x200 to 800x800: 25 kg.

Doors from 800x1000 to 1400x1000: 40 kg.

**FOR THE FOLLOWING CABINETS:** GN - ATX.

Reference No.	No. locks	For cabinet	
		HEIGHT	WIDTH
P02520	1	250	200
P02525	1	250	250
P03020	1	300	200
P03025	1	300	250
P03030	1	300	300
P03040	1	300	400
P04030	1	400	300
P04040	1	400	400
P04060	1	400	600
P05030	2	500	300
P05040	2	500	400
P05050	2	500	500
P05070	2	500	700
P05080	2	500	800
P06040	2	600	400
P06050	2	600	500
P06060	2	600	600
P06080	2	600	800
P07050	2	700	500
P08040	2	800	400
P08060	2	800	600
P08080	2	800	800
P080100	2	800	1000
P010060	1x3P	1000	600
P010080	1x3P	1000	800
P0100100	1x3P	1000	1000
P012060	1x3P	1200	600
P012080	1x3P	1200	800
P012090	1x3P	1200	900
P0120100	1x3P	1200	1000
P0120120	1x3P	1200	1200
P0140100	1x3P	1400	1000
P050100/PD	1x3P	500	1000
P060120/PD	1x3P	600	1200
P080100/PD	1x3P	800	1000
P080120/PD	1x3P	800	1200
P0100100/PD	1x3P	1000	1000
P0100120/PD	1x3P	1000	1200
P0120100/PD	1x3P	1200	1000
P0120120/PD	1x3P	1200	1200
P0140100/PD	1x3P	1400	1000
P0140120/PD	1x3P	1400	1200

### 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.

## Spare doors (stainless steel)



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

**MATERIAL:** AISI 304L stainless steel. Scotch 320 satin finish. Check availability for doors AISI 316L.

**CHARACTERISTICS:** Doors supplied without lock. See locks on pages 40-42.

/PD: Double opaque doors.

**Maximum load:** Doors from 250x200 to 800x800: 25 kg.

Doors from 800x1000 to 1400x1000: 40 kg.

**FOR THE FOLLOWING CABINETS:** INX - ATX/INX.

## 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.

## Spare hinge



Reference No.	Description
48635	Argenta spare hinge (1 hinge + 1 bolt)

**FOR THE FOLLOWING CABINETS:** GN.

## Door retainer



Reference No.	Description	For cabinet
		WIDTH
48380	Retainer L=130 for rolled steel cabinets	>250 to 1200
48383	Retainer L=130 for stainless steel cabinets	>250 to 1200

**MATERIAL:** Cold rolled steel sheet, with galvanised pieces.

**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 - 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 - INX.



# ARGENTA

## IP66 steel wall-mounting cabinets accessories

### GN standard locks



Ref. 48450



Ref. 48414

#### Reference No.

#### Description

**48450**

1P 5-mm double-bit lock in polyamide

**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).

**48414**

3P 5-mm double-bit lock in polyamide (without rods)

**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

**48406**

3P ATEX 5-mm double-bit lock (without rods)

**CHARACTERISTICS:** Made of chrome-plated zamak, with injected sealing gasket. 1P Locks: For cabinets with a height of up to 800 mm. 3P Locks: For cabinets as of a height of 1000 mm. Does not include rods for 3P lock. Locks for installation in ATEX cabinets. 5-mm double-bit key in polyamide / zamak not included (Ref. 48449 / 48460). (See page 42).

### ATEX-INOX standard locks



Ref. 48400



Ref. 48401

#### Reference No.

#### Description

**48400**

1P AISI 316L stainless steel 5-mm double-bit lock

**48401**

3P AISI 316L stainless steel 5-mm double-bit lock (without rods)

**CHARACTERISTICS:** Made of AISI 316L stainless steel. 1P Locks: For cabinets with a height of up to 800 mm. 3P Locks: For cabinets as of a height of 1000 mm. Does not include rods for 3P lock. Locks for installation in INOX-ATEX cabinets. 5-mm double-bit key in polyamide / zamak not included (Ref. 48449 / 48460). (See page 42).

### INOX standard locks



Ref. 48390



Ref. 48391

#### Reference No.

#### Description

**48390**

1P 5-mm double-bit lock in zamak

**48391**

3P 5-mm double-bit lock in zamak (without rods)

**CHARACTERISTICS:** Housing and latch made of painted zamak. 1P Locks: For cabinets with a height of up to 800 mm. 3P Locks: 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 polyamide / zamak not included (Ref. 48449 / 48460). (See page 42).

## Locks with key



Ref. 48456



Ref. 48496

Reference No.	Description
<b>48456</b>	1P 1/4 turn lock with key code 333
<b>48496</b>	3P 1/4 turn lock with key code 333 (without rods)
<b>48493</b>	1P 1/4 turn lock with key code 405
<b>48580</b>	3P 1/4 turn lock with key code 405 (without rods)
<b>48495</b>	1P 1/4 turn lock with key code 1242E
<b>48589</b>	3P 1/4 turn lock with key code 1242E (without rods)

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

1P Locks: For cabinets with a height of up to 800 mm.

3P Locks: For cabinets as of a height of 1000 mm and double-door cabinets. Does not include rods for 3P lock.

Keys are included. (Consult spare references on page 42).

## Wing nut locks



Ref. 48412



Ref. 48413

Reference No.	Description
<b>48412</b>	1P 1/4 turn lock with fixed wing nut
<b>48413</b>	3P 1/4 turn lock with fixed wing nut (without rods)

**CHARACTERISTICS:** Fixed wing nut without key.

1P Locks: Housing and latch in black polyamide. For cabinets with a height of up to 800 mm.

3P Locks: Housing manufactured in black 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.



Ref. 48409



Ref. 48410

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

**CHARACTERISTICS:** Housing manufactured in black polyamide and latch in steel. Aluminum key included (1 piece).

1P Locks: For cabinets with a height of up to 800 mm.

3P Locks: For cabinets as of a height of 1000 mm and double-door cabinets. Does not include rods for 3P lock.



Ref. 48457



Ref. 48411

<b>48457</b>	1P 1/4 turn lock with wing nut with key code 333
<b>48411</b>	3P 1/4 turn lock with wing nut with key code 333 (without rods)

<b>48590</b>	1P 1/4 turn lock with wing nut with key code 405
<b>48591</b>	3P 1/4 turn lock with wing nut with key code 405 (without rods)

<b>48587</b>	1P 1/4 turn lock with wing nut with key code 1242E
<b>48592</b>	3P 1/4 turn lock with wing nut with key code 1242E (without rods)

**CHARACTERISTICS:** Housing manufactured in black polyamide.

1P Locks: For cabinets with a height of up to 800 mm.












3P Locks: For cabinets as of a height of 1000 mm and double-door cabinets. Does not include rods for 3P lock.

Keys are included. (Consult spare references on page 42).








# ARGENTA

## IP66 steel wall-mounting cabinets accessories

### Triangle and square locks

	Reference No.	Description
	<b>48546</b>	1P triangle lock + 6.5-mm triangle key in zamak
	<b>48547</b>	3P triangle lock + 6.5-mm triangle key in zamak (without rods)
Ref. 48546		
	<b>48451</b>	1P triangle lock + 8-mm triangle key in zamak
	<b>48415</b>	3P triangle lock + 8-mm triangle key in zamak (without rods)
Ref. 48451		
	<b>48501</b>	1P triangle lock for padlock + 8-mm triangle key in zamak
	<b>48404</b>	3P triangle lock for padlock + 8-mm triangle key in zamak (without rods)
Ref. 48501		
		
	<b>48455</b>	1P square lock + 7-mm square polyamide key
	<b>48540</b>	3P square lock + 7-mm square polyamide key (without rods)
Ref. 48455		
	Ref. 48540	
<b>CHARACTERISTICS:</b> 1P Locks: Housing and latch manufactured in polyamide. For cabinets with a height of up to 800 mm. 3P Locks: 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.		
	<b>29266</b>	Galvanised interlocking lock
Ref. 29266		

### Keys

	Reference No.	Description
	<b>48449</b>	5-mm double-bit key in polyamide
	<b>48460</b>	5-mm double-bit key in zamak
Ref. 48449		
Ref. 48460		
	<b>48550</b>	1/4 turn key code 333
Ref. 48550		
	<b>48593</b>	1/4 turn key code 405
	<b>48594</b>	1/4 turn key code 1242E
Ref. 48551		
Ref. 48552		
	<b>48551</b>	8-mm triangle key in zamak
	<b>48552</b>	Polyamide key in square

## Wall-mounting support



Reference No.	Description
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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 - INX.

## External fixing



Reference No.	Description
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48422	Inner hook fitting (4-piece pack)
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**MATERIAL:** Galvanised steel.

**CHARACTERISTICS:** Inner fixing support for screwing in the hangers from the outside of the cabinet.

**SUPPLY:** 4-piece pack.

**FOR THE FOLLOWING CABINETS:** GN.

## Mast attachment



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

48420	Mast attachment (2-piece pack)
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**MATERIAL:** Galvanised steel.

**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.

**SUPPLY:** 2-piece pack.

**FOR THE FOLLOWING CABINETS:** GN.

## Lifting eyebolts



Reference No.	Description
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48475	M12 Lifting eyebolts (2-piece pack)
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**MATERIAL:** Galvanised steel.

**CHARACTERISTICS:** They are fitted at the top of the cabinet using M12 nuts.

They cannot be assembled if there is a canopy in place.

**SUPPLY:** 2-piece pack.

**FOR THE FOLLOWING CABINETS:** GN - INX.

## Argenta support stand



Reference No.	Description	Dimensions
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49730	Galvanised steel support painted in RAL 7035	HEIGHT 900
49731	AISI 304L stainless steel support	900

**MATERIAL:** RAL 7035 Galvanised steel or AISI 304L stainless steel.

**FOR THE FOLLOWING CABINETS:** GN-INX.



## IP66 Steel terminal boxes

The terminal boxes range is available in various versions to satisfying all the fitter's needs.

They come in cold rolled steel, in AISI 304L and AISI 316L stainless steel, and in ATEX-marked stainless steel (see the specific ATEX section on page 70).

They are intended for the industrial sector as a machine tool and automation system control box. They are available in a wide variety of sizes, with plain sides or lids for cable entries (see rolled steel version).

They have a closing system that uses quick-release screws with watertight caps to ensure greater security.

The design and manufacture of this line is perfectly suited to special applications that require particular dimensions or the specific mechanisation of a product to meet the requirements of the installation.



## TECNO Technical Specifications (Rolled steel)

- Degree of protection: IP66 / NEMA 1, 4, 12.
- Resistance to impact: IK10.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC / 1500 V DC.

(See references on page 48)

## TECNO INOX Technical Specifications (Stainless steel)

- Degree of protection: IP66 / NEMA 1, 4, 4x, 12.
- Resistance to impact: IK10.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC / 1500 V DC.

(See references on page 52)

## TECNO Certifications



Compliant with the Low Voltage Directive 2014/35/EU.  
Standard: UNE-EN 62208.  
UL508A certificate (Rolled steel boxes).

# TECNO

## IP66 rolled steel terminal boxes



### Product series (Rolled steel)

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#### Standard

- Boxes with plain sides and screw-on cover with depths of 90 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

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Supplied in individual packaging containing the enclosure, lid and the accessory bag.

#### Accessory bag:

- Screws plus caps for enclosure-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).
- Ø9 mm caps for wall mounting and drainage.
- Assembly instructions.

Aimed at industrial environments requiring a high degree of protection against dust, splashes and impacts

### Material

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- Cold-rolled steel EN 10130+A1.
- Injected polyurethane sealing gasket.

### Finish

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- Coated with hardened RAL 7035 embossed polyester paint, with UV protection.

### Protection

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- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, the effect of the corrosion must be taken into consideration.

### Standard painting cycle

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- **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.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



## Enclosure

- 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).
- Double tilt fold improving the contact with the lid to ensure the exact tightening and increasing the opening frame space of the box.
- 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 65x195 mm in all references. The entry is compatible with FL21-type frame.
- 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 IP66 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.
- Sloping sides increasing the contact with the enclosure guaranteeing the exact tightening.



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

## Hinges

- Possibility of installing hinges, both in height and width, thanks to the built-in slit incorporated both in the enclosure and cover for screw insertion. Hinges are supplied as accessories.



### IP66 boxes with cable entry and screw-on lid. Rolled steel

Reference No.	Dimensions (AXBXC)	Drawing	Sheet thickness		Cable entry		DIM. CABLE ENT.	Plate brackets		Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL.	LID	ENT. IN A	ENT. IN B		SIDE	CENT.		20	25	30	35	40
EXA3015135	300x150x135	Drawing 3	1.2	1.2	1	0	65x195	2	-	2.62	17.2	21.5	25.8	30.1	34.4
EXA3020135	300x200x135	Drawing 3	1.2	1.2	1	0	65x195	2	-	3.21	21.4	26.8	32.1	37.5	42.8
EXA3030135	300x300x135	Drawing 3	1.2	1.2	1	1	65x195	2	-	4.45	28.1	35.1	42.2	49.2	56.2
EXA4020135	400x200x135	Drawing 3	1.2	1.2	1	0	65x195	2	-	3.95	27.2	34.0	40.8	47.5	54.3
EXA4030135	400x300x135	Drawing 3	1.2	1.2	1	1	65x195	2	-	5.96	35.4	44.3	53.1	62.0	70.8
EXA4040135	400x400x135	Drawing 3	1.2	1.2	1	1	65x195	2	-	7.11	43.6	54.6	65.5	76.4	87.3
EXA5020135	500x200x135	Drawing 3	1.2	1.2	2	0	65x195	2	-	4.29	32.9	41.2	49.4	57.6	65.8
EXA5030135	500x300x135	Drawing 3	1.2	1.2	2	1	65x195	2	-	6.41	42.7	53.4	64.1	74.7	85.4
EXA6020135	600x200x135	Drawing 4	1.2	1.2	2	0	65x195	2	1	5.69	38.7	48.3	58.0	67.7	77.4
EXA6030135	600x300x135	Drawing 4	1.2	1.2	2	1	65x195	2	1	7.78	50.0	62.5	75.0	87.5	100.0
EXA6040135	600x400x135	Drawing 4	1.2	1.2	2	1	65x195	2	1	9.55	61.3	76.6	92.0	107.3	122.6
EXA8020135	800x200x135	Drawing 4	1.2	1.2	3	0	65x195	2	1	7.44	50.2	62.7	75.3	87.8	100.4
EXA8040135	800x400x135	Drawing 4	1.2	1.2	3	1	65x195	2	1	11.96	79.0	98.7	118.5	138.2	158.0

### IP66 boxes with plain sides and screw-on lid. Rolled steel

Reference No.	Dimensions (AXBXC)	Drawing	Sheet thickness		Plate supports		Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL.	LID	SIDE	CENT.		20	25	30	35	40
ELA151590	150x150x90	Drawing 1	1.2	1.2	2	-	1.27	8.5	10.6	12.7	14.8	17.0
ELA201590	200x150x90	Drawing 1	1.2	1.2	2	-	1.49	10.6	13.2	15.9	18.5	21.2
ELA202090	200x200x90	Drawing 1	1.2	1.2	2	-	1.94	12.8	16.1	19.3	22.5	25.7
ELA301590	300x150x90	Drawing 1	1.2	1.2	2	-	2.19	14.8	18.5	22.2	25.8	29.5
ELA302090	300x200x90	Drawing 1	1.2	1.2	2	-	2.50	17.8	22.3	26.7	31.2	35.6
ELA402090	400x200x90	Drawing 1	1.2	1.2	2	-	3.11	22.8	28.5	34.2	39.8	45.5
ELA1515135	150x150x135	Drawing 1	1.2	1.2	2	-	1.47	10.6	13.2	15.9	18.5	21.2
ELA2015135	200x150x135	Drawing 1	1.2	1.2	2	-	1.81	13.1	16.4	19.6	22.9	26.2
ELA2020135	200x200x135	Drawing 1	1.2	1.2	2	-	2.33	15.7	19.6	23.5	27.4	31.3
ELA3015135	300x150x135	Drawing 1	1.2	1.2	2	-	2.47	18.1	22.6	27.1	31.6	36.1
ELA3020135	300x200x135	Drawing 1	1.2	1.2	2	-	2.96	21.4	26.8	32.1	37.5	42.8
ELA3030135	300x300x135	Drawing 1	1.2	1.2	2	-	3.97	28.1	35.1	42.2	49.2	56.2
ELA4020135	400x200x135	Drawing 1	1.2	1.2	2	-	3.71	27.2	34.0	40.8	47.5	54.3
ELA4030135	400x300x135	Drawing 1	1.2	1.2	2	-	4.86	35.4	44.3	53.1	62.0	70.8
ELA4040135	400x400x135	Drawing 1	1.2	1.2	2	-	6.13	43.6	54.6	65.5	76.4	87.3
ELA5020135	500x200x135	Drawing 1	1.2	1.2	2	-	4.29	32.9	41.2	49.4	57.6	65.8
ELA5030135	500x300x135	Drawing 1	1.2	1.2	2	-	5.79	42.7	53.4	64.1	74.7	85.4
ELA6020135	600x200x135	Drawing 2	1.2	1.2	2	1	5.25	38.7	48.3	58.0	67.7	77.4
ELA6040135	600x400x135	Drawing 2	1.2	1.2	2	1	9.39	61.3	76.6	92.0	107.3	122.6
ELA8020135	800x200x135	Drawing 2	1.2	1.2	2	1	6.74	50.2	62.7	75.3	87.8	100.4

IP66 / NEMA 1, 4, 12.

RAL 7035 rolled steel.

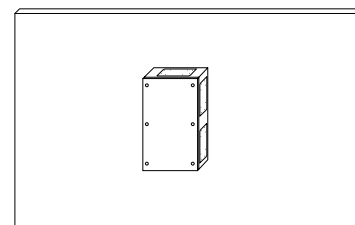
Injected polyurethane sealing gasket.

Boxes supplied without mounting plates.

For special boxes, check availability of UL certificate.

\* 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 56.



### Hinges



Reference No.	Description
48625	Hinges for TECNO series boxes



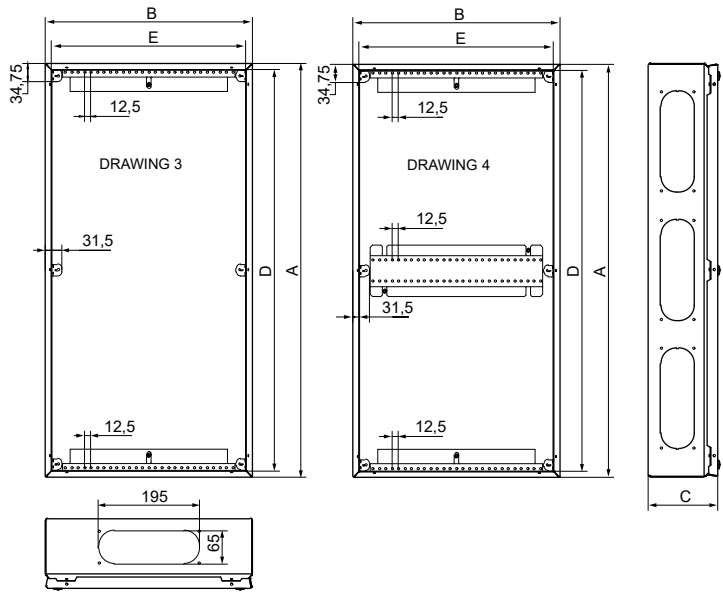
Box with plain sides



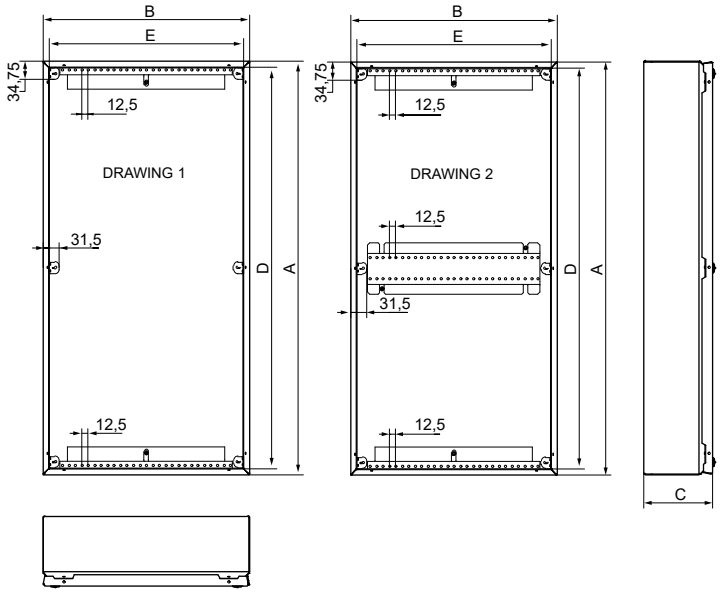
Box with cable entry

**Dimensions:** Tecno rolled steel

With cable entry



With plain sides



# TECNO INOX

## IP66 stainless steel terminal boxes



### Product series (Stainless steel)

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#### Standard

- AISI 304L and 316L stainless steel boxes, with plain sides and screw-on cover with depths of 90 mm and 135 mm.
- AISI 304L and 316L stainless steel hinged boxes, with plain sides and screw-on cover with depth of 135 mm.

#### To order

- AISI 304L and 316L stainless steel boxes with cable entry and screw-on cover with a depth of 135 mm.
- Special boxes, dimensions, cut-outs, colours, etc.

### Supply

---

Supplied in individual packaging containing enclosure, lid and accessories bags.

- Boxes are supplied with protective film or, failing that, bagged.
- Lid and enclosure supplied unbolted.
- Screws and washers for the enclosure-lid mounting.
- Plate height adjusters, watertight caps and M6 nuts.
- Earth connection labels.
- Assembly instructions.

Intended for industrial environments and outdoor facilities with aggressive agents or saline environments

### Recommended applications

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- **AISI 304L:** Industrial environments and outdoor facilities with aggressive agents or saline environments; food, chemical and petrochemical industries, where a high degree of hygiene is required.
- **AISI 316L:** All previous applications and, in addition, sea ports and areas with a high salt or chlorine concentration.

### Material

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

### Finish

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- Scotch 320 satin finish.

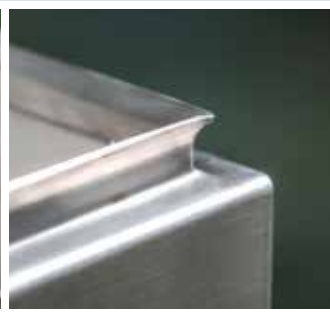


## Enclosure

- Manufactured in AISI 304L or 316L stainless steel from a single cross-shaped part.
- Reduced-width drainage fold and mounting wings specially designed to get the perfect fit between enclosure and lid.
- M6x22 rivet nut on one side for external earth connection.
- M6x10 earth connection bolt in both enclosure and lid.
- Four cut-out holes to attach the wall hangers (not included in the set).
- Four M6x20 bolts on the base of the box to fasten the mounting plate (not included in the set).

## Lid

- The lid is totally flat, thus permitting the attachment of pilot lights, control elements
- The inside of the lid is coated by a injected polyurethane sealing gasket that guarantees the unit's IP66 protection.
- M6x10 bolt for connection guaranteeing mass continuity.
- Lid closure using stainless steel bolts and Teflon seal, thus ensuring a perfect attachment between lid and enclosure.
- 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.
- The mounting plate is fastened with M6 nuts to the four M6x20 bolts on the base of the box.

# TECNO INOX

## IP66 stainless steel terminal boxes

### IP66 boxes with plain sides and screw-on lid. AISI 304L Stainless steel

Reference No.	Dimensions (AXBXC)	Opening frame space (DXE)	Sheet thickness		Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL.	LID		20	25	30	35	40
ELA151590/INX	150x150x90	125x125	1.2	1.2	1.27	8.20	10.30	12.30	14.40	16.40
ELA201590/INX	200x150x90	175x125	1.2	1.2	1.49	10.30	12.80	15.40	18.00	20.50
ELA202090/INX	200x200x90	175x175	1.2	1.2	1.92	12.50	15.60	18.70	21.90	25.00
ELA301590/INX	300x150x90	275x125	1.2	1.2	2.19	14.40	17.90	21.50	25.10	28.70
ELA302090/INX	300x200x90	275x175	1.2	1.2	2.50	17.40	21.70	26.00	30.40	34.70
ELA402090/INX	400x200x90	375x175	1.2	1.2	3.11	22.20	27.80	33.30	38.90	44.40
ELA1515135/INX	150x150x135	125x125	1.2	1.2	1.47	10.60	13.20	15.90	18.50	21.20
ELA2015135/INX	200x150x135	175x125	1.2	1.2	1.81	13.10	16.40	19.60	22.90	26.20
ELA2020135/INX	200x200x135	175x175	1.2	1.2	2.29	15.70	19.60	23.50	27.40	31.30
ELA3015135/INX	300x150x135	275x125	1.2	1.2	2.47	18.10	22.60	27.10	31.60	36.10
ELA3020135/INX	300x200x135	275x175	1.2	1.2	2.96	21.40	26.80	32.10	37.50	42.80
ELA3030135/INX	300x300x135	275x275	1.2	1.2	3.97	28.10	35.10	42.20	49.20	56.20
ELA4020135/INX	400x200x135	375x175	1.2	1.2	3.71	27.20	34.00	40.80	47.50	54.30
ELA4030135/INX	400x300x135	375x275	1.2	1.2	4.86	35.40	44.30	53.10	62.00	70.80
ELA4040135/INX	400x400x135	375x375	1.2	1.2	6.13	43.60	54.60	65.50	76.40	87.30
ELA5020135/INX	500x200x135	475x175	1.2	1.2	4.29	32.90	41.20	49.40	57.60	65.80
ELA5030135/INX	500x300x135	475x275	1.2	1.2	5.79	42.70	53.40	64.10	74.70	85.40

IP66 / NEMA 1, 4, 4x, 12.

AISI 304L Stainless steel. Scotch 320 satin finish.

Polyurethane sealing gasket.

Boxes supplied without mounting plates.

### IP66 boxes with plain sides and screw-on lid. AISI 316L Stainless steel

Reference No.	Dimensions (AXBXC)	Opening frame space (DXE)	Sheet thickness		Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL.	LID		20	25	30	35	40
ELA151590/INX-316	150x150x90	125x125	1.2	1.2	1.27	8.20	10.30	12.30	14.40	16.40
ELA201590/INX-316	200x150x90	175x125	1.2	1.2	1.49	10.30	12.80	15.40	18.00	20.50
ELA202090/INX-316	200x200x90	175x175	1.2	1.2	1.92	12.50	15.60	18.70	21.90	25.00
ELA301590/INX-316	300x150x90	275x125	1.2	1.2	2.19	14.40	17.90	21.50	25.10	28.70
ELA302090/INX-316	300x200x90	275x175	1.2	1.2	2.50	17.40	21.70	26.00	30.40	34.70
ELA402090/INX-316	400x200x90	375x175	1.2	1.2	3.11	22.20	27.80	33.30	38.90	44.40
ELA1515135/INX-316	150x150x135	125x125	1.2	1.2	1.47	10.60	13.20	15.90	18.50	21.20
ELA2015135/INX-316	200x150x135	175x125	1.2	1.2	1.81	13.10	16.40	19.60	22.90	26.20
ELA2020135/INX-316	200x200x135	175x175	1.2	1.2	2.29	15.70	19.60	23.50	27.40	31.30
ELA3015135/INX-316	300x150x135	275x125	1.2	1.2	2.47	18.10	22.60	27.10	31.60	36.10
ELA3020135/INX-316	300x200x135	275x175	1.2	1.2	2.96	21.40	26.80	32.10	37.50	42.80
ELA3030135/INX-316	300x300x135	275x275	1.2	1.2	3.97	28.10	35.10	42.20	49.20	56.20
ELA4020135/INX-316	400x200x135	375x175	1.2	1.2	3.71	27.20	34.00	40.80	47.50	54.30
ELA4030135/INX-316	400x300x135	375x275	1.2	1.2	4.86	35.40	44.30	53.10	62.00	70.80
ELA4040135/INX-316	400x400x135	375x375	1.2	1.2	6.13	43.60	54.60	65.50	76.40	87.30
ELA5020135/INX-316	500x200x135	475x175	1.2	1.2	4.29	32.90	41.20	49.40	57.60	65.80
ELA5030135/INX-316	500x300x135	475x275	1.2	1.2	5.79	42.70	53.40	64.10	74.70	85.40

IP66 / NEMA 1, 4, 4x, 12.

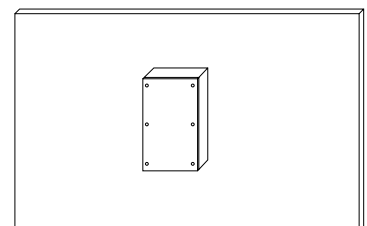
AISI 316L Stainless steel. Scotch 320 satin finish.

Polyurethane sealing gasket.

Boxes supplied without mounting plates.

\* 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 56.

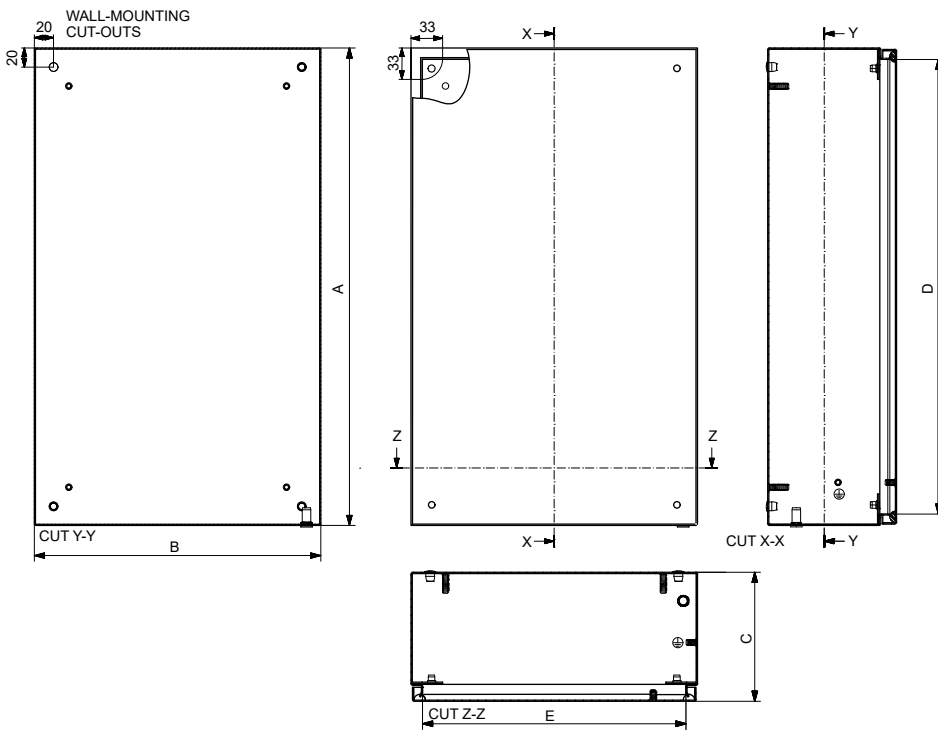




INOX boxes with plain sides

## Dimensions: Tecno stainless steel

With plain sides



# TECNO INOX

## IP66 stainless steel terminal boxes

### IP66 boxes with plain sides and hinged lid. AISI 304L Stainless steel

Reference No.	Dimensions [AXBXC]	Opening frame space [DXE]	Sheet thickness		Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL.	LID		20	25	30	35	40
ELAB1515135/INX	150x150x135	125x115	1.2	1.2	1.47	10.60	13.20	15.90	18.50	21.20
ELAB2015135/INX	200x150x135	175x115	1.2	1.2	1.81	13.10	16.40	19.60	22.90	26.20
ELAB2020135/INX	200x200x135	175x165	1.2	1.2	2.29	15.70	19.60	23.50	27.40	31.30
ELAB3015135/INX	300x150x135	275x115	1.2	1.2	2.47	18.10	22.60	27.10	31.60	36.10
ELAB3020135/INX	300x200x135	275x165	1.2	1.2	2.96	21.40	26.80	32.10	37.50	42.80
ELAB3030135/INX	300x300x135	275x265	1.2	1.2	3.97	28.10	35.10	42.20	49.20	56.20
ELAB4020135/INX	400x200x135	375x165	1.2	1.2	3.71	27.20	34.00	40.80	47.50	54.30
ELAB4030135/INX	400x300x135	375x265	1.2	1.2	4.86	35.40	44.30	53.10	62.00	70.80
ELAB4040135/INX	400x400x135	375x365	1.2	1.2	6.13	43.60	54.60	65.50	76.40	87.30

IP66 / NEMA 1, 4, 4x, 12.

AISI 304L Stainless steel. Scotch 320 satin finish.

Polyurethane sealing gasket.

Boxes supplied without mounting plates.

### IP66 boxes with plain sides and hinged lid. AISI 316L Stainless steel

Reference No.	Dimensions [AXBXC]	Opening frame space [DXE]	Sheet thickness		Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL.	LID		20	25	30	35	40
ELAB1515135/INX-316	150x150x135	125x115	1.2	1.2	1.47	10.60	13.20	15.90	18.50	21.20
ELAB2015135/INX-316	200x150x135	175x115	1.2	1.2	1.81	13.10	16.40	19.60	22.90	26.20
ELAB2020135/INX-316	200x200x135	175x165	1.2	1.2	2.29	15.70	19.60	23.50	27.40	31.30
ELAB3015135/INX-316	300x150x135	275x115	1.2	1.2	2.47	18.10	22.60	27.10	31.60	36.10
ELAB3020135/INX-316	300x200x135	275x165	1.2	1.2	2.96	21.40	26.80	32.10	37.50	42.80
ELAB3030135/INX-316	300x300x135	275x265	1.2	1.2	3.97	28.10	35.10	42.20	49.20	56.20
ELAB4020135/INX-316	400x200x135	375x165	1.2	1.2	3.71	27.20	34.00	40.80	47.50	54.30
ELAB4030135/INX-316	400x300x135	375x265	1.2	1.2	4.86	35.40	44.30	53.10	62.00	70.80
ELAB4040135/INX-316	400x400x135	375x365	1.2	1.2	6.13	43.60	54.60	65.50	76.40	87.30

IP66 / NEMA 1, 4, 4x, 12.

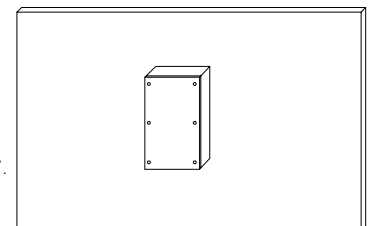
AISI 316L Stainless steel. Scotch 320 satin finish.

Polyurethane sealing gasket.

Boxes supplied without mounting plates.

\* 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 56](#).

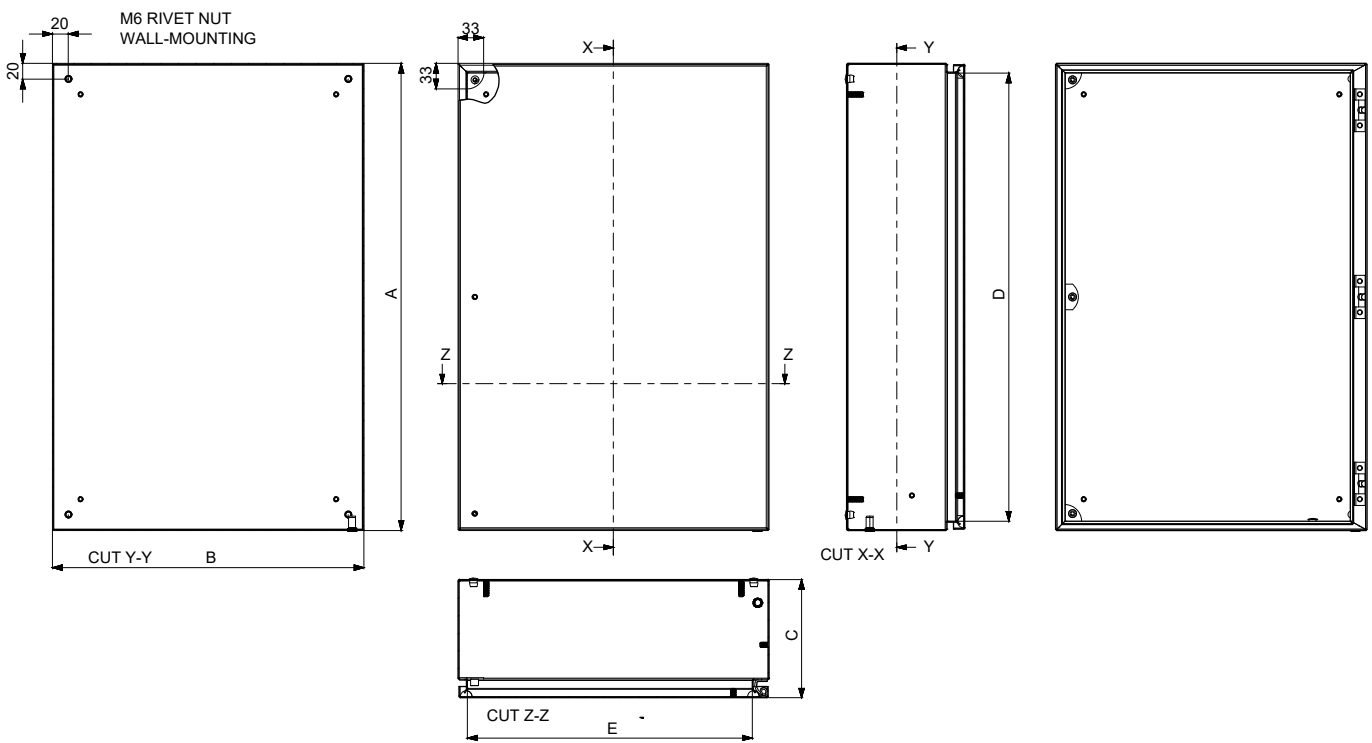




Hinged boxes in stainless steel

## Dimensions: Tecno stainless steel

### Hinged boxes





### Plain metal mounting plates



Reference No.	Dimensions (AXB)	For box	
		A	B
PLT1515	130x115	150	150
PLT2015	180x115	200	150
PLT2020	180x165	200	200
PLT3015	280x115	300	150
PLT3020	280x165	300	200
PLT3030	280x265	300	300
PLT4020	380x165	400	200
PLT4030	380x265	400	300
PLT4040	380x365	400	400
PLT5020	480x165	500	200
PLT5030	480x265	500	300
PLT6020	580x165	600	200
PLT6030	580x265	600	300
PLT6040	580x365	600	400
PLT8020	780x165	800	200
PLT8040	780x365	800	400

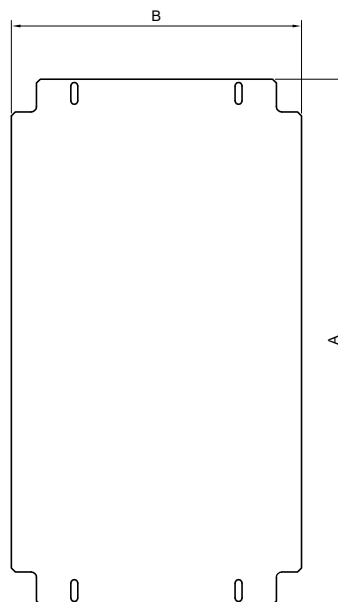
**MATERIAL:** Plain mounting plate in 2-mm thick galvanised steel.

**CHARACTERISTICS:** Rolled steel boxes: 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.

Stainless steel boxes: The plate is fastened with M6 nuts to the M6x20 bolts on the base of the box (mounting accessories bag included in the box).

**FOR THE FOLLOWING BOXES:** ELA - EXA.



## Wall-mounting support



Ref. 48423

Ref. 48623

Reference No.	Description
48423	Galvanised wall-mounting support (4-piece pack)
48623	AISI 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.

## FL21-type frame and lid



Reference No.	Description	Internal dimensions
TFL21	Frame 214x90	170x68

Reference No.	Description
TCFL21	Blind lid 214x90

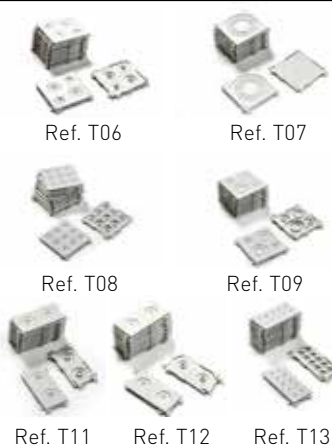
**MATERIAL:** Fibreglass-reinforced polypropylene.

**CHARACTERISTICS:** FL21 frame for fitting the various inserts. Covers with entrances with membranes of various diameters for different combinations. For the full set, order the cable entry cover, the FL21 frame and the inserts. IP65 protection degree.

**SUPPLY:** 10-pieces bag.

**FOR THE FOLLOWING CABINETS:** GN-EXA.

## Interchangeable inserts for FL21-type frame



Ref. T06

Ref. T07

Ref. T08

Ref. T09

Ref. T11

Ref. T12

Ref. T13

Reference No.	Dimensions	No. of entries
	WIDTH X DEPTH	∅
T06	68x68	2xM25 (8-17 mm) 2xM16 (5-10 mm)
T07	68x68	1xM32-M40-M50
T08	68x68	9x7-14 mm
T09	68x68	2x20-30 mm 2x10-20 mm
T11	34x68	2x8-17 mm
T12	34x68	2xM20 (6-13 mm)
T13	34x68	10x4-10 mm

# ATEX



## ATEX series intended for potentially explosive atmospheres

IDE presents its ATEX certified product range, specially intended for potentially explosive atmospheres, where the degree of protection and strength must be maximised.

We offer an extensive range of ATEX certified equipment: IP66 wall-mounting cabinets (Argenta ATEX series) manufactured in rolled steel and AISI 304L & 316L stainless steel, as well as IP66 terminal boxes (Tecno ATEX series) in AISI 316L stainless steel.

The design and manufacture of this line of products has plenty of flexibility to adapt to special applications that require specific dimensions, to suit the requirements of the user and the facilities.



## ARGENTA ATEX Technical Specifications

### Wall-mounting cabinets

- **Degree of protection:**  
Rolled steel cabinets: IP66 / NEMA 1, 4, 12.  
Stainless steel cabinets: IP66 / NEMA 1, 4, 4x, 12.
- **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 / 1500 V DC.  
(See references on page 64 and 68)

## TECNO ATEX Technical Specifications

### Terminal boxes

- **Degree of protection:** IP66 / NEMA 1, 4, 4x, 12.
- **Resistance to impact:** IK10.
- **Ambient temperature range:**  
With silicone rubber gasket: -55 °C / +100 °C.
- **Maximum operating voltage:** 1000 V AC / 1500 V DC.  
(See references on page 72)

## ARGENTA ATEX Certifications



Compliant with the 2014/34/UE directive.

**Certified by LOM:** Cabinets with polyurethane sealing gasket (-25 °C / +60 °C). UNE-EN 60079-0, UNE-EN 60079-7 and UNE-EN 60079-31 standards.

**Certified by Dekra:** Cabinets with silicone rubber gasket (-55 °C / +100 °C). CEI 60079-0, CEI 60079-7 and CEI 60079-31 standards.

- ⚡ II 2G - Ex eb IIC Gb.
- II 2D - Ex tb IIIC Db.

## TECNO ATEX Certifications



Compliant with the 2014/34/UE directive.

**Certified by DEKRA:** Boxes with silicone rubber gasket (-55 °C / +100 °C). Compliant with the CEI 60079-0, CEI 60079-7 and CEI 60079-31 standards.

- ⚡ II 2G - Ex eb IIC Gb.
- II 2D - Ex tb IIIC Db.

### Regulations for ATEX atmospheres

Directive 2014/34/EU relating to equipment and protective systems intended for use in potentially explosive atmospheres.

### 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.

**Potentially explosive atmosphere:** An atmosphere which could become explosive due to local and operational conditions.

Normal atmospheric conditions are considered as:

- Temperature between -20 °C / +60 °C.
- Pressure between 0.8 and 1.1 bar.

**ATEX DOES NOT COVER** the risk of explosion from volatile substances such as explosives, fireworks or mixtures under pressure.

### ATEX Atmospheres Classification

Application	Cat./presence of pot. explosive atmospheres	Hazardous Zones	Atmosphere
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	<b>G</b>
		Zone 20: mist and dust	<b>D</b>
	2. Occasional	Zone 1: gas and vapour	<b>G</b>
		Zone 21: mist and dust	<b>D</b>
	3. Short periods only	Zone 2: gas and vapour	<b>G</b>
		Zone 22: mist and dust	<b>D</b>

Classification into groups and zones under Directive 2014/34/UE.

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.

### 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...

### Ignition temperature of GAS or DUST

THERMAL CLASS	TEMPERATURE °C
T1	450
T2	300
T3	200
T4	135
T5	100
T6	85

GASES have an ignition temperature, and this must be known in order to select equipment with a lower temperature.

**DUST** has two types of ignition temperature:

**MITC:** Minimum Ignition Temperature for **a cloud**.

**MITL:** Minimum Ignition Temperature for **a layer**.

These values limit the surface temperature of equipment to: Lower than 2/3 of MITC or MITL -75°C.

IDE cannot perform temperature tests, as these depend on the components installed inside. IDE only certifies/sells the enclosure.

## WHICH PARTS OF ATEX DOES IDE OFFER COMPLIANCE WITH?

### Group II: NON-mining


Gas IIC (Hydrogen and similar)

Dust IIIC (Conductive dust)

### Zones

GAS	DUST	FREQUENCY	CATEGORY	
1	21	Intermittent	2	We offer compliance
2	22	Occasional	3	We offer compliance
0	20	Continuous	1	We do not offer compliance

### 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 nonelectrical equipment. "Control of sources of ignition".

**eb:** Protection mode: "Increased safety".

**tb:** Protection mode: "Enclosure".

**IIIC:** Type of dust. "Conductive".



The image shows a detailed ATEX label for the IDE ATX604025. The label includes the IDE logo, the model number ATX604025, and the ATEX symbol. It specifies the equipment is for Group II, Category 2, in a Zone 21 atmosphere (II 2 G - Ex eb IIC Gb) and a Zone 22 atmosphere (II 2 D - Ex tb IIIC Db). The label also lists the operating temperature range as -X °C / +Y °C, the degree of protection as IP66, and the manufacturer as ARGENTA ATEX. It includes the IEC/EN 62208 RoHS compliance statement and the O.F.N. number 111110959-06/11. The label is marked 'MADE IN SPAIN' and has a small number 07/01 at the bottom right.

Reference.

Operating temperature.

IDE manufacturing order.

Degree of protection.

## Nomenclature

### Gas



EX ATEX  
 eb Increased safety  
 IIC Hydrogen and similar  
 Gb NON-electrical equipment

### Dust



EX ATEX  
 tb Enclosure safety  
 IIIC Conductive dust  
 Db NON-electrical equipment

### Gas and dust



EX ATEX  
 II Group 2 NON-mining  
 2 Categories 2 for zones 1, 21 / 2, 22  
 GD Gas and dust

# ARGENTA ATEX

## IP66 rolled steel wall-mounting cabinets



### Product series (Rolled steel)

#### 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.

- Key.

- 4 wall-hangers.

- Assembly instructions.

Prepared for installation in potentially explosive atmospheres

### Material

- Cold-rolled steel EN 10130+A1.
- Injected polyurethane sealing gasket.

### Finish

- Coated with hardened RAL 7035 epoxy polyester paint, embossed.

### Protection

- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, the effect of the corrosion must be taken into consideration.

### 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 epoxy polyester paint.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



## Enclosure

- 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.
- M6x10 earth bolt located on the cabinet wall for joining enclosure and door by means of earth wire.
- The cabinet has a M6x22 rivet nut for exterior 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 enclosure and wall).

## Door

- Opaque door with 110° opening.
- Concealed hinges welded to the enclosure and door.
- 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.
- Welded 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 chrome-plated zamak with injected sealing gasket plus 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.



# ARGENTA ATEX

## IP66 rolled steel wall-mounting cabinets

### IP66 opaque single-door cabinets. Rolled steel - ATEX

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)*				
			ENCL.	DOOR					20	25	30	35	40
ATX302015	300x200x150	270x150	1.2	1.2	1	2	1	3.90	19.7	24.7	29.6	34.6	39.5
ATX302515	300x250x150	270x200	1.2	1.2	1	2	1	4.59	26.2	32.8	39.4	45.9	52.5
ATX303015	300x300x150	270x250	1.2	1.2	1	2	2	5.40	29.7	37.1	44.6	52.0	59.4
ATX303020	300x300x200	270x250	1.2	1.2	1	2	2	6.10	35.0	43.7	52.5	61.2	70.0
ATX403020	400x300x200	370x250	1.2	1.2	1	2	2	7.35	43.6	54.5	65.3	76.2	87.1
ATX404020	400x400x200	370x350	1.2	1.2	1	2	2	9.60	52.8	66.0	79.2	92.4	105.6
ATX406020	400x600x200	370x550	1.2	1.2	1	2	2	14.85	71.3	89.1	106.9	124.7	142.6
ATX504020	500x400x200	470x350	1.2	1.2	2	2	2	11.35	62.9	78.7	94.4	110.1	125.8
ATX604020	600x400x200	570x350	1.2	1.2	2	2	2	13.68	73.0	91.3	109.6	127.8	146.1
ATX604025	600x400x250	570x350	1.2	1.2	2	2	2	10.50	82.1	102.6	123.1	143.6	164.1
ATX605025	600x500x250	570x450	1.2	1.5	2	2	2	18.00	95.2	118.9	142.7	166.5	190.3
ATX606025	600x600x250	570x550	1.5	1.5	2	2	2	23.20	108.2	135.3	162.4	189.4	216.5
ATX705025	700x500x250	670x450	1.5	1.5	2	2	2	22.44	107.8	134.8	161.7	188.7	215.6
ATX806030	800x600x300	770x550	1.5	1.5	2	3	2	32.80	149.2	186.5	223.7	261.0	298.3
ATX808030	800x800x300	770x750	1.5	1.5	2	3	2	39.70	183.0	228.8	274.6	320.3	366.1
ATX1008030	1000x800x300	970x750	1.5	2	3P	3	2	51.35	219.6	274.5	329.3	384.2	439.1

IP66 / NEMA 1,12, 4.

Rolled steel RAL 7035.

Injected polyurethane sealing gasket. Ambient temperature range: -25 °C / +60 °C.

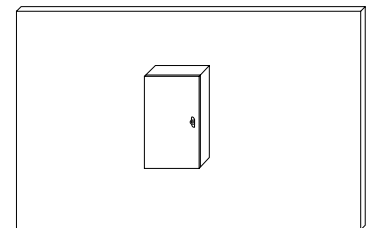
3P: 3-point lock.

**Cabinets supplied with mounting plate. For references without plate, add /SP; e.g.: ATX403020/SP.**

(Check availability).

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

\* 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".





Argenta ATEX rolled steel

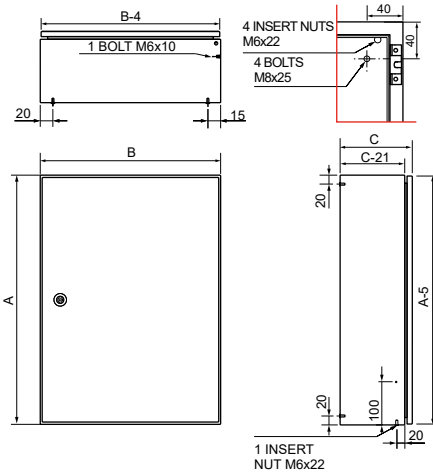
ATEX

### 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 from 1000x800x300	390 kg	40 kg	350 kg

### Dimensions: Argenta ATEX rolled steel

#### Single door



# ARGENTA ATEX

## IP66 stainless steel wall-mounting cabinets



### Product series (Stainless steel)

---

#### 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.

Cabinets are supplied with protective film or, failing that, bagged.

#### 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

### Recommended applications

---

Environments with potentially explosive atmospheres; areas that are hazardous due to the presence of flammable gases, vapours, mists or dust in which, after ignition, there is the possibility of an explosion.

### Materials

---

- AISI 304L and 316L stainless steel.
- Continuous injected silicone rubber gasket.

### Finish

---

- Scotch 320 satin finish.



## Enclosure

- 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 enclosure and door by means of earth wire.
- The cabinet has a M6x22 rivet nut for exterior earthing.
- Double fold to prevent water from entering the cabinet.
- M6 rivet nuts on the base of the cabinet for mounting the four wall hangers included in the unit (11 mm separation between enclosure and wall).
- No cable entry.

## Door

- Opaque door with 110° opening.
- Concealed hinges welded to the enclosure and door.
- 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, guaranteeing the IP66. This gasket ensures excellent performance when dealing with high temperatures and 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 with sealing injected gasket plus key.
- A three-point rod lock is supplied in stainless steel for cabinets with height of 1000 mm.
- Cabinets with a width of 600 mm or greater are supplied with two horizontal locks.

## Mounting plate

- Flat mounting plate included in all cabinet references.
- Made from galvanised sheet steel with a thickness of 2 mm.

# ARGENTA ATEX

## IP66 stainless steel wall-mounting cabinets

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

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)*				
			ENCL.	DOOR					20	25	30	35	40
ATX302015/INX	300x200x150	270x150	1.2	1.2	1	2	-	3.90	19.7	24.7	29.6	34.6	39.5
ATX302515/INX	300x250x150	270x200	1.2	1.2	1	2	-	4.60	26.2	32.8	39.4	45.9	52.5
ATX303015/INX	300x300x150	270x250	1.2	1.2	1	2	-	5.40	29.7	37.1	44.6	52.0	59.4
ATX403020/INX	400x300x200	370x250	1.2	1.2	1	2	1	7.40	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+2	12.90	71.3	89.1	106.9	124.7	142.6
ATX504020/INX	500x400x200	470x350	1.2	1.2	2	2	2	11.40	62.9	78.7	94.4	110.1	125.8
ATX604020/INX	600x400x200	570x350	1.2	1.2	2	2	2	13.70	73.0	91.3	109.6	127.8	146.1
ATX605025/INX	600x500x250	570x450	1.2	1.5	2	2	2	17.80	95.2	118.9	142.7	166.5	190.3
ATX606025/INX	600x600x250	570x550	1.5	1.5	2+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+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+2	3	2+2	39.70	183.0	228.8	274.6	320.3	366.1
ATX1008030/INX	1000x800x300	970x750	1.5	2	3P+2	3	2+2	51.40	219.6	274.5	329.3	384.2	439.1

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

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)*				
			ENCL.	DOOR					20	25	30	35	40
ATX302015/INX-316	300x200x150	270x150	1.2	1.2	1	2	-	3.90	19.7	24.7	29.6	34.6	39.5
ATX302515/INX-316	300x250x150	270x200	1.2	1.2	1	2	-	4.60	26.2	32.8	39.4	45.9	52.5
ATX303015/INX-316	300x300x150	270x250	1.2	1.2	1	2	-	5.40	29.7	37.1	44.6	52.0	59.4
ATX403020/INX-316	400x300x200	370x250	1.2	1.2	1	2	1	7.40	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+2	12.90	71.3	89.1	106.9	124.7	142.6
ATX504020/INX-316	500x400x200	470x350	1.2	1.2	2	2	2	11.40	62.9	78.7	94.4	110.1	125.8
ATX604020/INX-316	600x400x200	570x350	1.2	1.2	2	2	2	13.70	73.0	91.3	109.6	127.8	146.1
ATX605025/INX-316	600x500x250	570x450	1.2	1.5	2	2	2	17.80	95.2	118.9	142.7	166.5	190.3
ATX606025/INX-316	600x600x250	570x550	1.5	1.5	2+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+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+2	3	2+2	39.70	183.0	228.8	274.6	320.3	366.1
ATX1008030/INX-316	1000x800x300	970x750	1.5	2	3P+2	3	2+2	51.40	219.6	274.5	329.3	384.2	439.1

IP66 / NEMA 1, 4, 4x, 12.

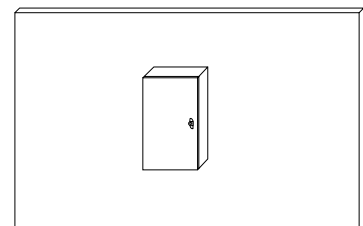
Stainless steel: Scotch 320 satin finish.

Injected silicone rubber gasket. Ambient temperature range: -55 °C / +100 °C.

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".



ATEX Stainless steel cabinet

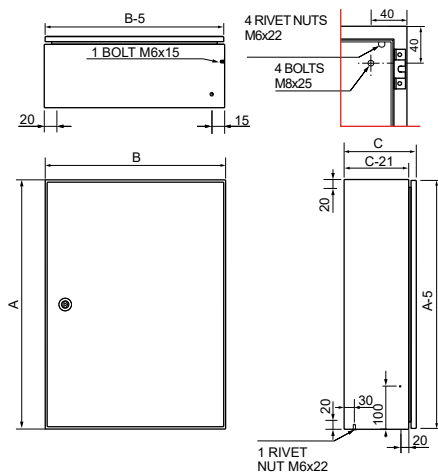
ATEX

### 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 600x400x200	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 ATEX stainless steel

#### Argenta stainless steel ATEX



# TECNO ATEX

## IP66 stainless steel terminal boxes



### Product series (Stainless steel)

---

#### Standard

- AISI 304 and AISI 316L **STAINLESS STEEL ATEX** boxes, with plain sides and screw-on cover, with injected silicone rubber gasket, and 135-mm depth.

#### To order

- AISI 304L and 316L **STAINLESS STEEL ATEX** boxes, with cable entry and screw-on cover, with injected silicone rubber gasket, and 135-mm depth.
- Special boxes, dimensions, cut-outs, colours, etc.

### Supply

---

Supplied in individual cardboard packaging containing enclosure, lid and accessories bag.

- Boxes are supplied with protective film or, failing that, bagged.
- Lid and enclosure supplied unbolted.
- Screws and washers for the enclosure-lid mounting.
- Plate height adjusters and M6 nuts.
- Four wall hangers.
- Earth connection labels.
- Assembly instructions.

Compact and robust, they are available in AISI 304L and 316L stainless steel

### Recommended applications

---

Environments with potentially explosive atmospheres; areas that are hazardous due to the presence of flammable gases, vapours, mists or dust in which, after ignition, there is the possibility of an explosion.

### Material

---

- AISI 304L or 316L stainless steel.
- Injected silicone sealing gasket.

### Finish

---

- Scotch 320 satin finish.



## Enclosure

- Manufactured in AISI 304L or 316L stainless steel from a single cross-shaped part, with a thickness of 1.2 mm.
- Reduced-width drainage fold and mounting wings specially designed to get the perfect fit between enclosure and lid.
- M6x10 earth connection bolt in both enclosure and lid.
- Four M6x22 rivet nuts on the base of the box for mounting the four wall hangers included in the unit (11 mm separation between enclosure and wall).
- Four M6x20 bolts on the base to attach to the mounting plate.
- M6x22 earth connection rivet nut on the side.

## 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 silicone rubber gasket that guarantees IP66 protection. This seal ensures excellent performance when dealing with high temperatures and external agents. Due to the properties of the material, it is impossible to obtain a perfect joint between the two ends of the silicone seal, but this does not affect the protection specified for the unit.
- M6x10 bolt for connection guaranteeing mass continuity.
- The lid is closed with stainless steel screws with teflon gasket, guaranteeing perfect attachment between cover and enclosure.
- 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.
- The mounting plate is fastened with M6 nuts to the four M6x20 bolts on the base of the box.



# TECNO ATEX

## IP66 stainless steel terminal boxes

### IP66 boxes with plain sides and screw-on lid. AISI 304L Stainless steel - ATEX

Reference No.	Cabinet dimensions (AXBXC)	Opening frame space (DXE)	Sheet thickness		Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL.	LID		20	25	30	35	40
ELATX1515135/INX	150x150x135	125x125	1.2	1.2	1.50	10.60	13.20	15.90	18.50	21.20
ELATX2015135/INX	200x150x135	175x125	1.2	1.2	1.80	13.10	16.40	19.60	22.90	26.20
ELATX2020135/INX	200x200x135	175x175	1.2	1.2	2.30	15.70	19.60	23.50	27.40	31.30
ELATX3015135/INX	300x150x135	275x125	1.2	1.2	2.50	18.10	22.60	27.10	31.60	36.10
ELATX3020135/INX	300x200x135	275x175	1.2	1.2	3.00	21.40	26.80	32.10	37.50	42.80
ELATX3030135/INX	300x300x135	275x275	1.2	1.2	4.00	28.10	35.10	42.20	49.20	56.20
ELATX4020135/INX	400x200x135	375x175	1.2	1.2	3.70	27.20	34.00	40.80	47.50	54.30
ELATX4030135/INX	400x300x135	375x275	1.2	1.2	4.90	35.40	44.30	53.10	62.00	70.80
ELATX4040135/INX	400x400x135	375x375	1.2	1.2	6.10	43.60	54.60	65.50	76.40	87.30

IP66 / NEMA 1, 4, 4x, 12.

AISI 304L Stainless steel. Scotch 320 satin finish.

Injected silicone rubber gasket. Ambient temperature range: -55 °C / +100 °C.

Boxes supplied without mounting plates.

\* 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 boxes with plain sides and screw-on lid. AISI 316L Stainless steel - ATEX

Reference No.	Cabinet dimensions (AXBXC)	Opening frame space (DXE)	Sheet thickness		Weight KG	Power dissipation according to temperature increase °C P(W)*				
			ENCL.	LID		20	25	30	35	40
ELATX1515135/INX-316	150x150x135	125x125	1.2	1.2	1.50	10.60	13.20	15.90	18.50	21.20
ELATX2015135/INX-316	200x150x135	175x125	1.2	1.2	1.80	13.10	16.40	19.60	22.90	26.20
ELATX2020135/INX-316	200x200x135	175x175	1.2	1.2	2.30	15.70	19.60	23.50	27.40	31.30
ELATX3015135/INX-316	300x150x135	275x125	1.2	1.2	2.50	18.10	22.60	27.10	31.60	36.10
ELATX3020135/INX-316	300x200x135	275x175	1.2	1.2	3.00	21.40	26.80	32.10	37.50	42.80
ELATX3030135/INX-316	300x300x135	275x275	1.2	1.2	4.00	28.10	35.10	42.20	49.20	56.20
ELATX4020135/INX-316	400x200x135	375x175	1.2	1.2	3.70	27.20	34.00	40.80	47.50	54.30
ELATX4030135/INX-316	400x300x135	375x275	1.2	1.2	4.90	35.40	44.30	53.10	62.00	70.80
ELATX4040135/INX-316	400x400x135	375x375	1.2	1.2	6.10	43.60	54.60	65.50	76.40	87.30

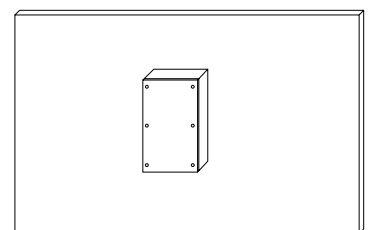
IP66 / NEMA 1, 4, 4x, 12.

AISI 316L Stainless steel. Scotch 320 satin finish.

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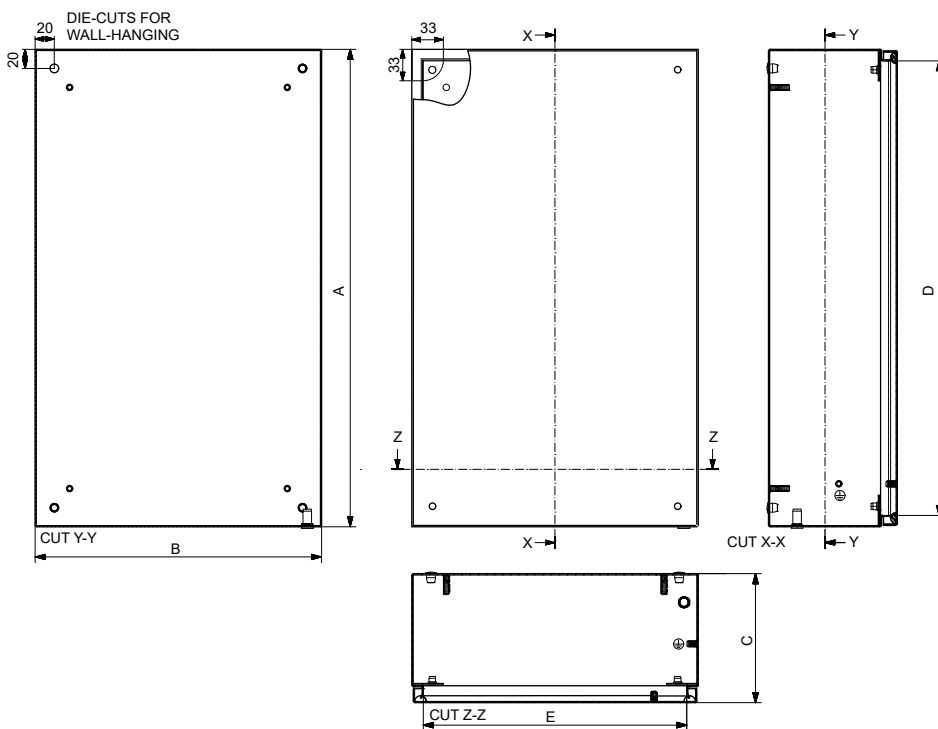




ATEX stainless steel boxes

## Dimensions: Tecno ATEX stainless steel

With plain sides



# GLASS



## 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.

IP  
55

IP  
66

CE



GLASS

## 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:** -25 °C / +40 °C.
- **Test of resistance to glow wire:** 960 °C.
- **Thermal class:** A 150 °C.
- **Maximum operating voltage:** 1000 V AC / 1500 V DC.

## GLASS Certifications

CE

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

# GLASS

## IP66-IP55 polyester wall-mounting cabinets



### Material

Fibreglass-reinforced hot-pressed polyester.

Main characteristics:

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

### Polyester finish

RAL 7035 grey.

### Product series

#### Standard

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

*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.

### Recommended applications

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



IP66 cabinets with transparent door



IP55 cabinets with bottom opening



IP55 cabinets with canopy



## Enclosure

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

- Compact enclosure 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.
- Plate adjustment pack available for depths 200, 230 and 300 mm.
- Mounting plates supplied as accessory.

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

- Mounting plates available:
  - 4-mm thick polyester.
  - 2 and 3-mm thick galvanised metal.
- Plate adjustment pack available for both depths, 300 and 420 mm.
- Mounting plates supplied as accessory.

# GLASS

## IP66 polyester wall-mounting cabinets

### Opaque single-door cabinets. IP66 Polyester

Reference No.	Dimensions (AXBXC)	Polyester thickness		No. locks	No. hinges	Wall-mounting (EXF)	Weight KG	Power dissipation according to temperature increase °C P(W)*				
		ENCL.	LID					20	25	30	35	40
<b>POL302514</b>	300x250x140	2.5	2.7	1	2	248x215	1.97	16.1	20.1	24.1	28.1	32.1
<b>POL403020</b>	400x300x200	2.8	2.8	2	2	338x262	3.70	27.7	34.7	41.6	48.5	55.4
<b>POL404020</b>	400x400x200	2.8	2.8	2	2	338x362	4.59	33.6	42.0	50.4	58.8	67.2
<b>POL504020</b>	500x400x200	2.8	2.8	2	2	438x362	5.47	40.0	50.1	60.1	70.1	80.1
<b>POL604023</b>	600x400x230	3	3	2	2	538x362	13.09	49.9	62.4	74.9	87.4	99.8
<b>POL605023</b>	600x500x230	3	3	2	2	538x462	8.21	58.1	72.6	87.1	101.6	116.1
<b>POL806030</b>	800x600x300	3	3	2	2	734x558	13.09	94.9	118.7	142.4	166.1	189.8

Polyester RAL 7035.

Cabinets supplied without mounting plate.

With 1/4 turn lock.

### Transparent 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)*				
		ENCL.	LID						20	25	30	35	40
<b>POL302514PT</b>	300x250x140	2.5	2.7	1	2	220x115	248x215	1.97	16.1	20.1	24.1	28.1	32.1
<b>POL403020PT</b>	400x300x200	2.8	2.8	2	2	281x121	338x262	3.70	27.7	34.7	41.6	48.5	55.4
<b>POL404020PT</b>	400x400x200	2.8	2.8	2	2	281x221	338x362	4.59	33.6	42.0	50.4	58.8	67.2
<b>POL504020PT</b>	500x400x200	2.8	2.8	2	2	381x221	438x362	5.47	40.0	50.1	60.1	70.1	80.1
<b>POL604023PT</b>	600x400x230	3	3	2	2	481x221	538x362	13.09	49.9	62.4	74.9	87.4	99.8
<b>POL605023PT</b>	600x500x230	3	3	2	2	481x321	538x462	8.21	58.1	72.6	87.1	101.6	116.1
<b>POL806030PT</b>	800x600x300	3	3	2	2	681x421	734x558	13.09	94.9	118.7	142.4	166.1	189.8

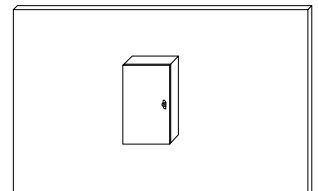
Polyester RAL 7035.

Cabinets supplied without mounting plate.

With 1/4 turn lock.

\* 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 PAGES 82-83.





IP66 polyester cabinet  
with opaque door

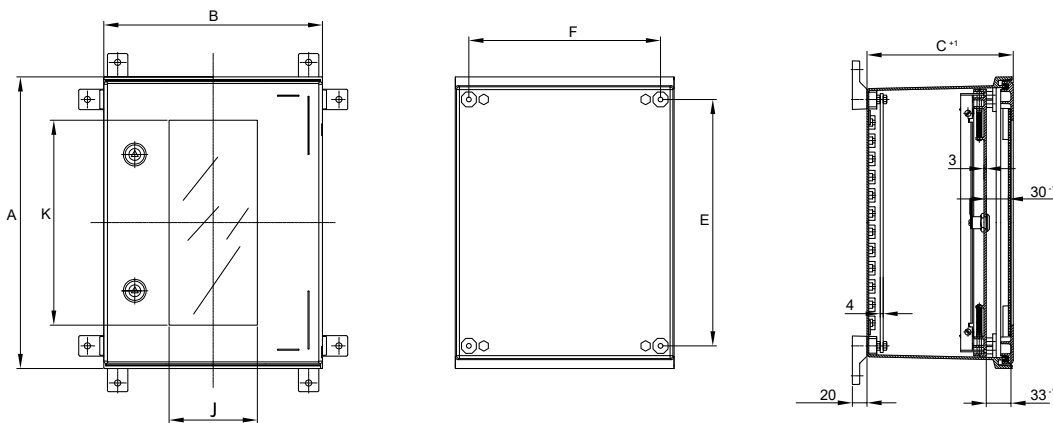


IP66 polyester cabinet  
with transparent door

### Maximum acceptable loads

IP66	Total Load	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

### Dimensions: IP66 Polyester





# GLASS

## IP55 polyester wall-mounting cabinets

### Opaque-door cabinets. IP55 Polyester

Reference No.	Dimensions		Polyester thickness		No. locks	No. hinges	Wall-mounting	Weight	Power dissipation according to temperature increase °C P(W)**				
	(AXBXC)	SIDES	TOP/BOTTOM	REAR DOOR					KG	20	25	30	35
POL505030	510x500x312	4	3	3.5	3P	2	368x552	9.76	60.3	75.4	90.5	105.6	120.7
POL755030	760x500x312	4	3	3.5	3P	2	618x552	12.96	82.4	103.0	123.6	144.2	164.8
POL1005030	1010x500x312	4	3	3.5	3P	3	868x552	16.82	104.5	130.6	156.7	182.8	209.0
POL1007530	1010x750x312	4	3	3.5	3P	3	868x802	21.22	136.9	171.1	205.3	239.5	273.7
POL1007542	1010x750x420	3	3	3.5	3P	3	868x802	22.72	161.0	201.2	241.4	281.7	321.9
POL10010030(*)	1010x1000x312	4	3	3.5	3P/3P	3/3	868x1052	28.21	150.0	199.0	249.0	302.0	357.0
POL10010042(*)	1010x1000x420	3	3	3.5	3P/3P	3/3	868x1052	30.16	181.0	239.0	300.0	364.0	430.0
POL1255030	1260x500x312	4	3	3.5	3P	4	1118x552	21.24	126.6	158.2	189.8	221.5	253.1
POL1257530	1260x750x312	4	3	3.5	3P	4	1118x802	26.40	165.1	206.3	247.6	288.9	330.2
POL1257542	1260x750x420	3	3	3.5	3P	4	1118x802	28.00	192.9	241.2	289.4	337.7	385.9
POL12510030(*)	1260x1000x312	4	3	3.5	3P/3P	4/4	1118x1052	34.76	166.0	220.0	275.0	334.0	395.0
POL12510042(*)	1260x1000x420	3	3	3.5	3P/3P	4/4	1118x1052	36.81	205.0	271.0	341.0	413.0	488.0
POL12512530(*)	1260x1250x312	4	3	3.5	3P/3P	4/4	1118x1302	40.01	230.0	305.0	383.0	463.0	547.0
POL12512542(*)	1260x1250x420	3	3	3.5	3P/3P	4/4	1118x1302	42.01	278.0	367.0	461.0	559.0	660.0

(\*) Double-door cabinets.

### Opaque-door cabinets. IP55 Polyester open at the bottom

Reference No.	Dimensions		Polyester thickness		No. locks	No. hinges	Wall-mounting	Weight	Power dissipation according to temperature increase °C P(W)**				
	(AXBXC)	SIDES	TOP/BOTTOM	REAR DOOR					KG	20	25	30	35
POL505030/A	510x500x312	4	3	3.5	3P	2	368x552	9.76	60.3	75.4	90.5	105.6	120.7
POL755030/A	760x500x312	4	3	3.5	3P	2	618x552	12.96	82.4	103.0	123.6	144.2	164.8
POL1005030/A	1010x500x312	4	3	3.5	3P	3	868x552	16.82	104.5	130.6	156.7	182.8	209.0
POL1007530/A	1010x750x312	4	3	3.5	3P	3	868x802	21.22	136.9	171.1	205.3	239.5	273.7
POL1007542/A	1010x750x420	3	3	3.5	3P	3	868x802	22.72	161.0	201.2	241.4	281.7	321.9
POL10010030/A(*)	1010x1000x312	4	3	3.5	3P/3P	3/3	868x1052	28.21	150.0	199.0	249.0	302.0	357.0
POL10010042/A(*)	1010x1000x420	3	3	3.5	3P/3P	3/3	868x1052	30.16	181.0	239.0	300.0	364.0	430.0
POL1255030/A	1260x500x312	4	3	3.5	3P	4	1118x552	21.24	126.6	158.2	189.8	221.5	253.1
POL1257530/A	1260x750x312	4	3	3.5	3P	4	1118x802	26.40	165.1	206.3	247.6	288.9	330.2
POL1257542/A	1260x750x420	3	3	3.5	3P	4	1118x802	28.00	192.9	241.2	289.4	337.7	385.9
POL12510030/A(*)	1260x1000x312	4	3	3.5	3P/3P	4/4	1118x1052	34.76	166.0	220.0	275.0	334.0	395.0
POL12510042/A(*)	1260x1000x420	3	3	3.5	3P/3P	4/4	1118x1052	36.81	205.0	271.0	341.0	413.0	488.0
POL12512530/A(*)	1260x1250x312	4	3	3.5	3P/3P	4/4	1118x1302	40.01	230.0	305.0	383.0	463.0	547.0
POL12512542/A(*)	1260x1250x420	3	3	3.5	3P/3P	4/4	1118x1302	42.01	278.0	367.0	461.0	559.0	660.0

Polyester RAL 7035.

Cabinets supplied without mounting plate.

Opaque door cabinets with retractable handle.

3P: one 3-point lock.

(\*) Double-door cabinets.

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



IP55 polyester cabinet with opaque door



IP55 polyester cabinet open at the bottom



IP55 polyester cabinet with canopy

## Opaque-door cabinets. IP55 Polyester with canopy

Reference No.	Dimensions		Polyester thickness		No. locks	No. hinges	Wall-mounting	Weight	Power dissipation according to temperature increase °C P(W)**					
	(AXBXC)	SIDES	TOP/BOTTOM	REAR DOOR CANOPY					KG	20	25	30	35	40
POL505030/T	510x500x312	4	3	3.5	4	3P	2	368x552	9.76	60.3	75.4	90.5	105.6	120.7
POL755030/T	760x500x312	4	3	3.5	4	3P	2	618x552	12.96	82.4	103.0	123.6	144.2	164.8
POL1005030/T	1010x500x312	4	3	3.5	4	3P	3	868x552	16.82	104.5	130.6	156.7	182.8	209.0
POL1007530/T	1010x750x312	4	3	3.5	4	3P	3	868x802	21.22	136.9	171.1	205.3	239.5	273.7
POL1007542/T	1010x750x420	3	3	3.5	3	3P	3	868x802	22.72	161.0	201.2	241.4	281.7	321.9
POL10010030/T(*)	1010x1000x312	4	3	3.5	3	3P/3P	3/3	868x1052	28.21	150.0	199.0	249.0	302.0	357.0
POL10010042/T(*)	1010x1000x420	3	3	3.5	3.5	3P/3P	3/3	868x1052	30.16	181.0	239.0	300.0	364.0	430.0
POL1255030/T	1260x500x312	4	3	3.5	4	3P	4	1118x552	21.24	126.6	158.2	189.8	221.5	253.1
POL1257530/T	1260x750x312	4	3	3.5	4	3P	4	1118x802	26.40	165.1	206.3	247.6	288.9	330.2
POL1257542/T	1260x750x420	3	3	3.5	3	3P	4	1118x802	28.00	192.9	241.2	289.4	337.7	385.9
POL12510030/T(*)	1260x1000x312	4	3	3.5	3	3P/3P	4/4	1118x1052	34.76	166.0	220.0	275.0	334.0	395.0
POL12510042/T(*)	1260x1000x420	3	3	3.5	3.5	3P/3P	4/4	1118x1052	36.81	205.0	271.0	341.0	413.0	488.0
POL12512530/T(*)	1260x1250x312	4	3	3.5	3	3P/3P	4/4	1118x1302	40.01	230.0	305.0	383.0	463.0	547.0
POL12512542/T(*)	1260x1250x420	3	3	3.5	3.5	3P/3P	4/4	1118x1302	42.01	278.0	367.0	461.0	559.0	660.0

Polyester RAL 7035.

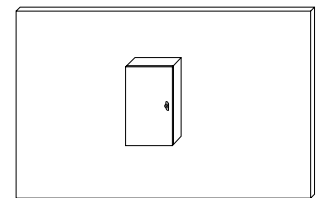
Cabinets supplied without mounting plate.

Opaque door cabinets with retractable handle.

3P: one 3-point lock.

(\*) Double-door cabinets.

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".

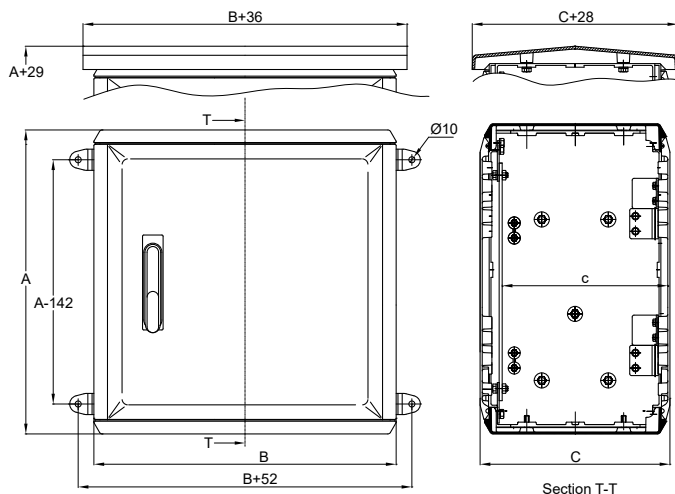
SEE ACCESSORIES ON PAGES 84-85.

### Maximum acceptable loads

IP55	Total Load	Door	Plate
510x500x312	58 Kg	8 Kg	50 Kg
760x500x312	76.5 Kg	10.5 Kg	66 Kg
1010x500x312	102 Kg	14 Kg	88 Kg
1010x750x312	152 Kg	21 Kg	131 Kg
1010x750x420	152 Kg	21 Kg	131 Kg
1010x1000x312	182 Kg	21 Kg	161 Kg
1010x1000x420	182 Kg	21 Kg	161 Kg

IP55	Total Load	Door	Plate
1260x500x312	127 Kg	17.5 Kg	109 Kg
1260x750x312	190 Kg	26 Kg	164 Kg
1260x750x420	190 Kg	26 Kg	164 Kg
1260x1000x312	126.5/126.5 Kg	17.5/17.5 Kg	109/109 Kg
1260x1000x420	126.5/126.5 Kg	17.5/17.5 Kg	109/109 Kg
1260x1250x312	126.5/190 Kg	17.5/26 Kg	109/164 Kg
1260x1250x420	126.5/190 Kg	17.5/26 Kg	109/164 Kg

### Dimensions: IP55 Polyester



Wall-hanging accessories not included in the set.

# GLASS

## IP66 polyester wall-mounting cabinet accessories

### Mounting plates for IP66 cabinets



Reference No.	Dimensions	For cabinet	
		HEIGHT	WIDTH
<b>POLYESTER</b>	<b>(AXB)</b>		
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
<b>METAL</b>	<b>(AXB)</b>		
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.

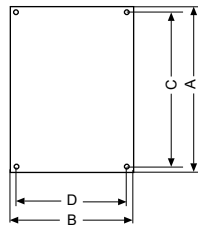
Reference No.	Dimensions	For cabinet	
		HEIGHT	WIDTH
<b>INSULATING</b>	<b>(AXB)</b>		
PBL3025	268x213	300	250
PBL4030	358x260	400	300
PBL4040	358x360	400	400
PBL5040	458x360	500	400
PBL6040	558x360	600	400
PBL6050	558x460	600	500
PBL8060	754x556	800	600

**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	458	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	WIDTH
	<b>HEIGHT X WIDTH</b>		
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 7035 reinforced polyester.

**CHARACTERISTICS:** Includes frame 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. 29233



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
29233	Manual lock with 220-type key
29266	Galvanised interlocking lock

**MATERIAL:** Black polyamide.

**CHARACTERISTICS:** Ref. 29266 does not include the padlock.

**FOR THE FOLLOWING CABINETS:** IP66 Polyester.

## Post attachment



Reference No.	Description
29270	Post attachment for cabinet width 250
29271	Post attachment for cabinet width 300
29272	Post attachment for cabinet width 400
29273	Post attachment for cabinet width 500
29274	Post attachment for cabinet width 600

**CHARACTERISTICS:** Post attachment for outdoor and temporary installations.

Set of adjustable straps and flanges. Clamps and profiles made of galvanized steel.

**FOR THE FOLLOWING CABINETS:** IP66 Polyester.

# GLASS

## IP55 polyester wall-mounting cabinet accessories

### Mounting plates for IP55 cabinets



Reference No.	Dimensions	For cabinet	
POLYESTER	HEIGHT X WIDTH	HEIGHT	WIDTH
PPL5050	393x405	500	500
PPL7550	643x405	750	500
PPL10050	893x405	1000	500
PPL10075	893x655	1000	750
PPL100100	893x905	1000	1000
PPL12550	1143x405	1250	500
PPL12575	1143x655	1250	750
PPL125100	1143x905	1250	1000
PPL125125	1143x1155	1250	1250

**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	Thickness	For cabinet	
METAL	HEIGHT X WIDTH	mm	HEIGHT	WIDTH
PML5050	393x405	2	500	500
PML7550	643x405	2	750	500
PML10050	893x405	3	1000	500
PML10075	893x655	3	1000	750
PML100100	893x905	3	1000	1000
PML12550	1143x405	3	1250	500
PML12575	1143x655	3	1250	750
PML125100	1143x905	3	1250	1000
PML125125	1143x1155	3	1250	1250

**MATERIAL:** Plain mounting plate in 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.



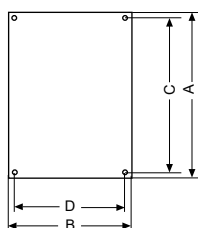
Reference No.	Description	For cabinet
BASE PLATE ADJUSTMENT PACK		DEPTH
29235	Base plate adjustment pack 300	300
29236	Base plate adjustment pack 420	420

**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
PPL100100	PML100100	893	905	853	875	9
PPL12550	PML12550	1143	405	1103	375	9
PPL12575	PML12575	1143	655	1103	625	9
PPL125100	PML125100	1143	905	1103	875	9
PPL125125	PML125125	1143	1155	1103	1125	9

## Polyester plinth



Reference No.	Dimensions	For cabinet	
		WIDTH	DEPTH
<b>ZOC5030/P</b>	60x500x300	500	300
<b>ZOC7530/P</b>	60x750x300	750	300
<b>ZOC7542/P</b>	60x750x420	750	420
<b>ZOC10030/P</b>	60x1000x300	1000	300
<b>ZOC10042/P</b>	60x1000x420	1000	420
<b>ZOC12530/P</b>	60x1250x300	1250	300
<b>ZOC12542/P</b>	60x1250x420	1250	420

**MATERIAL:** RAL 7035 polyester.

**CHARACTERISTICS:** Height of 60 mm.

**FOR THE FOLLOWING CABINETS:** IP55 Polyester.

## Wall-mounting



Reference No.	Description
<b>29240</b>	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
<b>29241</b>	3-mm double-bit DIN lock (standard)
<b>29242</b>	11-mm triangle lock handle with key
<b>29243</b>	Manual lock handle with JIS type key

**MATERIAL:** Black polyamide.

**CHARACTERISTICS:** Locks with retractable handle.

Reference 29241 does not include the key.

**FOR THE FOLLOWING CABINETS:** IP55 Polyester.

# ROC



## IP66 Polyester Double Insulation 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

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- Degree of protection: IP66.
- Resistance to impact: IK09.
- Test of resistance to glow wire: 960 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Dielectric strength: >150 kV/cm.
- Insulation resistance: 3.3 kV.
- Protection against contacts: Double insulation.
- Thermal class: A 120 °C.
- Maximum operating voltage: 1000 V AC / 1500 V DC.

## ROC Certifications

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



# ROC

## IP66 polyester double insulation boxes



### Recommended applications

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

### 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:

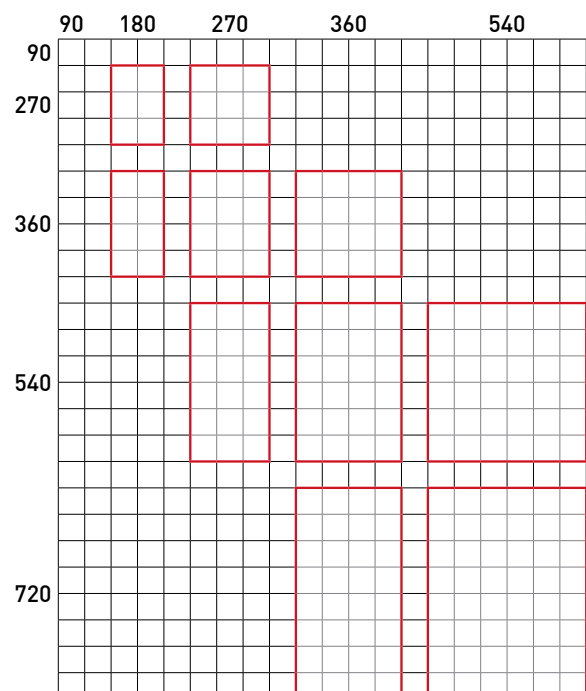
- Halogen-free.
- Non-hygroscopic (zero water absorption).
- Double insulation.
- Corrosion-resistant.
- Alkali-resistant.
- Transparent and opaque lids with ultraviolet (UV) protection.

### 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 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.
- Screws for use with a screwdriver. Other types of closing screws supplied as accessories: manual, for grey, blue or triangular screwdriver. Screws used in ROC42 references are sealables.
- Different hinge models supplied as accessories to easily turn the box into a cabinet.

Intended for industrial and outdoor facilities providing a high degree of protection against chemical agents and UV-rays

### 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).



# ROC

## IP66 polyester double insulation boxes

### 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	-	1.18	12.05	15.06	18.07	21.08	24.09	
ROC32APT	3x2 high	270x180x171	250x160x154	245x155	200x110	-	1.27	13.60	17.00	20.39	23.79	27.19	
ROC33PT	3x3	270x270x171	250x250x154	245x245	200x200	-	1.64	17.49	21.86	26.23	30.60	34.97	
ROC34PT	3x4	270x360x171	250x340x154	245x335	200x290	-	1.98	21.38	26.72	32.06	37.41	42.75	
ROC34APT	3x4 high	270x360x201	250x340x184	245x335	200x290	-	2.03	23.45	29.32	35.18	41.05	46.91	
ROC42PT	4x2	360x180x171	340x160x154	335x155	290x110	-	1.31	17.12	21.40	25.69	29.97	34.25	
ROC44PT	4x4	360x360x171	340x340x154	335x335	290x290	-	2.42	26.49	33.11	39.74	46.36	52.98	
ROC44APT	4x4 high	360x360x201	340x340x184	335x335	290x290	-	2.56	28.91	36.14	43.36	50.59	57.82	
ROC63PT	6x3	540x270x171	515x245x154	515x245	470x200	200	2.67	30.45	38.06	45.67	53.28	60.90	
ROC63APT	6x3 high	540x270x201	515x245x184	515x245	470x200	200	2.96	33.28	41.60	49.92	58.25	66.57	
ROC64PT	6x4	540x360x171	515x335x154	515x335	470x290	200	3.62	36.72	45.90	55.08	64.26	73.44	
ROC64APT	6x4 high	540x360x201	515x335x184	515x335	470x290	200	3.75	39.82	49.77	59.73	69.68	79.64	
ROC66PT	6x6	540x540x171	515x515x154	515x515	470x470	200	5.21	49.26	61.58	73.89	86.21	98.52	
ROC66APT	6x6 high	540x540x201	515x515x184	515x515	470x470	200	5.44	52.89	66.11	79.33	92.56	105.78	
ROC84PT	8x4	720x360x201	695x335x184	695x335	650x290	290	4.15	50.73	63.41	76.09	88.77	101.46	
ROC86PT	8x6	720x540x201	695x515x184	695x515	650x470	290	7.29	66.97	83.72	100.46	117.20	133.95	

RAL 7035 polyester.

Transparent polycarbonate lid with UV protection.

1 module = 90 mm.

ROC42 boxes: sealables.

### 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	-	1.18	12.05	15.06	18.07	21.08	24.09	
ROC32APO	3x2 high	270x180x171	250x160x154	245x155	200x110	-	1.27	12.05	15.06	18.07	21.08	24.09	
ROC33PO	3x3	270x270x171	250x250x154	245x245	200x200	-	1.64	17.49	21.86	26.23	30.60	34.97	
ROC34PO	3x4	270x360x171	250x340x154	245x335	200x290	-	1.98	21.38	26.72	32.06	37.41	42.75	
ROC34APO	3x4 high	270x360x201	250x340x184	245x335	200x290	-	2.03	23.45	29.32	35.18	41.05	46.91	
ROC42PO	4x2	360x180x171	340x160x154	335x155	290x110	-	1.31	17.12	21.40	25.69	29.97	34.25	
ROC44PO	4x4	360x360x171	340x340x154	335x335	290x290	-	2.42	26.49	33.11	39.74	46.36	52.98	
ROC44APO	4x4 high	360x360x201	340x340x184	335x335	290x290	-	2.56	28.91	36.14	43.36	50.59	57.82	
ROC63PO	6x3	540x270x171	515x245x154	515x245	470x200	200	2.67	30.45	38.06	45.67	53.28	60.90	
ROC63APO	6x3 high	540x270x201	515x245x184	515x245	470x200	200	2.87	33.28	41.60	49.92	58.25	66.57	
ROC64PO	6x4	540x360x171	515x335x154	515x335	470x290	200	3.62	36.72	45.90	55.08	64.26	73.44	
ROC64APO	6x4 high	540x360x201	515x335x184	515x335	470x290	200	3.75	39.82	49.77	59.73	69.68	79.64	
ROC66PO	6x6	540x540x171	515x515x154	515x515	470x470	200	5.21	49.26	61.58	73.89	86.21	98.52	
ROC66APO	6x6 high	540x540x201	515x515x184	515x515	470x470	200	5.44	52.89	66.11	79.33	92.56	105.78	
ROC84PO	8x4	720x360x201	695x335x184	695x335	650x290	290	4.15	50.73	63.41	76.09	88.77	101.46	
ROC86PO	8x6	720x540x201	695x515x184	695x515	650x470	290	7.29	66.97	83.72	100.46	117.20	133.95	

RAL 7035 polyester.

Opaque polycarbonate lid.

1 module = 90 mm.

ROC42 boxes: sealables.

\* 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 92](#).



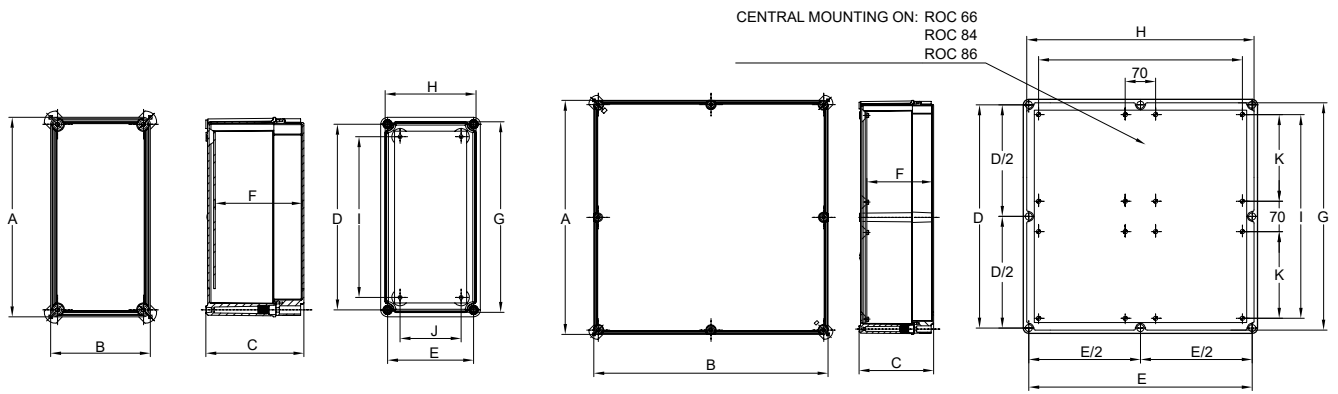
Box with opaque lid



Box with transparent lid

ROC

## Dimensions



### Mounting plates



Reference No.	Plate dimensions	Thickness	For box type
<b>POLYESTER</b>			
<b>HEIGHT X WIDTH</b>		<b>mm</b>	
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
<b>BAKELITE</b>			
<b>HEIGHT X WIDTH</b>		<b>mm</b>	
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
<b>METAL</b>			
<b>HEIGHT X WIDTH</b>		<b>mm</b>	
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
29524	Mast attachment

**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 IP43
29532	Large ventilation device IP43

**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

**CHARACTERISTICS:** For side opening of modules.

## Closing screw



Reference No.	Description
29550	Manual head (ROC32)
29551	Grey screwdriver head
29552	Blue screwdriver head
29553	Triangular head (ROC32)
29554	Sealable screw head (ROC42)
29555	Grey screwdriver head (ROC32)

**MATERIAL:** Polyamide.  
**CHARACTERISTICS:** Captive closing screws. References 29551 and 29552 are suitable for all the boxes, except the ROC32 type.  
**SUPPLY:** 4-piece bag.

## Cable accessories



Reference No.	Description
29545	Cable box A 263/109
29546	Cable box B 173/109

# ARGENTA PLUS



## 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.



## ROLLED STEEL

### 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:**  
Enclosure and opaque doors: IK10.
- **Ambient temperature range:** -25 °C / +40 °C.  
(See references on page 98)

\* With the 48690 insulation kit.

### 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:**  
Enclosure and opaque doors: IK10.  
Transparent doors: IK09.
- **Ambient temperature range:** -25 °C / +40 °C.  
(See references on page 110)

\* With the 48690 insulation kit.

### COMBINABLE (ENL) Technical Specifications

- **Degree of protection:**  
Single-door cabinets: IP55 / NEMA 1, 12.  
Double-door cabinets: IP55 / NEMA 1, 12.
- **Resistance to impact:**  
Enclosure and opaque doors: IK10.  
Transparent doors: IK09.
- **Ambient temperature range:** -25 °C / +40 °C.  
(See references on page 116)

## STAINLESS STEEL

### COMPACT (BIG) Technical Specifications

- **Degree of protection:**  
Single-door cabinets: IP65 / NEMA 1, 4, 4x, 12.
- **Resistance to impact:**  
Enclosure and opaque doors: IK10.
- **Ambient temperature range:** -25 °C / +40 °C.  
(See references on page 102)

### 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 / 1500 V DC.
- **Rated insulation voltage ( $U_i$ ):** 1000 V AC.
- **Rated impulse withstand voltage ( $U_{imp}$ ):**  
12 kV (depending on type of accessory).
- **Current (Ie):**  
BIG: up to 3200 A (depending on type of accessory).  
ENL-FSC: up to 7400 A (depending on type of accessory).
- **Rated short-time withstand current ( $I_{sw}$ ):**  
105 kA (1s) (depending on type of accessory).
- **Rated peak withstand current ( $I_{pk}$ ):**  
231 kA (depending on type of accessory).



# ARGENTA PLUS COMPACT (BIG)

IP55-IP65 rolled steel floor-standing compact cabinets



## Product series (Rolled steel)

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### 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 mm.
- Width: 600 - 800 - 1000 - 1200 mm.
- Depth: 400 - 500 mm.

### To order:

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

## Supply

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- 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

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- Cold-rolled steel EN 10130+A1.
- Injected polyurethane sealing gasket.

## Finish

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- Coated with hardened RAL 7035 embossed polyester paint, with UV protection.

## Protection

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- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, the effect of the corrosion must be taken into consideration.

## Standard painting cycle

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- **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.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



## Enclosure

- Single-piece cabinet enclosure 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 1.2-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 the IP 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.



# ARGENTA PLUS COMPACT (BIG)

## IP55-IP65 rolled steel floor-standing compact cabinets

### Single-door cabinets with mounting plate. Rolled steel. IP65\* Compact

Reference No.	Dimensions (AXBXC)	Opaque door	Cable entry WIDTH X DEPTH	Weight KG	Power dissipation according to temperature increase °C P(W)***				
					20	25	30	35	40
<b>BIG1656040PO</b>	1650x600x400	PO	370x310	96.00	320.1	400.1	480.2	560.2	640.2
<b>BIG1658040PO</b>	1650x800x400	PO	570x310	116.00	383.2	479.1	574.9	670.7	766.5
<b>BIG16510040PO</b>	1650x1000x400	PO	770x310	133.00	446.4	558.0	669.6	781.2	892.8
<b>BIG1806040PO</b>	1800x600x400	PO	370x310	105.00	345.8	432.3	518.8	605.2	691.7
<b>BIG1808040PO</b>	1800x800x400	PO	570x310	120.00	413.6	517.0	620.4	723.8	827.2
<b>BIG1808050PO</b>	1800x800x500	PO	570x410	127.00	461.6	577.0	692.3	807.7	923.1
<b>BIG18010040PO</b>	1800x1000x400	PO	770x310	147.00	481.4	601.7	722.0	842.4	962.7
<b>BIG18010050PO</b>	1800x1000x500	PO	770x410	151.00	532.4	665.5	798.6	931.7	1064.8
<b>BIG2006040PO</b>	2000x600x400	PO	370x310	107.00	380.2	475.2	570.2	665.3	760.3
<b>BIG2008040PO</b>	2000x800x400	PO	570x310	137.00	454.1	567.6	681.1	794.6	908.2
<b>BIG2008050PO</b>	2000x800x500	PO	570x410	146.00	506.0	632.5	759.0	885.5	1012.0
<b>BIG20010040PO</b>	2000x1000x400	PO	770x310	167.00	528.0	660.0	792.0	924.0	1056.0
<b>BIG20010050PO</b>	2000x1000x500	PO	770x410	168.00	583.0	728.8	874.5	1020.3	1166.0

### Double-door cabinets with mounting plate. Rolled steel. IP55\*\* Compact

Reference No.	Dimensions (AXBXC)	Opaque door	Cable entry WIDTH X DEPTH	Weight KG	Power dissipation according to temperature increase °C P(W)***				
					20	25	30	35	40
<b>BIG16510040POD</b>	1650x1000x400	PO	770x310	138.00	446.4	558.0	669.6	781.2	892.8
<b>BIG16512040POD</b>	1650x1200x400	PO	970x310	157.00	509.5	636.9	764.3	891.7	1019.0
<b>BIG18010040POD</b>	1800x1000x400	PO	770x310	148.00	481.4	601.7	722.0	842.4	962.7
<b>BIG18010050POD</b>	1800x1000x500	PO	770x410	157.00	532.4	665.5	798.6	931.7	1064.8
<b>BIG18012040POD</b>	1800x1200x400	PO	970x310	173.00	549.1	686.4	823.7	961.0	1098.2
<b>BIG18012050POD</b>	1800x1200x500	PO	970x410	178.00	603.2	754.1	904.9	1055.7	1206.5
<b>BIG20010040POD</b>	2000x1000x400	PO	770x310	163.00	528.0	660.0	792.0	924.0	1056.0
<b>BIG20010050POD</b>	2000x1000x500	PO	770x410	174.00	583.0	728.8	874.5	1020.3	1166.0
<b>BIG20012040POD</b>	2000x1200x400	PO	970x310	191.00	601.9	752.4	902.9	1053.4	1203.8
<b>BIG20012050POD</b>	2000x1200x500	PO	970x410	194.00	660.0	825.0	990.0	1155.0	1320.0

Single-door cabinets: IP65 / NEMA 1,12, 4.

Double-door cabinets: IP55 / NEMA 1,12.

RAL 7035 rolled steel.

Supplied with mounting plate. Cable entry lid included.

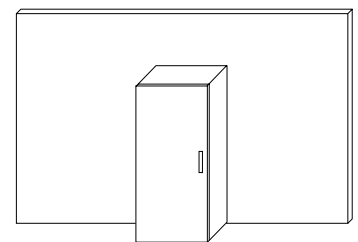
\* The 48690 insulation kit should be ordered to achieve IP65 protection.

\*\* 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 106-107](#).

SEE ACCESSORIES ON [PAGE 126](#).



### Insulation kit



Reference No. Description

**48690** IP65 Insulation kit

Needed to achieve IP65 protection in BIG-type compact cabinets.

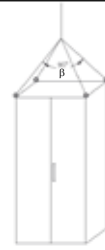


## Maximum acceptable loads

Maximum load declared according to the number of lifting eyebolts and the angle of the chain:

4 EYEBOLTS		2 EYEBOLTS	
$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$	$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$
1250 Kg	720 Kg	625 Kg	360 Kg

It is not recommended to lift the cabinet when the angle between chains is greater than  $120^\circ$ .  
The weight must be evenly distributed.



Compact single-door cabinet



Compact double-door cabinet

# ARGENTA PLUS COMPACT (BIG)

IP65 stainless steel floor-standing compact cabinets



## Product series (Stainless steel)

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### Standard:

- AISI 304L opaque door cabinets with mounting plate.
- Height: 1650 - 1800 - 2000 mm.
- Width: 600 - 800 - 1000 mm.
- Depth: 400 - 500 mm.

### Supply

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

Intended for outdoor and industrial facilities with extremely aggressive agents or saline environments

## Recommended applications

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- **AISI 304L:** Industrial environments and outdoor facilities with aggressive agents or saline environments; food, chemical and petrochemical industries, where a high degree of hygiene is required.

## Material

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

## Finish

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- Scotch 320 satin finish.



## Enclosure

- Single-piece cabinet enclosure. Manufactured in 2-mm thick sheet with sealing gasket to guarantee IP protection.
- Four profiles fitted on the corners attached to the enclosure by nut bolts affording the cabinet excellent robustness.

## Door

- 2-mm-thick opaque door with 120° reversible opening.
- Four hidden and detachable hinges made of reinforced zamak.
- Sealing gasket to guarantee the IP protection.
- Reinforcement profiles with cut-out holes with separation of 25 mm for fitting accessories.

## Lock

- Made in zamak, 4-Point 1/4 turn lock, double-bit insert with retractable handle.
- Stainless steel lock is also supplied as an accessory.



## Cable entry

- Cable entry covered by a single plate, made of stainless steel 2-mm thick, with sealing gasket.

## 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.

# ARGENTA PLUS COMPACT (BIG)

## IP65 stainless steel floor-standing compact cabinets

### Single-door cabinets with mounting plate. **Stainless steel. IP65 Compact**

Reference No.	Dimensions (AXBXC)	Opaque door	Cable entry WIDTH X DEPTH	Weight KG	Power dissipation according to temperature increase °C P(W)*				
					20	25	30	35	40
<b>BIG1656040PO/INX</b>	1650x600x400	PO	300x200	96.00	320.1	400.1	480.2	560.2	640.2
<b>BIG1658040PO/INX</b>	1650x800x400	PO	500x200	104.00	383.2	479.1	574.9	670.7	766.5
<b>BIG16510040PO/INX</b>	1650x1000x400	PO	700x200	133.00	446.4	558.0	669.6	781.2	892.8
<b>BIG1806040PO/INX</b>	1800x600x400	PO	300x200	89.00	345.8	432.3	518.8	605.2	691.7
<b>BIG1808040PO/INX</b>	1800x800x400	PO	500x200	123.00	413.6	517.0	620.4	723.8	827.2
<b>BIG1808050PO/INX</b>	1800x800x500	PO	500x300	127.00	461.6	577.0	692.3	807.7	923.1
<b>BIG18010040PO/INX</b>	1800x1000x400	PO	700x200	150.00	481.4	601.7	722.0	842.4	962.7
<b>BIG18010050PO/INX</b>	1800x1000x500	PO	700x300	151.00	532.4	665.5	798.6	931.7	1064.8
<b>BIG2006040PO/INX</b>	2000x600x400	PO	300x200	107.00	380.2	475.2	570.2	665.3	760.3
<b>BIG2008040PO/INX</b>	2000x800x400	PO	500x200	131.00	454.1	567.6	681.1	794.6	908.2
<b>BIG2008050PO/INX</b>	2000x800x500	PO	500x300	165.00	506.0	632.5	759.0	885.5	1012.0
<b>BIG20010040PO/INX</b>	2000x1000x400	PO	700x200	174.00	528.0	660.0	792.0	924.0	1056.0
<b>BIG20010050PO/INX</b>	2000x1000x500	PO	700x300	168.00	583.0	728.8	874.5	1020.3	1166.0

Single-door cabinets: IP65 / NEMA 1, 4, 4x, 12.  
AISI 304L stainless steel. Scotch 320 satin finish.

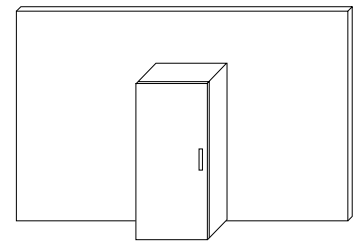
**Supplied with mounting plate. Cable entry lid included.**

For special cabinets, check availability of UL certificate.

\*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 105](#).

SEE ACCESSORIES ON [PAGE 104](#).

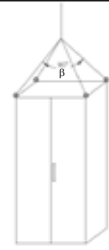


## Maximum acceptable loads

Maximum load declared according to the number of lifting eyebolts and the angle of the chain:

4 EYEBOLTS		2 EYEBOLTS	
$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$	$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$
1250 Kg	720 Kg	625 Kg	360 Kg

It is not recommended to lift the cabinet when the angle between chains is greater than  $120^\circ$ .  
The weight must be evenly distributed.



Single-door compact cabinet stainless steel



# ARGENTA PLUS COMPACT (BIG)

IP65 stainless steel floor-standing compact cabinets accessories

## Plinth



Reference	Dimensions	For cabinet	
		WIDTH	DEPTH
<b>INXZCLB6040</b>	100x600x400	600	400
<b>INXZCLB8040</b>	100x800x400	800	400
<b>INXZCLB8050</b>	100x800x500	800	500
<b>INXZCLB10040</b>	100x1000x400	1000	400
<b>INXZCLB10050</b>	100x1000x500	1000	500

**MATERIAL:** AISI 304L Stainless steel. Scotch 320 satin finish.

**CHARACTERISTICS:** Plinth supplied with both front and side covers.

## Locks with handle



Ref. 48568



Ref. 48569

Reference	Description
<b>48568</b>	Lock with handle in zamak
<b>48569</b>	Lock with handle in stainless steel

Insert not included.

<b>48574</b>	Insert lock in zamak 5 mm double bar
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## Hinges and retainer



Ref. 48575

Reference	Description
<b>48575</b>	120° standard hinges (4-pieces pack)
<b>48576</b>	Lock retainer (4-pieces pack)

## Rods for locks

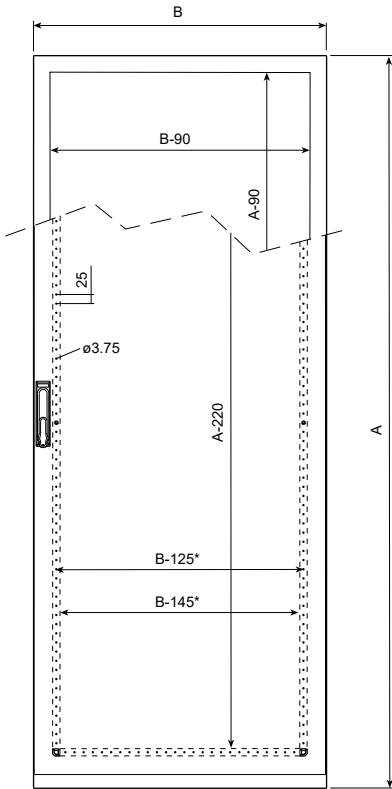


Reference	Description
<b>48560</b>	Single door rod 1650-1800 mm height
<b>48561</b>	Single door rod 2000 mm height
<b>48577</b>	Control of rods in zamak

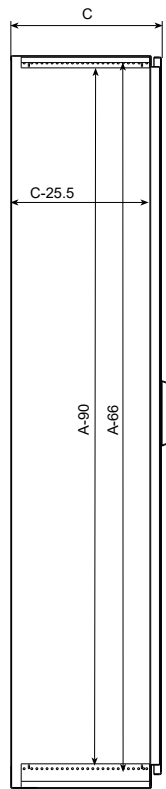
## Dimensions: Argenta Plus compact

Stainless steel

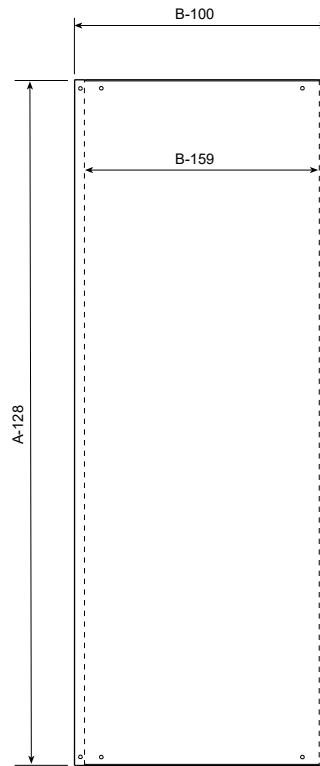
Front



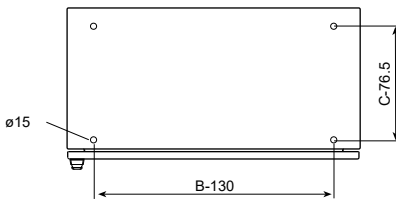
Side section



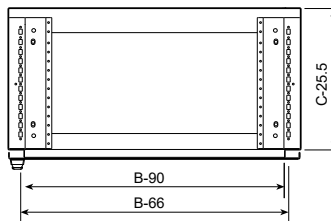
Mounting plate



Ground plan



Ground plan section



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

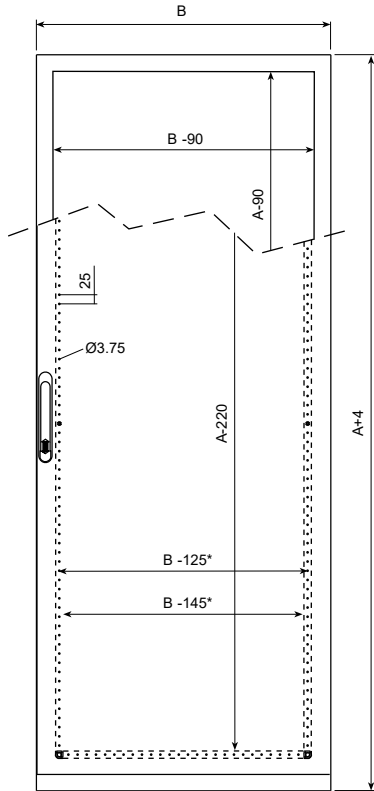
# ARGENTA PLUS COMPACT (BIG)

IP55-IP65 steel floor-standing compact cabinets

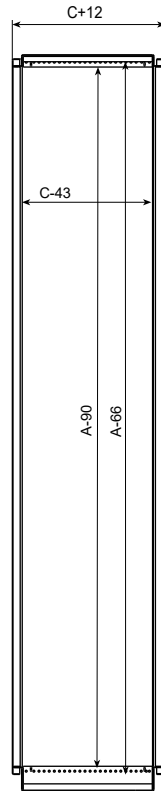
## Dimensions: Argenta Plus compact

Single door

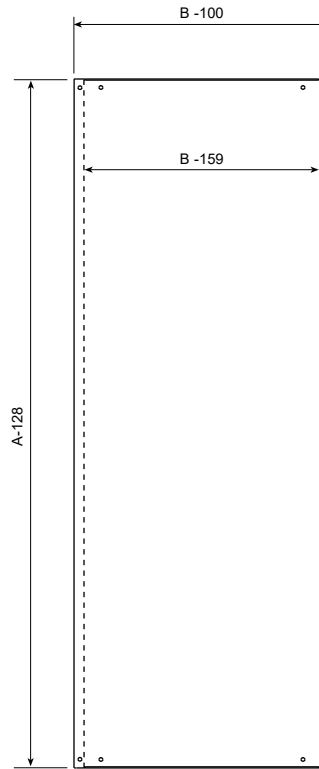
Front



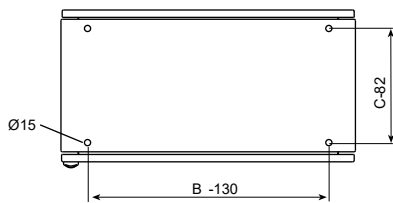
Side section



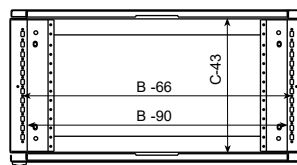
Mounting plate



Ground plan



Ground plan section



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

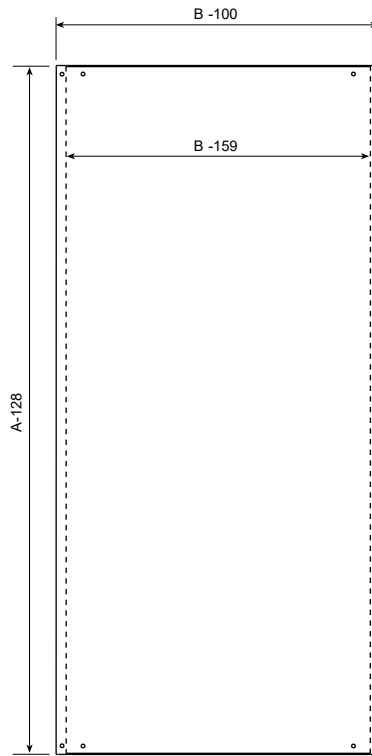
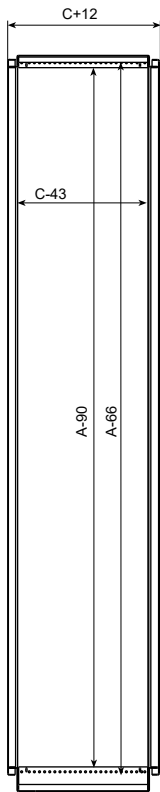
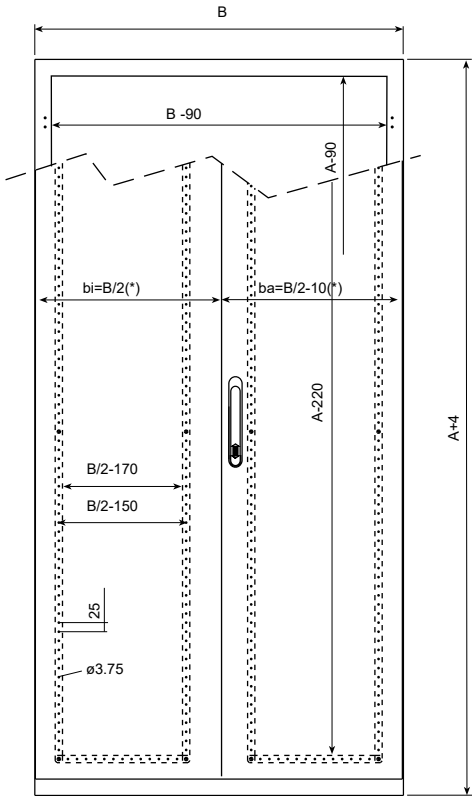
# Dimensions: Argenta Plus compact

Double door

Front

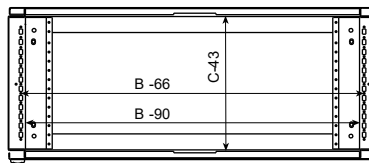
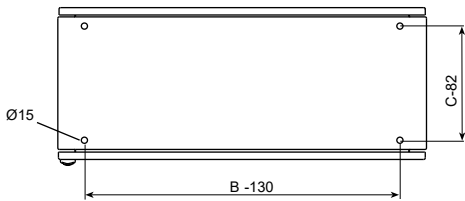
Side section

Mounting plate



Ground plan

Ground plan section



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

# ARGENTA PLUS SEMI-COMPACT (FSC)

IP55-IP65 steel floor-standing semi-compact cabinets



\* 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.

Professional solutions for projects in engineering, robotics, automation, etc.

## Material

- Cold-rolled steel EN 10130+A1.
- Injected polyurethane sealing gasket.

## Finish

- Coated with hardened RAL 7035 embossed polyester paint, with UV protection.

## Protection

- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, the effect of the corrosion must be taken into consideration.

## 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.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



## Enclosure

Single and symmetrical enclosure 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 1.2 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 the IP 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.



# ARGENTA PLUS SEMI-COMPACT (FSC)

## IP55-IP65 steel floor-standing semi-compact cabinets

### Single-door cabinets without mounting plate. Rolled steel. IP65\* semi-compact

Reference No.	Dimensions (AXBXC)	Door		Cable entry	Glass door with transp. panel		Weight		Power dissipation according to temperature increase °C P(W)**				
									OPAQUE	TRANS.	WIDTH	X DEPTH	HEIGHT
FSC1656040PO/SP	1650x600x400	PO	PT	370x310	1436x430	78.00	71.20	320.1	400.1	480.2	560.2	640.2	
FSC1658040PO/SP	1650x800x400	PO	PT	570x310	1436x630	88.00	84.00	383.2	479.1	574.9	670.7	766.5	
FSC1658050PO/SP	1650x800x500	PO	PT	570x410	1436x630	94.00	85.00	428.2	535.3	642.3	749.4	856.5	
FSC16510040PO/SP	1650x1000x400	PO	-	770x310	-	106.00	-	446.4	558.0	669.6	781.2	892.8	
FSC16510050PO/SP	1650x1000x500	PO	-	770x410	-	109.00	-	494.5	618.1	741.7	865.3	988.9	
FSC1806040PO/SP	1800x600x400	PO	PT	370x310	1586x430	84.00	75.80	345.8	432.3	518.8	605.2	691.7	
FSC1808040PO/SP	1800x800x400	PO	PT	570x310	1586x630	97.00	85.00	413.6	517.0	620.4	723.8	827.2	
FSC1808050PO/SP	1800x800x500	PO	PT	570x410	1586x630	107.00	96.00	461.6	577.0	692.3	807.7	923.1	
FSC18010040PO/SP	1800x1000x400	PO	-	770x310	-	115.00	-	481.4	601.7	722.0	842.4	962.7	
FSC18010050PO/SP	1800x1000x500	PO	-	770x410	-	118.00	-	532.4	665.5	798.6	931.7	1064.8	
FSC2006040PO/SP	2000x600x400	PO	PT	370x310	1786x430	88.00	74.00	380.2	475.2	570.2	665.3	760.3	
FSC2008040PO/SP	2000x800x400	PO	PT	570x310	1786x630	101.00	99.00	454.1	567.6	681.1	794.6	908.2	
FSC2008050PO/SP	2000x800x500	PO	PT	570x410	1786x630	108.00	103.00	506.0	632.5	759.0	885.5	1012.0	
FSC20010040PO/SP	2000x1000x400	PO	-	770x310	-	118.00	-	528.0	660.0	792.0	924.0	1056.0	
FSC20010050PO/SP	2000x1000x500	PO	-	770x410	-	135.00	-	583.0	728.8	874.5	1020.3	1166.0	

### Double-door cabinets without mounting plate. Rolled steel. IP55 semi-compact

Reference No.	Dimensions (AXBXC)	Door		Cable entry	Glass door with transp. panel		Weight		Power dissipation according to temperature increase °C P(W)**				
									OPAQUE	TRANS.	WIDTH	X DEPTH	HEIGHT
FSC16510040PO/DC	1650x1000x400	PO	PT	770x310	1436x430	108.00	103.00	446.4	558.0	669.6	781.2	892.8	
FSC16510050PO/DC	1650x1000x500	PO	PT	770x410	1436x430	147.00	108.00	494.5	618.1	741.7	865.3	988.9	
FSC16512040PO/DC	1650x1200x400	PO	PT	970x310	1436x630	119.00	166.00	509.5	636.9	764.3	891.7	1019.0	
FSC18010040PO/DC	1800x1000x400	PO	PT	770x310	1586x430	123.00	110.00	481.4	601.7	722.0	842.4	962.7	
FSC18010050PO/DC	1800x1000x500	PO	PT	770x410	1586x430	132.00	119.00	532.4	665.5	798.6	931.7	1064.8	
FSC18012040PO/DC	1800x1200x400	PO	PT	970x310	1586x630	134.00	118.70	549.1	686.4	823.7	961.0	1098.2	
FSC18012050PO/DC	1800x1200x500	PO	PT	970x410	1586x630	135.00	124.00	603.2	754.1	904.9	1055.7	1206.5	
FSC18016040PO/DC	1800x1600x400	PO	-	1370x310	-	170.00	-	684.6	855.8	1027.0	1198.1	1369.3	
FSC18016050PO/DC	1800x1600x500	PO	-	1370x410	-	177.00	-	744.9	931.2	1117.4	1303.6	1489.8	
FSC20010040PO/DC	2000x1000x400	PO	PT	770x310	1786x430	128.00	115.00	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	145.00	141.00	601.9	752.4	902.9	1053.4	1203.8	
FSC20012050PO/DC	2000x1200x500	PO	PT	970x410	1786x630	150.00	139.00	660.0	825.0	990.0	1155.0	1320.0	
FSC20016040PO/DC	2000x1600x400	PO	-	1370x310	-	184.00	-	749.8	937.2	1124.6	1312.1	1499.5	
FSC20016050PO/DC	2000x1600x500	PO	-	1370x410	-	196.00	-	814.0	1017.5	1221.0	1424.5	1628.0	

Single-door cabinets: IP65 / NEMA 1, 12, 4.

Double-door cabinets: IP55 / NEMA 1, 12.

RAL 7035 rolled steel.

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

**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.

For special cabinets, check availability of UL certificate.

\* 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 112-113.

SEE ACCESSORIES ON PAGE 126.

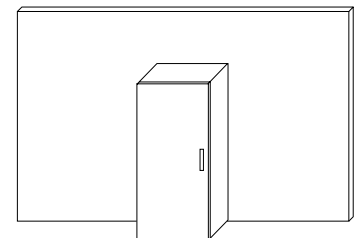
### Insulation kit



Reference No. Description

48690 IP65 Insulation kit

Needed to achieve IP65 protection in FSC-type semi-compact cabinets.



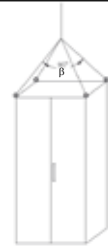


## Maximum acceptable loads

Maximum load declared according to the number of lifting eyebolts and the angle of the chain:

4 EYEBOLTS		2 EYEBOLTS	
$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$	$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$
1250 Kg	720 Kg	625 Kg	360 Kg

It is not recommended to lift the cabinet when the angle between chains is greater than  $120^\circ$ . The weight must be evenly distributed.



Semi-compact  
opaque door cabinet



Semi-compact  
opaque double door cabinet



Semi-compact  
transparent door cabinet



Semi-compact  
transparent double door cabinet



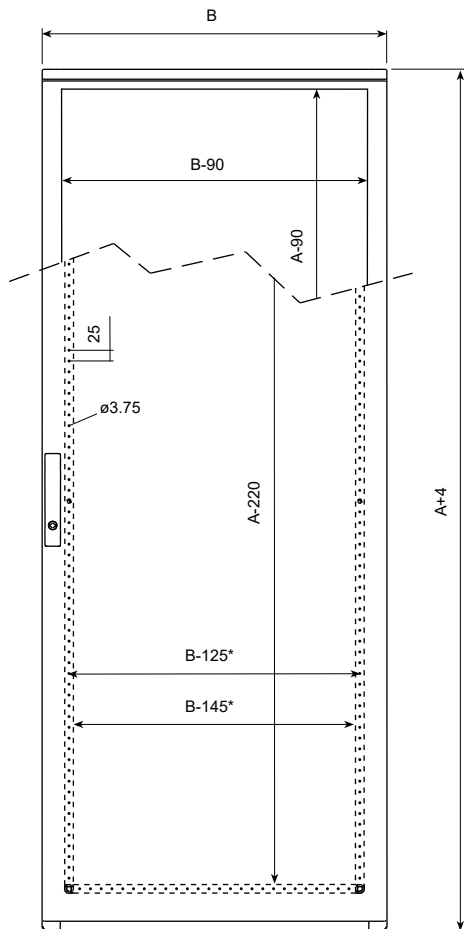
# ARGENTA PLUS SEMI-COMPACT (FSC)

IP55-IP65 steel floor-standing semi-compact cabinets

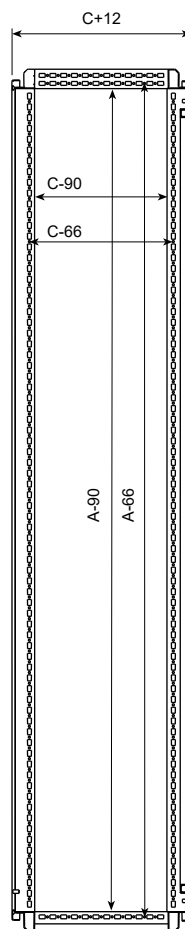
## Dimensions: Argenta Plus semi-compact

Single door

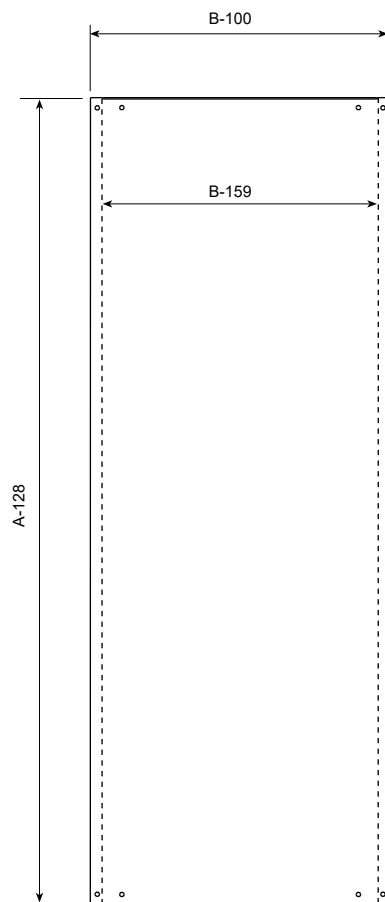
Front



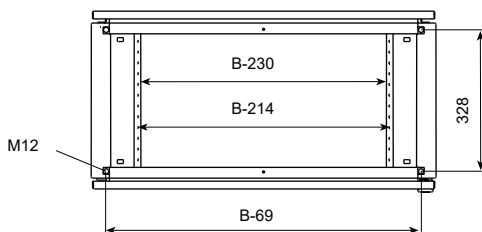
Side section



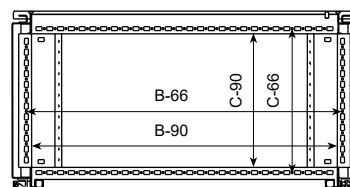
Mounting plate



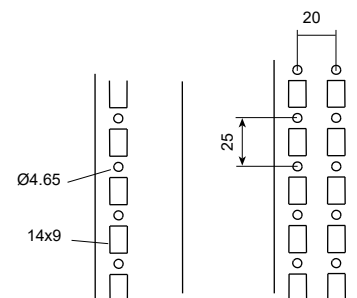
Ground plan



Ground plan section



Profile



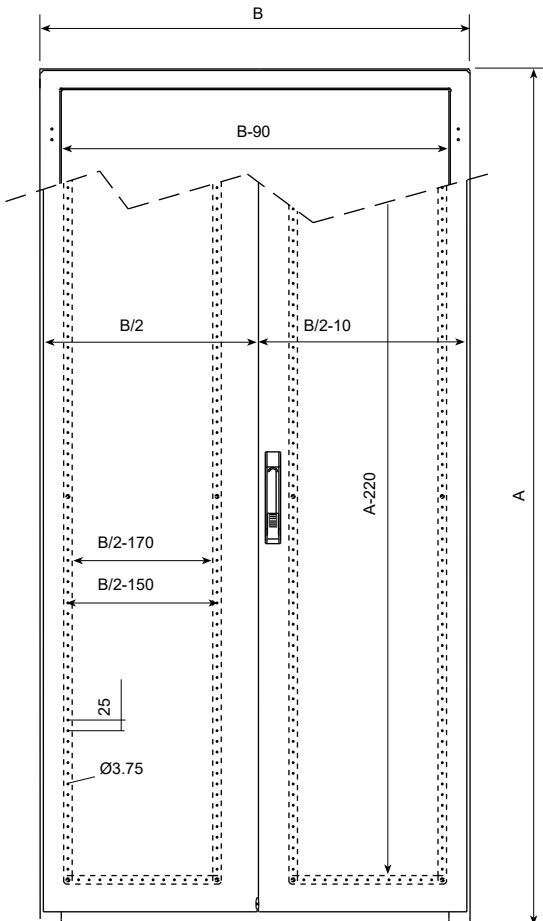
\* For B=600, change to B-150  
B-170



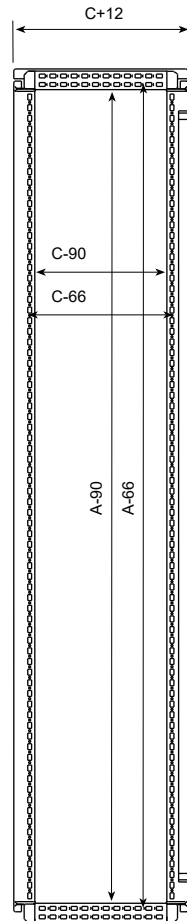
## Dimensions: Argenta Plus semi-compact

Double door

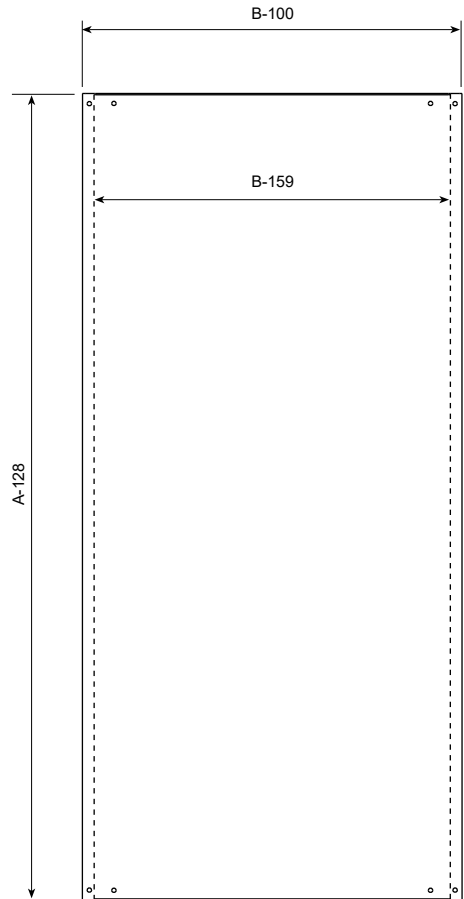
Front



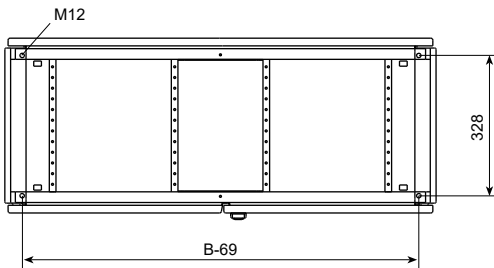
Side section



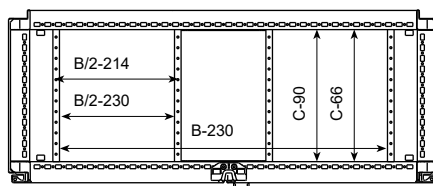
Mounting plate



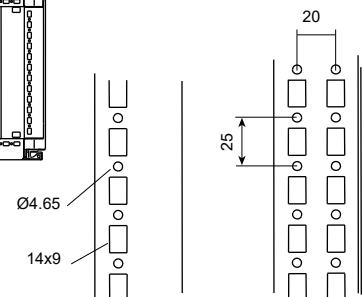
Ground plan



Ground plan section



Profile



# ARGENTA PLUS COMBINABLE (ENL)

## IP55 steel floor-standing combinable cabinets



\* Plinth supplied as accessory.

### Product series

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- 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 - 1000 mm.

### Supply

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#### Assembled

- Supplied on pallets, protected with honeycomb cardboard corner pieces and shrink-wrap film.
- The plate and the side panels (if ordered) are supplied attached to the outside of the cabinet on the same pallet.
- Including: 2 lifting eyebolts fitted, key and assembly instructions.

#### Packs

- 5 packs to optimize the handling and transport of these big size cabinets. (See references on page 118-120).

## Different joining possibilities in order to achieve large-sized structures

### Material

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- Cold-rolled steel EN 10130+A1.
- Injected polyurethane sealing gasket.

### Finish

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- Coated with hardened RAL 7035 embossed polyester paint, with UV protection.

### Protection

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- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, the effect of the corrosion must be taken into consideration.

### Standard painting cycle

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- **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.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



## Enclosure

- 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 1.2 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.



# ARGENTA PLUS COMBINABLE (ENL)

## IP55 steel floor-standing combinable cabinets

### Single-door cabinets without mounting plate. Rolled steel. IP55 Combinable. Assembled

Reference No.	Dimensions (AXBXC)	Door		Cable entry	Glass door with transparent panel		Weight		Power dissipation according to temperature increase °C P(W)*				
		OPAQUE	TRANS.		WIDTH X DEPTH	HEIGHT X WIDTH	PO	PT	20	25	30	35	40
ENL1656050PO/SP	1650x600x500	PO	PT	370x410	1436x430	70.00	62.00	362.0	452.5	543.0	633.5	724.0	
ENL1656060PO/SP	1650x600x600	PO	PT	370x510	1436x430	76.00	68.00	403.9	504.9	605.9	706.9	807.8	
ENL1658050PO/SP	1650x800x500	PO	PT	570x410	1436x630	85.00	80.00	428.2	535.3	642.3	749.4	856.5	
ENL1658060PO/SP	1650x800x600	PO	PT	570x510	1436x630	90.00	82.00	473.2	591.5	709.8	828.1	946.4	
ENL16510050PO/SP	1650x1000x500	PO	-	770x410	-	97.00	-	494.5	618.1	741.7	865.3	988.9	
ENL16510060PO/SP	1650x1000x600	PO	-	770x510	-	102.00	-	542.5	678.2	813.8	949.4	1085.0	
ENL1806040PO/SP	1800x600x400	PO	PT	370x310	1586x430	73.00	63.00	345.8	432.3	518.8	605.2	691.7	
ENL1806050PO/SP	1800x600x500	PO	PT	370x410	1586x430	79.00	69.20	390.7	488.4	586.1	683.8	781.4	
ENL1806060PO/SP	1800x600x600	PO	PT	370x510	1586x430	88.00	70.00	435.6	544.5	653.4	762.3	871.2	
ENL1808040PO/SP	1800x800x400	PO	PT	570x310	1586x630	85.00	77.00	413.6	517.0	620.4	723.8	827.2	
ENL1808050PO/SP	1800x800x500	PO	PT	570x410	1586x630	90.00	84.20	461.6	577.0	692.3	807.7	923.1	
ENL1808060PO/SP	1800x800x600	PO	PT	570x510	1586x630	94.00	84.00	509.5	636.9	764.3	891.7	1019.0	
ENL18010040PO/SP	1800x1000x400	PO	-	770x310	-	104.00	-	481.4	601.7	722.0	842.4	962.7	
ENL18010050PO/SP	1800x1000x500	PO	-	770x410	-	107.00	-	532.4	665.5	798.6	931.7	1064.8	
ENL18010060PO/SP	1800x1000x600	PO	-	770x510	-	174.00	-	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	80.00	73.00	429.0	536.3	643.5	750.8	858.0	
ENL2006060PO/SP	2000x600x600	PO	PT	370x510	1786x430	79.00	74.00	477.8	597.3	716.8	836.2	955.7	
ENL2006080PO/SP	2000x600x800	PO	PT	370x710	1786x430	86.00	79.00	575.5	719.4	863.3	1007.2	1151.0	
ENL20060100PO/SP	2000x600x1000	PO	PT	370x910	1786x430	112.00	83.00	673.2	841.5	1009.8	1178.1	1346.4	
ENL2008040PO/SP	2000x800x400	PO	PT	570x310	1786x630	96.00	87.71	454.1	567.6	681.1	794.6	908.2	
ENL2008050PO/SP	2000x800x500	PO	PT	570x410	1786x630	115.00	90.00	506.0	632.5	759.0	885.5	1012.0	
ENL2008060PO/SP	2000x800x600	PO	PT	570x510	1786x630	98.00	86.00	557.9	697.4	836.9	976.4	1115.8	
ENL2008080PO/SP	2000x800x800	PO	PT	570x710	1786x630	105.00	91.00	661.8	827.2	992.6	1158.1	1323.5	
ENL20080100PO/SP	2000x800x1000	PO	PT	570x910	1786x630	108.00	145.00	765.6	957.0	1148.4	1339.8	1531.2	
ENL20010040PO/SP	2000x1000x400	PO	-	770x310	-	113.00	-	528.0	660.0	792.0	924.0	1056.0	
ENL20010050PO/SP	2000x1000x500	PO	-	770x410	-	118.00	-	583.0	728.8	874.5	1020.3	1166.0	
ENL20010060PO/SP	2000x1000x600	PO	-	770x510	-	126.00	-	638.0	797.5	957.0	1116.5	1276.0	
ENL20010080PO/SP	2000x1000x800	PO	-	770x710	-	124.00	-	748.0	935.0	1122.0	1309.0	1496.0	
ENL2206060PO/SP	2200x600x600	PO	-	370x510	-	88.00	-	520.1	650.1	780.1	910.1	1040.2	
ENL22060100PO/SP	2200x600x1000	PO	PT	370x910	1986x430	151.00	151.00	731.3	914.1	1096.9	1279.7	1462.6	
ENL2208060PO/SP	2200x800x600	PO	PT	570x510	1986x630	106.00	105.00	606.3	757.9	909.5	1061.1	1212.6	
ENL2208080PO/SP	2200x800x800	PO	PT	570x710	1986x630	110.00	94.00	718.1	897.6	1077.1	1256.6	1436.2	
ENL22080100PO/SP	2200x800x1000	PO	PT	570x910	1986x630	157.00	157.00	829.8	1037.3	1244.8	1452.2	1659.7	

IP55 / NEMA 1, 12.

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: ENL1801004PT/SP.

SEE DIMENSIONS ON PAGE 122.

SEE ACCESSORIES ON PAGE 126.

### Side panels



Reference 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
PLA200100	2000	1000	1.5
PLA22060	2200	600	1.5
PLA22080	2200	800	1.5
PLA220100	2200	1000	1.5

**MATERIAL:** 1.5-mm thickness sheet.

**SUPPLY:** 2-panels pack.



## Double-door cabinets without mounting plate. Rolled steel. IP55 Combinable. Assembled

Reference No.	Dimensions (AXBXC)	Door		Cable entry	Glass door with transparent panel		Weight		Power dissipation according to temperature increase °C P(W)*				
		OPAQUE	TRANS.		WIDTH X DEPTH	HEIGHT X WIDTH	PO	PT	20	25	30	35	40
ENL16510050PO/DC	1650x1000x500	PO	PT	770x410	1436x420	106.00	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	121.00	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	114.00	88.50	481.4	601.7	722.0	842.4	962.7	
ENL18010050PO/DC	1800x1000x500	PO	PT	770x410	1586x420	107.00	100.40	532.4	665.5	798.6	931.7	1064.8	
ENL18010060PO/DC	1800x1000x600	PO	PT	770x510	1586x420	120.00	103.30	583.4	729.3	875.2	1021.0	1166.9	
ENL18012040PO/DC	1800x1200x400	PO	PT	970x310	1586x620	123.00	118.70	549.1	686.4	823.7	961.0	1098.2	
ENL18012050PO/DC	1800x1200x500	PO	PT	970x410	1586x620	135.00	122.10	603.2	754.1	904.9	1055.7	1206.5	
ENL18012060PO/DC	1800x1200x600	PO	PT	970x510	1586x620	136.00	125.50	657.4	821.7	986.0	1150.4	1314.7	
ENL18016040PO/DC	1800x1600x400	PO	-	1370x310	-	162.00	-	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	113.00	105.00	528.0	660.0	792.0	924.0	1056.0	
ENL20010050PO/DC	2000x1000x500	PO	PT	770x410	1786x420	118.00	107.90	583.0	728.8	874.5	1020.3	1166.0	
ENL20010060PO/DC	2000x1000x600	PO	PT	770x510	1786x420	127.00	110.80	638.0	797.5	957.0	1116.5	1276.0	
ENL20010080PO/DC	2000x1000x800	PO	PT	770x710	1786x420	132.00	116.50	748.0	935.0	1122.0	1309.0	1496.0	
ENL20012040PO/DC	2000x1200x400	PO	PT	970x310	1786x620	131.00	127.60	601.9	752.4	902.9	1053.4	1203.8	
ENL20012050PO/DC	2000x1200x500	PO	PT	970x410	1786x620	132.00	125.00	660.0	825.0	990.0	1155.0	1320.0	
ENL20012060PO/DC	2000x1200x600	PO	PT	970x510	1786x620	143.00	136.00	718.1	897.6	1077.1	1256.6	1436.2	
ENL20012080PO/DC	2000x1200x800	PO	PT	970x710	1786x620	149.00	140.00	834.2	1042.8	1251.4	1459.9	1668.5	
ENL20016040PO/DC	2000x1600x400	PO	-	1370x310	-	168.00	-	749.8	937.2	1124.6	1312.1	1499.5	
ENL20016050PO/DC	2000x1600x500	PO	-	1370x410	-	178.00	-	814.0	1017.5	1221.0	1424.5	1628.0	
ENL20016060PO/DC	2000x1600x600	PO	-	1370x510	-	180.00	-	879.2	1097.8	1317.4	1536.9	1756.5	
ENL20016080PO/DC	2000x1600x800	PO	-	1370x510	-	197.00	-	1006.7	1258.4	1510.1	1761.8	2013.4	

IP55 / NEMA 1,12.

RAL 7035 rolled steel.

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

**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.

For special cabinets, check availability of UL certificate.

\* 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 123](#).

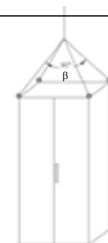
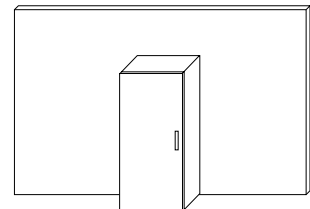
SEE ACCESSORIES ON [PAGE 126](#).

### Maximum acceptable load

Maximum load declared according to the number of lifting eyebolts and the angle of the chain:

4 EYEBOLTS		2 EYEBOLTS	
$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$	$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$
1250 Kg	720 Kg	625 Kg	360 Kg

It is not recommended to lift the cabinet when the angle between chains is greater than 120°. The weight must be evenly distributed.



Plinth not included in the set.



Opaque door combinable cabinet



Transparent door combinable cabinet



Opaque double door combinable cabinet



Transp. double door combinable cabinet

# ARGENTA PLUS COMBINABLE (ENL)

## IP55 steel floor-standing combinable cabinets

### PACK 1: Vertical uprights. IP55 **Combinable**. Packs



Reference No.	For cabinet	Pack
<b>HEIGHT</b>		
<b>PV1650</b>	1650	4 Units
<b>PV1800</b>	1800	4 Units
<b>PV2000</b>	2000	4 Units
<b>PV2200</b>	2200	4 Units

**MATERIAL:** Tubular structure, giving the product a great robustness.

**CHARACTERISTICS:** Pack of 4 vertical profiles. The inner sides have rectangular and round cut-outs to fix accessories. The outer sides are flat with cut-outs to fix doors and panels. Fully reversibles.

### PACK 2: Bottom frame and top frame (with roof). IP55 **Combinable**. Packs



Reference No.	For cabinet	
	WIDTH	DEPTH
<b>PSI3040</b>	300	400
<b>PSI3050</b>	300	500
<b>PSI3060</b>	300	600
<b>PSI3080</b>	300	800
<b>PSI4040</b>	400	400
<b>PSI4050</b>	400	500
<b>PSI4060</b>	400	600
<b>PSI4080</b>	400	800
<b>PSI6040</b>	600	400
<b>PSI6050</b>	600	500
<b>PSI6060</b>	600	600
<b>PSI6080</b>	600	800
<b>PSI60100</b>	600	1000
<b>PSI8040</b>	800	400
<b>PSI8050</b>	800	500
<b>PSI8060</b>	800	600
<b>PSI8080</b>	800	800
<b>PSI80100</b>	800	1000
<b>PSI10040</b>	1000	400
<b>PSI10050</b>	1000	500
<b>PSI10060</b>	1000	600
<b>PSI10080</b>	1000	800
<b>PSI12040</b>	1200	400
<b>PSI12050</b>	1200	500
<b>PSI12060</b>	1200	600
<b>PSI12080</b>	1200	800
<b>PSI16040</b>	1600	400
<b>PSI16050</b>	1600	500

**MATERIAL:** Top and bottom lid made in RAL 7035 painted sheet steel, with a thickness of 1.5 mm. With sealing gasket to guarantee the IP protection. Cable entry lid made in 2-mm thick galvanised steel.

**CHARACTERISTICS:** It includes upper and lower frames. Top and bottom lid. Cable entry lid. Bag with all the screws and assembly elements. Assembly instructions.



### PACK 3: Rear panel. IP55 **Combinable.** Packs



Reference No.	For cabinet		Pack
	HEIGHT	WIDTH	
PAT16560	1650	600	1 Unit
PAT16580	1650	800	1 Unit
PAT165100	1650	1000	1 Unit
PAT165120	1650	1200	1 Unit
PAT18030	1800	300	1 Unit
PAT18040	1800	400	1 Unit
PAT18060	1800	600	1 Unit
PAT18080	1800	800	1 Unit
PAT180100	1800	1000	1 Unit
PAT180120	1800	1200	1 Unit
PAT180160	1800	1600	1 Unit
PAT20030	2000	300	1 Unit
PAT20040	2000	400	1 Unit
PAT20060	2000	600	1 Unit
PAT20080	2000	800	1 Unit
PAT200100	2000	1000	1 Unit
PAT200120	2000	1200	1 Unit
PAT200160	2000	1600	1 Unit
PAT22030	2200	300	1 Unit
PAT22040	2200	400	1 Unit
PAT22060	2200	600	1 Unit
PAT22080	2200	800	1 Unit

**MATERIAL:** Made in 1.5-mm thick cold-rolled steel sheet, RAL 7035 paint, with sealing gasket to guarantee IP protection.

**CHARACTERISTICS:** It includes rear panel with supports, M6 countersunk screws and washers for attachment.

### PACK 4: Side panels. IP55 **Combinable.** Packs



Reference No.	For cabinet		Pack
	HEIGHT	DEPTH	
PLA16550	1650	500	2 Units
PLA16560	1650	600	2 Units
PLA18040	1800	400	2 Units
PLA18050	1800	500	2 Units
PLA18060	1800	600	2 Units
PLA20040	2000	400	2 Units
PLA20050	2000	500	2 Units
PLA20060	2000	600	2 Units
PLA20080	2000	800	2 Units
PLA200100	2000	1000	2 Units
PLA22060	2200	600	2 Units
PLA22080	2200	800	2 Units
PLA220100	2200	1000	2 Units

**MATERIAL:** Made in 1.5-mm thick cold-rolled steel sheet, RAL 7035 paint, with sealing gasket to guarantee IP protection.

**CHARACTERISTICS:** 2-panel pack. It includes M6 countersunk fixing.



# ARGENTA PLUS COMBINABLE (ENL)

## IP55 steel floor-standing combinable cabinets

### PACK 5: Doors. IP55 **Combinable**. Packs

#### Single opaque doors



Reference No.	For cabinet	
	HEIGHT	WIDTH
PO16560	1650	600
PO16580	1650	800
PO165100	1650	1000
PO18030	1800	300
PO18040	1800	400
PO18060	1800	600
PO18080	1800	800
PO180100	1800	1000
PO20030	2000	300
PO20040	2000	400
PO20060	2000	600
PO20080	2000	800
PO200100	2000	1000
PO22030	2200	300
PO22040	2200	400
PO22060	2200	600
PO22080	2200	800

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

**CHARACTERISTICS:** It includes door, reinforcement profiles, lock elements, hinges and door retainers. They feature a 4-point lock, double-bit insert with retractable handle in RAL 7016 grey. Doors with 120° opening, reversible. Check availability for transparent doors.

#### Double opaque symmetrical doors

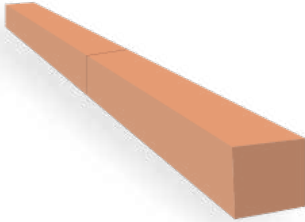


Reference No.	For cabinet	
	HEIGHT	WIDTH
PODCS165100	1650	1000
PODCS165120	1650	1200
PODCS180100	1800	1000
PODCS180120	1800	1200
PODCS180160	1800	1600
PODCS200100	2000	1000
PODCS200120	2000	1200
PODCS200160	2000	1600

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

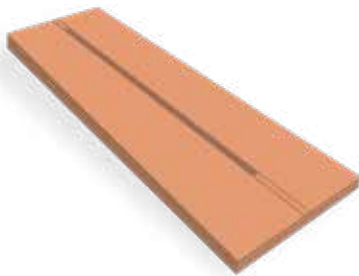
**CHARACTERISTICS:** Two doors per reference are supplied, lock elements, hinges and door retainers. They include double lock; Interior: 2-point ¼ turn. Exterior: 4-point double-bit insert with retractable handle in RAL 7016 grey. Doors with 120° opening, reversible. Check availability for symmetrical and assymetrical transparent double doors.

## Supply



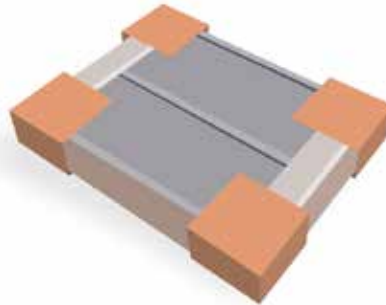
### PACK 1: VERTICAL UPRIGHTS

The four profiles are supplied in pack and protected by cardboard.



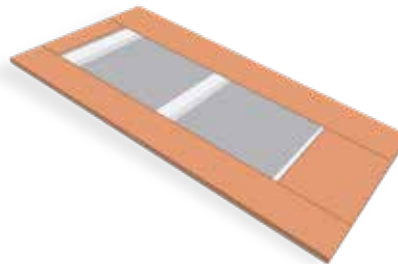
### PACK 4: SIDE PANELS

Packed and protected by a cardboard pad. Between the panels and the cardboard pad, EPS HD strips are placed to avoid deformations, at the top, at the bottom and onto the rear side along the panels. The whole set is film shrink-wrapped.



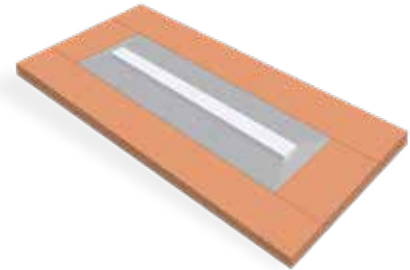
### PACK 2: BOTTOM AND TOP FRAMES

Lids are screwed in the bottom frame. Top and bottom lids are protected by a cardboard pad. The corners are protected by cardboard corner pieces. The whole set is film shrink-wrapped.



### PACK 5: DOORS

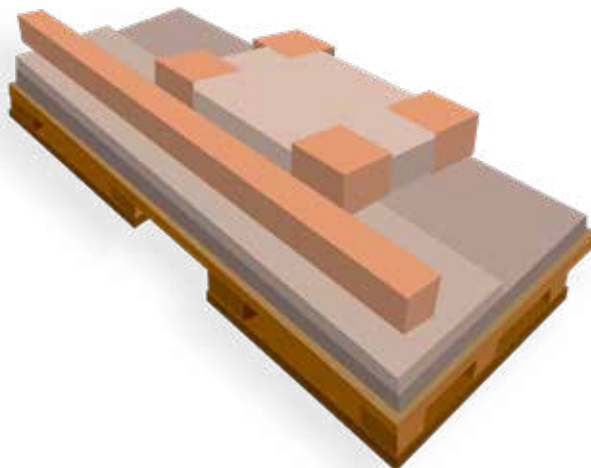
**SINGLE DOOR:** Packed and protected by a cardboard pad. Between the door and the cardboard pad, EPS HD strips are placed to avoid deformations, at the top, at the bottom and onto the rear side along the door. The whole set is film shrink-wrapped.



### PACK 3: REAR PANEL

Packed and protected by a cardboard pad. Between the panel and the cardboard pad, EPS HD strips are placed to avoid deformations, at the top, at the bottom and onto the rear side along the panel. The whole set is film shrink-wrapped.

**DOUBLE DOOR:** Packed and protected by a cardboard pad. Both doors are packed together, above one another, separated by EPS HD strips. Between the doors and the cardboard pad, EPS HD strips are placed to avoid deformations, at the top, at the bottom and onto the rear side along the door. The whole set is film shrink-wrapped.



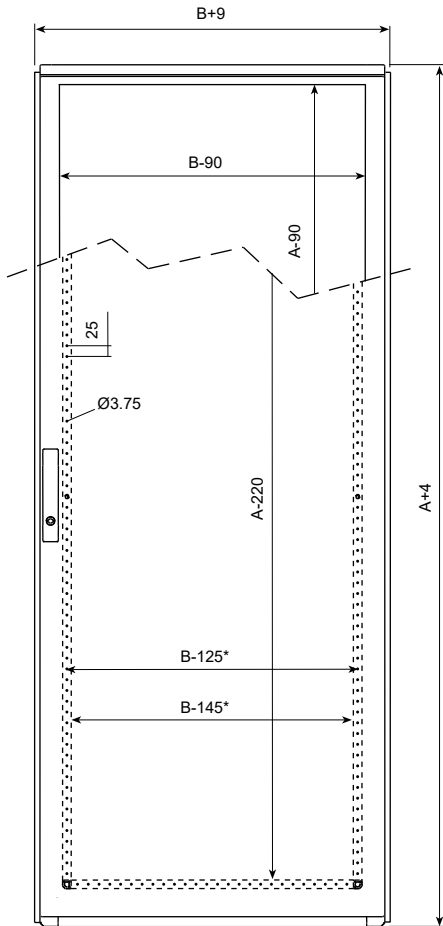
# ARGENTA PLUS COMBINABLE (ENL)

IP55 steel floor-standing combinable cabinets

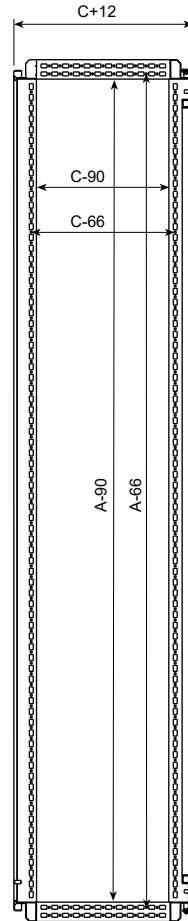
## Dimensions: Argenta Plus Combinable

Single door

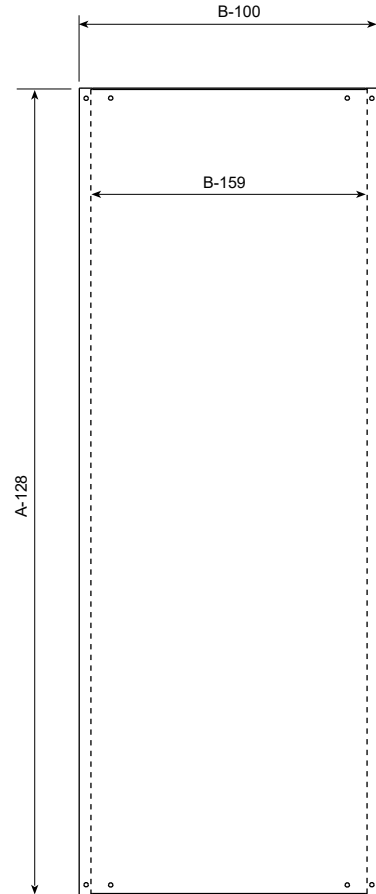
Front



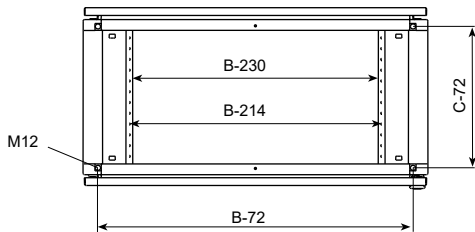
Side section



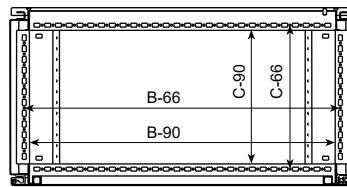
Mounting plate



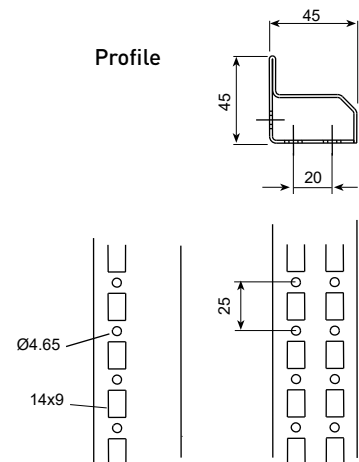
Ground plan



Ground plan section



Profile



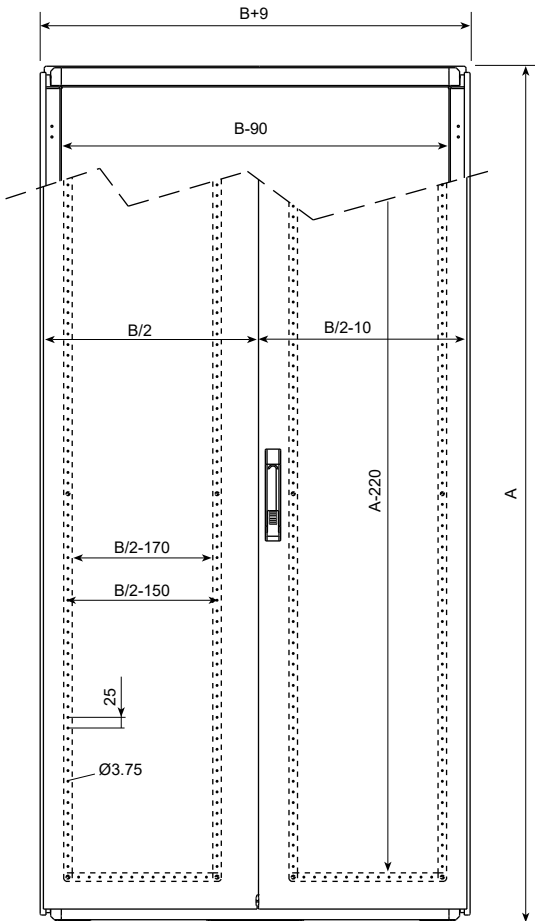
\* For B=600, change to B-150  
B-170



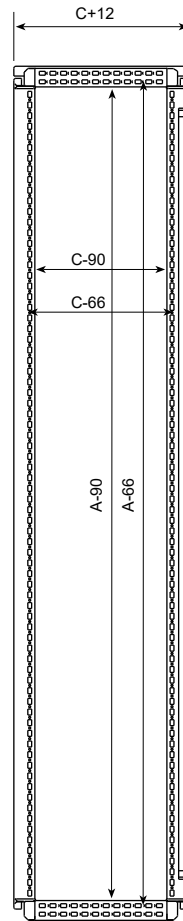
## Dimensions: Argenta Plus Combinable

Double door

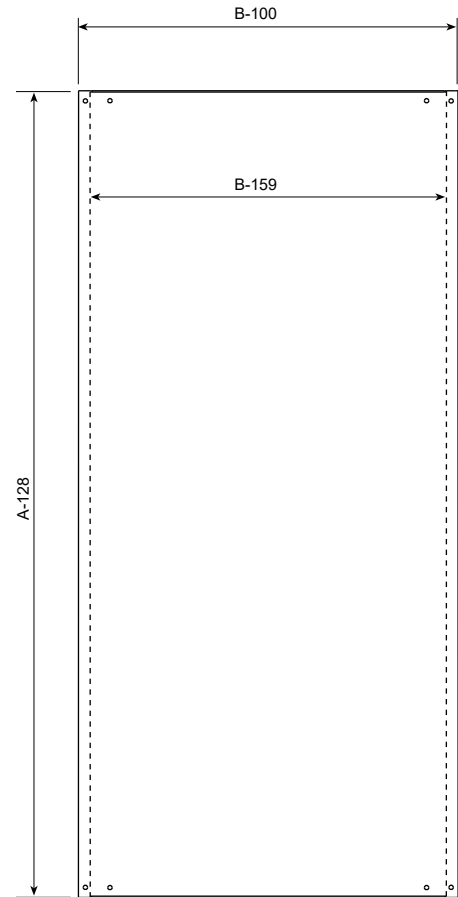
Front



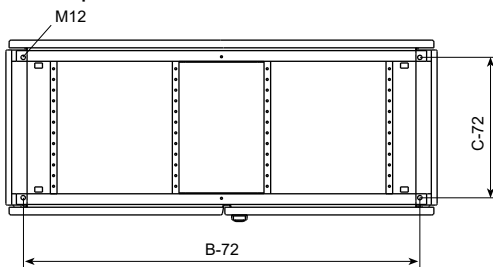
Side section



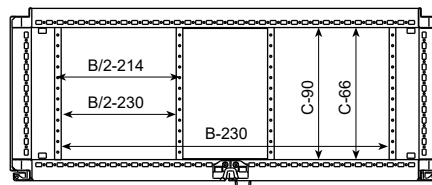
Mounting plate



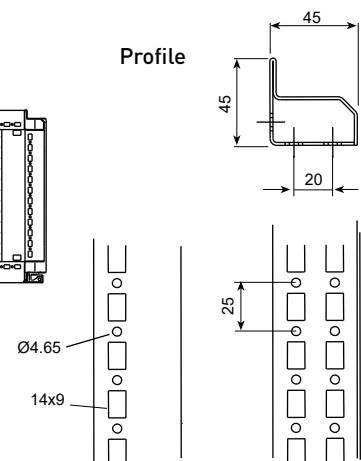
Ground plan



Ground plan section



Profile



# ARGENTA PLUS

## IP55 PC Control cabinet

### IP55 PC control cabinet



Reference No.	Dimensions	Cable entry
	<b>HEIGHT X WIDTH X DEPTH</b>	<b>WIDTH X DEPTH</b>
<b>TRANS. DISPLAY DOOR</b>		
<b>ENLPC1656060</b>	1650x600x600	370x510
<b>ENLPC1656080</b>	1650x600x800	370x710
<b>OPAQUE DISPLAY DOOR</b>		
<b>ENLPC1656060/PMO</b>	1650x600x600	370x510

**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 up to 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.

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

### Fixed trays for PC control cabinets



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

**MATERIAL:** Galvanised steel.

**CHARACTERISTICS:** Trays that are secured to the bottom of the PC control cabinet for holding CPU, printers, etc. Max. Load: 100 kg.

For assembly, a set of PME profiles with the same depth as the cabinet is needed (see page 144).

They are supplied with all the screws required for installation.

### 19" rack type assembly profiles for PC control cabinets



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

**MATERIAL:** Galvanised steel.

**CHARACTERISTICS:** For assembly, 2 sets of PME or PMI profiles with the same depth as the cabinet are needed (see page 144-145).

### Locks for PC control cabinets



Ref. 48526

Ref. 48527

Ref. 48528

Reference No.	Description
<b>48526</b>	2.5 slotted 1/4 turn lock (2-piece pack)
<b>48527</b>	1/4 turn lock with wing nut without key (2-piece pack)
<b>48528</b>	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)	
<b>SV4100</b>	1x6 DIN rail	1.15	4	Schuko-type sockets	54	2P+E	16	230	

**FINISH:** RAL 7035 grey with transparent window.

**DIMENSIONS:** 436x142x137 mm.

**TYPE:** 65TC06 - IP54.

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



# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Mounting plates



Reference No.	Dimensions	For cabinet	
TOTAL PLAIN	HEIGHT X WIDTH	HEIGHT	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
PL22060	2072x500	2200	600
PL22080	2072x700	2200	800

#### Assembly supports must be ordered to install the plates

**48471** Total plate assembly supports (4-piece pack)

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

**CHARACTERISTICS:** Reinforced with C-shaped folds. Depth-adjustable. 12.5 mm adjustment. The PLC-type linking plates can be assembled in units consisting of two or more cabinets (see page 127).

Maximum load on plate: 600 kg.

**FOR THE FOLLOWING CABINETS:** FSC - ENL - BIG.



Reference No.	Dimensions	Sheet thickness	For cabinet
PARTIAL PLAIN	HEIGHT X WIDTH		WIDTH
PLP2040	200x225	2	400
PLP2060	200x425	2	600
PLP2080	200x625	2	800
PLP20100	200x825	2	1000
PLP20120	200x1025	3	1200
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

#### Assembly supports must be ordered to install the plates

**48472** Partial plate assembly supports (4-piece pack)

**MATERIAL:** Galvanised sheet steel.

**CHARACTERISTICS:** Reinforced with C-shaped folds. Attachment to the structure's vertical profiles.

**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

**Assembly supports must be ordered to install the plates**

**48474** Linking plate assembly supports (2-piece pack)

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

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

**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
PLS22080	2072x695		2200	800

**All the accessories necessary for assembly are included.**

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

**CHARACTERISTICS:** For separating or dividing combined cabinets.  
Reinforced with C-shaped folds.

**FOR THE FOLLOWING CABINETS:** ENL.



# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Slide way

Reference No.	Description
48500	Plate combination pack



Reference No.	For cabinet
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 cabinet 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+1PLxxx80	4000




## Accessory packs for plates

		Reference No.	Description
	Ref. 48471	<b>48471</b>	Total plate assembly supports (4-piece pack)
	Ref. 48473	<b>48473</b>	Total plate central support (2-piece pack)
	Ref. 48472	<b>48472</b>	Partial plate assembly supports (4-piece pack)
	Ref. 48419	<b>48419</b>	Separation plate assembly supports (4-piece pack)
		<b>48474</b>	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
	Ref. 48111	<b>48111</b>	Internal connection of combinable cabinets (6-piece pack)
	Ref. 48112	<b>48112</b>	Corner connection of combinable cabinets (4-piece pack)
		<b>48116</b>	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
	Ref. 48114	<b>48114</b>	Combinable cabinet connection and lifting brackets (2-piece pack)
	Ref. 48115	<b>48115</b>	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
		<b>48113</b>	Wall-mounting brackets (2-piece pack)

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

# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Insulation joints



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

#### TRIM JOINT

<b>48478</b>	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.



Ref. 48479



Ref. 48480



Ref. 48636

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

#### CABINET CONNECTION JOINTS

<b>48479</b>	Insulation joint (6 m)
--------------	------------------------

<b>48480</b>	Adhesive insulation joint (6 m)
--------------	---------------------------------

<b>48636</b>	Insulation joint (2 m) + Adhesive joint (4.5 m)
--------------	---

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

**CHARACTERISTICS:** IP55 protection guaranteed.

Reference 48636 is used to join cabinets at the side (lateral connections).

Reference 48479 is used to join cabinets at the back (rear connections).

Reference 48480 is used to join cabinets and the busbar chamber.

**FOR THE FOLLOWING CABINETS:** ENL.

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

#### BRUSHES FOR CABLE ENTRY

<b>48481</b>	Brushes for cable entry (2 m)
--------------	-------------------------------

**MATERIAL:** Thermoplastic rubber enclosure; Polyamide 6 fibres.

**CHARACTERISTICS:** Brushes placed in the cable entries.

Enclosure length 2 m, fibre height 35 mm.

**FOR THE FOLLOWING CABINETS:** FSC - ENL - BIG.



## Earthquake kit for equipping baying system



Reference No.	Description
	<b>FOR CABINET</b>
<b>KRS2006040</b>	ENL2006040
<b>KRS2006060</b>	ENL2006060
<b>KRS2008060</b>	ENL2008060
<b>KRS2008080</b>	ENL2008080

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

**CHARACTERISTICS:** Comprises the following components:

8 brackets joined to the vertical profiles and upper and lower frames.

20x20x1.5 square cross-section bars fitted diagonally to the sides and back of the cabinet.

The side bars will be joined to the upper and lower brackets and to a middle bracket. The bars at the back of the cabinet will be joined to a horizontal profile.

**FOR THE FOLLOWING CABINETS:** ENL.

## Earthquake kit for plates



Reference No.	For plate
	<b>HEIGHT X WIDTH</b>
<b>KRSPL20060</b>	2000x600
<b>KRSPL20080</b>	2000x800

**MATERIAL:** Reinforcement profile in 2-mm thick galvanised steel plate.

3 mm thick support in galvanised steel plate.

**CHARACTERISTICS:** Reinforcement profiles screwed to the ends of the plate to prevent deformations from bending movements.

Middle support joined to the outer profile to prevent deformations from movements.

## Earthquake plinth



Reference No.	For cabinet
	<b>WIDTH X DEPTH</b>
<b>KRSZCL106040</b>	600x400
<b>KRSZCL106060</b>	600x600
<b>KRSZCL108060</b>	800x600
<b>KRSZCL108080</b>	800x800

**MATERIAL:** Rolled steel sheet.

**CHARACTERISTICS:** Special seismic plinth comprising front, back, sides and inner reinforcements welded to form a single unit.

**FOR THE FOLLOWING CABINETS:** ENL.

# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Trim frame



Reference No.	Usable space	For cabinet	
		HEIGHT	WIDTH
MEB16560	1650x600	1650	600
MEB16580	1650x800	1650	800
MEB18060	1800x600	1800	600
MEB18080	1800x800	1800	800
MEB20060	2000x600	2000	600
MEB20080	2000x800	2000	800
MEB22060	2200x600	2200	600
MEB22080	2200x800	2200	800

**MATERIAL:** RAL 7035 rolled steel.

**CHARACTERISTICS:** Frame to improve visual appearance that can only be fitted to doorless cabinets. Includes two vertical profiles, two horizontal profiles and a bag of screws. It is not suitable with modular frame.

**FOR THE FOLLOWING CABINETS:** FSC - ENL (without door).

### Modular frame (without partition)



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	2x600	1650	1200	
BTM18060	1600	600	1800	600	
BTM18080	1600	800	1800	800	
BTM180100	1600	1000	1800	1000	
BTM180120	1600	2x600	1800	1200	
BTM180160	1600	2x800	1800	1600	
BTM20060	1800	600	2000	600	
BTM20080	1800	800	2000	800	
BTM200100	1800	1000	2000	1000	
BTM200120	1800	2x600	2000	1200	
BTM200160	1800	2x800	2000	1600	
BTM22060	2000	600	2200	600	
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 134-135).

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

**FOR THE FOLLOWING CABINETS:** FSC - ENL.

## Modular frame (with partition door)



Reference No.	Usable space		Lid		For cabinet	
	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH
<b>BTM165100/P400</b>	1450	600	1650	1000		
<b>BTM165120/P400</b>	1450	800	1650	1200		
<b>BTM180100/P400</b>	1600	600	1800	1000		
<b>BTM180120/P400</b>	1600	800	1800	1200		
<b>BTM200100/P400</b>	1800	600	2000	1000		
<b>BTM200120/P400</b>	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 134-135).

**FOR THE FOLLOWING CABINETS:** FSC - ENL.

## Modular frame (with partition column)



Reference No.	Usable space		Lid		For cabinet	
	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH
<b>BTM18080/E200</b>	1600	600	1800	800		
<b>BTM180100/E200</b>	1600	800	1800	1000		
<b>BTM20080/E200</b>	1800	600	2000	800		
<b>BTM200100/E200</b>	1800	800	2000	1000		
<b>BTM22080/E200</b>	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 134-135).

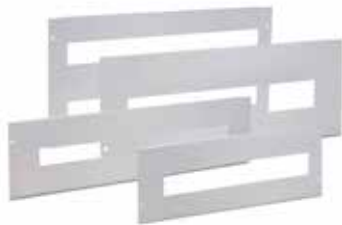
**FOR THE FOLLOWING CABINETS:** FSC - ENL.



# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Lids for modular frame



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



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

Upon request, custom machined lids for different types of MCCB or control and measurement elements. Request more information at [export@ide.es](mailto:export@ide.es)

**NEW**



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

## Lids for modular frame



Reference No.	Dimensions		For cabinet	No. of modules
	HEIGHT	WIDTH	WIDTH	
<b>BLIND HINGED</b>				
<b>TCA1560</b>	150	500	600	-
<b>TCA1580</b>	150	700	800	-
<b>TCA2060</b>	200	500	600	-
<b>TCA2080</b>	200	700	800	-
<b>TCA20100</b>	200	900	1000	-
<b>TCA3060</b>	300	500	600	-
<b>TCA3080</b>	300	700	800	-
<b>TCA4060</b>	400	500	600	-
<b>TCA4080</b>	400	700	800	-
<b>TCA6060</b>	600	500	600	-
<b>TCA6080</b>	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	
<b>48154</b>	Attachment kit + 600 mm DIN rail	600	23	24	
<b>48156</b>	Attachment kit + 800 mm DIN rail	800	33	34	
<b>48158</b>	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 264).

**FOR THE FOLLOWING CABINETS:** FSC - ENL.

## Vertical trunking support kit



Reference No.	Description	For cabinet		No. modules
		WIDTH		
<b>49366</b>	Vertical trunking support + 600 mm DIN rail	600		18
<b>49367</b>	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
<b>49368</b>	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.



# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Corner module



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



## Auxiliary module



Reference No.	Dimensions	For cabinet	
<b>WIDTH 300 MM.</b>			
	<b>HEIGHT X WIDTH X DEPTH</b>	<b>HEIGHT</b>	<b>DEPTH</b>
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
<b>WIDTH 400 MM.</b>			
	<b>HEIGHT X WIDTH X DEPTH</b>	<b>HEIGHT</b>	<b>DEPTH</b>
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, and 2 lifting eyebolts.

**FOR THE FOLLOWING CABINETS:** ENL.

## Lids for auxiliary module



Reference No.	Dimensions	
<b>FIXED BLANKING COVERS 300 MM.</b>		
	<b>HEIGHT</b>	<b>WIDTH</b>
TCF3030	300	300
TCF4030	400	300
TCF6030	600	300
TCF16030	1600	300
TCF18030	1800	300
<b>FIXED BLANKING COVERS 400 MM.</b>		
	<b>HEIGHT</b>	<b>WIDTH</b>
TCF3040	300	400
TCF4040	400	400
TCF6040	600	400
TCF16040	1600	400
TCF18040	1800	400
Reference No.	Description	Dimensions
<b>UPPER-LOWER COVER</b>		<b>HEIGHTXWIDTH</b>
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.

# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Busbar chamber



Reference No.	Dimensions	For cabinet	
		WIDTH	DEPTH
<b>UPPER-LOWER</b>	<b>HEIGHT X WIDTH X DEPTH</b>		
CE304060	300x400x600	400	600
CE304080	300x400x800	400	800
CE306060	300x600x600	600	600
CE306080	300x600x800	600	800
CE308060	300x800x600	800	600
CE308080	300x800x800	800	800
CE3010060	300x1000x600	1000	600
CE3010080	300x1000x800	1000	800
CE3012060	300x1200x600	1200	600
CE3012080	300x1200x800	1200	800

Reference No.	Dimensions	For cabinet	
		WIDTH	DEPTH
<b>UPPER-LOWER</b>	<b>HEIGHT X WIDTH X DEPTH</b>		
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
<b>SIDE PANELS</b>		
PLCE3060	300x600 side panel (2-piece pack)	600
PLCE3080	300x800 side panel (2-piece pack)	800
PLCE4060	400x600 side panel (2-piece pack)	600
PLCE4080	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.

## Swing frame for 19" rack



Reference No.

Assembly units

For cabinet

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

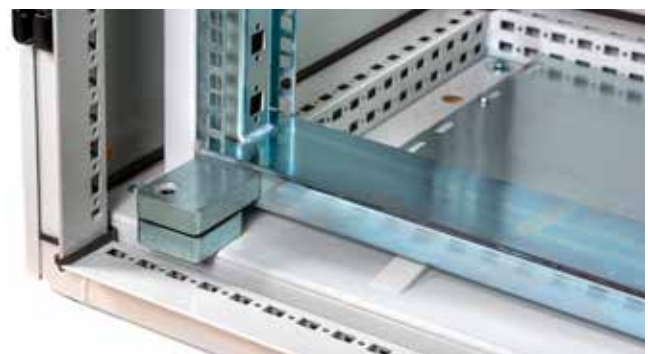
Frames supplied with pressure insert lock. Possibility of fitting other inserts available as accessories.

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 141).

**FOR THE FOLLOWING CABINETS:** ENL.



# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Fixed frame for 19" rack



Reference No.	Assembly units	For cabinet	
		HEIGHT	WIDTH
<b>FIXED FRAME PROFILES</b>			
<b>BF19/38U</b>	38 U	1800	600/800
<b>BF19/42U</b>	42 U	2000	600/800
<b>BF19/47U</b>	47 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 144).

3 units of the Ref. SB19 must be ordered for the cabinets with a width of 800 mm.

**SUPPLY:** 2-profile pack.

Reference No.	Description
<b>FIXING BRACKET</b>	
<b>SBF19</b>	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.

Reference No.	Description
<b>FINISHING LIDS</b>	
<b>EBF19/38U</b>	19" finishing lid 38U (4-piece pack)
<b>EBF19/42U</b>	19" finishing lid 42U (4-piece pack)
<b>EBF19/47U</b>	19" finishing lid 47U (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.

**FOR THE FOLLOWING CABINETS:** ENL.



## IP55 combinable cabinets with swing frame



Reference No.	Dimensions		Cable entry	Assembly units	Glass door with transparent panel
	HEIGHT X WIDTH X DEPTH	WIDTH X DEPTH	WIDTH X DEPTH		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.

**SUPPLY:** Cabinet, frame, side panels, cable entry lids and 2 lifting eyebolts.

The set does not include plinth or mounting plate. In case of being requested, the plate will be supplied attached to the outside of the cabinet on the same pallet.

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

**FOR THE FOLLOWING CABINETS:** ENL.



# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Lids for 19" rack



Reference No.	Assembly units
<b>BLANKING COVERS</b>	
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
<b>MODULAR LID</b>		
TMB3U	3 U	24

**MATERIAL:** RAL 7035 rolled steel.

**CHARACTERISTICS:** TMB3U cover includes DIN-rail.

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

### Trays for 19" rack



Reference No.	Description	Max. Load	Assembly units
BNF19-1/2U	Adjustable tray L=400/600 mm	100 kg	1/2 U
BNF19-1U/200	Fixed tray L=200 mm	20 kg	1 U
BNF19-2U/250	Fixed tray L=250 mm	20 kg	2 U
BNF19-2U/400	Fixed tray L=400 mm	20 kg	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
<b>200-MM PLINTHS</b>		<b>HEIGHT</b>
ZCLV2040	200	400
ZCLV2050	200	500
ZCLV2060	200	600
ZCLV2080	200	800
ZCLV20100	200	1000
ZCLV20120	200	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 143).

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

**FOR THE FOLLOWING CABINETS:** FSC - ENL - BIG.

## Plinths

### Corner pieces and front covers



Reference No.	Dimensions	For cabinet
<b>100-MM PLINTHS</b>		
	<b>HEIGHT</b>	<b>WIDTH</b>
ZCL1030	100	300
ZCL1040	100	400
ZCL1050	100	500
ZCL1060	100	600
ZCL1080	100	800
ZCL10100	100	1000
ZCL10120	100	1200
ZCL10160	100	1600

<b>200-MM PLINTHS</b>		
	<b>HEIGHT</b>	<b>WIDTH</b>
ZCL2030	200	300
ZCL2040	200	400
ZCL2050	200	500
ZCL2060	200	600
ZCL2080	200	800
ZCL20100	200	1000
ZCL20120	200	1200
ZCL20160	200	1600



<b>200-MM PLINTHS (100 + 100 COVERS)</b>		
	<b>HEIGHT</b>	<b>WIDTH</b>
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.

Available in two heights, 100 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
<b>100-MM PLINTHS</b>		
	<b>HEIGHT</b>	<b>DEPTH</b>
TLZCL1040	100	400
TLZCL1050	100	500
TLZCL1060	100	600
TLZCL1080	100	800
TLZCL10100	100	1000

<b>200-MM PLINTHS</b>		
	<b>HEIGHT</b>	<b>DEPTH</b>
TLZCL2040	200	400
TLZCL2050	200	500
TLZCL2060	200	600
TLZCL2080	200	800
TLZCL20100	200	1000

**MATERIAL:** RAL 7016 painted sheet steel.

**CHARACTERISTICS:** Available in two heights, 100 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.



# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Mounting profiles



Reference No.	For cabinet	Pack
<b>FOR MOD. FRAME</b>		
	<b>DEPTH</b>	
<b>PMB400</b>	400	2 pieces
<b>PMB500</b>	500	2 pieces
<b>PMB600</b>	600	2 pieces
<b>PMB800</b>	800	2 pieces
<b>PMB1000</b>	1000	2 pieces

**MATERIAL:** Galvanised steel with a thickness of 1.5 mm.

**CHARACTERISTICS:** Profiles for fitting to the modular frame (see page 132).

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
<b>OUTSIDE ASSEMBLY</b>		
	<b>WIDTH / DEPTH</b>	
<b>PME400</b>	400	2 pieces
<b>PME500</b>	500	2 pieces
<b>PME600</b>	600	2 pieces
<b>PME800</b>	800	2 pieces
<b>PME1000</b>	1000	2 pieces
<b>PME1200</b>	1200	2 pieces

	<b>HEIGHT</b>	
<b>PME1650</b>	1650	2 pieces
<b>PME1800</b>	1800	2 pieces
<b>PME2000</b>	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 1650 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
<b>REINFORCED OUTSIDE ASSEMBLY</b>		
	<b>WIDTH / DEPTH</b>	
<b>PMER400</b>	400	2 pieces
<b>PMER500</b>	500	2 pieces
<b>PMER600</b>	600	2 pieces
<b>PMER800</b>	800	2 pieces
<b>PMER1000</b>	1000	2 pieces
<b>PMER1200</b>	1200	2 pieces
<b>PMER1600</b>	1600	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.

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

**FOR THE FOLLOWING CABINETS:** FSC - ENL.

## Mounting profiles



Reference No.	For cabinet	Pack
<b>OUTSIDE SIMPLE ASSEMBLY</b>		
<b>WIDTH / DEPTH</b>		
PMES400	400	2 pieces
PMES500	500	2 pieces
PMES600	600	2 pieces
PMES800	800	2 pieces
PMES1000	1000	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 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:** FSC - ENL.

Reference No.	For cabinet	Pack
<b>INTERIOR ASSEMBLY</b>		
<b>WIDTH / DEPTH</b>		
PMI400	400	2 pieces
PMI500	500	2 pieces
PMI600	600	2 pieces
PMI800	800	2 pieces
PMI1000	1000	2 pieces
PMI1200	1200	2 pieces
<b>HEIGHT</b>		
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 1650 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
<b>REINFORCED INTERIOR ASSEMBLY</b>		
<b>WIDTH / DEPTH</b>		
PMIR400	400	2 pieces
PMIR500	500	2 pieces
PMIR600	600	2 pieces
PMIR800	800	2 pieces
PMIR1000	1000	2 pieces
PMIR1200	1200	2 pieces
PMIR1600	1600	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.

# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Mounting profiles



Reference No.	For cabinet	Pack
<b>FORK-SHAPED</b>		<b>DEPTH</b>
PMHR400	400	2 pieces
PMHR500	500	2 pieces
PMHR600	600	2 pieces
PMHR800	800	2 pieces
PMHR1000	1000	2 pieces
PMHR1200	1200	2 pieces

**MATERIAL:** 2-mm thick galvanised steel.

**CHARACTERISTICS:** They can be used to divide the inside of the cabinet. They have 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
<b>INTERIOR PARTITION</b>		<b>DEPTH</b>
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.

### Vertical uprights



Reference No.	For cabinet	Pack
<b>VERTICAL UPRIGHTS (BIG)</b>		<b>HEIGHT</b>
PVB1650	1650	4 pieces
PVB1800	1800	4 pieces
PVB2000	2000	4 pieces

**MATERIAL:** Galvanised steel.

**CHARACTERISTICS:** They are fitted vertically in BIG-type cabinets, allowing the installation of profiles in depth. They have Ø5-mm cut-outs with a distance of 12.5 mm.

**SUPPLY:** 4-profile pack per reference with the screws needed for assembly.

**FOR THE FOLLOWING CABINETS:** BIG.

### Assembly profiles for doors



Reference No.	For door	Pack
<b>ASSEMBLY PROFILES</b>		<b>WIDTH</b>
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 423x350 mm

**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 references on page 146). Max. Load: 12kg.

**FOR THE FOLLOWING CABINETS:** FSC - ENL - BIG.

## Fixed trays



Reference No.

Dimensions

For cabinets

	WIDTH X DEPTH	For cabinets	
		WIDTH	DEPTH
<b>BNF6040</b>	600x320	600	400
<b>BNF6060</b>	600x520	600	600
<b>BNF6080</b>	600x720	600	800
<b>BNF8040</b>	800x320	800	400
<b>BNF8060</b>	800x520	800	600
<b>BNF8080</b>	800x720	800	800

**MATERIAL:** Galvanised steel.

**CHARACTERISTICS:** A set of PME profiles must be ordered to install them (see page 144).

Max. Load: 100 kg.

**FOR THE FOLLOWING CABINETS:** FSC - ENL.

# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Spare doors



Reference No.	For cabinet	
SINGLE OPAQUE	HEIGHT	WIDTH
P016560	1650	600
P016580	1650	800
P0165100	1650	1000
P018030	1800	300
P018040	1800	400
P018060	1800	600
P018080	1800	800
P0180100	1800	1000
P020030	2000	300
P020040	2000	400
P020060	2000	600
P020080	2000	800
P0200100	2000	1000
P022030	2200	300
P022040	2200	400
P022060	2200	600
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
PT22080	2200	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: 3-point double-bit insert with retractable handle in RAL 7016 grey.

Opaque door 1000-mm width: P0500+P0500.

Opaque door 1200-mm width: P0600+P0600.

Opaque door 1600-mm width: P0800+P0800.

**FOR THE FOLLOWING CABINETS:** FSC - ENL - BIG.

## 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
PTDCA220100	2200	1000
PTDCA220120	2200	1200

Reference No.	For cabinet	
DOUBLE TRANSP. SYMETRICAL	HEIGHT	WIDTH
PTDCS165100	1650	1000
PTDCS165120	1650	1200
PTDCS180100	1800	1000
PTDCS180120	1800	1200
PTDCS200100	2000	1000
PTDCS200120	2000	1200
PTDCS220100	2200	1000
PTDCS220120	2200	1200

**MATERIAL:** 4-mm thick tempered glass.

**CHARACTERISTICS:** Each reference includes 2 doors. Doors with 120° opening, reversible. They feature double lock: interior 2 points 1/4 turn and exterior 3-point double-bit insert with retractable handle in RAL 7016.

Assymetrical transparent door 1000-mm width: PT600+PO400.

Assymetrical transparent door 1200-mm width: PT800+PO400.

**FOR THE FOLLOWING CABINETS:** FSC - ENL - BIG.



Reference No.	For cabinet	
INNER	HEIGHT	WIDTH
PIN16560	1650	600
PIN16580	1650	800
PIN165100	1650	1000
PIN18040	1800	400
PIN18060	1800	600
PIN18080	1800	800
PIN180100	1800	1000
PIN20040	2000	400
PIN20060	2000	600
PIN20080	2000	800
PIN200100	2000	1000
PIN22060	2200	600
PIN22080	2200	800

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

**CHARACTERISTICS:** Opaque inner doors.

Doors with 120° opening, reversible.

Features 2 double-bit 5-mm locks.

**FOR THE FOLLOWING CABINETS:** FSC - ENL.

# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Interlocking and actuation systems for doors



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

#### ACTUATION

48515	Main cabinet interlocking and actuation lock
-------	--

**CHARACTERISTICS:** Only for opaque-door cabinets.

Reference No.	For cabinet
---------------	-------------

#### INTERLOCKING KIT

	WIDTH
48559(*)	400
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.

\* Inner profiles for doors must be ordered for doors with a width of 400 mm. [See page 151].

**FOR THE FOLLOWING CABINETS:** ENL.

### Lock with handle



Ref. 48522

Ref. 48523

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

48522	1/4 turn lock + RAL 7016 handle (without rods)
-------	--

48523	Lock for padlock + RAL 7016 handle (without rods)
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**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
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48463	Triangular insert lock + triangular key 8
-------	---

48464	Keyless pressure insert lock
-------	------------------------------

48465	Security insert lock with key code 333
-------	--

48585	Security insert lock with key code 405
-------	--

48588	Security insert lock with key code 1242E
-------	--

### Key



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

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

## Packs for doors



**Reference No.**      **Description**

### INTERNAL LOCK

<b>48483</b>	Internal lock, double door + rod 1650
<b>48484</b>	Internal lock, double door + rod 1800
<b>48485</b>	Internal lock, double door + rod 2000

**MATERIAL:** Handle made of polyamide with fibreglass.

**CHARACTERISTICS:** 2-point ¼ 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

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

**MATERIAL:** Zamak.

**SUPPLY:** 4-piece pack.

**FOR THE FOLLOWING CABINETS:** FSC - ENL - BIG.



Ref. 48461

Ref. 48482

Ref. 48525

**Reference No.**      **Description**

### RODS FOR LOCKS

<b>48560</b>	Single door rod 1650/1800 mm height
<b>48561</b>	Single door rod 2000/2200 mm height
<b>48562</b>	External double door rod 1650 mm height
<b>48563</b>	External double door rod 1800 mm height
<b>48564</b>	External double door rod 2000 mm height
<b>48565</b>	Rod end (4-piece pack). For double-doors only

**MATERIAL:** Galvanised steel.

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

**FOR THE FOLLOWING CABINETS:** FSC-ENL-BIG.



Ref. 48565

## Retainer

**Reference No.**      **Description**

<b>48466</b>	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.



## Inner profiles for doors

**Reference No.**      **For cabinet**

	HEIGHT X WIDTH
<b>48581</b>	1650x400
<b>48582</b>	1800x400
<b>48583</b>	2000x400
<b>48584</b>	2200x400

**MATERIAL:** Galvanised steel.

**CHARACTERISTICS:** To be ordered only for 400 mm-width doors.

**FOR THE FOLLOWING CABINETS:** FSC - ENL.





# ARGENTA PLUS

## IP55-IP65 steel floor-standing cabinets accessories

### Document pocket



Ref. 49386

Ref. 49387

Reference No.	Description	Dimensions
		HEIGHTXWIDTHXDEPTH
49385	DIN A4 Insulating document pocket	217x226x26
49386	Metal document pocket 600	280x430x90
49387	Metal document pocket 800	280x655x90

**MATERIAL:** RAL 7035 painted sheet steel.

**CHARACTERISTICS:** Fitting screws not included. Ref. 49387 only to install in single-door cabinets.

**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.

30 mm elevation.

**SUPPLY:** 4-piece pack.

**FOR THE FOLLOWING CABINETS:** ENL.

## Paint



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

48292	RAL 7035 embossed grey paint
48294	RAL 7016 embossed grey anthracite paint

**CHARACTERISTICS:** RAL 7035 paint for cabinets; RAL 7016 paint for plinths.

**SUPPLY:** 400 ml tin.

## Module cover



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

77590	Module lid RAL 7035 grey (6 modules)
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
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**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
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48290	150 kg transport casters (4-caster pack)
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**MATERIAL:** Enclosure: 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:** Enclosure: 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.

# BALTIC



## IP55 Steel 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.

IP  
55

CE



### BALTIC Technical Specifications

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- Degree of protection: IP55.
- Resistance to impact: IK10.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC / 1500 V DC.

### BALTIC Certifications

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CE

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

# BALTIC

## IP55 steel desks



### Product series

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#### Standard

- **Mixed version:**  
IP55 desks with control and synoptic panels.  
Height: 1415 mm.  
Width: 600 - 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

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- 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

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- Cold-rolled steel EN 10130+A1.
- Injected polyurethane sealing gasket.

### Finish

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- Coated with hardened RAL 7035 embossed polyester paint, 80-120  $\mu$ , with UV protection.

### Protection

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- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, the effect of corrosion must be taken into consideration.

### Standard painting cycle

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- **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.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



## Enclosure

### Compact version: IP55 Control desks

- Enclosure 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

- Enclosure manufactured with side panels and welded profiles, consisting of two parts, the top and bottom enclosure (control-synoptic).
- Enclosure connection system using M6 bolts to form a complete and compact enclosure.
- The bottom enclosure has a rubber gasket that guarantees IP55 protection between the control and synoptic connection.
- Plate thickness 1.5 mm.
- The bottom enclosure 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 enclosure 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 158).
- 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.



# BALTIC

## IP55 steel desks

### 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 CONTROL	DEPTH SYNOPTIC	NO. OF DOORS VERT. HORIZ.	FRONT DOORS	REAR DOORS	KG						HORIZ. DOOR
<b>PSC600</b>	1415x600	500	950	1 1	1 single door	1 single door	75.00	317.0	396.3	475.5	554.8	634.1	14.00 Kg
<b>PSC800</b>	1415x800	500	950	1 1	1 single door	1 single door	90.00	376.0	470.0	564.0	658.0	752.0	13.00 Kg
<b>PSC1000</b>	1415x1000	500	950	1 1	1 single door	1 single door	108.00	435.0	543.7	652.5	761.2	870.0	11.50 Kg
<b>PSC1200</b>	1415x1200	500	950	1 1	1 double door	2 double doors	120.00	494.0	617.5	741.0	864.5	988.0	11.00 Kg
<b>PSC1600</b>	1415x1600	500	950	1 1	1 double door	2 double doors	152.00	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	40		
	HEIGHT X WIDTH	DEPTH 1	DEPTH 2	NO. OF DOORS HORIZ.	FRONT DOORS	REAR DOORS	KG						HORIZ. DOOR
<b>PC600</b>	965x600	400	520	1	1 single door	1 single door	50.00	202.6	253.2	303.8	354.5	405.1	14.00 Kg
<b>PC800</b>	965x800	400	520	1	1 single door	1 single door	53.00	244.6	305.7	366.9	428.0	489.2	13.00 Kg
<b>PC1000</b>	965x1000	400	520	1	1 single door	1 single door	64.00	286.6	358.3	430.0	501.6	573.3	11.50 Kg
<b>PC1000/PD</b>	965x1000	400	520	1	1 double door	1 double door	64.00	286.6	358.3	430.0	501.6	573.3	11.50 Kg
<b>PC1200</b>	965x1200	400	520	1	1 double door	1 double door	79.00	328.7	410.9	493.0	575.2	657.4	11.00 Kg

### IP55 desks with synoptic panels

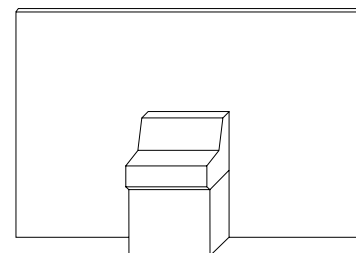
Reference No.	Dimensions		Doors synoptic		Weight	Power dissipation according to temperature increase °C P(W)*					Max. acc. load	
			VERTICAL	HORIZONTAL		20	25	30	35	40		
	HEIGHT X WIDTH	DEPTH SYNOPTIC			KG							HORIZ. DOOR
<b>PS800</b>	700x800	950	1	1	60.00	376.0	470.0	564.0	658.0	752.0	13.00 Kg	
<b>PS1000</b>	700x1000	950	1	1	66.00	435.0	543.7	652.5	761.2	870.0	11.50 Kg	
<b>PS1200</b>	700x1200	950	1	1	75.00	494.0	617.5	741.0	864.5	988.0	11.00 Kg	
<b>PS1600</b>	700x1600	950	1	1	89.00	611.9	764.9	917.9	1070.9	1223.9	7.50 Kg	

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".

SEE ACCESSORIES ON PAGE 160.



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





IP55 control and synoptic desks



IP55 synoptic desks



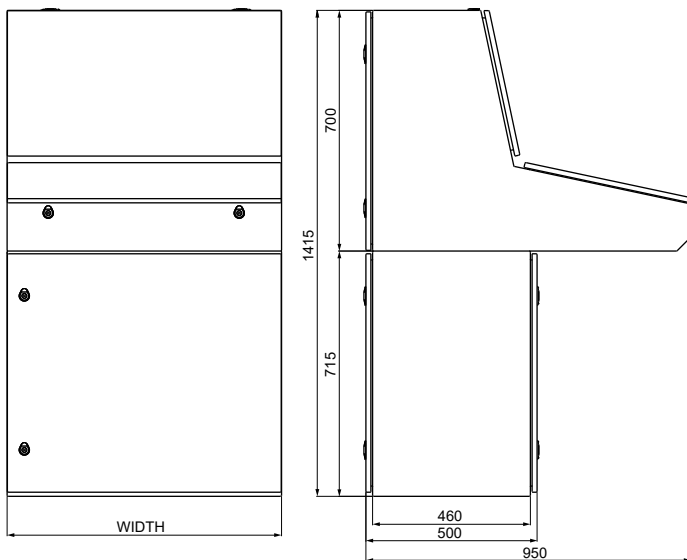
IP55 control desks



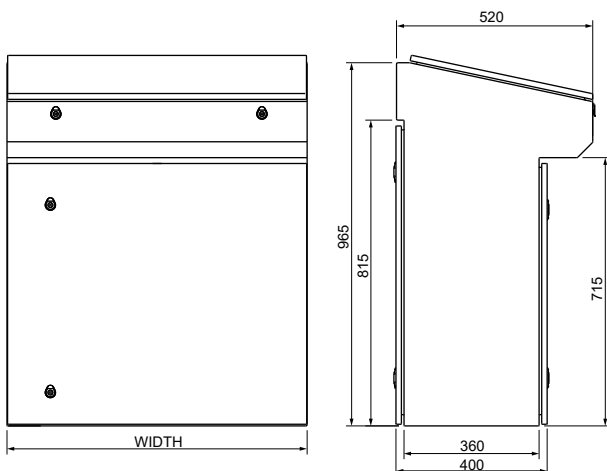
Special desks

## Dimensions

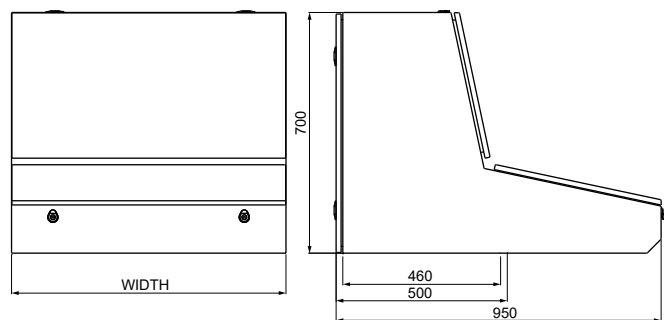
### IP55 with control and synoptic panels



### IP55 with control panel



### IP55 with synoptic panel





# BALTIC

## IP55 steel desks accessories

### Mounting plates



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

Reference No.	Dimensions	For desk	Position	
<b>VERTICAL HEIGHT 900 MM</b>	<b>HEIGHT X WIDTH</b>	<b>WIDTH</b>	<b>PSC</b>	<b>PC</b>
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	
<b>HORIZONTAL HEIGHT 400 MM</b>	<b>HEIGHT X WIDTH</b>	<b>WIDTH</b>	<b>PSC</b>	<b>PC</b>
PLBE600	394x521	600	D	G
PLBE800	394x721	800	D	G
PLBE1000	394x921	1000	D	G
PLBE1200	394x1121	1200	D	G
PLBE1600	394x1521	1600	D	G

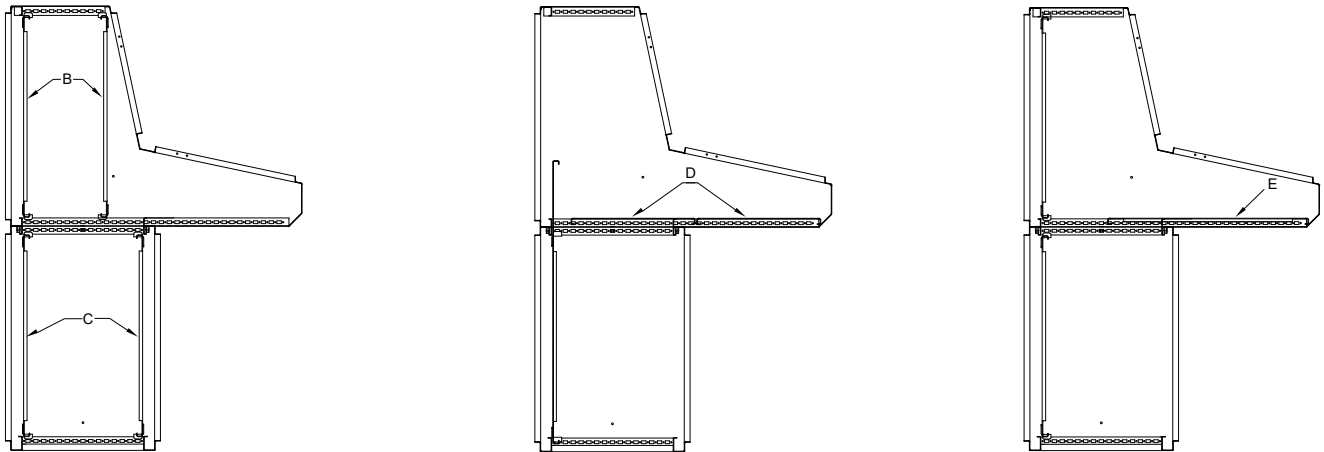
**MATERIAL:** Plain mounting plate in 2-mm thick galvanized steel.

**CHARACTERISTICS:** Bag of assembly accessories included.

**FOR THE FOLLOWING DESKS:** PSC - PC - PS.



## Desks with control and synoptic panel



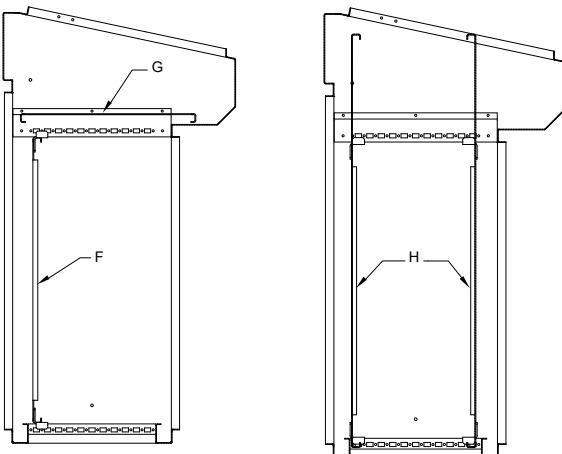
### Possibility of plate mounting for desks with control and synoptic panels

- 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.

# BALTIC

## IP55 steel desks accessories

### Plinths

#### Corner pieces and front covers



Reference No.	Dimensions	For desk
<b>100-MM PLINTHS</b>		
	<b>HEIGHT</b>	<b>WIDTH</b>
ZCL1060	100	600
ZCL1080	100	800 /1600
ZCL10100	100	1000
ZCL10120	100	1200
ZCL10160	100	1600
<b>200-MM PLINTHS</b>		
	<b>HEIGHT</b>	<b>WIDTH</b>
ZCL2060	200	600
ZCL2080	200	800 /1600
ZCL20100	200	1000
ZCL20120	200	1200
ZCL20160	200	1600
<b>200-MM PLINTHS 100 + 100 COVERS</b>		
	<b>HEIGHT</b>	<b>WIDTH</b>
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
<b>100-MM PLINTHS</b>		
	<b>HEIGHT</b>	<b>DEPTH</b>
TLZCL1040	100	400
TLZCL1050	100	500
<b>200-MM PLINTHS</b>		
	<b>HEIGHT</b>	<b>DEPTH</b>
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 DESKS:** 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
<b>DOUBLE VERTICAL</b>		
<b>PMV700</b>	700	2 pieces



Reference No.	Dimensions	Pack
<b>HORIZONTAL</b>		
<b>PMH400</b>	400	2 pieces
<b>PMH500</b>	500	2 pieces



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



Reference No.	Assembly units	Pack
<b>FOR 19" RACK</b>		
<b>PMR19/15U</b>	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
<b>46250</b>	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
<b>48449</b>	5-mm double-bit key in polyamide

# ATLANTIC



## IP40-IP65 Steel distribution cabinets (48-192 modules)

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.



IP  
40IP  
65

CE



## 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.

## 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 / 1500 V DC.
- **Rated insulation voltage (Ui):** 1000 V AC.
- **Rated impulse withstand voltage (Uimp):** 8 kV  
(depending on type of accessory).
- **Current (Ie):** 630 A (surface) / 125 A (flush-fit)  
(depending on type of accessory).
- **Rated short-time withstand current (Icw):** 33 kA 1s.
- **Rated peak withstand current (Ipk):** 69 kA.

# ATLANTIC

## IP40-IP65 steel distribution cabinets



### 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 enclosure, 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 for tertiary and residential sectors

### Material

- Enclosure, sides, top and bottom covers for surface cabinets and frames for flush-fit cabinets manufactured in cold-rolled steel EN 10130+A1 with a thickness of 1.2 mm.
- Enclosure for flush-fit cabinets manufactured in galvanised steel with a thickness of 1.2 mm.
- Opaque doors manufactured in cold-rolled steel EN 10130+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.
- Chassis for compact surface cabinets made of 1.5 - 2 mm thick galvanized steel sheet.

### Finish

- Coated with hardened RAL 9003 epoxy-polyester paint, embossed 80-120 µ.

### Protection

- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, the effect of the corrosion must be taken into consideration.

### 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.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.

## IP30-IP40 COMBINABLE SURFACE CABINETS



### Enclosure

- 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 enclosure 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





# ATLANTIC

## IP40-IP65 steel distribution cabinets

### IP40 COMPACT SURFACE CABINETS

#### Enclosure

- The enclosure is U-shaped and is made of a single piece consisting of the bottom and the sides.
- A mounting frame is screwed inside, consisting of two profiles where all the equipment can be fixed, and several horizontal reinforced profiles. Each vertical profile has two cut-out lines to insert caged nuts to secure accessories, with 14x9 mm rectangular dies every 25 mm.
- 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

#### Enclosure

- The enclosure consists of a single piece.
- A mounting frame is screwed inside, consisting of two profiles where all the equipment can be fixed, and several horizontal reinforced profiles. Each vertical profile has two cut-out lines to insert caged nuts to secure accessories, with 14x9 mm rectangular dies every 25 mm.
- 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 enclosure 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.

NEW



## IP40 FLUSH-FIT CABINETS



### Enclosure

- 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.

# ATLANTIC

## IP40-IP65 steel distribution cabinets

### 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 or chassis clip-on mounting system.
- Depth-adjustable supports that permit a DIN 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 enclosure profiles or in the chassis, 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.

#### 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:

- Surface cabinets: 50.5 - 96 mm.
- Flush-fit cabinets: 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
		5	-	1	120
120	1050	2	4	1	144
		-	7	-	168
		6	-	1	144
144	1250	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 183).

## Moulded-case circuit breaker (MCCB) mounting system

- Mounting system comprising a cover, plate and four adjustment supports.
- The layout of the MCCB (up to 400 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.

### Moulded-case circuit breaker cover (MCCB)

Reference No.	Lid height	For switch
<b>TMCB200</b>	200	MCCB
<b>TMCB250</b>	250	MCCB
<b>TMCB300</b>	300	MCCB
<b>TMCB400</b>	400	MCCB

### Plate+moulded-case circuit breaker (MCCB) supports

Reference No.	Dim.
<b>PMCB200</b>	165x385
<b>PMCB250</b>	215x385
<b>PMCB300</b>	265x385
<b>PMCB350</b>	315x385

Possibility of plastic and metal lids in two heights: 100 and 200 mm



### DIN rail kits

Ref. No. Description

<b>48013</b>	DIN rail 24 modules + SURFACE assembly supports
<b>48014</b>	DIN rail 24 modules + FLUSH-FIT assembly supports

### Hinged plastic lids

Reference No.		Lid height	Modules
BLIND	MODULAR	mm	
<b>TC50</b>	-	50	-
<b>TC150</b>	<b>TM150</b>	150	24
<b>TC200</b>	<b>TM200</b>	200	24

### Fixed metal lids

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

# ATLANTIC

## IP40-IP65 steel distribution cabinets

### IP30-IP40 combinable surface cabinets

Reference No.	Door Reference No.	Dim. cabinet	Usable height space	Cable entry	Modular capacity	Weight	Maximum acceptable load	Power dissipation according to temperature increase °C P(W)*					
		(AXBXC)	(D)	(FXG)				CAB.	DOOR	KG	20	25	30
40ENL48-72	P040SUP48-72	510x670x212	450	440x106	48-72	10.75	4.40	20	95.9	119.9	143.9	167.8	191.8
	4.87												
40ENL72-96	P040SUP72-96	710x670x212	650	440x106	72-96	13.90	6.00	30	124.9	156.2	187.4	218.6	249.9
	8.46												
40ENL96-120	P040SUP96-120	910x670x212	850	440x106	96-120	17.10	9.69	40	154.0	192.5	230.9	269.4	307.9
	9.77												
40ENL120-168	P040SUP120-168	1110x670x212	1050	440x106	120-168	20.10	11.42	50	183.0	228.7	274.5	320.2	366.0
	11.72												
40ENL144-192	P040SUP144-192	1310x670x212	1250	440x106	144-192	29.67	10.00	60	185.9	232.4	278.9	325.3	371.8
	11.30												

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).

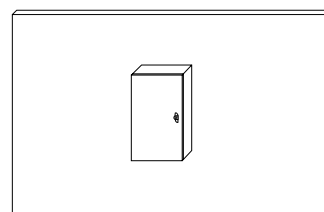
Cabinets supplied without door.

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

\* 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 176](#).

SEE ACCESSORIES ON [PAGE 178](#).



### Lid kits

Reference		Modular cap.	Mod. Lids	Mod. Lids	Blind lids	DIN rails	For cabinets
PLASTIC	METAL		200 mm	150 mm	50 mm		
S48P200	S48M200	48 MOD.	2	-	1	2	40ENL48-72
S72P150	S72M150	72 MOD.	-	3	-	3	40ENL48-72
S72P200	S72M200		3	-	1	3	40ENL72-96
S96P150	S96M150	96 MOD.	-	4	1	4	40ENL72-96
S96P200	S96M200		4	-	1	4	40ENL96-120
S120P150	S120M150	120 MOD.	-	5	2	5	40ENL96-120
S120P200	S120M200		5	-	1	5	40ENL120-168
S168P150	S168M150	168 MOD.	-	7	-	7	40ENL120-168
S144P200	S144M200	144 MOD.	6	-	1	6	40ENL144-192
S192P150	S192M150	192 MOD.	-	8	1	8	40ENL144-192



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	15.55 15.97	20	95.9	119.9	143.9	167.8	191.8
40SUP72-96PO 40SUP72-96PT	710x670x212	650	440x106	72-96	20.00 21.24	30	124.9	156.2	187.4	218.6	249.9
40SUP96-120PO 40SUP96-120PT	910x670x212	850	440x106	96-120	24.50 26.54	40	154.0	192.5	230.9	269.4	307.9
40SUP120-168PO 40SUP120-168PT	1110x670x212	1050	440x106	120-168	29.64 31.85	50	183.0	228.7	274.5	320.2	366.0
40SUP144-192PO 40SUP144-192PT	1310x670x212	1250	440x106	144-192	34.00 35.74	60	185.9	232.4	278.9	325.3	371.8

RAL 9003 rolled steel.

Cabinets are supplied empty, without lids or DIN rail.

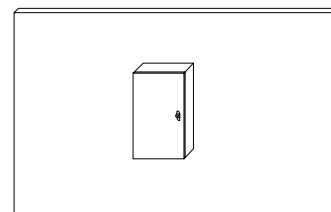
The corresponding lid + DIN rail kit must be ordered (see lid kit table).

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 176.

SEE ACCESSORIES ON PAGE 178.



### NEW INTEGRATED REMOVABLE CHASSIS

## Lid kits

Reference		Modular cap.	Mod. Lids 200 mm	Mod. Lids 150 mm	Blind lids 50 mm	DIN rails	For cabinets
PLASTIC	METAL						
S48P200	S48M200	48 MOD.	2	-	1	2	40SUP48-72PO-PT
S72P150	S72M150	72 MOD.	-	3	-	3	40SUP48-72PO-PT
S72P200	S72M200		3	-	1	3	40SUP72-96PO-PT
S96P150	S96M150	96 MOD.	-	4	1	4	40SUP72-96PO-PT
S96P200	S96M200		4	-	1	4	40SUP96-120PO-PT
S120P150	S120M150	120 MOD.	-	5	2	5	40SUP96-120PO-PT
S120P200	S120M200		5	-	1	5	40SUP120-168PO-PT
S168P150	S168M150	168 MOD.	-	7	-	7	40SUP120-168PO-PT
S144P200	S144M200	144 MOD.	6	-	1	6	40SUP144-192PO-PT
S192P150	S192M150	192 MOD.	-	8	1	8	40SUP144-192PO-PT



40SUP48-72



40SUP72-96



40SUP96-120



40SUP120-168



40SUP144-192

# ATLANTIC

## IP40-IP65 steel distribution cabinets

### 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
<b>65SUP48-72PO</b> <b>65SUP48-72PT</b>	510x670x212	450	500x80	48-72	14.10	20	95.9	119.9	143.9	167.8	191.8
14.40											
<b>65SUP72-96PO</b> <b>65SUP72-96PT</b>	710x670x212	650	500x80	72-96	18.55	30	124.9	156.2	187.4	218.6	249.9
18.75											
<b>65SUP96-120PO</b> <b>65SUP96-120PT</b>	910x670x212	850	500x80	96-120	20.29	40	154.0	192.5	230.9	269.4	307.9
23.20											
<b>65SUP120-168PO</b> <b>65SUP120-168PT</b>	1110x670x212	1050	500x80	120-168	26.10	50	183.0	228.7	274.5	320.2	366.0
25.02											
<b>65SUP144-192PO</b> <b>65SUP144-192PT</b>	1310x670x212	1250	500x80	144-192	31.75	60	185.9	232.4	278.9	325.3	371.8
32.68											

RAL 9003 rolled steel.

Cabinets are supplied empty, without lids or DIN rail.

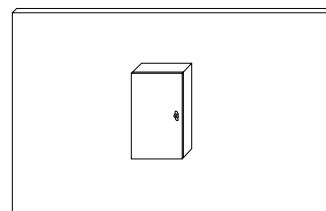
The corresponding lid + DIN rail kit must be ordered (see lid kit table).

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 177](#).

SEE ACCESSORIES ON [PAGE 178](#).



### NEW INTEGRATED REMOVABLE CHASSIS

### Lid kits

Reference		Modular cap.	Mod. Lids 200 mm	Mod. Lids 150 mm	Blind lids 50 mm	DIN rails	For cabinets
PLASTIC	METAL						
<b>S48P200</b>	<b>S48M200</b>	48 MOD.	2	-	1	2	65SUP48-72PO-PT
<b>S72P150</b>	<b>S72M150</b>	72 MOD.	-	3	-	3	65SUP48-72PO-PT
<b>S72P200</b>	<b>S72M200</b>		3	-	1	3	65SUP72-96PO-PT
<b>S96P150</b>	<b>S96M150</b>	96 MOD.	-	4	1	4	65SUP72-96PO-PT
<b>S96P200</b>	<b>S96M200</b>		4	-	1	4	65SUP96-120PO-PT
<b>S120P150</b>	<b>S120M150</b>	120 MOD.	-	5	2	5	65SUP96-120PO-PT
<b>S120P200</b>	<b>S120M200</b>		5	-	1	5	65SUP120-168PO-PT
<b>S168P150</b>	<b>S168M150</b>	168 MOD.	-	7	-	7	65SUP120-168PO-PT
<b>S144P200</b>	<b>S144M200</b>	144 MOD.	6	-	1	6	65SUP144-192PO-PT
<b>S192P150</b>	<b>S192M150</b>	192 MOD.	-	8	1	8	65SUP144-192PO-PT



65SUP48-72



65SUP72-96



65SUP96-120



65SUP120-168



65SUP144-192

## IP40 flush-fit cabinets

Reference No.	Dim. cabinet (AXBXC)	Usable height space D	Enclosure to be flush-fitted (FXGXH)	Modular capacity	Weight KG	Maximum acceptable load KG	Power dissipation according to temperature increase °C P(W)*				
							20	25	30	35	40
<b>40EMP48-72PO</b> <b>40EMP48-72PT</b>	597x737x120	450	520x660x100	48-72	16.17 19.08	20	81.9	102.4	122.9	143.3	163.8
<b>40EMP72-96PO</b> <b>40EMP72-96PT</b>	797x737x120	650	720x660x100	72-96	20.20 20.90	30	107.1	133.9	160.7	187.5	214.2
<b>40EMP96-120PO</b> <b>40EMP96-120PT</b>	997x737x120	850	920x660x100	96-120	24.45 25.71	40	132.3	165.4	198.5	231.6	264.7
<b>40EMP120-168PO</b> <b>40EMP120-168PT</b>	1197x737x120	1050	1120x660x100	120-168	28.65 31.03	50	157.5	196.9	236.3	275.7	315.1
<b>40EMP144-192PO</b> <b>40EMP144-192PT</b>	1397x737x120	1250	1320x660x100	144-192	32.80 35.59	60	182.8	228.4	274.1	319.8	365.5

Enclosure: Galvanised steel. Door: RAL 9003 rolled steel.

Cabinets are supplied empty, without lids or DIN rail.

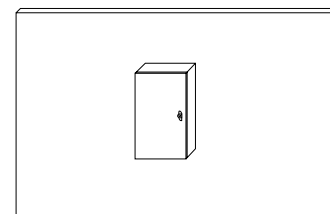
The corresponding lid + DIN rail kit must be ordered (see lid kit table).

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 177](#).

SEE ACCESSORIES ON [PAGE 178](#).



## Lid kits

Reference		Modular cap.	Mod. Lids 200 mm	Mod. Lids 150 mm	Blind lids 50 mm	DIN rails	For cabinets
PLASTIC	METAL						
<b>E48P200</b>	<b>E48M200</b>	48 MOD.	2	-	1	2	40EMP48-72PO-PT
<b>E72P150</b>	<b>E72M150</b>	72 MOD.	-	3	-	3	40EMP48-72PO-PT
<b>E72P200</b>	<b>E72M200</b>		3	-	1	3	40EMP72-96PO-PT
<b>E96P150</b>	<b>E96M150</b>	96 MOD.	-	4	1	4	40EMP72-96PO-PT
<b>E96P200</b>	<b>E96M200</b>		4	-	1	4	40EMP96-120PO-PT
<b>E120P150</b>	<b>E120M150</b>	120 MOD.	-	5	2	5	40EMP96-120PO-PT
<b>E120P200</b>	<b>E120M200</b>		5	-	1	5	40EMP120-168PO-PT
<b>E168P150</b>	<b>E168M150</b>	168 MOD.	-	7	-	7	40EMP120-168PO-PT
<b>E144P200</b>	<b>E144M200</b>	144 MOD.	6	-	1	6	40EMP144-192PO-PT
<b>E192P150</b>	<b>E192M150</b>	192 MOD.	-	8	1	8	40EMP144-192PO-PT



40EMP48-72



40EMP72-96



40EMP96-120



40EMP120-168



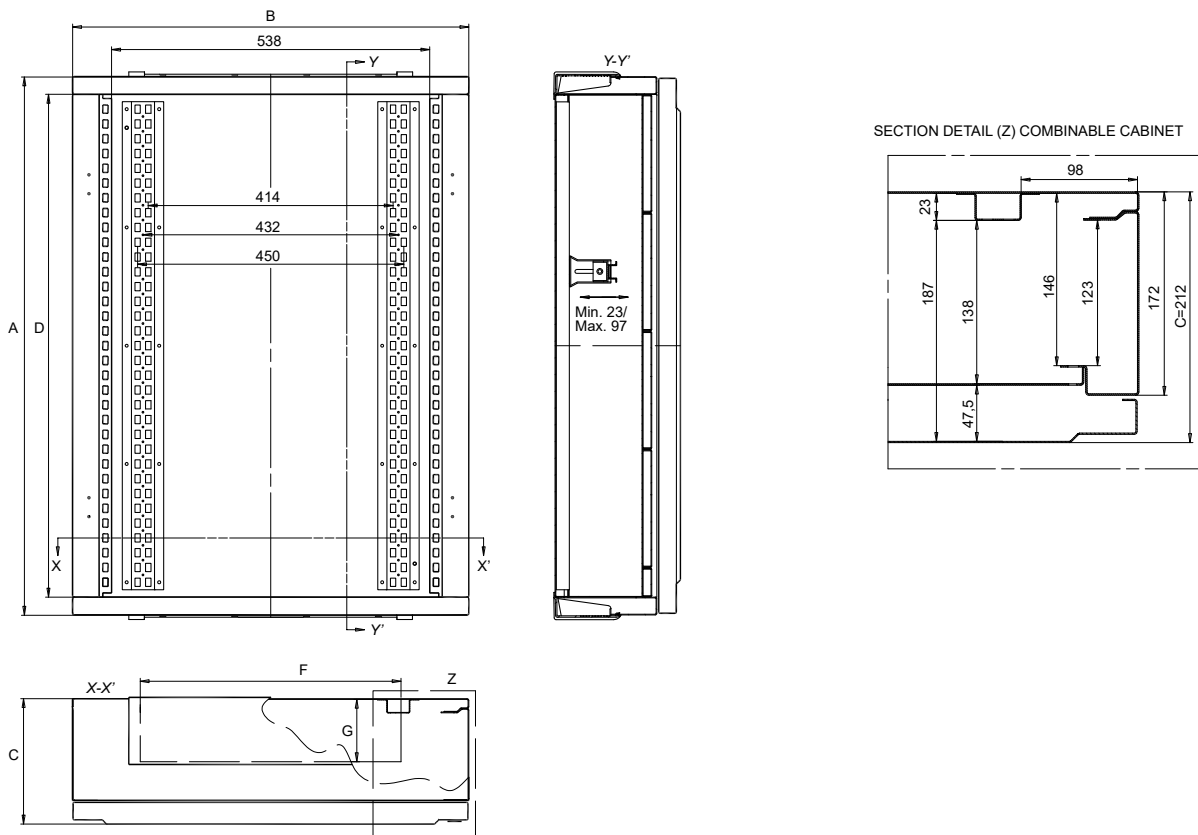
40EMP144-192



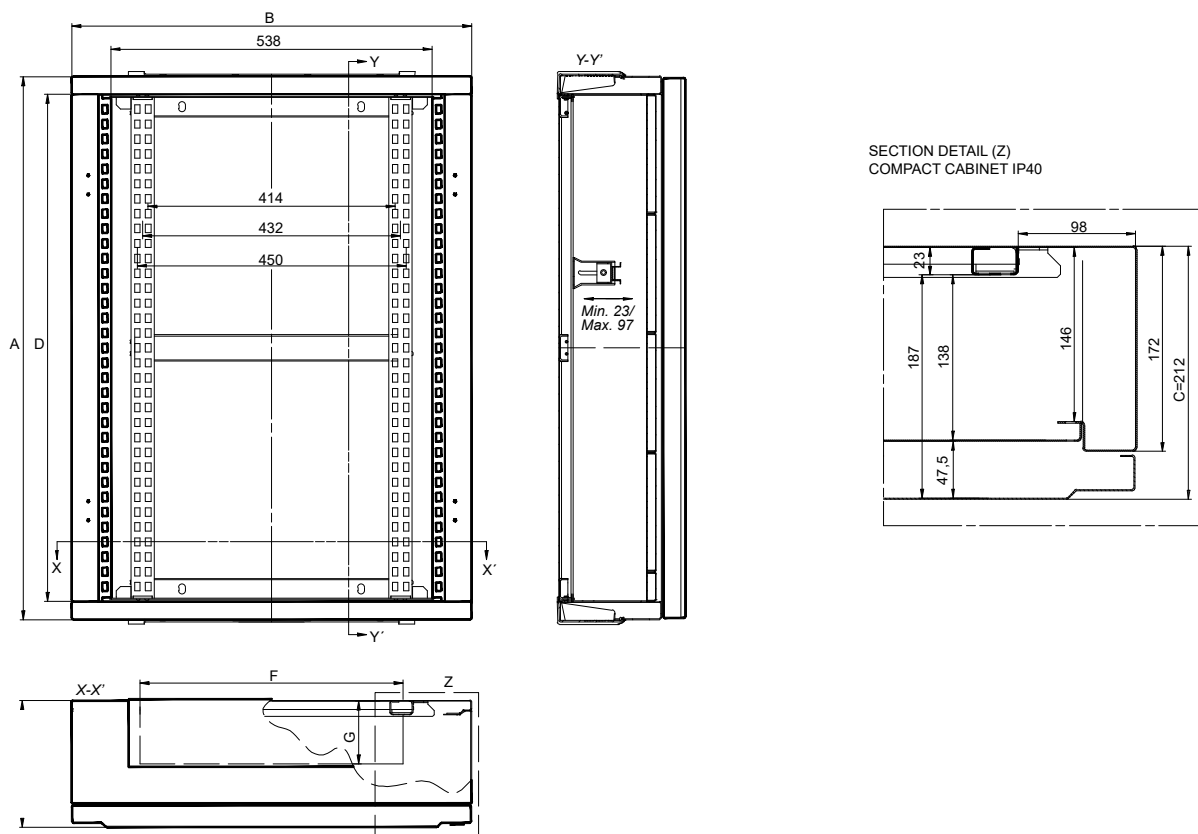
# ATLANTIC

## IP40-IP65 steel distribution cabinets

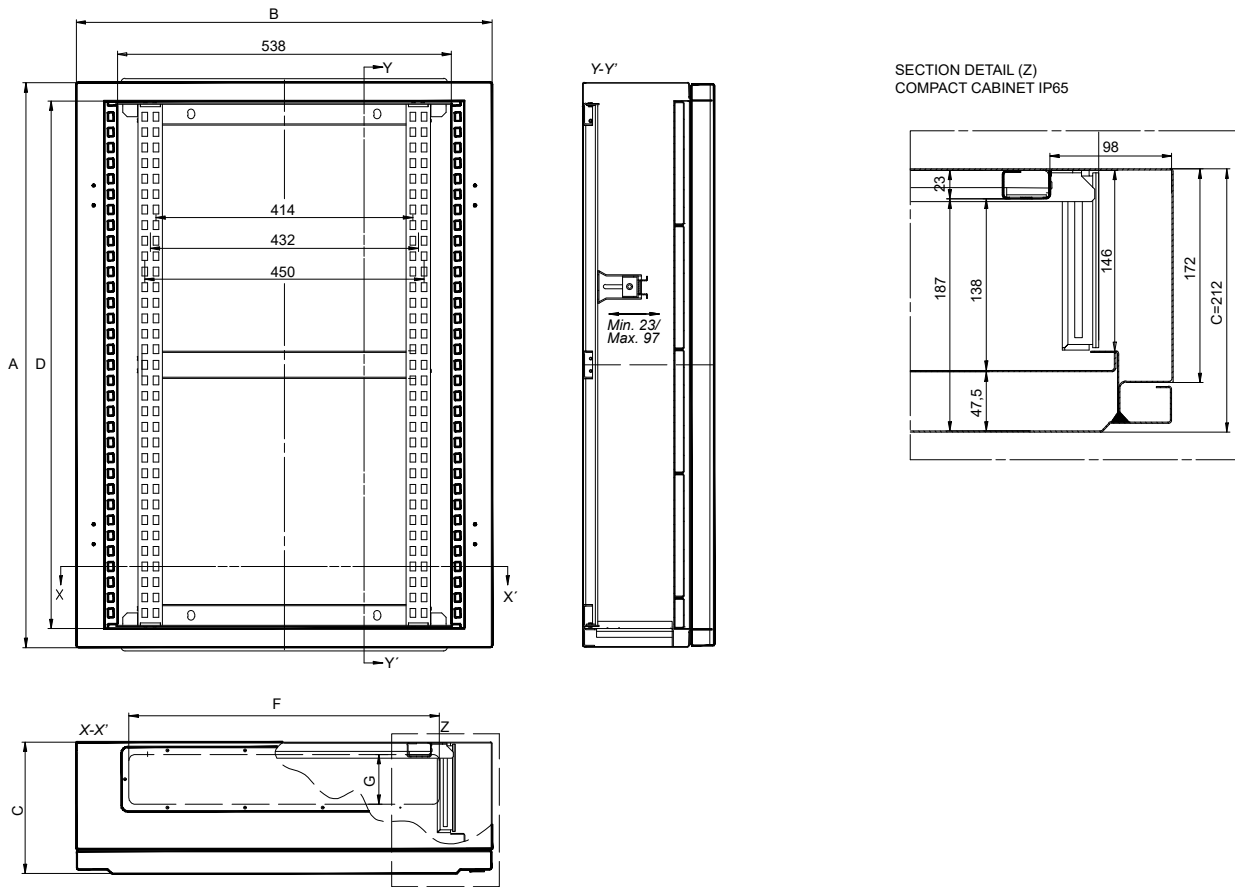
### Dimensions: IP40 combinable surface cabinets



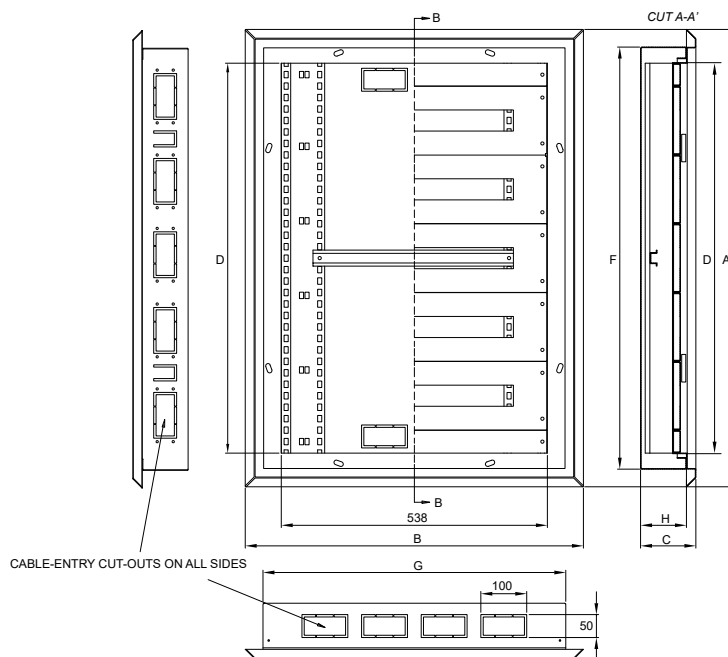
### Dimensions: IP40 compact surface cabinets



### Dimensions: IP65 compact surface cabinets



### Dimensions: IP40 flush-fit cabinets



# ATLANTIC

## IP40-IP65 steel distribution cabinets accessories

### Plastic lids



Reference No.	Dimensions	Number of modules
<b>MODULAR</b>		
<b>HEIGHT X WIDTH</b>		
<b>TM150</b>	150x577	24
<b>TM200</b>	200x577	24
<b>BLIND</b>		
<b>HEIGHT X WIDTH</b>		
<b>TC50</b>	50x577	-
<b>TC150</b>	150x577	-
<b>TC200</b>	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
<b>FIXED MODULAR</b>		
<b>HEIGHT X WIDTH</b>		
<b>TMM150F</b>	150x577	24
<b>TMM200F</b>	200x577	24
<b>TMM300F</b>	300x577	2x24
<b>TMM400F</b>	400x577	2x24
<b>FIXED BLIND</b>		
<b>HEIGHT X WIDTH</b>		
<b>TCM50F</b>	50x577	-
<b>TCM150F</b>	150x577	-
<b>TCM200F</b>	200x577	-
<b>TCM300F</b>	300x577	-
<b>TCM400F</b>	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
<b>HEIGHT X WIDTH</b>		
<b>TMCB200</b>	200x577	MCCB
<b>TMCB250</b>	250x577	MCCB
<b>TMCB300</b>	300x577	MCCB
<b>TMCB400</b>	400x577	MCCB

### Plate + moulded-case circuit breaker (MCCB) support



Reference No.	Dimensions
<b>HEIGHT X WIDTH</b>	
<b>PMCB200</b>	165x385
<b>PMCB250</b>	215x385
<b>PMCB300</b>	265x385
<b>PMCB350</b>	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.

Upon request, custom machined lids for different types of MCCB or control and measurement elements. Request more information at [export@ide.es](mailto:export@ide.es)

**NEW**

### DIN rail kit for surface cabinets



Reference No.	Description	Number of modules
<b>48013</b>	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
<b>SIDE</b>	<b>HEIGHT X WIDTH X DEPTH</b>	<b>HEIGHT X WIDTH</b>	
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
<b>CENTRAL</b>	<b>HEIGHT X WIDTH X DEPTH</b>	<b>HEIGHT X WIDTH</b>	
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.	Gap dimensions	Height dimensions		For cabinet
		LID 1	LID 2	
48660	450x248	450	-	48
48661	650x248	650	-	72
48662	850x248	850	-	96
48663	1050x248	600	450	120
48664	1250x248	800	450	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	
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.

**CHARACTERISTICS:** 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 630 A in the upright position.

Upon request, custom machined lids for different types of MCCB or control and measurement elements.  
Request more information at [export@ide.es](mailto:export@ide.es)

**NEW**

# ATLANTIC

## IP40-IP65 steel distribution cabinets accessories

### Combination + extension ENL cabinets



Reference No.	Dimensions	No. of modules	For cabinet
<b>COMBINABLE SURFACE CAB.</b>			
<b>HEIGHT</b>			
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

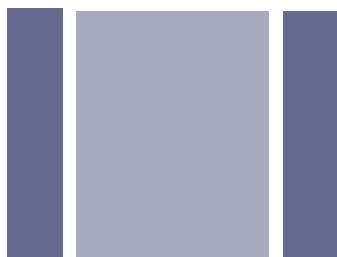
**MATERIAL:** RAL 9003 painted sheet steel.

**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.

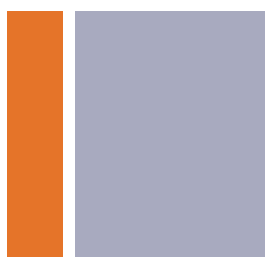
### How to join two 40ENL72-96 cabinets

#### REFERENCES



**Ref. Cabinet 40ENL72-96**  
It includes one rear and two side panels.

+



**Ref. Extension EE6771**  
It includes one rear panel and one joining structure.

>

#### FINAL SET



Door must be requested separately.

### Joining structure for flush-fit cabinets



Reference No.	Description
<b>FLUSH-FIT CABINET</b>	
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.

## 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.



## Mounting plates



Ref. PLC



Ref. PLM

Reference No. Dimensions No. of adjustable supports

### PARTIAL PLAIN

### HEIGHT X WIDTH

**PLM200** 200x478 1

**PLM300** 300x478 1

**PLC450** 450x430 -

**PLC600** 600x430 -

### TOTAL PLAIN

**PLM850** 850x478 2

**PLM1050** 1050x478 2

**PLM1250** 1250x478 2

**MATERIAL:** Mounting plate in 2-mm thick galvanised steel.

**CHARACTERISTICS:** The mounting elements must be ordered for the height adjustment of the PLM 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

Reference No. Description



Ref. 94422

Ref. 48444

Ref. 48340

**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

**CHARACTERISTICS:** Ref. 48340 only for PLM200 and PLM300 plates.

# ATLANTIC

## IP40-IP65 steel distribution cabinets accessories

### Spare doors



Reference No.	Description	For cabinet
<b>IP40 FLUSH-FIT CABINET</b>		<b>NO. OF MODULES</b>
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
<b>IP40 SURFACE</b>		<b>NO. OF MODULES</b>
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
<b>IP65 SURFACE</b>		<b>NO. OF MODULES</b>
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
---------------	-------------

<b>48445</b>	5-mm double-bit lock (surface)
--------------	--------------------------------

<b>48446</b>	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
---------------	-------------

<b>48447</b>	1/4 turn lock with key code 333 (surface)
--------------	---

<b>48448</b>	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
---------------	-------------

<b>48458</b>	1/4 turn lock with wing nut with key code 333 (surface)
--------------	---

<b>48459</b>	1/4 turn lock with wing nut with key code 333 (flush-fit)
--------------	---

<b>48542</b>	1/4 turn lock with fixed wing nut without key (surface)
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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
---------------	-------------

<b>48449</b>	5-mm double-bit key in polyamide
--------------	----------------------------------

<b>48460</b>	5-mm double-bit key in zamak
--------------	------------------------------

<b>48550</b>	1/4 turn key code 333
--------------	-----------------------

## Wall-mounting support



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

<b>48427</b>	Galvanised wall-mounting support (4-piece pack)
--------------	---

**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.

## Kit for ICP



Reference No.	Description	No. of modules
---------------	-------------	----------------

<b>48107</b>	Kit for flush-fit ICP 63A	ICP+26
--------------	---------------------------	--------

<b>48108</b>	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.



# ATLANTIC PLUS



## IP40-IP55 Steel distribution cabinets (192-288 modules)

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.

IP  
40IP  
55

CE



## ATLANTIC PLUS Technical Specifications

- **Degree of protection:**  
Combinable surface cabinets: IP40.  
Compact surface cabinets: IP55.
- **Resistance to impact:**  
Opaque door: IK10.  
Transparent door: IK09.
- **Ambient temperature range:** -25 °C / +40 °C.

## ATLANTIC PLUS Certifications

CE

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 / 1500 V DC.
- **Rated insulation voltage (Ui):** 1000 V AC.
- **Rated impulse withstand voltage (Uimp):** 8 kV  
(depending on type of accessory).
- **Current (Ie):** 630 A (depending on type of accessory).
- **Rated short-time withstand current (Icw):** 33 kA 1s.
- **Rated peak withstand current (Ipk):** 69 kA.

# ATLANTIC PLUS

## IP40-IP55 steel distribution cabinets



### 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:

- Enclosure.
- 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.

Intended for large facilities in the tertiary and residential sector: shopping centers, hospitals...

### Material

- Enclosure, sides, and top and bottom covers made of 1.2-mm thick EN 10130+A1 cold-rolled steel.
- Opaque doors made of 1.2-mm thick EN 10130+A1 cold-rolled steel.
- Transparent doors made of 4-mm thick tempered safety glass.
- Plinth made of EN 10130+A1 cold rolled steel. Side supports: 3-mm thick. Front and side covers 1.2-mm thick.

### Finish

- Coated with hardened RAL 9003 epoxy-polyester paint, embossed 80-120  $\mu$ .

### Protection

- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, the effect of the corrosion must be taken into consideration.

### 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.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.

## IP40 COMBINABLE SURFACE CABINETS



### Enclosure

- Totally assemblable enclosure that is supplied disassembled to give the installer greater versatility and facilitate assembly and wiring.
- The enclosure 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 enclosure is totally reversible, and the electrical switchgear can be installed in any position.

### Sides

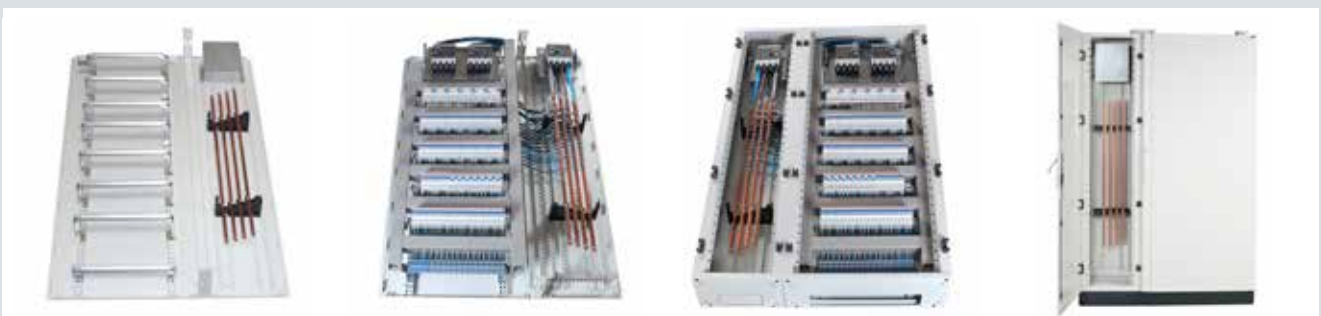
- The sides are secured to the base by means of clips.
- The hinges and retainers are secured to the sides by machined screws. The sides are reversible, and the doors can be opened to the right or to the left.
- The top and bottom covers are secured to the side by means of riveted nuts.

### 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



# ATLANTIC PLUS

IP40-IP55 steel distribution cabinets

## IP55 COMPACT SURFACE CABINETS

### Enclosure

- The enclosure 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 enclosure 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 large facilities 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 enclosure 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 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.



# ATLANTIC PLUS

## IP40-IP55 steel distribution cabinets

### 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	58.00	70	321.2	401.5	481.8	562.1	642.4
40ENL192-240PT	1810x730x250	1600	192-240	59.00	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	58.00	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	64.00	85	369.8	462.2	554.6	647.1	739.5
55SUP216-288PT	2110x730x250	1900	216-288	65.00	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.

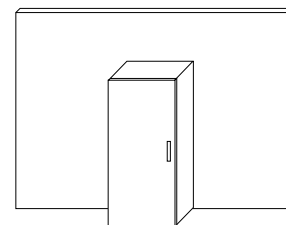
Plinth included in the unit. The dimensions include the 100-mm plinth.

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 192-193](#).

SEE ACCESSORIES ON [PAGE 194](#).



## Multiple module combinations for a single cabinet size



IP40 combinable opaque door



IP40 combinable transparent door



IP55 compact opaque door



IP55 compact with frame

## 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



**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 630 A. 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.

Upon request, custom machined lids for different types of MCCB or control and measurement elements. Request more information at [export@ide.es](mailto:export@ide.es)

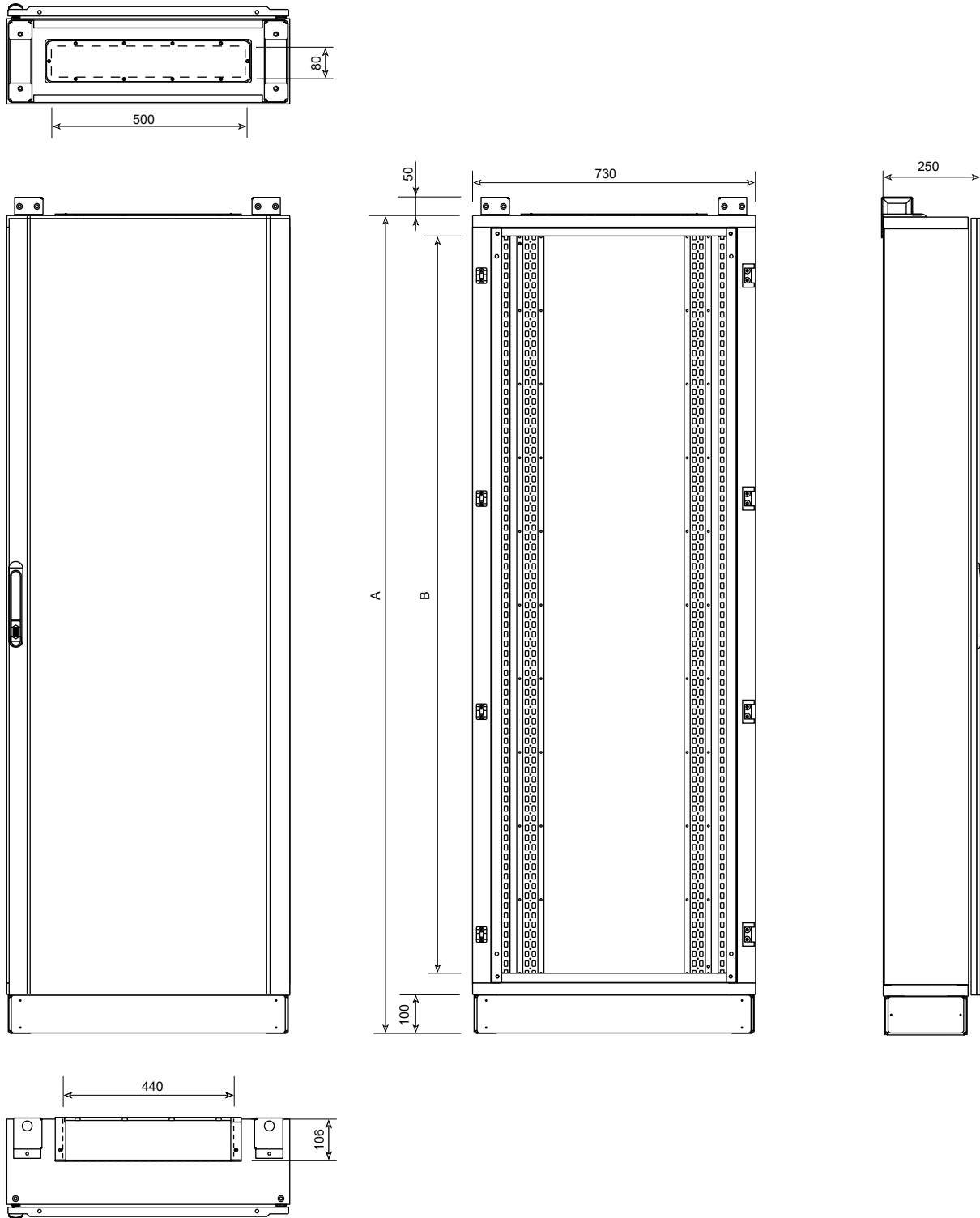
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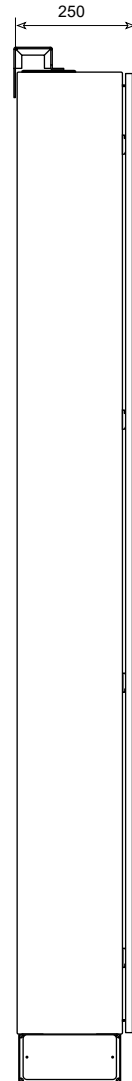
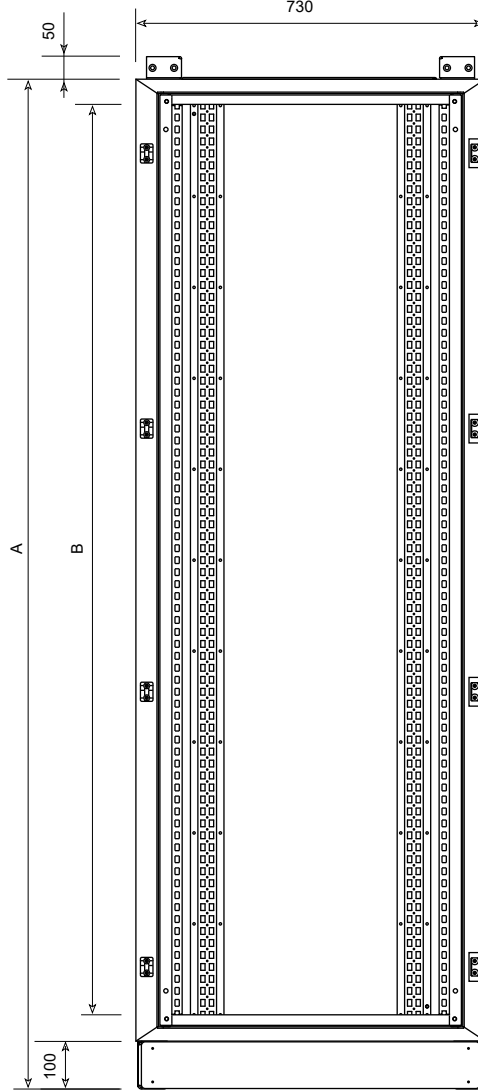
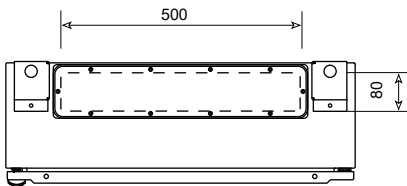
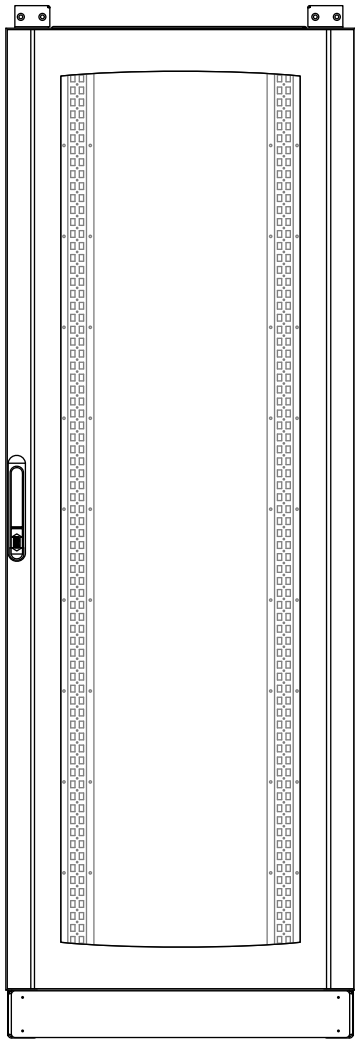
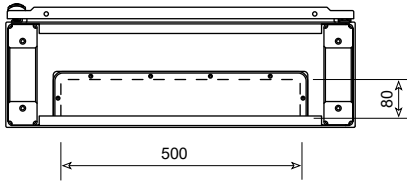
# ATLANTIC PLUS

IP40-IP55 steel distribution cabinets

## Dimensions: IP40 combinable cabinets



### Dimensions: IP55 compact cabinets



# ATLANTIC PLUS

## IP40-IP55 steel distribution cabinet accessories

### Auxiliary module



Reference No.	Dimensions	Usable space	For cabinet
	HEIGHTXWIDTHXDEPTH	HEIGHT	
<b>ME401810</b>	1810x430x250	1650	40ENL192-240
<b>ME402110</b>	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.

Opaque door with 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.	Dimensions	Dimensions	
		PLATE	COVER
<b>48705</b>	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 630 A in the upright position.

**FOR THE AUXILIARY MODULE:** ME.

Upon request, custom machined lids for different types of MCCB or control and measurement elements. Request more information at [export@ide.es](mailto:export@ide.es)

**NEW**



Reference No.	Dimensions
<b>PROTECTIVE COVERS FOR BUSBAR</b>	<b>HEIGHT X WIDTH</b>
<b>48370</b>	300x303
<b>48371</b>	450x303
<b>48372</b>	600x303
<b>48266</b>	1200x303
<b>48267</b>	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 AUXILIARY MODULE:** ME.

# ATLANTIC PLUS

## IP40-IP55 steel distribution cabinet accessories

### Combination + extension ENL cabinets



Reference No.	Dimensions (mm)	For cabinet
<b>HEIGHT</b>		
<b>EE1810PO</b>	1810	40ENL192-240PO
<b>EE2110PO</b>	2110	40ENL216-288PO
<b>EE1810PT</b>	1810	40ENL192-240PT
<b>EE2110PT</b>	2110	40ENL216-288PT

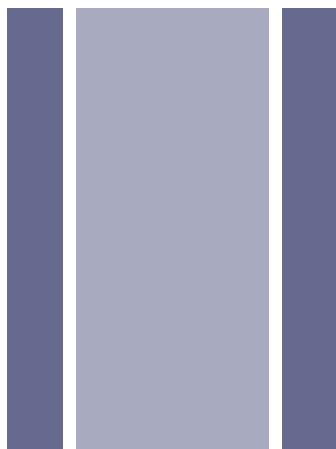
**MATERIAL:** RAL 9003 painted sheet steel.

**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.

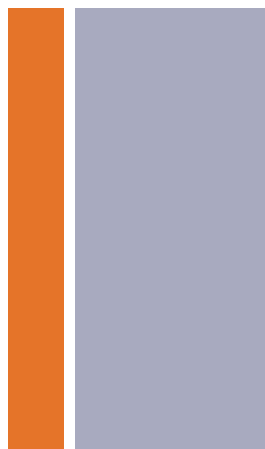
### How to join two 40ENL192-240PO cabinets

#### REFERENCES



**Ref. Cabinet 40ENL192-240PO**  
It includes one rear and two side panels.

+



**Ref. Extension EE1810PO**  
It includes one rear panel and one joining structure.

>

#### FINAL SET



Door included.

## 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.



## Mounting plates



Reference No. Dimensions No. of adjustable elements needed

### PARTIAL PLAIN HEIGHTXWIDTH

**PLM200** 200x478 1

**PLM300** 300x478 1

**PLM400** 400x478 2

### TOTAL PLAIN

**PLM1600** 1650x500 3

**PLM1900** 1950x500 3

**MATERIAL:** Mounting plate in 2-mm thick galvanised steel.

**CHARACTERISTICS:** The mounting elements must be ordered for the height adjustment: ref. 48340.

**FOR THE FOLLOWING CABINETS:** 40ENL-55SUP.

Reference No. Description

### PLATE MOUNTING ELEMENTS

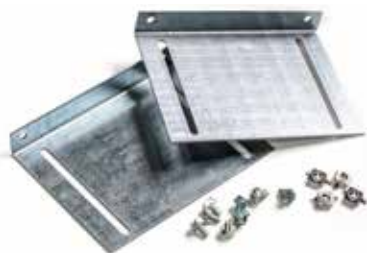
**48340** Adjustable plate mounting elements

**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.



# ATLANTIC PLUS

## IP40-IP55 steel distribution cabinet accessories

### Spare doors



Reference No.	Description	For cabinet
<b>IP40 COMBINABLE</b>		<b>NO. OF MODULES</b>
<b>P040ENL192</b>	Opaque	192-240
<b>PT40ENL192</b>	Transparent	192-240
<b>P040ENL216</b>	Opaque	216-288
<b>PT40ENL216</b>	Transparent	216-288

Reference No.	Description	For cabinet
<b>IP55 COMPACT</b>		<b>NO. OF MODULES</b>
<b>P055SUP192</b>	Opaque	192-240
<b>PT55SUP192</b>	Transparent	192-240
<b>P055SUP216</b>	Opaque	216-288
<b>PT55SUP216</b>	Transparent	216-288



Reference No.	Description	For cabinet
<b>FOR AUX. MODULE</b>		<b>HEIGHT</b>
<b>POME1810</b>	Opaque	1810
<b>POME2110</b>	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-ME.

## Standard lock



Ref. 48522    Ref. 48523

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

<b>48522</b>	1/4 turn lock + RAL 7016 handle (without rods)
<b>48523</b>	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
---------------	-------------

<b>48541</b>	Triangular insert lock + triangular key 6.5
<b>48463</b>	Triangular insert lock + triangular key 8
<b>48464</b>	Keyless pressure insert lock
<b>48465</b>	Security insert lock with key code 333
<b>48585</b>	Security insert lock with key code 405
<b>48588</b>	Security insert lock with key code 1242E

## Key



Reference No.	Description
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<b>48460</b>	5-mm double-bit key in zamak
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## Packs for doors



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

### INTERNAL LOCK

<b>48484</b>	Internal lock, double door + rod 1800
<b>48485</b>	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

<b>48461</b>	Standard 120° hinge (4-piece pack)
<b>48482</b>	Lock retainer (4-piece pack)

**MATERIAL:** Zamak.

**SUPPLY:** 4-piece pack.

**FOR THE FOLLOWING CABINETS:** 40ENL-55SUP.



Ref. 48461    Ref. 48482

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

### RODS FOR LOCKS

<b>48560</b>	Single door rod 1800 mm height
<b>48561</b>	Single door rod 2000 mm height
<b>48565</b>	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. 48565



# THERMAL MANAGEMENT



## Air conditioning for industrial cabinets

Control of the temperature inside the electrical cabinets is a fundamental factor for lengthening the service life and correct operation of the electrical and electronic appliances installed inside. A perfect air conditioning system for forestalling temperature fluctuations which could damage the equipment, preventing overheating and the formation of condensation.

The correct choice of temperature control appliances is essential for guaranteeing the correct operation of our electrical panels.



## Content

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- Fans (AC, DC).
- Heating resistors.
- Thermostats.
- Hygrostats and hygrotherms.
- Air conditioners.
- Exchangers.

## How to select the most suitable appliances

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- Analyse the conditions of work.
- Analyse the environmental and temperature conditions.
- Analyse whether the exterior temperature is higher or lower than the temperature inside the panel.
- Analyse the conditions of contamination, dust, fluids, aggressive environments, oils.

## Certifications

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

## Recommendations

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- Low ambient temperature: Fans with filter.
- Ambient highly contaminated with dust or fluids: Air-air exchangers.
- High ambient temperature: Air conditioners.
- Ambient with high degree of humidity and aggressive contamination (oils): Air-water exchangers.

# THERMAL MANAGEMENT

## Ventilation

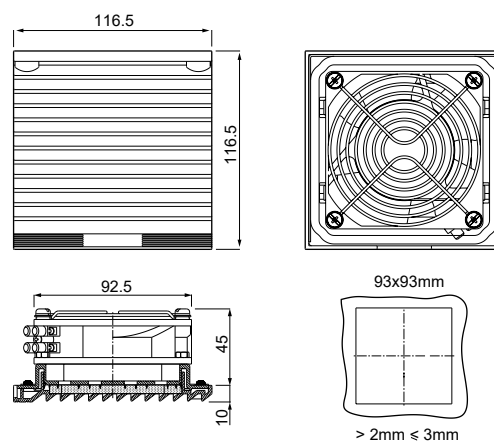
### IP54 AC Filter fan (34-42 m<sup>3</sup>/h)



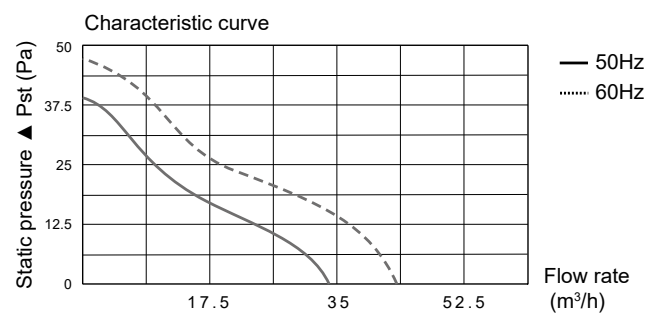
Specifications	Units	Reference <b>VF34AC</b>	
<b>Voltage</b>	V	230	
	Hz	50	60
<b>Air flow with filter</b>	m <sup>3</sup> /h	34	42
<b>Operating temperature</b>	°C	-20 °C ~ +65 °C	
<b>Relative humidity range</b>	-	0 - 95%	
<b>Filtration efficiency</b>	-	Up to 73%	
<b>Service (at 40 °C)</b>	h	50000	
<b>Noise level</b>	dB	32	34
<b>Dimensions</b>	mm	116.5x116.5x55	
<b>Thickness of the cabinet wall</b>	mm	2 - 3	
<b>Cut-off dimensions</b>	mm	93x93	
<b>Electrical connection</b>	-	Terminal	
<b>Current consumption</b>	A	0.06	0.07
<b>Energy consumption</b>	W	12	11
<b>Static pressure</b>	Pa	39	45
<b>Overcurrent protection</b>	-	Impedance	
<b>Protection rating EN 60529</b>	-	IP54	
<b>Direction of flow</b>	-	From exterior to interior	
<b>Reversible</b>	-	Yes	
<b>Bearing</b>	-	Ball bearing	
<b>Colour</b>	-	RAL 7035	
<b>Material</b>	-	UL94 V0 ABS	
<b>Filter material</b>	-	Nylon fibre 150 g/m <sup>3</sup>	
<b>Seal</b>	-	Autoadhesive polyurethane	
<b>Weight</b>	kg	0.38	
<b>Assembly</b>	-	Quick-connect clip	
<b>Certificates</b>	-	CE, ROHS	

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

## Dimensions



## Graphs



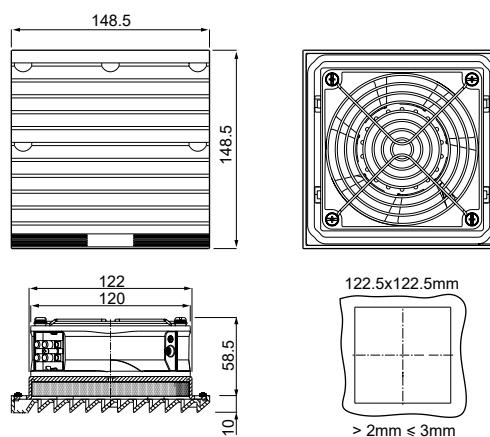
## IP54 AC Filter fan (92-107 m<sup>3</sup>/h)



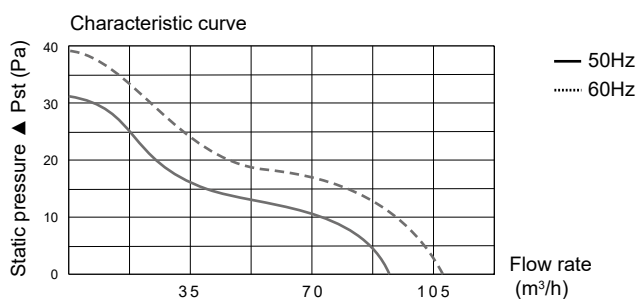
Specifications	Units	Reference <b>VF92AC</b>	
Voltage	V	230	
	Hz	50	60
Air flow with filter	m <sup>3</sup> /h	92	107
Operating temperature	°C	-20 °C ~ +65 °C	
Relative humidity range	-	0 - 95%	
Filtration efficiency	-	Up to 73%	
Service (at 40 °C)	h	50000	
Noise level	dB	31	34
Dimensions	mm	148.5x148.5x68.5	
Thickness of the cabinet wall	mm	2 - 3	
Cut-off dimensions	mm	122.5x122.5	
Electrical connection	-	Terminal	
Current consumption	A	0.12	0.10
Energy consumption	W	19	14
Static pressure	Pa	32	39
Overcurrent protection	-	Impedance	
Protection rating EN 60529	-	IP54	
Direction of flow	-	From exterior to interior	
Reversible	-	Yes	
Bearing	-	Ball bearing	
Colour	-	RAL 7035	
Material	-	UL94 V0 ABS	
Filter material	-	Nylon fibre 150 g/m <sup>3</sup>	
Seal	-	Autoadhesive polyurethane	
Weight	kg	0.70	
Assembly	-	Quick-connect clip	
Certificates	-	CE, ROHS	

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

## Dimensions



## Graphs



# THERMAL MANAGEMENT

## Ventilation

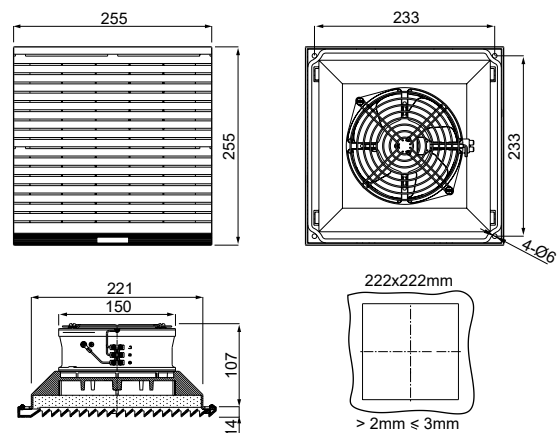
### IP54 AC Filter fan (224-266 m<sup>3</sup>/h)



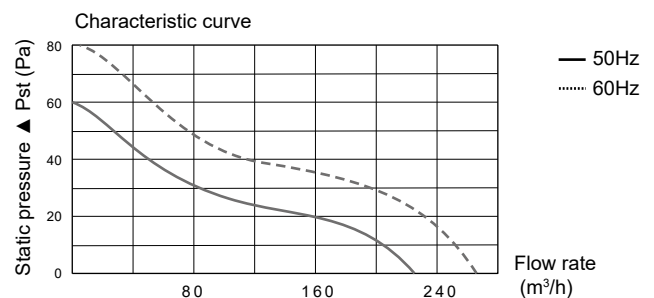
Specifications	Units	Reference <b>VF224AC</b>	
Voltage	V	230	
	Hz	50	60
Air flow with filter	m <sup>3</sup> /h	224	266
Operating temperature	°C	-20 °C ~ +70 °C	
Relative humidity range	-	0 - 95%	
Filtration efficiency	-	Up to 73%	
Service (at 40 °C)	h	50000	
Noise level	dB	46	50
Dimensions	mm	255x255x121	
Thickness of the cabinet wall	mm	2 - 3	
Cut-off dimensions	mm	222x222	
Electrical connection	-	Terminal	
Current consumption	A	0.25	0.20
Energy consumption	W	37	33
Static pressure	Pa	60	85
Overcurrent protection	-	Thermal	
Protection rating EN 60529	-	IP54	
Direction of flow	-	From exterior to interior	
Reversible	-	Yes	
Bearing	-	Ball bearing	
Colour	-	RAL 7035	
Material	-	UL94 V0 ABS	
Filter material	-	Nylon fibre 150 g/m <sup>3</sup>	
Seal	-	Autoadhesive polyurethane	
Weight	kg	1.62	
Assembly	-	Quick-connect clip / Bolts	
Certificates	-	CE, ROHS	

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

## Dimensions



## Graphs



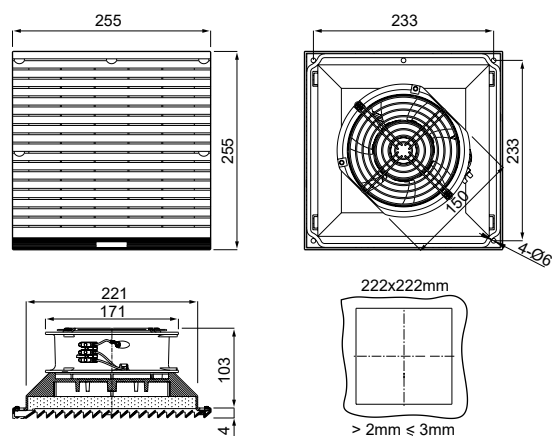
## IP54 AC Filter fan (280-320 m<sup>3</sup>/h)



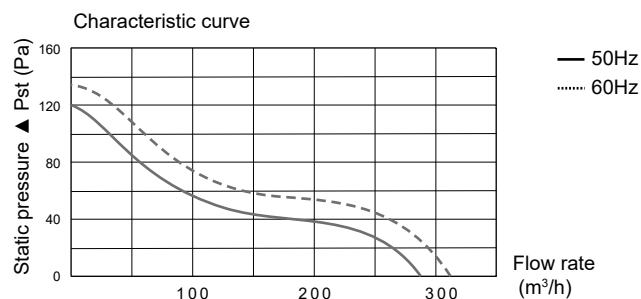
Specifications	Units	Reference <b>VF280AC</b>	
<b>Voltage</b>	V	230	
	Hz	50	60
<b>Air flow with filter</b>	m <sup>3</sup> /h	280	320
<b>Operating temperature</b>	°C	-20 °C ~ +70 °C	
<b>Relative humidity range</b>	-	0 - 95%	
<b>Filtration efficiency</b>	-	Up to 73%	
<b>Service (at 40 °C)</b>	h	50000	
<b>Noise level</b>	dB	48	50
<b>Dimensions</b>	mm	255x255x117	
<b>Thickness of the cabinet wall</b>	mm	2 - 3	
<b>Cut-off dimensions</b>	mm	222x222	
<b>Electrical connection</b>	-	Terminal	
<b>Current consumption</b>	A	0.26	0.24
<b>Energy consumption</b>	W	41	38
<b>Static pressure</b>	Pa	120	135
<b>Overcurrent protection</b>	-	Impedance	
<b>Protection rating EN 60529</b>	-	IP54	
<b>Direction of flow</b>	-	From exterior to interior	
<b>Reversible</b>	-	Yes	
<b>Bearing</b>	-	Ball bearing	
<b>Colour</b>	-	RAL 7035	
<b>Material</b>	-	UL94 V0 ABS	
<b>Filter material</b>	-	Nylon fibre 150 g/m <sup>3</sup>	
<b>Seal</b>	-	Autoadhesive polyurethane	
<b>Weight</b>	kg	1.47	
<b>Assembly</b>	-	Quick-connect clip / Bolts	
<b>Certificates</b>	-	CE, ROHS	

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

## Dimensions



## Graphs



# THERMAL MANAGEMENT

## Ventilation

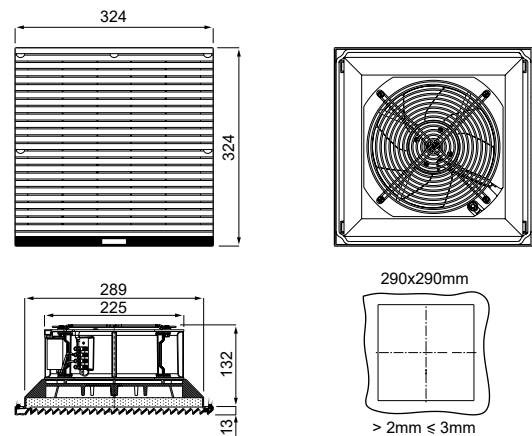
### IP54 AC Filter fan (637-707 m<sup>3</sup>/h)



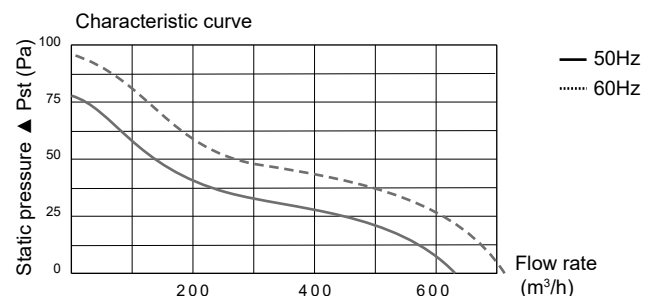
Specifications	Units	Reference <b>VF637AC</b>	
<b>Voltage</b>	V	230	
	Hz	50	60
<b>Air flow with filter</b>	m <sup>3</sup> /h	637	707
<b>Operating temperature</b>	°C	-20 °C ~ +75 °C	
<b>Relative humidity range</b>	-	0 - 95%	
<b>Filtration efficiency</b>	-	Up to 73%	
<b>Service (at 40 °C)</b>	h	50000	
<b>Noise level</b>	dB	55	57
<b>Dimensions</b>	mm	324x324x145	
<b>Thickness of the cabinet wall</b>	mm	2 - 3	
<b>Cut-off dimensions</b>	mm	290x290	
<b>Electrical connection</b>	-	Terminal	
<b>Current consumption</b>	A	0.30	0.34
<b>Energy consumption</b>	W	65	77
<b>Static pressure</b>	Pa	78	90
<b>Overcurrent protection</b>	-	Thermal	
<b>Protection rating EN 60529</b>	-	IP54	
<b>Direction of flow</b>	-	From exterior to interior	
<b>Reversible</b>	-	Yes	
<b>Bearing</b>	-	Ball bearing	
<b>Colour</b>	-	RAL 7035	
<b>Material</b>	-	UL94 V0 ABS	
<b>Filter material</b>	-	Nylon fibre 150 g/m <sup>3</sup>	
<b>Seal</b>	-	Autoadhesive polyurethane	
<b>Weight</b>	kg	3.43	
<b>Assembly</b>	-	Quick-connect clip	
<b>Certificates</b>	-	CE, ROHS	

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

## Dimensions



## Graphs



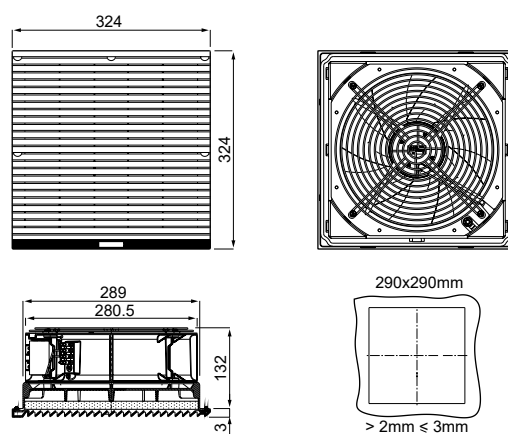
## IP54 AC Filter fan (1395-1530 m<sup>3</sup>/h)



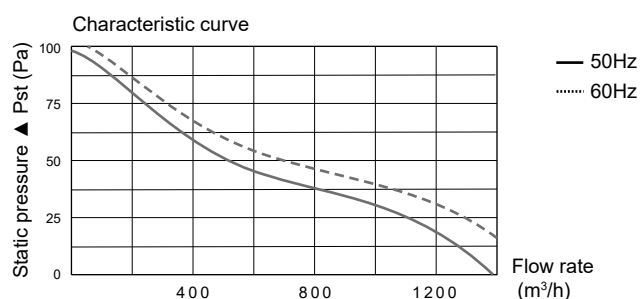
Specifications	Units	Reference VF1395AC	
Voltage	V	230	
	Hz	50	60
Air flow with filter	m <sup>3</sup> /h	1395	1530
Operating temperature	°C	-20 °C ~ +75 °C	
Relative humidity range	-	0 - 95%	
Filtration efficiency	-	Up to 73%	
Service (at 40 °C)	h	50000	
Noise level	dB	63	65
Dimensions	mm	324x324x145	
Thickness of the cabinet wall	mm	2 - 3	
Cut-off dimensions	mm	290x290	
Electrical connection	-	Terminal	
Current consumption	A	0.48	0.62
Energy consumption	W	105	140
Static pressure	Pa	95	105
Overcurrent protection	-	Thermal	
Protection rating EN 60529	-	IP54	
Direction of flow	-	From exterior to interior	
Reversible	-	Yes	
Bearing	-	Ball bearing	
Colour	-	RAL 7035	
Material	-	UL94 V0 ABS	
Filter material	-	Nylon fibre 150 g/m <sup>3</sup>	
Seal	-	Autoadhesive polyurethane	
Weight	kg	4.22	
Assembly	-	Quick-connect clip	
Certificates	-	CE, ROHS	

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

## Dimensions



## Graphs





# THERMAL MANAGEMENT

## Ventilation

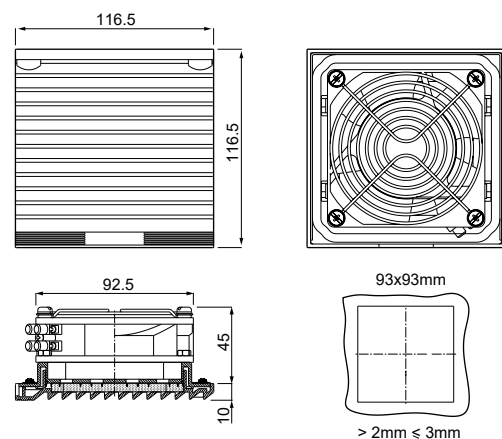
### IP54 DC Filter fan (60 m<sup>3</sup>/h)



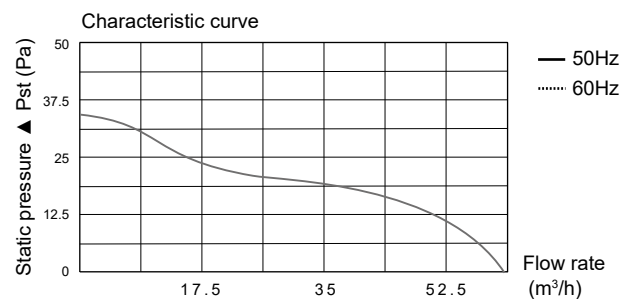
Specifications	Units	Reference <b>VF60DC</b>
<b>Voltage</b>	V	24
<b>Air flow with filter</b>	m <sup>3</sup> /h	70
<b>Operating temperature</b>	°C	-20 °C ~ +65 °C
<b>Relative humidity range</b>	-	0 - 95%
<b>Filtration efficiency</b>	-	Up to 73%
<b>Service (at 40 °C)</b>	h	50000
<b>Noise level</b>	dB	36
<b>Dimensions</b>	mm	116.5x116.5x55
<b>Thickness of the cabinet wall</b>	mm	2 - 3
<b>Cut-off dimensions</b>	mm	93x93
<b>Electrical connection</b>	-	Terminal
<b>Current consumption</b>	A	0.12
<b>Energy consumption</b>	W	2.88
<b>Static pressure</b>	Pa	45
<b>Overcurrent protection</b>	-	Impedance
<b>Protection rating EN 60529</b>	-	IP54
<b>Direction of flow</b>	-	From exterior to interior
<b>Reversible</b>	-	Yes
<b>Bearing</b>	-	Ball bearing
<b>Colour</b>	-	RAL 7035
<b>Material</b>	-	UL94 V0 ABS
<b>Filter material</b>	-	Nylon fibre 150 g/m <sup>3</sup>
<b>Seal</b>	-	Autoadhesive polyurethane
<b>Weight</b>	kg	0.37
<b>Assembly</b>	-	Quick-connect clip
<b>Certificates</b>	-	CE, ROHS

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

## Dimensions



## Graphs



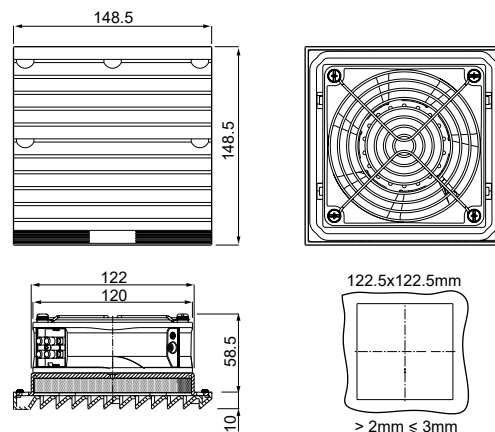
## IP54 DC Filter fan (113 m<sup>3</sup>/h)



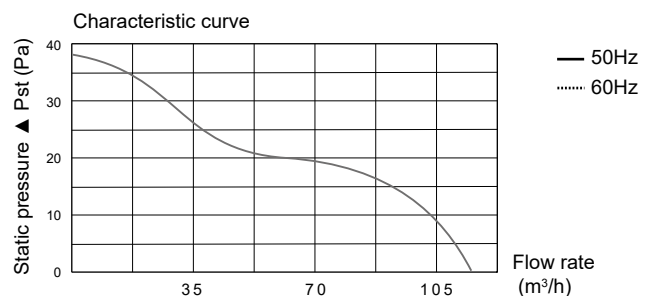
Specifications	Units	Reference VF113DC
Voltage	V	24
Air flow with filter	m <sup>3</sup> /h	113
Operating temperature	°C	-20 °C ~ +65 °C
Relative humidity range	-	0 - 95%
Filtration efficiency	-	Up to 73%
Service (at 40 °C)	h	50000
Noise level	dB	35
Dimensions	mm	148.5x148.5x68.5
Thickness of the cabinet wall	mm	2 - 3
Cut-off dimensions	mm	122.5x122.5
Electrical connection	-	Terminal
Current consumption	A	0.31
Energy consumption	W	7.44
Static pressure	Pa	38
Overcurrent protection	-	Impedance
Protection rating EN 60529	-	IP54
Direction of flow	-	From exterior to interior
Reversible	-	Yes
Bearing	-	Ball bearing
Colour	-	RAL 7035
Material	-	UL94 V0 ABS
Filter material	-	Nylon fibre 150 g/m <sup>3</sup>
Seal	-	Autoadhesive polyurethane
Weight	kg	0.49
Assembly	-	Quick-connect clip
Certificates	-	CE, ROHS

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

## Dimensions



## Graphs



# THERMAL MANAGEMENT

## Ventilation

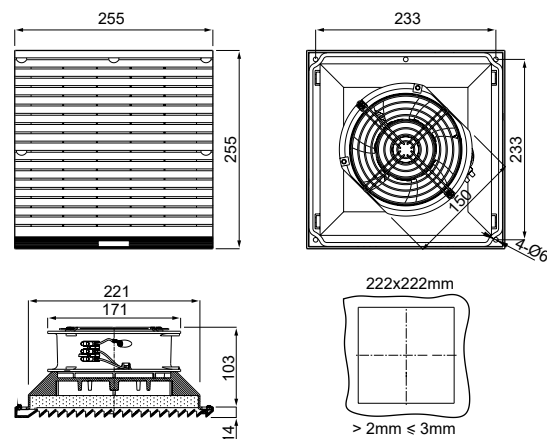
### IP54 DC Filter fan (245 m<sup>3</sup>/h)



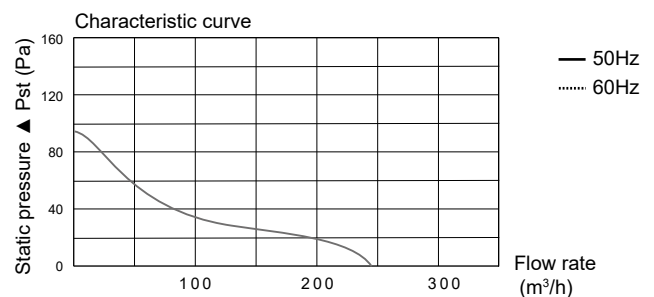
Specifications	Units	Reference <b>VF245DC</b>
<b>Voltage</b>	V	24
<b>Air flow with filter</b>	m <sup>3</sup> /h	245
<b>Operating temperature</b>	°C	-20 °C ~ +70 °C
<b>Relative humidity range</b>	-	0 - 95%
<b>Filtration efficiency</b>	-	Up to 73%
<b>Service (at 40 °C)</b>	h	50000
<b>Noise level</b>	dB	48
<b>Dimensions</b>	mm	255x255x117
<b>Thickness of the cabinet wall</b>	mm	2 - 3
<b>Cut-off dimensions</b>	mm	222x222
<b>Electrical connection</b>	-	Terminal
<b>Current consumption</b>	A	0.50
<b>Energy consumption</b>	W	12
<b>Static pressure</b>	Pa	95
<b>Overcurrent protection</b>	-	Impedance
<b>Protection rating EN 60529</b>	-	IP54
<b>Direction of flow</b>	-	From exterior to interior
<b>Reversible</b>	-	Yes
<b>Bearing</b>	-	Ball bearing
<b>Colour</b>	-	RAL 7035
<b>Material</b>	-	UL94 V0 ABS
<b>Filter material</b>	-	Nylon fibre 150 g/m <sup>3</sup>
<b>Seal</b>	-	Autoadhesive polyurethane
<b>Weight</b>	kg	1.30
<b>Assembly</b>	-	Quick-connect clip / Bolts
<b>Certificates</b>	-	CE, ROHS

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

## Dimensions



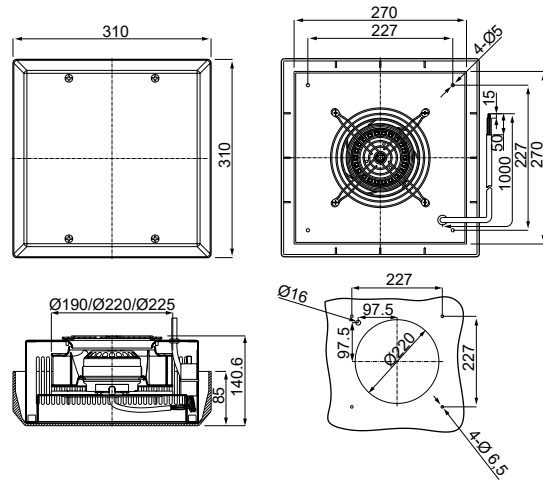
## Graphs



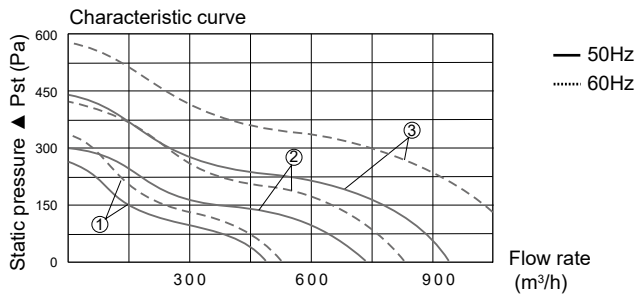
## IP54 Ceiling fan (484-1140 m<sup>3</sup>/h)



### Dimensions



### Graphs



Specifications	Units	Reference <b>VT484</b>		Reference <b>VT730</b>		Reference <b>VT1020</b>	
<b>Voltage</b>	V	230		230		230	
	Hz	50	60	50	60	50	60
<b>Air flow with filter</b>	m <sup>3</sup> /h	484	527	730	830	1020	1140
<b>Operating temperature</b>	°C	-20 °C ~ +80 °C		-20 °C ~ +80 °C		-20 °C ~ +80 °C	
<b>Relative humidity range</b>	-	0 - 95%		0 - 95%		0 - 95%	
<b>Service (at 40 °C)</b>	h	50000		50000		50000	
<b>Noise level</b>	dB	57	59	60	62	62	64
<b>Dimensions</b>	mm	310x310x140		310x310x140		310x310x140	
<b>Cut-off dimensions</b>	mm	Ø220		Ø220		Ø220	
<b>Electrical connection</b>	-	Cable		Cable		Cable	
<b>Current consumption</b>	A	0.26	0.33	0.46	0.51	0.60	0.74
<b>Energy consumption</b>	W	58	74	98	118	131	170
<b>Static pressure</b>	Pa	265	335	300	440	430	585
<b>Static pressure curve</b>	-	1		2		3	
<b>Overcurrent protection</b>	-	Thermal		Thermal		Thermal	
<b>Protection rating EN 60529</b>	-	IP54		IP54		IP54	
<b>Direction of flow</b>	-	From interior to exterior		From interior to exterior		From interior to exterior	
<b>Bearing</b>	-	Ball bearing		Ball bearing		Ball bearing	
<b>Material</b>	-	UL94 V0 ABS / Cast iron		UL94 V0 ABS / Cast iron		UL94 V0 ABS / Cast iron	
<b>Colour</b>	-	RAL 7035		RAL 7035		RAL 7035	
<b>Seal</b>	-	Autoadhesive polyurethane		Autoadhesive polyurethane		Autoadhesive polyurethane	
<b>Weight</b>	kg	4.80		5.23		5.70	
<b>Assembly</b>	-	Bolts		Bolts		Bolts	
<b>Certificates</b>	-	CE, ROHS		CE, ROHS		CE, ROHS	

# THERMAL MANAGEMENT

## Ventilation

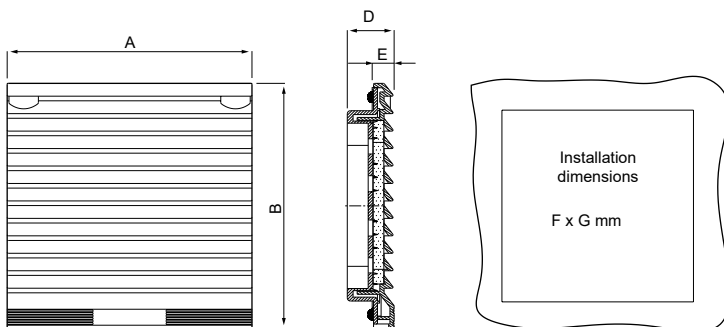
### Air filter grille (for VF fans)



Specifications	Units	Reference <b>RF93</b>
Dimensions (AxB)	mm	116.5x116.5
Dimensions (D-E)	mm	22-10
Cut-off dimensions (FxG)	mm	93x93
Filtration efficiency	-	Up to 73% (G2)
Operating temperature	°C	-20 °C ~ +70 °C
Relative humidity range	-	0 - 95%
Protection rating	-	IP54
Material	-	ABS + 150 g/m <sup>3</sup> nylon fibre
Colour	-	RAL 7035
Thickness of the cabinet wall	mm	2 - 3
Seal	-	Autoadhesive polyurethane
Assembly	-	Quick-connect clip / Bolts
Certificates	-	CE, ROHS

Specifications	Units	Reference <b>RF123</b>
Dimensions (AxB)	mm	148.5x148.5
Dimensions (D-E)	mm	27.5-10
Cut-off dimensions (FxG)	mm	122.5x122.5
Filtration efficiency	-	Up to 73% (G2)
Operating temperature	°C	-20 °C ~ +70 °C
Relative humidity range	-	0 - 95%
Protection rating	-	IP54
Material	-	ABS + 150 g/m <sup>3</sup> nylon fibre
Colour	-	RAL 7035
Thickness of the cabinet wall	mm	2 - 3
Seal	-	Autoadhesive polyurethane
Assembly	-	Quick-connect clip / Bolts
Certificates	-	CE, ROHS

### Dimensions





Specifications	Units	Reference <b>RF222</b>
Dimensions (AxB)	mm	255x255
Dimensions (D-E)	mm	30.5-13.5
Cut-off dimensions (FxG)	mm	222x222
Filtration efficiency	-	Up to 73% (G2)
Operating temperature	°C	-20 °C ~ +70 °C
Relative humidity range	-	0 - 95%
Protection rating	-	IP54
Material	-	ABS + 150 g/m <sup>3</sup> nylon fibre
Colour	-	RAL 7035
Thickness of the cabinet wall	mm	2 - 3
Seal	-	Autoadhesive polyurethane
Assembly	-	Quick-connect clip / Bolts
Certificates	-	CE, ROHS

Specifications	Units	Reference <b>RF290</b>
Dimensions (AxB)	mm	324x324
Dimensions (D-E)	mm	30.5-13.5
Cut-off dimensions (FxG)	mm	290x290
Filtration efficiency	-	Up to 73% (G2)
Operating temperature	°C	-20 °C ~ +70 °C
Relative humidity range	-	0 - 95%
Protection rating	-	IP54
Material	-	ABS + 150 g/m <sup>3</sup> nylon fibre
Colour	-	RAL 7035
Thickness of the cabinet wall	mm	2 - 3
Seal	-	Autoadhesive polyurethane
Assembly	-	Quick-connect clip / Bolts
Certificates	-	CE, ROHS

## Filtration meshes



Specifications	U	Reference <b>F93</b>	Reference <b>F123</b>	Reference <b>F222</b>	Reference <b>F290</b>
Grille dimensions	mm	116.5x116.5	148.5x148.5	255x255	324x324
Mesh dimensions	mm	85x85	115x115	215x215	285x285
Material	-	150 g/m <sup>3</sup> nylon fibre	150 g/m <sup>3</sup> nylon fibre	150 g/m <sup>3</sup> nylon fibre	150 g/m <sup>3</sup> nylon fibre

# THERMAL MANAGEMENT

## Heating

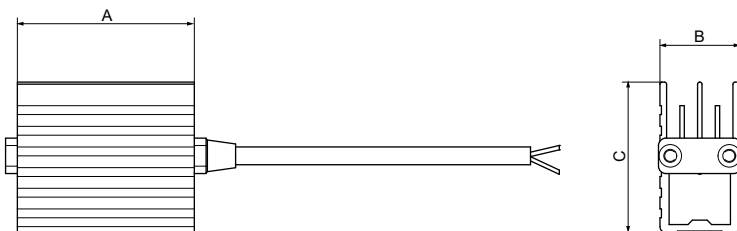
### Heating resistors without fan



Specifications	Units	Reference <b>RC15SV</b>
<b>Voltage</b>	V	100-250 AC DC
<b>Power</b>	W	15
<b>Maximum current</b>	A	2
<b>Dimensions (AxBxC)</b>	mm	68x27x56
<b>Weight</b>	kg	0.14
<b>Heater element</b>	-	PTC resistor
<b>Electrical connection</b>	cm	Cable 30 cm
<b>Protection rating</b>	-	IP20
<b>Protection class</b>	-	Class II
<b>Material</b>	-	Anodised aluminium profile
<b>Assembly</b>	-	Clip for DIN rail
<b>Service/storage temperature</b>	°C	-45 °C ~ +70 °C
<b>Overcurrent protection</b>	-	Thermal
<b>Certificates</b>	-	CE

Specifications	Units	Reference <b>RC25SV</b>
<b>Voltage</b>	V	100-250 AC DC
<b>Power</b>	W	25
<b>Maximum current</b>	A	2
<b>Dimensions (AxBxC)</b>	mm	70x27x50
<b>Weight</b>	kg	0.15
<b>Heater element</b>	-	PTC resistor
<b>Electrical connection</b>	cm	Cable 30 cm
<b>Protection rating</b>	-	IP20
<b>Protection class</b>	-	Class II
<b>Material</b>	-	Anodised aluminium profile
<b>Assembly</b>	-	Clip for DIN rail
<b>Service/storage temperature</b>	°C	-45 °C ~ +70 °C
<b>Overcurrent protection</b>	-	Thermal
<b>Certificates</b>	-	CE

## Dimensions



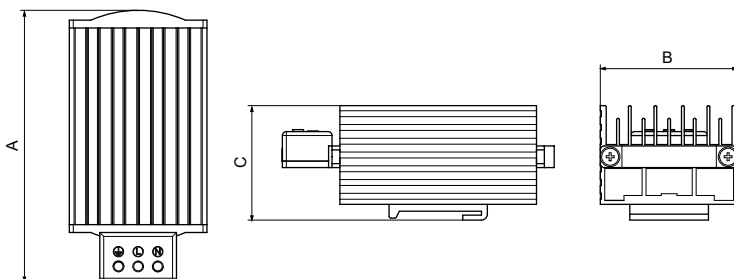
## Heating resistors without fan



Specifications	Units	Reference <b>RC50SV</b>
<b>Voltage</b>	V	100-250 AC DC
<b>Power</b>	W	50
<b>Maximum current</b>	A	2
<b>Dimensions (AxBxC)</b>	mm	100x70x50
<b>Weight</b>	kg	0.38
<b>Heater element</b>	-	PTC resistor
<b>Electrical connection</b>	-	Terminal
<b>Protection rating</b>	-	IP20
<b>Protection class</b>	-	Class II
<b>Material</b>	-	Anodised aluminium profile
<b>Assembly</b>	-	Clip for DIN rail
<b>Service/storage temperature</b>	°C	-45 °C ~ +70 °C
<b>Overcurrent protection</b>	-	Thermal
<b>Certificates</b>	-	CE

Specifications	Units	Reference <b>RC75SV</b>
<b>Voltage</b>	V	100-250 AC DC
<b>Power</b>	W	75
<b>Maximum current</b>	A	4
<b>Dimensions (AxBxC)</b>	mm	140x70x50
<b>Weight</b>	kg	0.49
<b>Heater element</b>	-	PTC resistor
<b>Electrical connection</b>	-	Terminal
<b>Protection rating</b>	-	IP20
<b>Protection class</b>	-	Class II
<b>Material</b>	-	Anodised aluminium profile
<b>Assembly</b>	-	Clip for DIN rail
<b>Service/storage temperature</b>	°C	-45 °C ~ +70 °C
<b>Overcurrent protection</b>	-	Thermal
<b>Certificates</b>	-	CE

## Dimensions





# THERMAL MANAGEMENT

## Heating

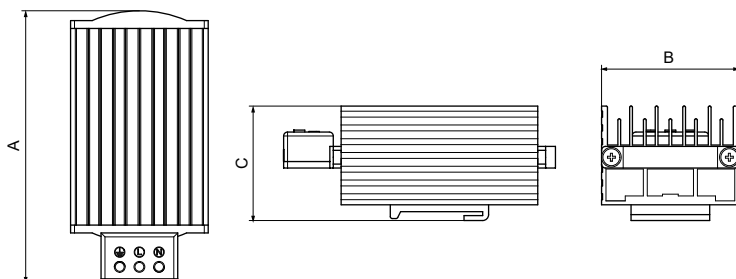
### Heating resistors without fan



Specifications	Units	Reference <b>RC100SV</b>
<b>Voltage</b>	V	100-250 AC DC
<b>Power</b>	W	100
<b>Maximum current</b>	A	4
<b>Dimensions (AxBxC)</b>	mm	150x70x50
<b>Weight</b>	kg	0.53
<b>Heater element</b>	-	PTC resistor
<b>Electrical connection</b>	-	Terminal
<b>Protection rating</b>	-	IP20
<b>Protection class</b>	-	Class II
<b>Material</b>	-	Anodised aluminium profile
<b>Assembly</b>	-	Clip for DIN rail
<b>Service/storage temperature</b>	°C	-45 °C ~ +70 °C
<b>Overcurrent protection</b>	-	Thermal
<b>Certificates</b>	-	CE

Specifications	Units	Reference <b>RC150SV</b>
<b>Voltage</b>	V	100-250 AC DC
<b>Power</b>	W	150
<b>Maximum current</b>	A	6
<b>Dimensions (AxBxC)</b>	mm	190x70x50
<b>Weight</b>	kg	0.66
<b>Heater element</b>	-	PTC resistor
<b>Electrical connection</b>	-	Terminal
<b>Protection rating</b>	-	IP20
<b>Protection class</b>	-	Class II
<b>Material</b>	-	Anodised aluminium profile
<b>Assembly</b>	-	Clip for DIN rail
<b>Service/storage temperature</b>	°C	-45 °C ~ +70 °C
<b>Overcurrent protection</b>	-	Thermal
<b>Certificates</b>	-	CE

## Dimensions



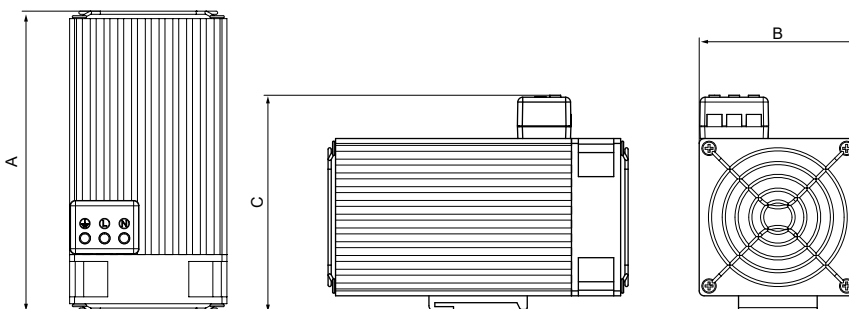
## Heating resistors with fan



Specifications	Units	Reference <b>RC250CV</b>	
<b>Voltage</b>	V	230	
	Hz	50	60
<b>Power</b>	W	250	
<b>Maximum current</b>	A	1.2	
<b>Dimensions (AxBxC)</b>	mm	155x81x110	
<b>Fan dimensions</b>	mm	80x80x25	
<b>Weight</b>	kg	1.03	
<b>Fan air flow</b>	m <sup>3</sup> /h	35	
<b>Heater element</b>	-	Resistor	
<b>Electrical connection</b>	-	Terminal	
<b>Protection rating</b>	-	IP20	
<b>Protection class</b>	-	Class I	
<b>Material</b>	-	Anodised aluminium profile	
<b>Assembly</b>	-	Clip for DIN rail	
<b>Service/storage temperature</b>	°C	-25 °C ~ +70 °C	
<b>Overcurrent protection</b>	-	Thermal	
<b>Certificates</b>	-	CE	

Specifications	Units	Reference <b>RC500CV</b>	
<b>Voltage</b>	V	230	
	Hz	50	60
<b>Power</b>	W	500	
<b>Maximum current</b>	A	2.4	
<b>Dimensions (AxBxC)</b>	mm	185x81x110	
<b>Fan dimensions</b>	mm	80x80x25	
<b>Weight</b>	kg	1.22	
<b>Fan air flow</b>	m <sup>3</sup> /h	35	
<b>Heater element</b>	-	Resistor	
<b>Electrical connection</b>	-	Terminal	
<b>Protection rating</b>	-	IP20	
<b>Protection class</b>	-	Class I	
<b>Material</b>	-	Anodised aluminium profile	
<b>Assembly</b>	-	Clip for DIN rail	
<b>Service/storage temperature</b>	°C	-25 °C ~ +70 °C	
<b>Overcurrent protection</b>	-	Thermal	
<b>Certificates</b>	-	CE	

## Dimensions



# THERMAL MANAGEMENT

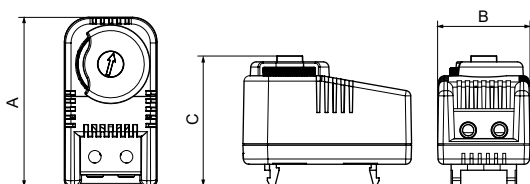
## Heating

### Thermostats

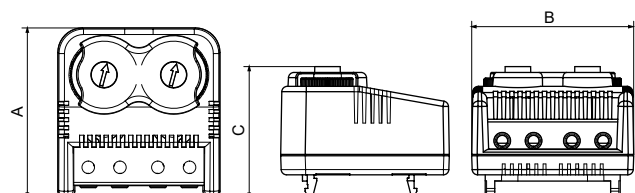


Specifications	Units	Reference <b>TS01</b>	Reference <b>TS02</b>	Reference <b>TD03</b>
<b>Contact</b>	-	NC	NA	NC+NA
<b>Temperature range</b>	°C	0 - 60	0 - 60	0 - 60
<b>Dimensions (AxBxC)</b>	mm	62x40x47	62x40x47	62x59x42
<b>Weight</b>	g	50	50	90
<b>Sensor type</b>	-	Bimetal	Bimetal	Bimetal
<b>Contact type</b>	-	Fast action	Fast action	Fast action
<b>Service</b>	Cycles	>100000	>100000	>100000
<b>Electrical connection</b>	-	2-pole terminal	2-pole terminal	4-pole terminal
<b>Protection rating</b>	-	IP20	IP20	IP20
<b>Material</b>	-	UL94 V0 ABS	UL94 V0 ABS	UL94 V0 ABS
<b>Assembly</b>	-	Clip for DIN rail	Clip for DIN rail	Clip for DIN rail
<b>Service temperature</b>	°C	-25 °C ~ +80 °C	-25 °C ~ +80 °C	-25 °C ~ +80 °C
<b>Storage temperature</b>	°C	-45 °C ~ +80 °C	-45 °C ~ +80 °C	-45 °C ~ +80 °C
<b>Certificates</b>	-	CE	CE	CE

### Dimensions TS01 - TS02



### Dimensions TD03



## Hygrostat



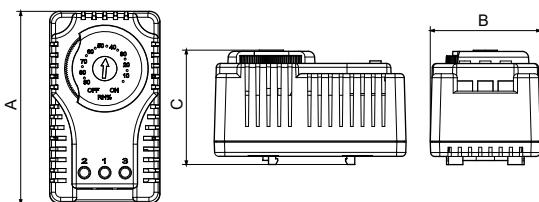
Specifications	Units	Reference <b>HG02</b>
<b>Voltage</b>	V	110-250
	Hz	50-60
<b>Relative humidity range</b>	%RH	10-90
<b>Dimensions (AxBxC)</b>	mm	94x54x56
<b>Weight</b>	kg	0.16
<b>Sensor type</b>	-	Polyamide belt
<b>Electrical connection</b>	-	3-pole terminal
<b>Cable cross section</b>	mm <sup>2</sup>	0.75-4
<b>Protection rating</b>	-	IP20
<b>Assembly</b>	-	Clip for DIN rail
<b>Service temperature</b>	°C	+10 °C ~ +60 °C
<b>Storage temperature</b>	°C	+10 °C ~ +60 °C
<b>Certificates</b>	-	CE

## Hygrotherm



Specifications	Units	Reference <b>HT310</b>
<b>Voltage</b>	V	100-220
	Hz	50-60
<b>Consumption</b>	VA	< 6
<b>Dimensions</b>	mm	36x84x86
<b>Weight</b>	kg	0.19
<b>Display</b>	-	3-digit with 7 segments
<b>Sensor type</b>	-	Digital temperature / humidity sensor
<b>Temperature range</b>	°C	-19 °C ~ +80 °C
<b>Relative humidity range</b>	%RH	5-95
<b>Resolution</b>	-	+0.1 °C +1%RH
<b>Precision</b>	%	+1% °C +3% RH
<b>Protection class</b>	-	Class II
<b>°C Out output</b>	-	Relay (NA+NC) 250V AC 2A resistive load
<b>%RH Out output</b>	-	Relay (NA) 250V AC 2A resistive load
<b>Service temperature</b>	°C	0 °C ~ +50 °C
<b>Assembly</b>	-	Panel

## Dimensions HG02



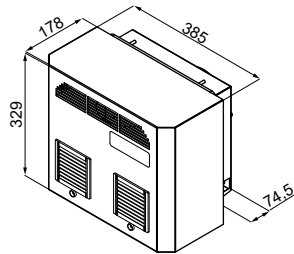
# THERMAL MANAGEMENT

## Refrigeration

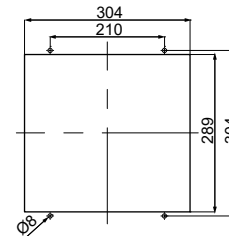
### Surface air conditioners



#### Dimensions

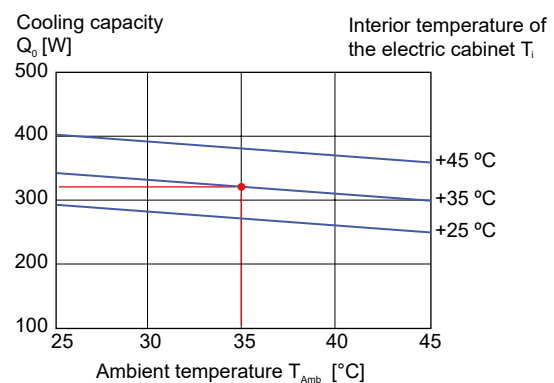


#### Cut-off dimensions



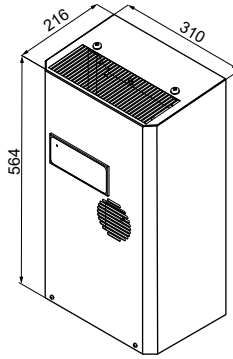
Specifications	Units	Reference <b>AS340/230</b>
<b>Voltage</b>	V	230
	Hz	50    60
<b>Cooling power</b>	A35/A35	320
	A35/A50	300
<b>Absorbed electric power</b>	A35/A35	230
<b>Absorbed current</b>	A35/A35	1.6
<b>Start-up current</b>	-	11.7    10.9
<b>T fuse</b>	-	6
<b>Air flow with free nozzle</b>	Interior	282
	Exterior	282
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	< 62
<b>Weight (without packaging)</b>	-	17
<b>Dimensions (Height x Width x Depth)</b>	-	329x385x178
<b>Ambient temperature range</b>	-	+15 °C ~ +45 °C
<b>Regulation field (adjustable)</b>	-	+25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	350
<b>Useful work cycle</b>	-	100
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

#### Graphs

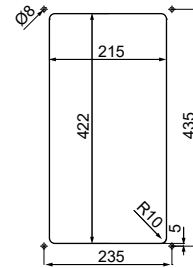


Separation of compensation fluid by discharging.  
 Compact design, for small control and command cabinets.  
 Integrated fault signal contact and door contact.  
 Diagnostics message via status indicator.

## Dimensions

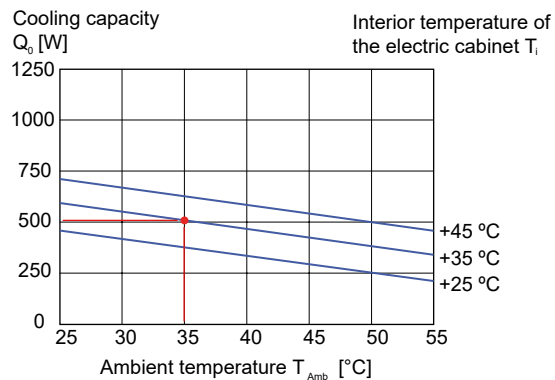


## Cut-off dimensions



Specifications	Units	Reference AS580/230
<b>Voltage</b>	V	230
	Hz	50    60
<b>Cooling power</b>	A35/A35	510
	A35/A50	365    395
<b>Absorbed electric power</b>	A35/A35	283    337
<b>Absorbed current</b>	A35/A35	1.58    1.64
<b>Start-up current</b>	-	A    14.31    13.8
<b>T fuse</b>	-	A    6
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h    280
	Exterior	m <sup>3</sup> /h    345
<b>Connection type</b>	-	-    Plug-in connector
<b>Noise level</b>	-	dB    < 63
<b>Weight (without packaging)</b>	-	kg    22
<b>Dimensions (Height x Width x Depth)</b>	-	mm    564x310x216
<b>Ambient temperature range</b>	-	°C    +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C    +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g    250
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	-    Galvanised steel
<b>Colour</b>	-	RAL    7035

## Graphs



Separation of compensation fluid by discharging.  
 Suitable for doors over 400 mm wide.  
 Wide space between the suction and discharge openings.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 Integrated fault signal control and door contact.

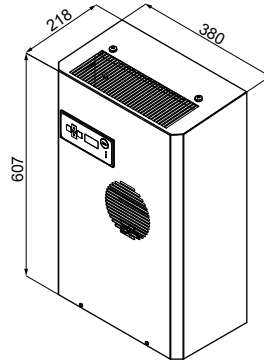
# THERMAL MANAGEMENT

## Refrigeration

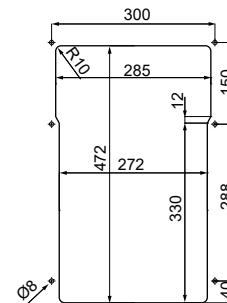
### Surface air conditioners



#### Dimensions

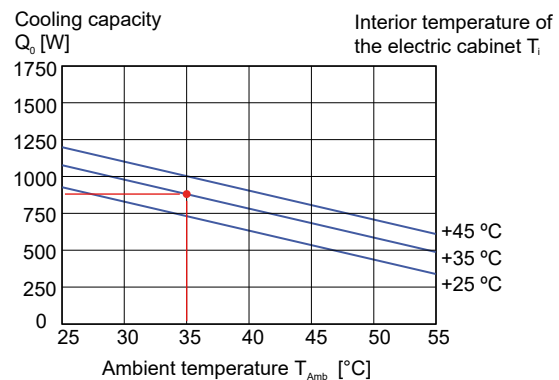


#### Cut-off dimensions



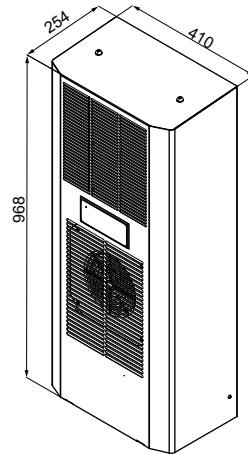
Specifications	Units	Reference <b>AS870/230</b>
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	870
	A35/A50	580
<b>Absorbed electric power</b>	A35/A35	524 634
<b>Absorbed current</b>	A35/A35	3.06 3.34
<b>Start-up current</b>	-	22.16 24.15
<b>T fuse</b>	-	10
<b>Air flow with free nozzle</b>	Interior	570
	Exterior	570
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	< 63
<b>Weight (without packaging)</b>	-	29.5
<b>Dimensions (Height x Width x Depth)</b>	-	607x380x218
<b>Ambient temperature range</b>	-	+15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	+25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 400
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

#### Graphs

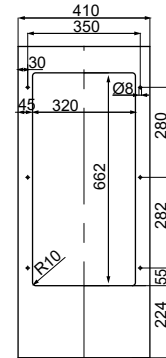


Integrated condensation fluid evaporation system with filler alarms.  
 Suitable for doors over 400 mm wide.  
 Wide space between the suction and discharge openings.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 Integrated fault signal control and door contact.

## Dimensions

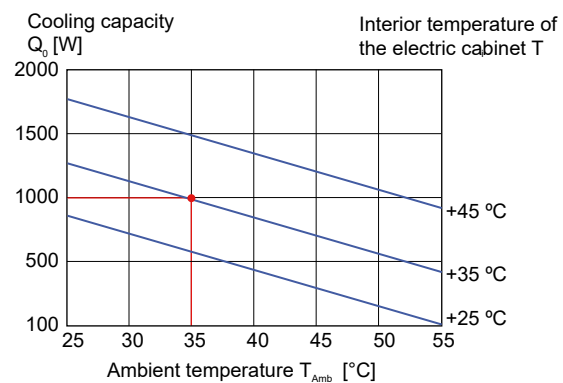


## Cut-off dimensions



Specifications	Units	Reference AS1000/230
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	1000
	A35/A50	590
<b>Absorbed electric power</b>	A35/A35	445 560
<b>Absorbed current</b>	A35/A35	2.4 2.9
<b>Start-up current</b>	-	9.1
<b>T fuse</b>	-	6
<b>Air flow with free nozzle</b>	Interior	885
	Exterior	885
<b>Cooling power coefficient</b>	$\xi_{ke} = (Q_c/P)$ COP	2.2
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	-
<b>Weight (without packaging)</b>	-	40
<b>Dimensions (Height x Width x Depth)</b>	-	968x410x254
<b>Ambient temperature range</b>	-	+15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	+25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 580
	Towards the cabinet	IP54
<b>Protection rating</b>	Towards the atmosphere	IP34
	-	-
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

## Graphs



Integrated condensation fluid evaporation system with filler alarms.  
 Compact design and easily re-paintable covers.  
 Very high energy efficiency and easy maintenance.  
 Wide space between the suction and discharge openings.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.



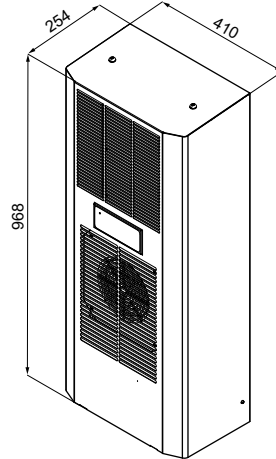
# THERMAL MANAGEMENT

## Refrigeration

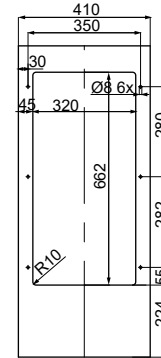
### Surface air conditioners



#### Dimensions

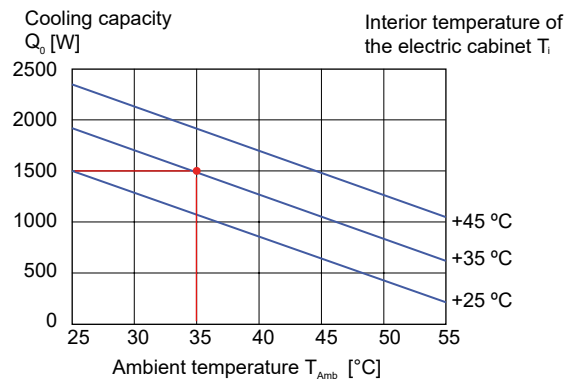


#### Cut-off dimensions



Specifications	Units	Reference AS1500/230
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	1500
	A35/A50	850
<b>Absorbed electric power</b>	A35/A35	705 820
<b>Absorbed current</b>	A35/A35	5 5.2
<b>Start-up current</b>	A35/A35	16
<b>T fuse</b>	-	A 6
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h 885
	Exterior	m <sup>3</sup> /h 885
<b>Cooling power coefficient</b>	$\epsilon_{ke} = (Q_c/P)$ COP	2.1
<b>Connection type</b>	-	- Plug-in connector
<b>Noise level</b>	-	- dB -
<b>Weight (without packaging)</b>	-	- kg 40
<b>Dimensions (Height x Width x Depth)</b>	-	- mm 968x410x254
<b>Ambient temperature range</b>	-	- °C +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	- °C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 580
	Towards the cabinet	IP54
<b>Protection rating</b>	Towards the atmosphere	IP34
<b>Materials</b>	-	- Galvanised steel
<b>Colour</b>	-	- RAL 7035

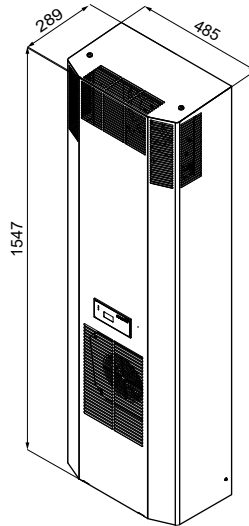
#### Graphs



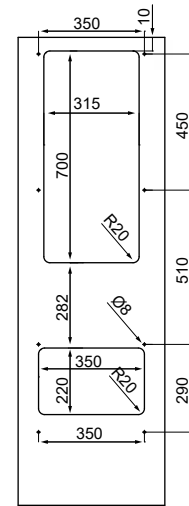
Integrated condensation fluid evaporation system with filler alarms.  
 Compact design and easily re-paintable covers.  
 Wide space between the suction and discharge openings.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.  
 Very high energy efficiency and easy maintenance.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.



## Dimensions

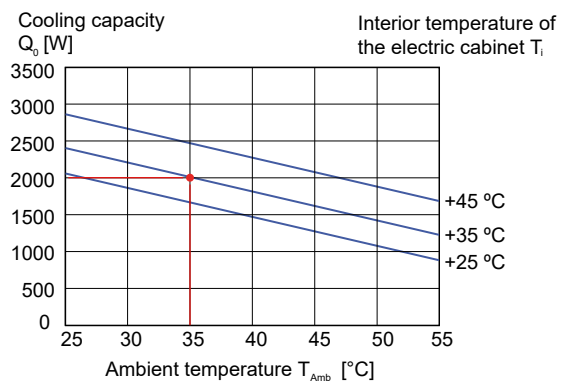


## Cut-off dimensions



Specifications	Units	Reference
		<b>AS2000/230</b>
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	2000
	A35/A50	1440
<b>Absorbed electric power</b>	A35/A35	1047 1273
<b>Absorbed current</b>	A35/A35	5.45 6
<b>Start-up current</b>	A35/A35	21.4
<b>T fuse</b>	-	A 16
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h 935
	Exterior	m <sup>3</sup> /h 1260
<b>Cooling power coefficient</b>	$\epsilon_{ke} = [Q_0/P]$ COP	1.91
<b>Connection type</b>	-	- Plug-in connector
<b>Noise level</b>	-	dB < 65
<b>Weight (without packaging)</b>	-	kg 71
<b>Dimensions (Height x Width x Depth)</b>	-	mm 1547x485x289
<b>Ambient temperature range</b>	-	°C +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 1200
	Towards the cabinet	IP54
<b>Protection rating</b>	Towards the atmosphere	IP34
<b>Materials</b>	-	- Galvanised steel
<b>Colour</b>	-	RAL 7035

## Graphs



Integrated condensation fluid evaporation system with filler alarms.  
 Very high energy efficiency and easy maintenance.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.

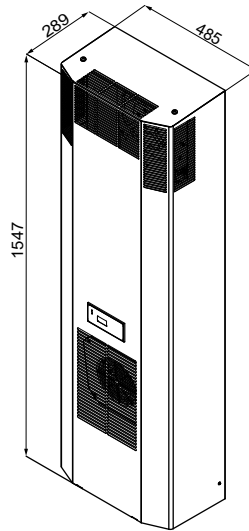
# THERMAL MANAGEMENT

## Refrigeration

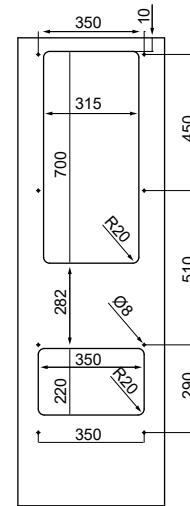
### Surface air conditioners



#### Dimensions

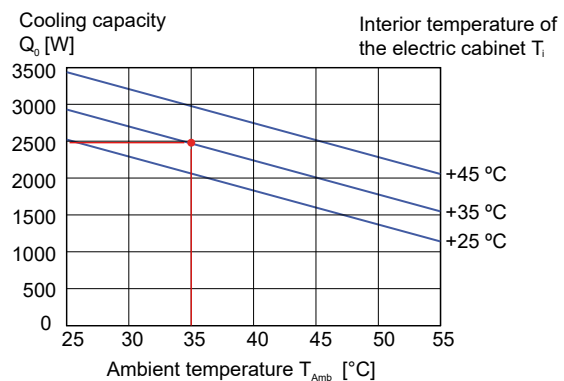


#### Cut-off dimensions



Specifications	Units	Reference	AS2500/400	
Voltage	-	V3~	400	460
		Hz	50	60
Cooling power	A35/A35	W	2500	
	A35/A50		1800	
Absorbed electric power	A35/A35	W	1048	1247
Absorbed current	A35/A35	A	3.27	3.1
Start-up current	A35/A35	A	16	
T fuse	-	A	16	
Air flow with free nozzle	Interior	m <sup>3</sup> /h	935	
	Exterior		1260	
Cooling power coefficient	$\epsilon_{ke} = [Q_c/P]$	COP	2.39	
Connection type	-	-	Plug-in connector	
Noise level	-	dB	< 65	
Weight (without packaging)	-	kg	71	
Dimensions (Height x Width x Depth)	-	mm	1547x485x289	
Ambient temperature range	-	°C	+15 °C ~ +55 °C	
Regulation field (adjustable)	-	°C	+25 °C ~ +45 °C factory settings +35 °C	
Coolant	R134a	g	1400	
		Towards the cabinet	IP54	
Protection rating		Towards the atmosphere	IP34	
Materials	-	-	Galvanised steel	
Colour	-	RAL	7035	

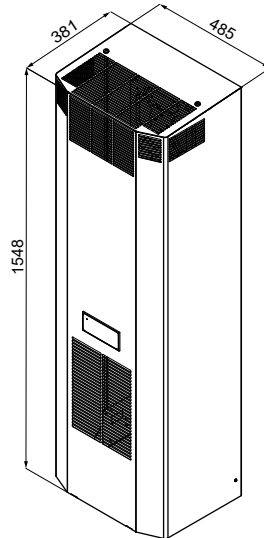
#### Graphs



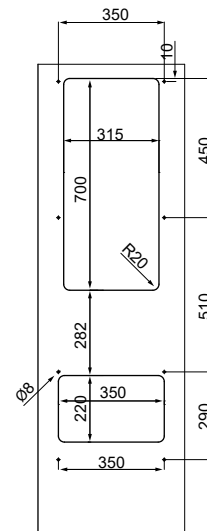
Integrated condensation fluid evaporation system with filler alarms.  
 Very high energy efficiency and easy maintenance.  
 Wide space between the suction and discharge openings.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.



## Dimensions

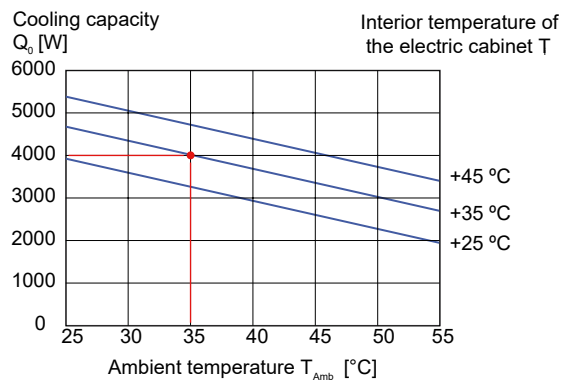


## Cut-off dimensions



Specifications	Units	Reference <b>AS4000/400</b>
<b>Voltage</b>	-	V3~ 400 460
	-	Hz 50 60
<b>Cooling power</b>	A35/A35	4000
	A35/A50	3050
<b>Absorbed electric power</b>	A35/A35	1918 2369
<b>Absorbed current</b>	A35/A35	4.5 4.6
<b>Start-up current</b>	A35/A35	28.3
<b>T fuse</b>	-	A 16
<b>Air flow with free nozzle</b>	Interior	1450
	Exterior	m <sup>3</sup> /h 1450
<b>Cooling power coefficient</b>	$\epsilon_{ke} = (Q_c/P)$ COP	2.09
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	dB < 70
<b>Weight (without packaging)</b>	-	kg 95
<b>Dimensions (Height x Width x Depth)</b>	-	mm 1548x485x381
<b>Ambient temperature range</b>	-	°C +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 2000
	Towards the cabinet	IP54
<b>Protection rating</b>	Towards the atmosphere	IP34
	-	-
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

## Graphs



Integrated condensation fluid evaporation system with filler alarms.  
 Very high energy efficiency and easy maintenance.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 USB port for easy recovery of parameter settings and history.

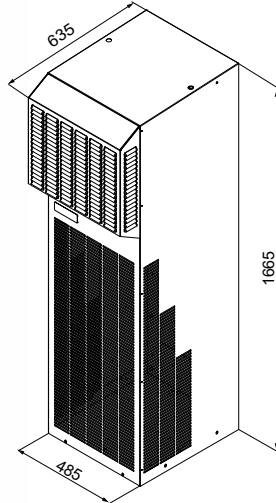
# THERMAL MANAGEMENT

## Refrigeration

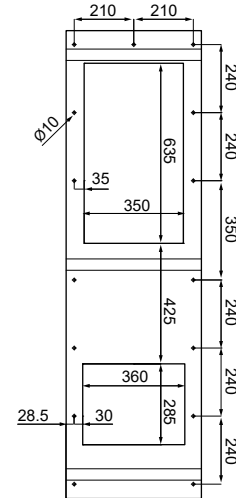
### Surface air conditioners



#### Dimensions

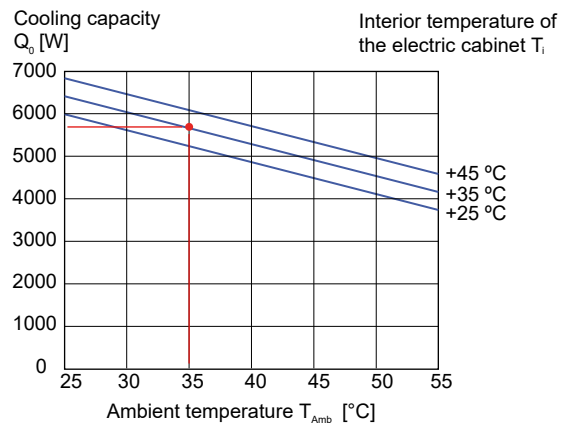


#### Cut-off dimensions



Specifications	Units	Reference <b>AS5800/400</b>
<b>Voltage</b>	-	V3~ 400 460
	-	Hz 50 60
<b>Cooling power</b>	A35/A35	5215.5
	A35/A50	4209
<b>Absorbed electric power</b>	A35/A35	2920
<b>Absorbed current</b>	A35/A35	6.3
<b>Start-up current</b>	A35/A35	25
<b>T fuse</b>	-	A 15
<b>Air flow with free nozzle</b>	Interior	2365
	Exterior	2365
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	dB < 73
<b>Weight (without packaging)</b>	-	kg 108
<b>Dimensions (Height x Width x Depth)</b>	-	mm 1665x485x635
<b>Ambient temperature range</b>	-	°C 0 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 1300
<b>Useful work cycle</b>	-	% 100
<b>Protection rating</b>	Towards the cabinet	IP56
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

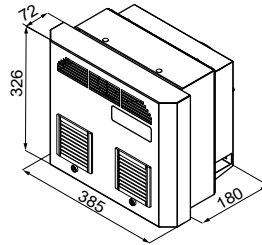
#### Graphs



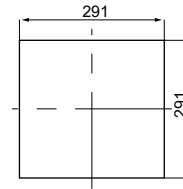
Integrated condensation fluid evaporation system with filler alarms.  
 Recommended for use in food industry.  
 Wide space between the suction and discharge openings.  
 Capacitor with high vane separation for effective protection in a significantly contaminated.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 NEMA type 3R/4 with UL certificate.

## Semi-recessed air conditioners

### Dimensions

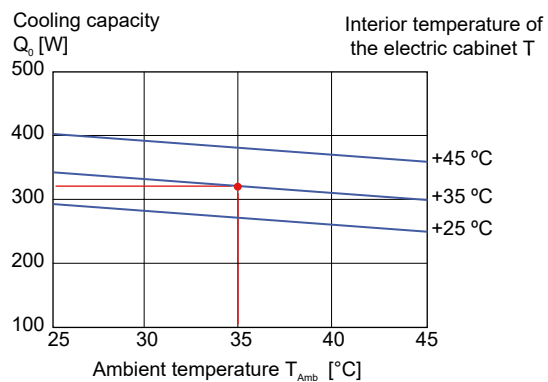


### Cut-off dimensions



Specifications	Units	Reference <b>ASE340/230</b>
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	320 340
	A35/A50	300 330
<b>Absorbed electric power</b>	A35/A35	230 240
<b>Absorbed current</b>	A35/A35	1.6
<b>Start-up current</b>	A35/A35	11.7 10.9
<b>T fuse</b>	-	A 6
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h 282
	Exterior	m <sup>3</sup> /h 282
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	dB < 62
<b>Weight (without packaging)</b>	-	kg 16
<b>Dimensions (Height x Width x Depth)</b>	-	mm 326x385x72
<b>Interior depth</b>	-	mm 180
<b>Ambient temperature range</b>	-	°C +15 °C ~ +45 °C
<b>Regulation field (adjustable)</b>	-	°C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 350
<b>Useful work cycle</b>	-	% 100
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

### Graphs



For lateral partially recessed installation or in door.  
Separation of compensation fluid by discharging.  
Quick and easy installation without holes.  
Contained installation height to fit any type of cabinet.  
Integrated fault signal control and door contact.

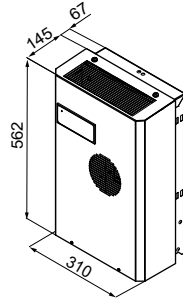
# THERMAL MANAGEMENT

## Refrigeration

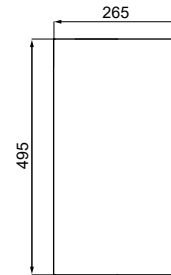
### Semi-recessed air conditioners



#### Dimensions

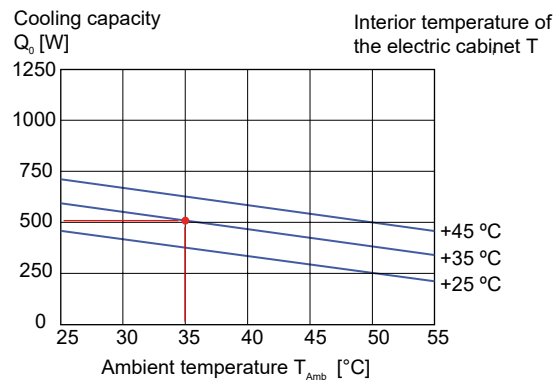


#### Cut-off dimensions



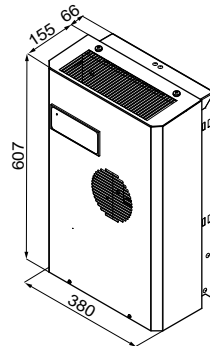
Specifications	Units	Reference ASE580/230
<b>Voltage</b>	V	230
	Hz	50    60
<b>Cooling power</b>	A35/A35	510
	A35/A50	365    395
<b>Absorbed electric power</b>	A35/A35	283    337
<b>Absorbed current</b>	A35/A35	1.58    1.64
<b>Start-up current</b>	A35/A35	14.31    13.8
<b>T fuse</b>	-	A    6
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h    280
	Exterior	m <sup>3</sup> /h    345
<b>Connection type</b>	-	-    Plug-in connector
<b>Noise level</b>	-	dB    < 63
<b>Weight (without packaging)</b>	-	kg    21
<b>Dimensions (Height x Width x Depth)</b>	-	mm    562x310x145
<b>Interior depth</b>	-	mm    67
<b>Ambient temperature range</b>	-	°C    +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C    +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g    250
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	-    Galvanised steel
<b>Colour</b>	-	RAL    7035

#### Graphs

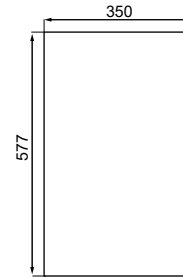


For lateral partially recessed installation or in door.  
 Separation of compensation fluid by discharging.  
 Suitable for doors over 400 mm wide.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 Integrated fault signal control and door contact.  
 Quick and easy installation without holes.

## Dimensions

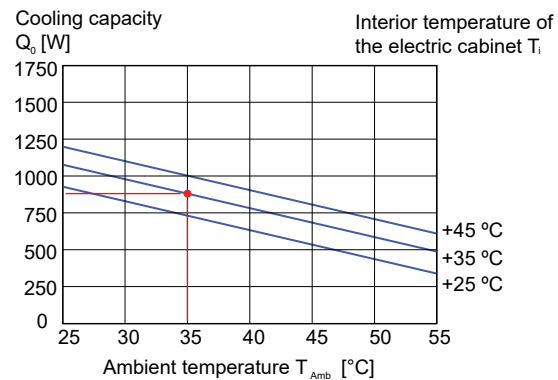


## Cut-off dimensions



Specifications	Units		Reference ASE870/230	
<b>Voltage</b>	-	V	230	
	-	Hz	50	60
<b>Cooling power</b>	A35/A35	W	870	
	A35/A50		580	
<b>Absorbed electric power</b>	A35/A35	W	524	634
<b>Absorbed current</b>	A35/A35	A	3.06	3.34
<b>Start-up current</b>	A35/A35	A	22.16	24.15
<b>T fuse</b>	-	A	10	
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h	570	
	Exterior		570	
<b>Connection type</b>	-	-	Plug-in connector	
<b>Noise level</b>	-	dB	< 63	
<b>Weight (without packaging)</b>	-	kg	29.5	
<b>Dimensions (Height x Width x Depth)</b>	-	mm	607x380x155	
<b>Interior depth</b>	-	mm	66	
<b>Ambient temperature range</b>	-	°C	+15 °C ~ +55 °C	
<b>Regulation field (adjustable)</b>	-	°C	+25 °C ~ +45 °C factory settings +35 °C	
<b>Coolant</b>	R134a	g	400	
<b>Protection rating</b>	Towards the cabinet		IP54	
	Towards the atmosphere		IP34	
<b>Materials</b>	-	-	Galvanised steel	
<b>Colour</b>	-	RAL	7035	

## Graphs



For lateral partially recessed installation or in door.  
 Integrated condensation fluid evaporation system with filler alarms.  
 Wide space between the suction and discharge openings.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 Integrated fault signal control and door contact.  
 Quick and easy installation without holes.

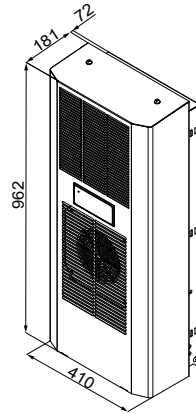


# THERMAL MANAGEMENT

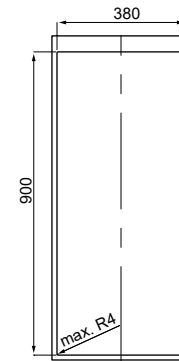
## Refrigeration

### Semi-recessed air conditioners

#### Dimensions

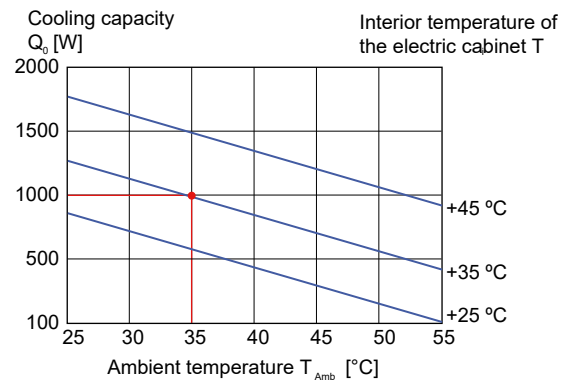


#### Cut-off dimensions



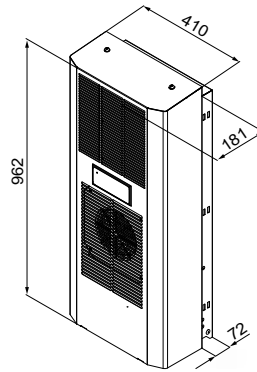
Specifications	Units	Reference ASE1000/230
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	1000
	A35/A50	590
<b>Absorbed electric power</b>	A35/A35	445 560
<b>Absorbed current</b>	A35/A35	2.4 2.9
<b>Start-up current</b>	A35/A35	9.1
<b>T fuse</b>	-	A 6
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h 885
	Exterior	m <sup>3</sup> /h 885
<b>Cooling power coefficient</b>	$\epsilon_{ke} = (Q_c/P)$ COP	2.2
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	dB -
<b>Weight (without packaging)</b>	-	kg 40
<b>Dimensions (Height x Width x Depth)</b>	-	mm 962x410x181
<b>Interior depth</b>	-	mm 72
<b>Ambient temperature range</b>	-	°C +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 580
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

#### Graphs

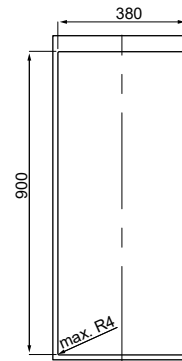


For lateral partially recessed installation or in door.  
 Integrated condensation fluid evaporation system with filler alarms.  
 Compact design, for small control and command cabinets.  
 Wide space between suction and discharge openings.  
 Very high efficiency and easy maintenance.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.

## Dimensions

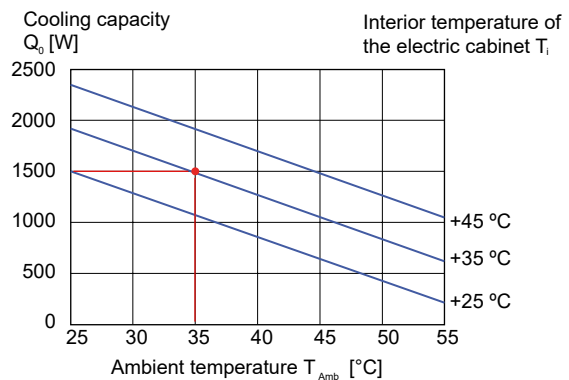


## Cut-off dimensions



Specifications	Units	Reference ASE1500/230
Voltage	V	230
	Hz	50 60
Cooling power	A35/A35	1500
	A35/A50	850
Absorbed electric power	A35/A35 W	705 820
Absorbed current	A35/A35 A	5 5.2
Start-up current	A35/A35 A	16
T fuse	- A	6
Air flow with free nozzle	Interior	885
	Exterior	885
Cooling power coefficient	$\epsilon_{ke} = (Q_c/P)$ COP	2.1
Connection type	-	Plug-in connector
Noise level	- dB	-
Weight (without packaging)	- kg	40
Dimensions (Height x Width x Depth)	- mm	962x410x181
Interior depth	- mm	72
Ambient temperature range	- °C	+15 °C ~ +55 °C
Regulation field (adjustable)	- °C	+25 °C ~ +45 °C factory settings +35 °C
Coolant	R134a g	580
Protection rating	Towards the cabinet	IP54
	Towards the atmosphere	IP34
Materials	-	Galvanised steel
Colour	- RAL	7035

## Graphs



For lateral partially recessed installation or in door.  
 Integrated condensation fluid evaporation system with filler alarms.  
 Compact design and easily re-paintable covers.  
 Wide space between the suction and discharge openings.  
 Very high efficiency and easy maintenance.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.

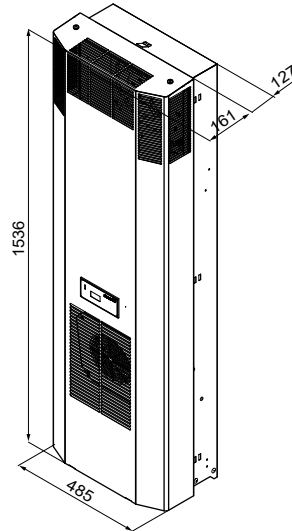
# THERMAL MANAGEMENT

## Refrigeration

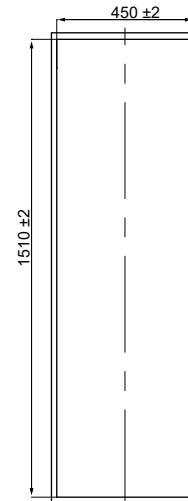
### Semi-recessed air conditioners



#### Dimensions

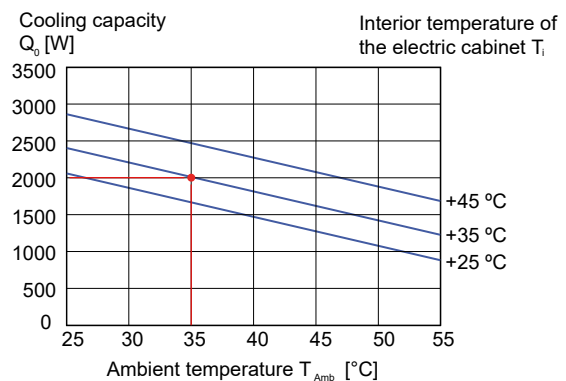


#### Cut-off dimensions



Specifications	Units	Reference <b>ASE2000/230</b>
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	2000
	A35/A50	1440
<b>Absorbed electric power</b>	A35/A35	1047 1273
<b>Absorbed current</b>	A35/A35	5.45 6
<b>Start-up current</b>	A35/A35	21.4
<b>T fuse</b>	-	16
<b>Air flow with free nozzle</b>	Interior	935
	Exterior	1260
<b>Cooling power coefficient</b>	$\epsilon_{ke}=(Q_c/P)$ COP	1.91
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	< 65
<b>Weight (without packaging)</b>	-	67
<b>Dimensions (Height x Width x Depth)</b>	-	1536x485x161
<b>Interior depth</b>	-	127
<b>Ambient temperature range</b>	-	+15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	+25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 1200
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

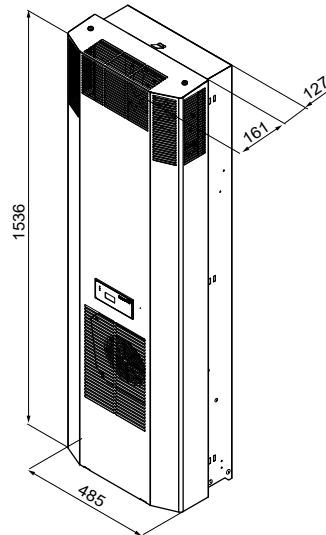
#### Graphs



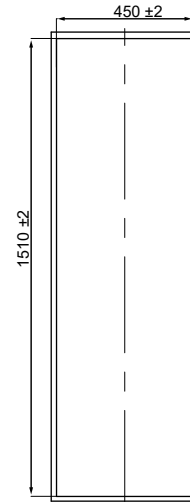
For lateral partially recessed installation or in door.  
 Integrated condensation fluid evaporation system with filler alarms.  
 Wide space between the suction and discharge openings.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 Very high energy efficiency and easy maintenance.



## Dimensions

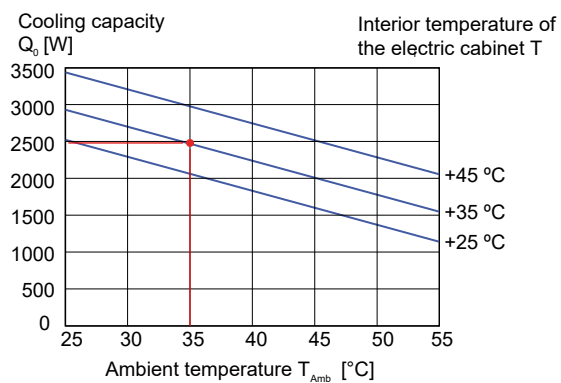


## Cut-off dimensions



Specifications	Units	Reference <b>ASE2500/400</b>
<b>Voltage</b>	-	V3~ 400 460
	-	Hz 50 60
<b>Cooling power</b>	A35/A35	2500
	A35/A50	1800
<b>Absorbed electric power</b>	A35/A35	1048 1247
<b>Absorbed current</b>	A35/A35	3.27 3.1
<b>Start-up current</b>	A35/A35	16
<b>T fuse</b>	-	16
<b>Air flow with free nozzle</b>	Interior	935
	Exterior	1260
<b>Cooling power coefficient</b>	$\xi_{ke}=(Q_c/P)$ COP	2.39
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	dB < 65
<b>Weight (without packaging)</b>	-	kg 67
<b>Dimensions (Height x Width x Depth)</b>	-	mm 1536x485x161
<b>Interior depth</b>	-	mm 127
<b>Ambient temperature range</b>	-	°C +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 1400
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

## Graphs



For lateral partially recessed installation or in door.  
 Integrated condensation fluid evaporation system with filler alarms.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 Very high energy efficiency and easy maintenance.  
 USB port for easy recovery of parameter settings and history.

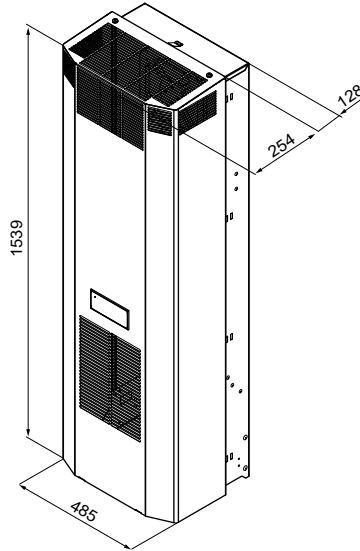
# THERMAL MANAGEMENT

## Refrigeration

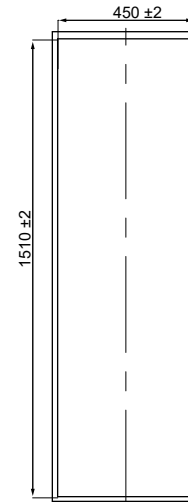
### Semi-recessed air conditioners



#### Dimensions

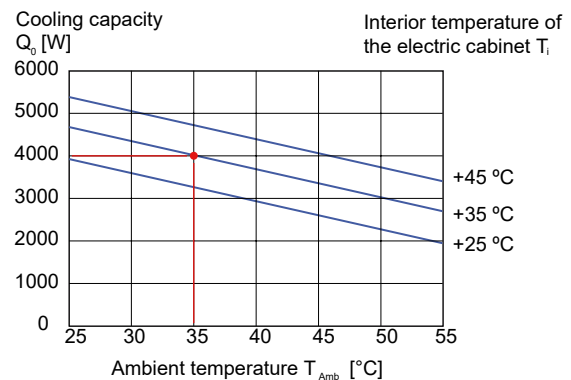


#### Cut-off dimensions



Specifications	Units	Reference <b>ASE4000/400</b>
<b>Voltage</b>	-	V3~ 400 460
	-	Hz 50 60
<b>Cooling power</b>	A35/A35	4000
	A35/A50	3050
<b>Absorbed electric power</b>	A35/A35 W	1918 2369
<b>Absorbed current</b>	A35/A35 A	4.5 4.6
<b>Start-up current</b>	A35/A35 A	28.3
<b>T fuse</b>	- A	16
<b>Air flow with free nozzle</b>	Interior	1450
	Exterior	1450
<b>Cooling power coefficient</b>	$\epsilon_{ke} = (Q_c/P)$ COP	2.09
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	- dB	< 70
<b>Weight (without packaging)</b>	- kg	91
<b>Dimensions (Height x Width x Depth)</b>	- mm	1539x485x254
<b>Interior depth</b>	- mm	128
<b>Ambient temperature range</b>	- °C	+15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	- °C	+25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a g	2000
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	- RAL	7035

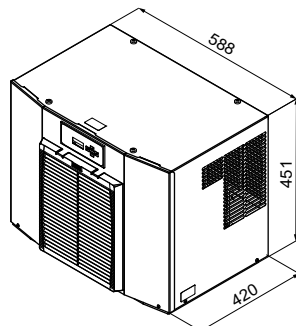
#### Graphs



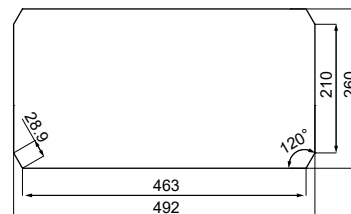
For lateral partially recessed installation or in door.  
 Integrated condensation fluid evaporation system with filler alarms.  
 Wide space between the suction and discharge openings.  
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 Very high energy efficiency and easy maintenance.

## Ceiling air conditioners

### Dimensions

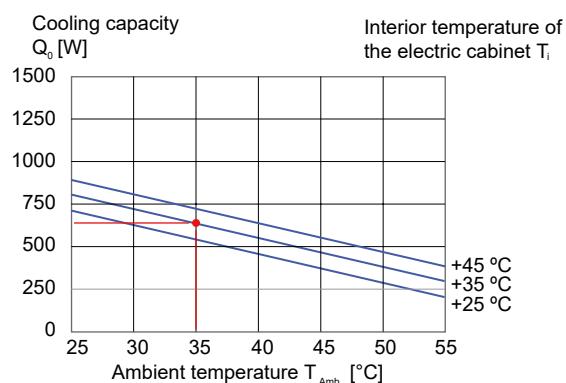


### Cut-off dimensions



Specifications	Units	Reference <b>AT600/230</b>
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	640
	A35/A50	370 400
<b>Absorbed electric power</b>	A35/A35	450 540
<b>Absorbed current</b>	A35/A35	2.1 2.3
<b>Start-up current</b>	A35/A35	19.7 23
<b>T fuse</b>	-	A 10
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h 570 590
	Exterior	- -
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	dB < 62
<b>Weight (without packaging)</b>	-	kg 33
<b>Dimensions (Height x Width x Depth)</b>	-	mm 451x588x420
<b>Ambient temperature range</b>	-	°C +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 400
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

### Graphs



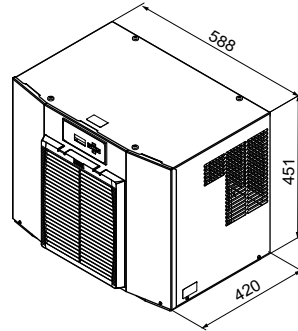
Integrated condensation fluid evaporation system with filler alarms.  
 Safety and protection against condensation fluid.  
 Easy to assemble, does not require special tools.  
 Easy to maintain, fully-removable cover, easy access to control and filter elements.  
 Energy efficiency with 20% savings.

# THERMAL MANAGEMENT

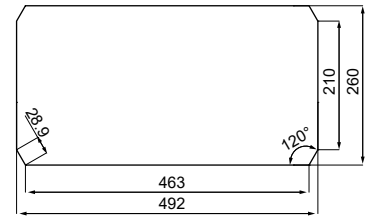
## Refrigeration

### Ceiling air conditioners

#### Dimensions

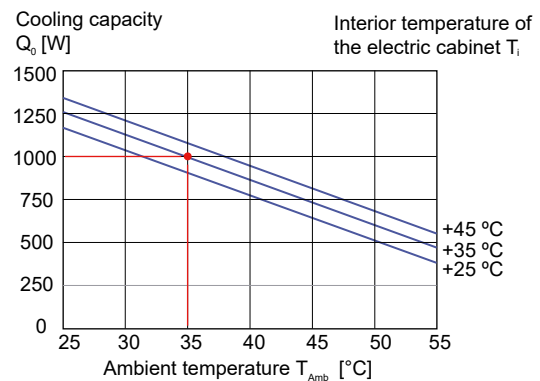


#### Cut-off dimensions



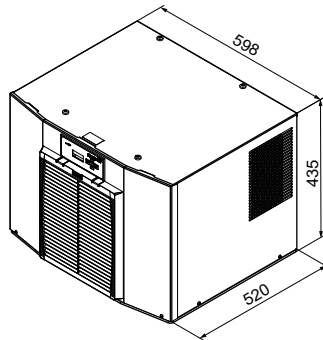
Specifications	Units	Reference AT1000/230
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	1000
	A35/A50	600 640
<b>Absorbed electric power</b>	A35/A35	440 570
<b>Absorbed current</b>	A35/A35	2,4 2,7
<b>Start-up current</b>	A35/A35	9,1 11,5
<b>T fuse</b>	-	A 6
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h 570 590
	Exterior	- -
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	dB < 62
<b>Weight (without packaging)</b>	-	kg 35
<b>Dimensions (Height x Width x Depth)</b>	-	mm 451x588x420
<b>Ambient temperature range</b>	-	°C +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 400
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

#### Graphs

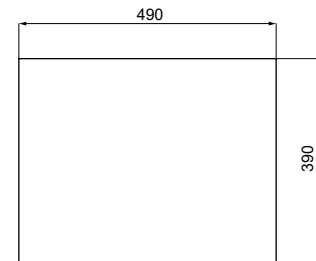


Integrated condensation fluid evaporation system with filler alarms.  
 Safety and protection against condensation fluid.  
 Easy to assemble, does not require special tools.  
 Easy to maintain, fully-removable cover, easy access to control and filter elements.  
 Energy efficiency with 20% savings.

## Dimensions

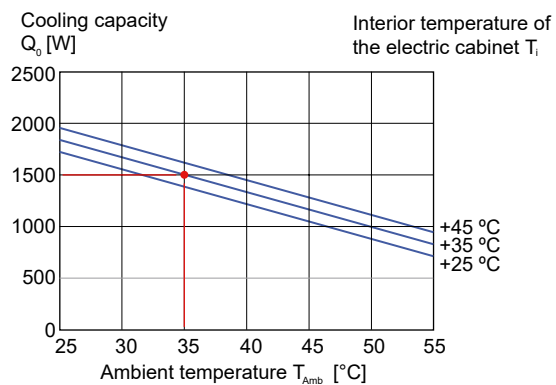


## Cut-off dimensions



Specifications	Units	Reference AT1500/230
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	1500
	A35/A50	1000
<b>Absorbed electric power</b>	A35/A35	980
<b>Absorbed current</b>	A35/A35	5.73
<b>Start-up current</b>	A35/A35	19.7
<b>T fuse</b>	-	10
<b>Air flow with free nozzle</b>	Interior	885
	Exterior	1820
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	< 62
<b>Weight (without packaging)</b>	-	45
<b>Dimensions (Height x Width x Depth)</b>	-	435x598x520
<b>Ambient temperature range</b>	-	+15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	+25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	725
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

## Graphs



Integrated condensation fluid evaporation system with filler alarms.  
 Safety and protection against condensation fluid.  
 Easy to assemble, does not require special tools.  
 Easy to maintain, fully-removable cover, easy access to control and filter elements.  
 Energy efficiency with 20% savings.

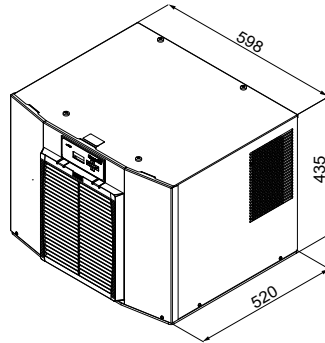


# THERMAL MANAGEMENT

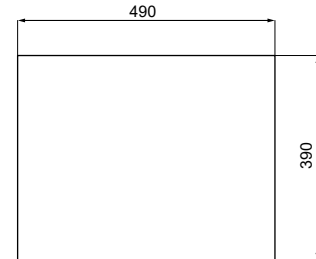
## Refrigeration

### Ceiling air conditioners

#### Dimensions

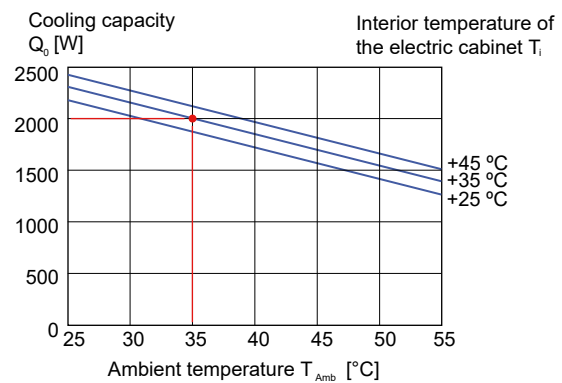


#### Cut-off dimensions



Specifications	Units	Reference <b>AT2000/230</b>
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	A35/A35	2000
	A35/A50	1540
<b>Absorbed electric power</b>	A35/A35	1049
	A35/A50	1275
<b>Absorbed current</b>	A	6.2 7
<b>Start-up current</b>	A	16.8 20
<b>T fuse</b>	A	10
<b>Air flow with free nozzle</b>	Interior	885
	Exterior	1820
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	dB	< 62
<b>Weight (without packaging)</b>	kg	46
<b>Dimensions (Height x Width x Depth)</b>	mm	435x598x520
<b>Ambient temperature range</b>	°C	+15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	°C	+25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a g	750
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	RAL	7035

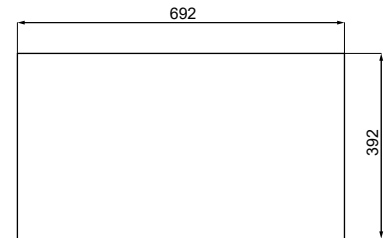
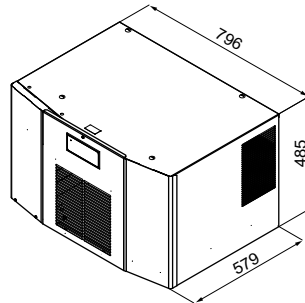
#### Graphs



Integrated condensation fluid evaporation system with filler alarms.  
 Safety and protection against condensation fluid.  
 Easy to assemble, does not require special tools.  
 Easy to maintain, fully-removable cover, easy access to control and filter elements.  
 Energy efficiency with 20% savings.

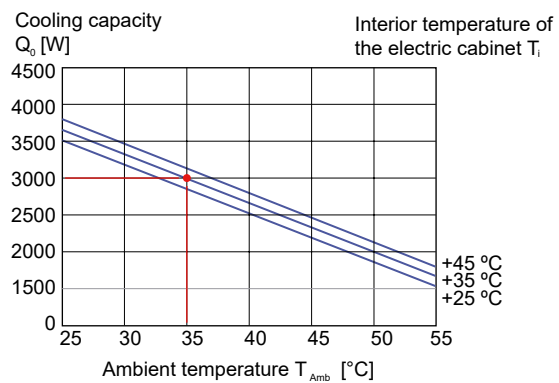
## Dimensions

## Cut-off dimensions



Specifications	Units	Reference <b>AT3000/400</b>
<b>Voltage</b>	V3~	400
	Hz	50
<b>Cooling power</b>	A35/A35	3000
	A35/A50	2000
<b>Absorbed electric power</b>	A35/A35	1700
<b>Absorbed current</b>	A35/A35	3.16
<b>Start-up current</b>	A35/A35	8.9
<b>T fuse</b>	-	6
<b>Air flow with free nozzle</b>	Interior	1420
	Exterior	1970
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	< 62
<b>Weight (without packaging)</b>	-	75
<b>Dimensions (Height x Width x Depth)</b>	-	485x796x579
<b>Ambient temperature range</b>	-	+15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	+25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 1250
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

## Graphs



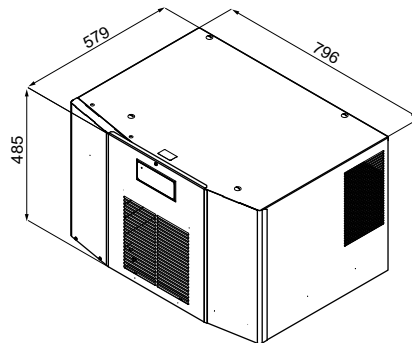
Integrated condensation fluid evaporation system with filler alarms.  
 Safety and protection against condensation fluid.  
 Easy to assemble, does not require special tools.  
 Easy to maintain, fully-removable cover, easy access to control and filter elements.  
 Energy efficiency with 20% savings.

# THERMAL MANAGEMENT

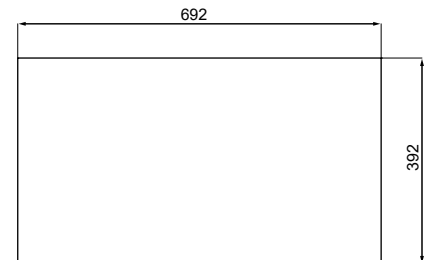
## Refrigeration

### Ceiling air conditioners

#### Dimensions

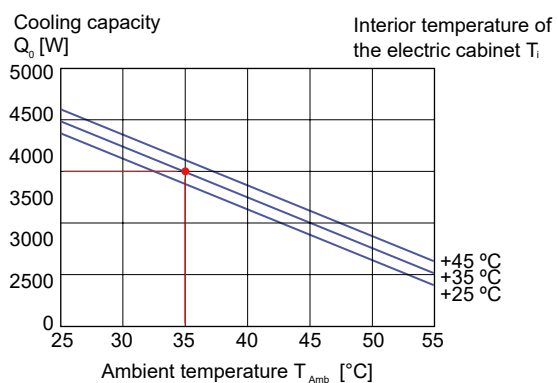


#### Cut-off dimensions



Specifications	Units	Reference <b>AT4000/400</b>
<b>Voltage</b>	-	V3~ 400
	-	Hz 50
<b>Cooling power</b>	A35/A35	4000
	A35/A50	3260
<b>Absorbed electric power</b>	A35/A35	1618
	A35/A50	2050
<b>Absorbed current</b>	A35/A35	4.6
<b>Start-up current</b>	A35/A35	17.1
<b>T fuse</b>	-	A 6
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h 1420
	Exterior	m <sup>3</sup> /h 1970
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	-	dB < 62
<b>Weight (without packaging)</b>	-	kg 77
<b>Dimensions (Height x Width x Depth)</b>	-	mm 485x796x579
<b>Ambient temperature range</b>	-	°C +15 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	-	°C +25 °C ~ +45 °C factory settings +35 °C
<b>Coolant</b>	R134a	g 1250
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	-	RAL 7035

#### Graphs

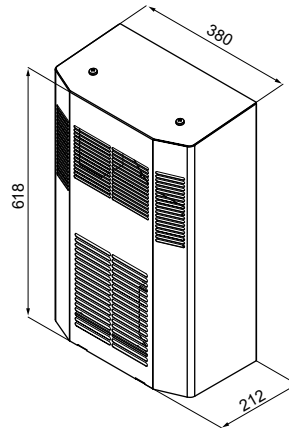


Integrated condensation fluid evaporation system with filler alarms.  
 Safety and protection against condensation fluid.  
 Easy to assemble, does not require special tools.  
 Easy to maintain, fully-removable cover, easy access to control and filter elements.  
 Energy efficiency with 20% savings.

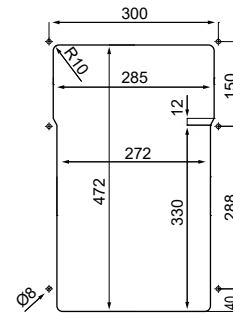
## Air-air heat exchanger



### Dimensions

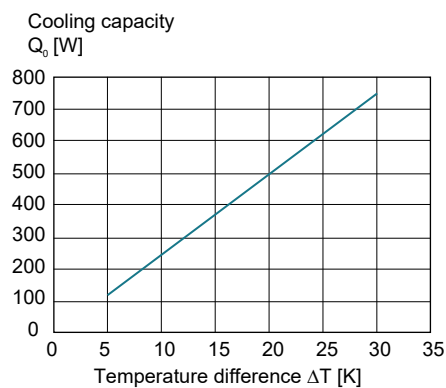


### Cut-off dimensions



Specifications	Units	Reference IR20/230
<b>Voltage</b>	V	230
	Hz	50      60
<b>Cooling power</b>	W	20
<b>Absorbed electric power</b>	W	50      56
<b>Absorbed current</b>	A	0.25      0.26
<b>Start-up current</b>	A	0.7      0.8
<b>T fuse</b>	A	1
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h      240      280
	Exterior	m <sup>3</sup> /h      240      280
<b>Connection type</b>	-	Plug-in connector
<b>Noise level</b>	dB	< 61
<b>Weight (without packaging)</b>	kg	15.2
<b>Dimensions (Height x Width x Depth)</b>	mm	618x380x212
<b>Ambient temperature range</b>	°C	-25 °C ~ +55 °C
<b>Regulation field (adjustable)</b>	Regulation thermostat	°C      +20 °C ~ +55 °C factory settings +35 °C
	Alarm thermostat	°C      +30 °C ~ +65 °C factory settings +45 °C
<b>Useful work cycle</b>	%	100
<b>Protection rating</b>	Towards the cabinet	IP54
	Towards the atmosphere	IP34
<b>Materials</b>	-	Galvanised steel
<b>Colour</b>	RAL	7035

### Graphs



For exterior side installation or on door.  
Integrated thermostat for temperature control.  
Additional thermostat for signalling excess temperature.  
Safe circulation via prolonged ventilation pipe and elimination of hot points.  
Wide space between the suction and discharge openings.

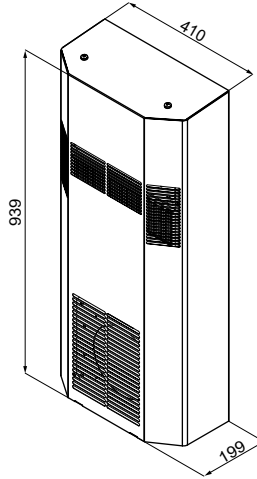
# THERMAL MANAGEMENT

## Refrigeration

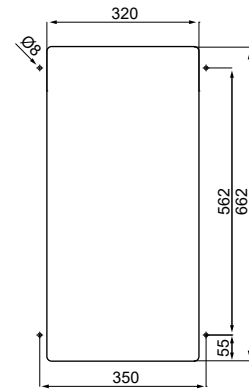
### Air-air heat exchanger



#### Dimensions

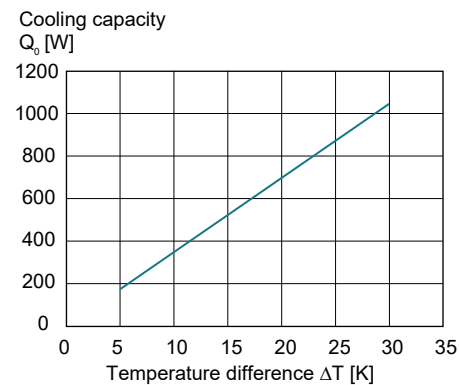


#### Cut-off dimensions



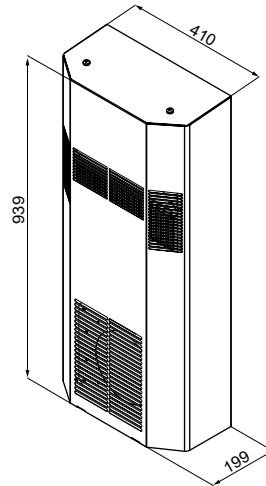
Specifications	Units	Reference	IR35/230	
<b>Voltage</b>	-	V	230	
		Hz	50	60
<b>Cooling power</b>	-	W	35	
<b>Absorbed electric power</b>	-	W	170	180
<b>Absorbed current</b>	-	A	0.8	1
<b>Start-up current</b>	-	A	1.9	1.8
<b>T fuse</b>	-	A	2	
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h	850	900
	Exterior		850	900
<b>Connection type</b>	-	-	Plug-in connector	
<b>Noise level</b>	-	dB	< 64	
<b>Weight (without packaging)</b>	-	kg	24.9	
<b>Dimensions (Height x Width x Depth)</b>	-	mm	939x410x199	
<b>Ambient temperature range</b>	-	°C	-25 °C ~ +55 °C	
<b>Regulation field (adjustable)</b>	Regulation thermostat	°C	+20 °C ~ +55 °C factory settings +35 °C	
	Alarm thermostat		+30 °C ~ +65 °C factory settings +45 °C	
<b>Useful work cycle</b>	-	%	100	
<b>Protection rating</b>	Towards the cabinet	-	IP54	
	Towards the atmosphere	-	IP34	
<b>Materials</b>	-	-	Galvanised steel	
<b>Colour</b>	-	RAL	7035	

#### Graphs

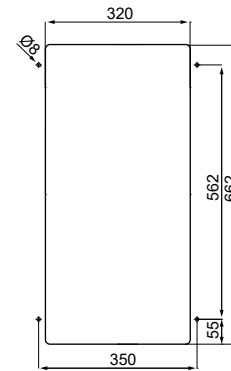


For exterior side installation or on door.  
 Integrated thermostat for temperature control.  
 Additional thermostat for signalling excess temperature.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 Wide space between the suction and discharge openings.

## Dimensions

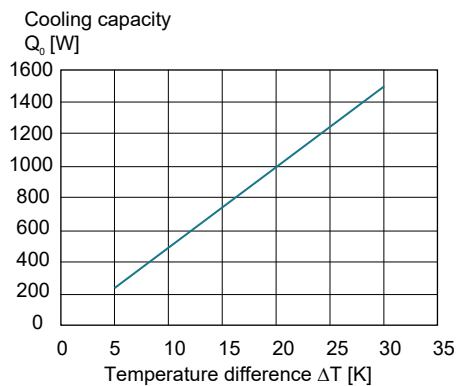


## Cut-off dimensions



Specifications	Units		Reference IR50/230	
<b>Voltage</b>	-	V	230	
	-	Hz	50	60
<b>Cooling power</b>	-	W	50	
<b>Absorbed electric power</b>	-	W	170	180
<b>Absorbed current</b>	-	A	0.8	1
<b>Start-up current</b>	-	A	1.9	1.8
<b>T fuse</b>	-	A	2	
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h	850	900
	Exterior		850	900
<b>Connection type</b>	-	-	Plug-in connector	
<b>Noise level</b>	-	dB	< 64	
<b>Weight (without packaging)</b>	-	kg	24.9	
<b>Dimensions (Height x Width x Depth)</b>	-	mm	939x410x199	
<b>Ambient temperature range</b>	-	°C	-25 °C ~ +55 °C	
<b>Regulation field (adjustable)</b>	Regulation thermostat	°C	+20 °C ~ +55 °C factory settings +35 °C	
	Alarm thermostat		+30 °C ~ +65 °C factory settings +45 °C	
<b>Useful work cycle</b>	-	%	100	
<b>Protection rating</b>	Towards the cabinet	-	IP54	
	Towards the atmosphere	-	IP34	
<b>Materials</b>	-	-	Galvanised steel	
<b>Colour</b>	-	RAL	7035	

## Graphs



For exterior side installation or on door.  
 Integrated thermostat for temperature control.  
 Additional thermostat for signalling excess temperature.  
 Safe circulation via prolonged ventilation pipe and elimination of hot points.  
 Wide space between the suction and discharge openings.

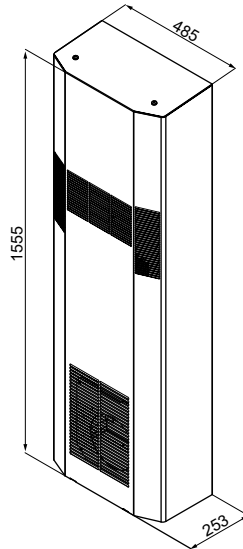
# THERMAL MANAGEMENT

## Refrigeration

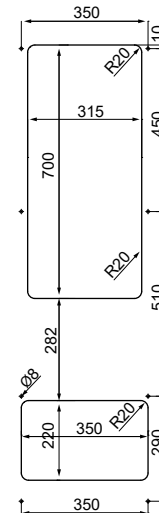
### Air-air heat exchanger



#### Dimensions



#### Cut-off dimensions



#### Specifications

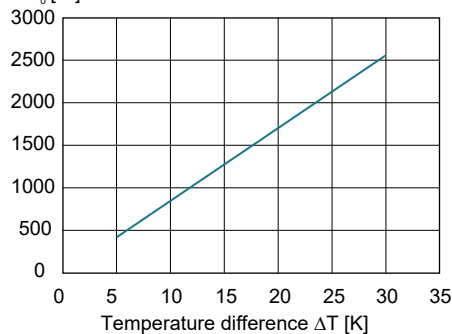
Units

Reference  
**IR85/230**

<b>Voltage</b>	-	V	230	
	-	Hz	50	60
<b>Cooling power</b>	-	W	85	
<b>Absorbed electric power</b>	-	W	310	420
<b>Absorbed current</b>	-	A	1.3	1.7
<b>Start-up current</b>	-	A	3.5	3.3
<b>T fuse</b>	-	A	2	
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h	1175	1300
	Exterior		1175	1300
<b>Connection type</b>	-	-	Plug-in connector	
<b>Noise level</b>	-	dB	< 69	
<b>Weight (without packaging)</b>	-	kg	46.3	
<b>Dimensions (Height x Width x Depth)</b>	-	mm	1555x485x253	
<b>Ambient temperature range</b>	-	°C	-25 °C ~ +55 °C	
<b>Regulation field (adjustable)</b>	Regulation thermostat	°C	+20 °C ~ +55 °C factory settings +35 °C	
	Alarm thermostat		+30 °C ~ +65 °C factory settings +45 °C	
<b>Useful work cycle</b>	-	%	100	
<b>Protection rating</b>	Towards the cabinet	-	IP54	
	Towards the atmosphere	-	IP34	
<b>Materials</b>	-	-	Galvanised steel	
<b>Colour</b>	-	RAL	7035	

#### Graphs

Cooling capacity  
 $Q_0$  [W]

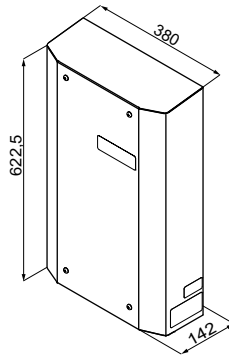


For exterior side installation or on door.  
Integrated thermostat for temperature control.  
Additional thermostat for signalling excess temperature.  
Safe circulation via prolonged ventilation pipe and elimination of hot points.  
Wide space between the suction and discharge openings.

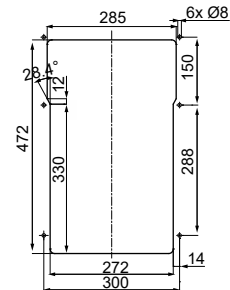
## Air-water heat exchanger



### Dimensions



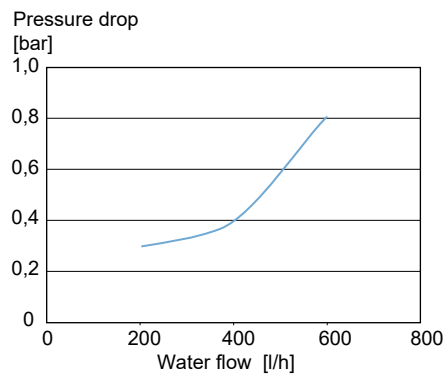
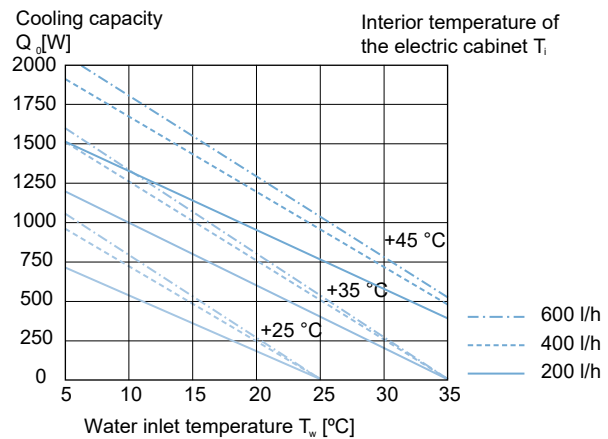
### Cut-off dimensions



Specifications	Units	Reference IG1000/230
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	W10/A35 W	1000
<b>Absorbed electric power</b>	W10/A35 W	68 78
<b>Absorbed current</b>	W10/A35 A	0.3 0.34
<b>Start-up current</b>	W10/A35 A	0.4
<b>T fuse</b>	- A	2
<b>Air flow with free nozzle</b>	Interior m <sup>3</sup> /h	520
<b>Connection type</b>	Electro -	Plug-in connector
	Fluid -	13 mm. nozzle hose
<b>Noise level</b>	- dB	≤ 48
<b>Weight (without packaging)</b>	- kg	11
<b>Dimensions (Height x Width x Depth)</b>	- mm	622.5x380x142
<b>Ambient temperature range</b>	- °C	> +1 °C +70 °C
<b>Regulation field (adjustable)</b>	- °C	+8 °C ~ +50 °C factory settings +35 °C
<b>Water inlet temperature</b>	- °C	> +2 °C +35 °C
<b>Accepted operating pressure</b>	- bar	max.10
<b>Useful work cycle</b>	- %	100
<b>Protection rating</b>	Towards the cabinet	IP55
	Housing	Galvanised steel
<b>Materials</b>	Heat exchangers	Copper pipe with aluminium vanes
<b>Colour</b>	- RAL	7035

For exterior side installation or on door.  
 Separation of condensation fluid by discharging.  
 Maximum energy efficiency safety.  
 Integrated thermostat and solenoid valve for temperature control.  
 Temperature control with integrated alarm contact.  
 No need for maintenance. Compact design and easily re-paintable.

### Graphs





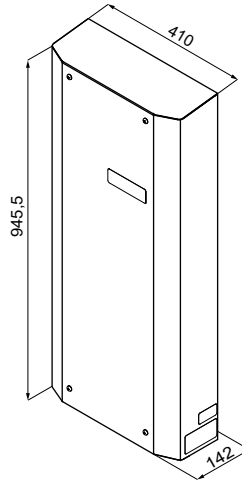
# THERMAL MANAGEMENT

## Refrigeration

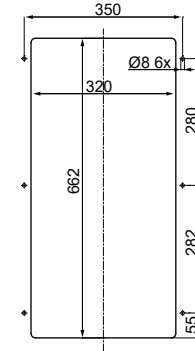
### Air-water heat exchanger



#### Dimensions

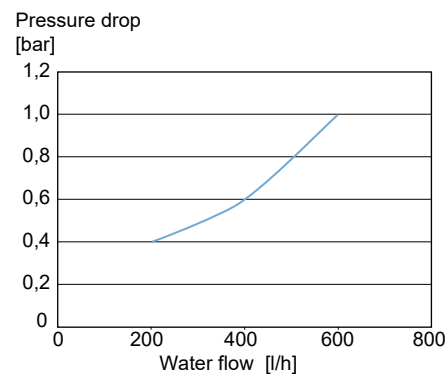
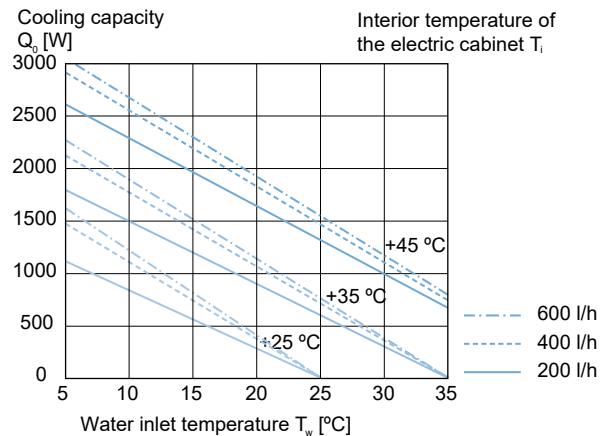


#### Cut-off dimensions



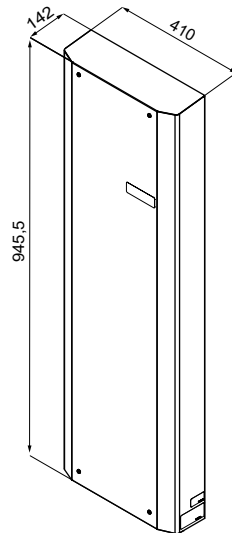
Specifications	Units	Reference <b>IG1500/230</b>
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	W10/A35 W	1500
<b>Absorbed electric power</b>	W10/A35 W	91 122
<b>Absorbed current</b>	W10/A35 A	0.47 0.54
<b>Start-up current</b>	W10/A35 A	0.6
<b>T fuse</b>	- A	2
<b>Air flow with free nozzle</b>	Interior m <sup>3</sup> /h	850
	Electro -	Plug-in connector
<b>Connection type</b>	Fluid -	13 mm. nozzle hose
	<b>Noise level</b>	- dB
<b>Weight (without packaging)</b>	- kg	16
<b>Dimensions (Height x Width x Depth)</b>	- mm	945.5x410x142
<b>Ambient temperature range</b>	- °C	> +1 °C +70 °C
<b>Regulation field (adjustable)</b>	- °C	+8 °C ~ +50 °C factory settings + 35°C
<b>Water inlet temperature</b>	- °C	> +2 °C +35 °C
<b>Accepted operating pressure</b>	- bar	max.10
<b>Useful work cycle</b>	- %	100
<b>Protection rating</b>	Towards the cabinet	IP55
	Housing	Galvanised steel
<b>Materials</b>	Heat exchangers	Copper pipe with aluminium vanes
<b>Colour</b>	- RAL	7035

#### Graphs

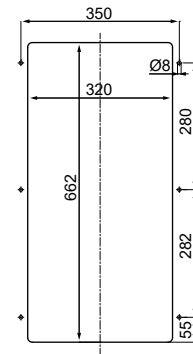


For exterior side installation or on door.  
 Separation of condensation fluid by discharging.  
 Maximum energy efficiency safety.  
 Integrated thermostat and solenoid valve for temperature control.  
 Temperature control with integrated alarm contact.  
 No need for maintenance. Compact design and easily re-paintable.

## Dimensions

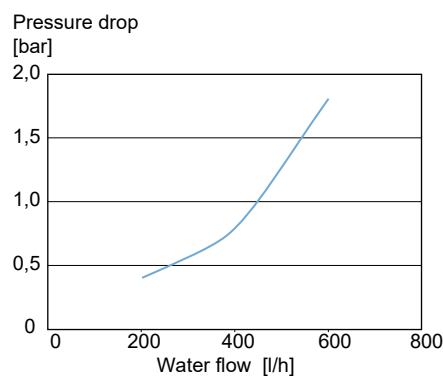
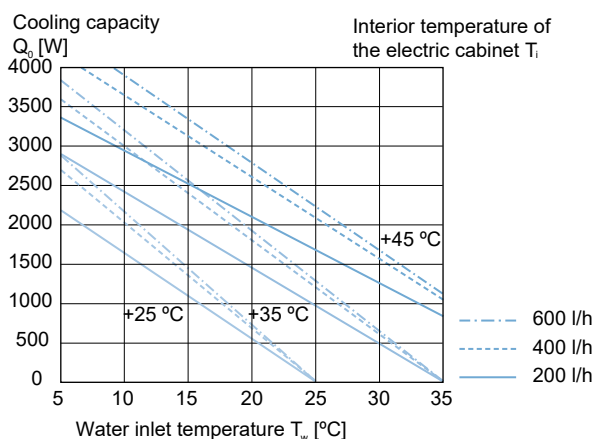


## Cut-off dimensions



Specifications	Units	Reference	IG3000/230	
<b>Voltage</b>	-	V	230	
		Hz	50	60
<b>Cooling power</b>	W10/A35	W	3000	
<b>Absorbed electric power</b>	W10/A35	W	95	115
<b>Absorbed current</b>	W10/A35	A	0.43	0.51
<b>Start-up current</b>	W10/A35	A	0.56	0.75
<b>T fuse</b>	-	A	2	
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h	945	
<b>Connection type</b>	Electro	-	Plug-in connector	
	Fluid	-	13 mm. nozzle hose	
<b>Noise level</b>	-	dB	54	
<b>Weight (without packaging)</b>	-	kg	19	
<b>Dimensions (Height x Width x Depth)</b>	-	mm	945.5x410x142	
<b>Ambient temperature range</b>	-	°C	> +1 °C +70 °C	
<b>Regulation field (adjustable)</b>	-	°C	+8 °C ~ +50 °C factory settings + 35°C	
<b>Water inlet temperature</b>	-	°C	> +1 °C +35 °C	
<b>Accepted operating pressure</b>	-	bar	max.10	
<b>Useful work cycle</b>	-	%	100	
<b>Protection rating</b>	Towards the cabinet		IP55	
	Housing		Galvanised steel	
<b>Materials</b>	Heat exchangers		Copper pipe with aluminium vanes	
<b>Colour</b>	-	RAL	7035	

## Graphs



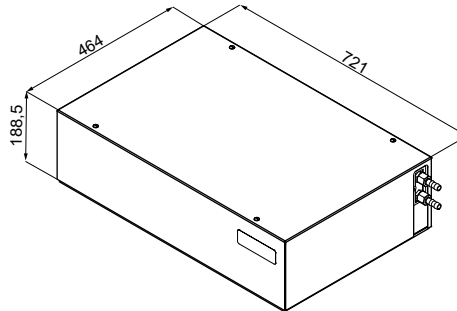
For exterior side installation or on door.  
 Separation of condensation fluid by discharging.  
 Maximum energy efficiency safety.  
 Integrated thermostat and solenoid valve for temperature control.  
 Temperature control with integrated alarm contact.  
 No need for maintenance. Compact design and easily re-paintable.

# THERMAL MANAGEMENT

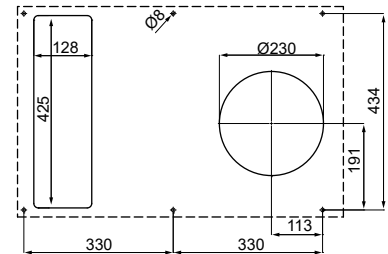
## Refrigeration

### Air-water heat exchanger

#### Dimensions

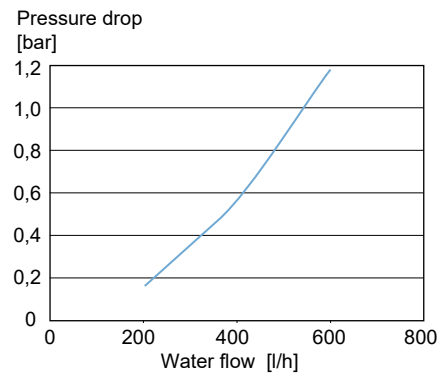
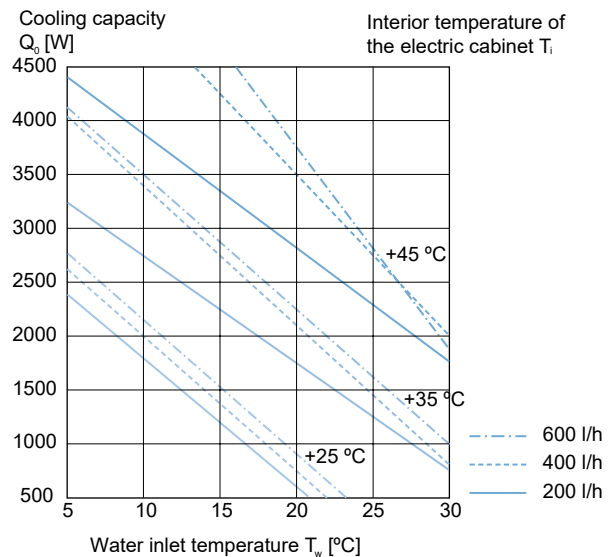


#### Cut-off dimensions



Specifications	Units	Reference IG3400/230
<b>Voltage</b>	V	230
	Hz	50 60
<b>Cooling power</b>	W10/A35 W	3400
<b>Absorbed electric power</b>	W10/A35 W	115 65
<b>Absorbed current</b>	W10/A35 A	0.84
<b>Start-up current</b>	W10/A35 A	4
<b>T fuse</b>	- A	6
<b>Air flow with free nozzle</b>	Interior m <sup>3</sup> /h	720
<b>Connection type</b>	Electro -	3.5 metres of cable 3x0.75 mm <sup>2</sup>
	Fluid -	13 mm. nozzle hose
<b>Noise level</b>	- dB	64
<b>Weight (without packaging)</b>	- kg	30
<b>Dimensions (Height x Width x Depth)</b>	- mm	188.5x721x464
<b>Ambient temperature range</b>	- °C	> +1 °C +70 °C
<b>Regulation field (adjustable)</b>	- °C	+8 °C ~ +50 °C factory settings +35 °C
<b>Water inlet temperature</b>	- °C	> +1 °C +35 °C
<b>Accepted operating pressure</b>	- bar	max.10
<b>Useful work cycle</b>	- %	100
<b>Protection rating</b>	Towards the cabinet	IP54
	Housing	Galvanised steel
<b>Materials</b>	Heat exchangers	Copper pipe with aluminium vanes
<b>Colour</b>	- RAL	7035

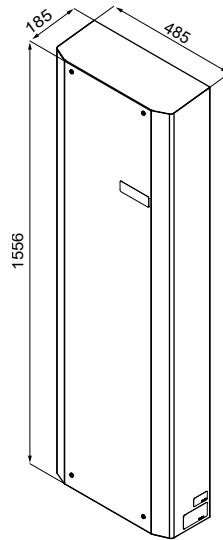
#### Graphs



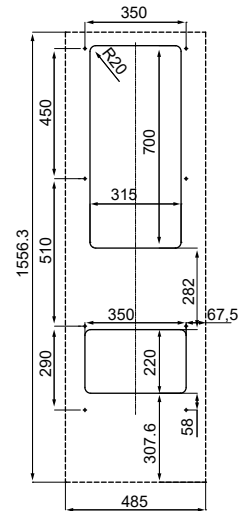
Separation of condensation fluid by discharging.  
 Hydraulic circuit tested at pressure of 30 bar.  
 Integrated thermostat and solenoid valve for temperature control.  
 No need for maintenance. Compact design and easily re-paintable.



## Dimensions

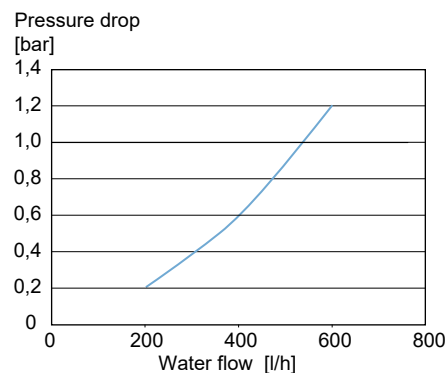
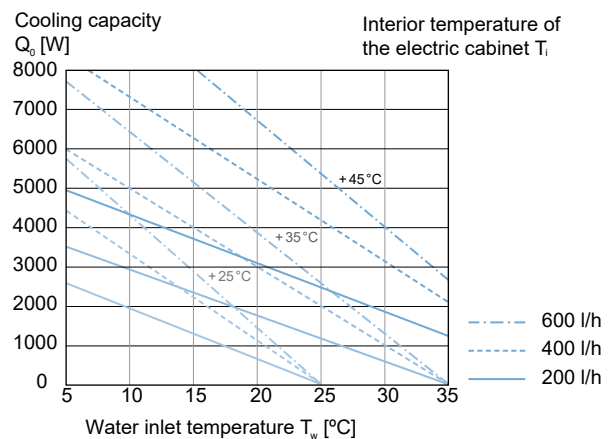


## Cut-off dimensions



Specifications	Units		Reference IG5000/230	
<b>Voltage</b>	-	V	230	
	-	Hz	50	60
<b>Cooling power</b>	W10/A35	W	5000	
<b>Absorbed electric power</b>	W10/A35	W	209	292
<b>Absorbed current</b>	W10/A35	A	0.94	1.29
<b>Start-up current</b>	W10/A35	A	1.6	
<b>T fuse</b>	-	A	2	
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h	1425	
<b>Connection type</b>	Electro	-	Plug-in connector	
	Fluid	-	13 mm. nozzle hose	
<b>Noise level</b>	-	dB	54	
<b>Weight (without packaging)</b>	-	kg	36.5	
<b>Dimensions (Height x Width x Depth)</b>	-	mm	1556x485x185	
<b>Ambient temperature range</b>	-	°C	> +1 °C +70 °C	
<b>Regulation field (adjustable)</b>	-	°C	+8 °C ~ +50 °C factory settings +35 °C	
<b>Water inlet temperature</b>	-	°C	> +2 °C +35 °C	
<b>Accepted operating pressure</b>	-	bar	max.10	
<b>Useful work cycle</b>	-	%	100	
<b>Protection rating</b>	Towards the cabinet		IP55	
	Housing		Galvanised steel	
<b>Materials</b>	Heat exchangers		Copper pipe with aluminium vanes	
<b>Colour</b>	-	RAL	7035	

## Graphs



For exterior side installation or on door.  
Separation of condensation fluid by discharging.  
Maximum energy efficiency safety.  
Integrated thermostat and solenoid valve for temperature control.  
Temperature control with integrated alarm contact.  
No need for maintenance. Compact design and easily re-paintable.

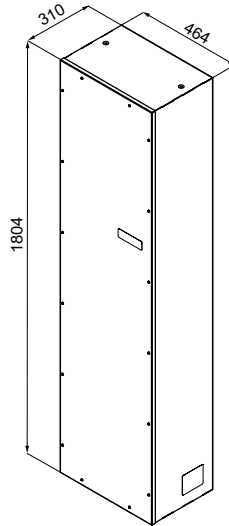
# THERMAL MANAGEMENT

## Refrigeration

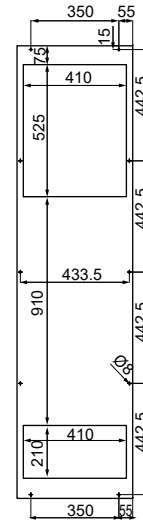
### Air-water heat exchanger



#### Dimensions

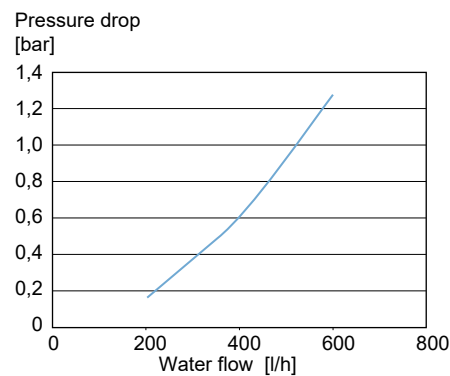
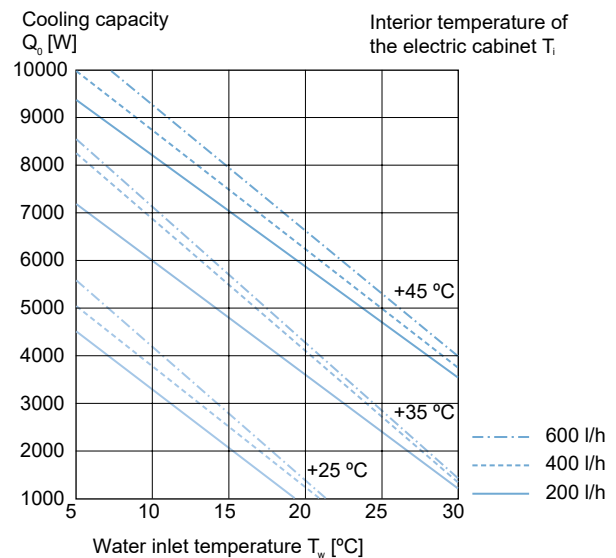


#### Cut-off dimensions



Specifications	Units	Reference
		<b>IG7000/230</b>
<b>Voltage</b>	-	V 230 Hz 50 60
<b>Cooling power</b>	W10/A35	W 7000
<b>Absorbed electric power</b>	W10/A35	W 520 680
<b>Absorbed current</b>	W10/A35	A 2.4 3.2
<b>Start-up current</b>	W10/A35	A 9.2 12
<b>T fuse</b>	-	A 10
<b>Air flow with free nozzle</b>	Interior	m <sup>3</sup> /h 4600
<b>Connection type</b>	Electro	- Plug-in connector
	Fluid	- 13 mm. nozzle hose
<b>Noise level</b>	-	dB 63
<b>Weight (without packaging)</b>	-	kg 58
<b>Dimensions (Height x Width x Depth)</b>	-	mm 1804x464x310
<b>Ambient temperature range</b>	-	°C > +1 °C +70 °C
<b>Regulation field (adjustable)</b>	-	°C +8 °C ~ +50 °C factory settings +35 °C
<b>Water inlet temperature</b>	-	°C > +1 °C +35 °C
<b>Accepted operating pressure</b>	-	bar max.10
<b>Useful work cycle</b>	-	% 100
<b>Protection rating</b>	Towards the cabinet	IP55
	Housing	Galvanised steel
<b>Materials</b>	Heat exchangers	Copper pipe with aluminium vanes
<b>Colour</b>	-	RAL 7035

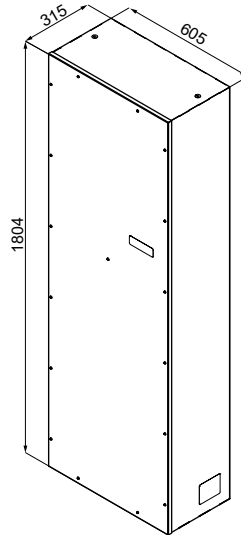
#### Graphs



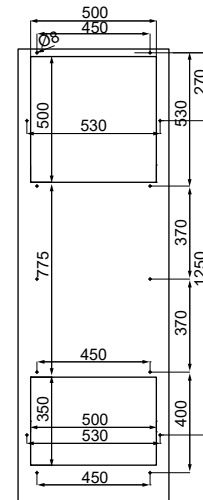
Separation of condensation fluid by discharging.  
Integrated thermostat and solenoid valve for temperature control.  
Temperature control with integrated alarm contact.  
No need for maintenance. Compact design and easily re-paintable.



## Dimensions



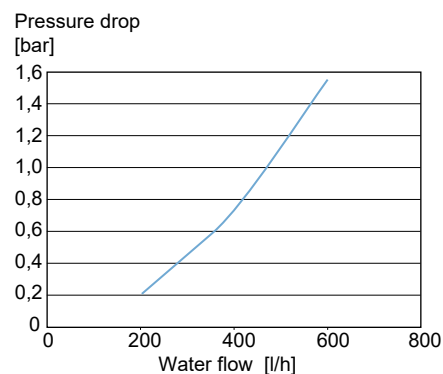
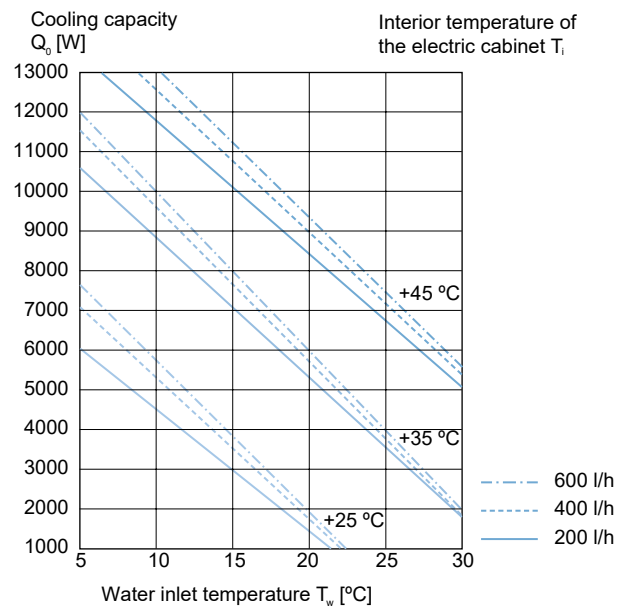
## Cut-off dimensions



Specifications	Units	Reference
IG10000/230		
<b>Voltage</b>	V	230
	Hz	50    60
<b>Cooling power</b>	W10/A35 W	10000
<b>Absorbed electric power</b>	W10/A35 W	820    1200
<b>Absorbed current</b>	W10/A35 A	3.8    5.2
<b>Start-up current</b>	W10/A35 A	13.5    18.8
<b>T fuse</b>	- A	10
<b>Air flow with free nozzle</b>	Interior m <sup>3</sup> /h	6250
<b>Connection type</b>	Electro -	Plug-in connector
	Fluid -	13 mm. nozzle hose
<b>Noise level</b>	- dB	66
<b>Weight (without packaging)</b>	- kg	75
<b>Dimensions (Height x Width x Depth)</b>	- mm	1804x605x315
<b>Ambient temperature range</b>	- °C	> +1 °C +70 °C
<b>Regulation field (adjustable)</b>	- °C	+8 °C ~ +50 °C factory settings +35 °C
<b>Water inlet temperature</b>	- °C	> +1 °C +35 °C
<b>Accepted operating pressure</b>	- bar	max.10
<b>Useful work cycle</b>	- %	100
<b>Protection rating</b>	Towards the cabinet	IP55
	Housing	Galvanised steel
<b>Materials</b>	Heat exchangers	Copper pipe with aluminium vanes
<b>Colour</b>	- RAL	7035

Separation of condensation fluid by discharging.  
Integrated thermostat and solenoid valve for temperature control.  
Temperature control with integrated alarm contact.  
No need for maintenance. Compact design and easily re-paintable.

## Graphs



# INSTALLATION COMPONENTS



## Installation components

Wide range of accessories to complete the installation of metal and polyester cabinets.

Distribution blocks, busbar supports and connectors, as well as plan holders or transport wheels.

## VARIOUS ACCESSORIES

### Supports and levelling



Reference No.	Description	Maximum load	Dim. (mm)
			<b>HEIGHT X WIDTH</b>
<b>48290</b>	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)
			<b>HEIGHT X WIDTH</b>
<b>48300</b>	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)
		<b>HEIGHT</b>
<b>48115</b>	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)
			<b>HEIGHT X WIDTH X DEPTH</b>
<b>49386</b>	600 mm metal plan holder	Argenta Plus	280x430x90
<b>49387</b>	800 mm metal plan holder	Argenta Plus	280x655x90
<b>49385</b>	DIN A4 insulating plan holder for general applications	Argenta and Argenta Plus	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). Ref. 49387 only to install in single-door cabinets.

### Paints



Reference No.	Description
<b>48292</b>	RAL 7035 embossed grey paint
<b>48294</b>	RAL 7016 embossed grey anthracite paint
<b>48343</b>	RAL 9003 embossed white paint

**SUPPLY:** 400 ml tin.

### Module lids



Reference No.	Description
<b>77590</b>	Module lid RAL 7035 grey (6 modules)
<b>77600</b>	Module lid RAL 9003 white (6 modules)
<b>48019</b>	Module lid RAL 7035 grey (1 m)
<b>48021</b>	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.



# INSTALLATION COMPONENTS

## Metal cabinets and enclosures accessories

### 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.

### Electric shock risk label



Reference No.	Description	Dimensions mm
49390	Adhesive electric shock risk 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.

## Earthing



Reference No.	Description	Dimensions
48452	M5 earth kit (20 connectors)	12x4x500

**CHARACTERISTICS:** Length: 500 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 mm<sup>2</sup>.

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	Poles	Terminals for busbar		Dimensions	Drill holes between centres	Ui	Ipk KÂ
			INPUT	OUTPUT				
A		INPUT		H X W X D		mm	V	
48720	100	2	1xØ9	5xØ5,3 1xØ7,5	50x50x94	75	500V AC	20
48721	125	2	1xØ9	11xØ5,3 3xØ7,5	50x50x166	150	500V AC	20
48722	125	4	1xØ9	7xØ5,3 3xØ7,5	50x90x147	130	500V AC	20
48723	125	4	1xØ9	11xØ5,3 3xØ7,5	50x90x182	165	500V AC	20
48724	125	4	1xØ9	5xØ5,3 1xØ7,5	50x90x109	90	500V AC	20
48725	160	4	1xØ11,5	8xØ7 3xØ8,5	50x90x170	150	600V AC	22
48726	100	4	2xØ8,5	4xØ4,5 5xØ5,5	50x90x101	80	500V AC/DC	20
48727	100	4	1xØ8,5	3xØ4,5 3xØ5,5	50x90x65	45	500V AC/DC	20
48728	125	1	1xØ8,5 1xØ10	6xØ6,5	76x46x30	-	600V AC/DC	30
48729	160	1	1xØ8,5 1xØ12	6xØ6,5	76x46x30	-	600V AC/DC	30

**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

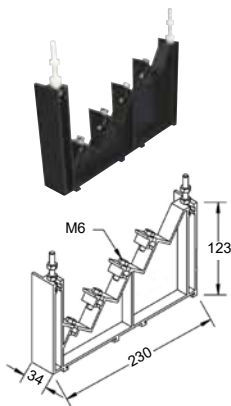
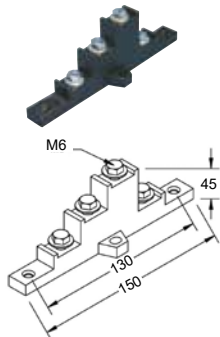
	Ø	Section without terminal*	Section with terminal
		mm <sup>2</sup>	mm <sup>2</sup>
Input	8,5	10-25	10-25
Input	9	10-35	10-16
Input	11,5	10-50	10-50
Output	4,5	1,5-4	0,75-4
Output	5,3	2,5-6	1,5-6
Output	5,5	2,5-6	1,5-6
Output	7	2,5-16	1,5-16
Output	7,5	10-25	6-16
Output	8,5	10-25	10-25

\* Rigid cable.

# INSTALLATION COMPONENTS

## Metal cabinets and enclosures accessories

### Busbar supports



Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		V	°C
<b>48453</b>	160 A-250 A busbar support profile	630/630	40/+130

**CHARACTERISTICS:** For threaded busbars. It is assembled with M6 screws (included).  
Protection screen: direct mounting using spacers and caps.  
Halogen-free plastic parts.

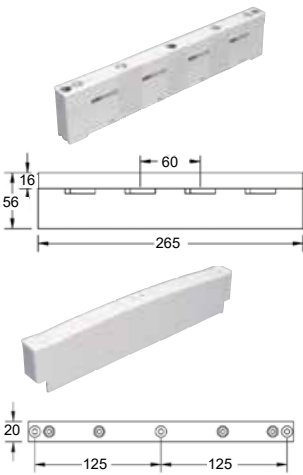
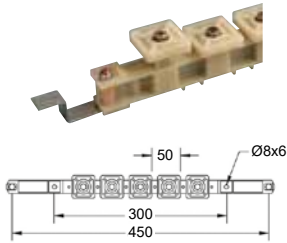
Voltage	Current	Busbar section (mm)	Maximum distance between busbar supports Icw kA eff. 1 s./Ipk kA		
			6,5/11	8/14	12/24
0 to 1000 V	160A	15 x 5	550	447	253
	250A	20 x 5	635	516	261

Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		V	°C
<b>48800</b>	160 A-630 A busbar support for auxiliary module	1000/1500	-40/+130

**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 Icw kA eff. 1 s./Ipk 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

## Busbar supports



Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		V	°C
<b>48454</b>	160 A-400 A bottom busbar support	1000/1500	-40/+130

**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 I <sub>pk</sub> kA / I <sub>cc</sub> 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
<b>48686</b>	Horizontal busbar support TN 160 A-630 A	1000/1500	-15/+130
<b>48687</b>	TN Horizontal busbar support cover	-	-

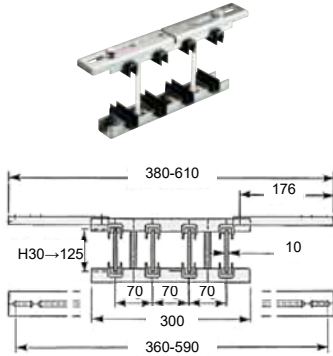
**CHARACTERISTICS:** Two units of each reference are needed for busbar assembly.  
Distance between axes or phases: 60 mm. Triple phase + neutral.  
Halogen-free plastic materials and galvanised steel threaded screws.

Busbar section	Maximum distance between busbar supports I <sub>pk</sub> kA / I <sub>cc</sub> ms kA 1s					
	11/6,5	14/8,2	24/12	48/22	63/30	70/33
I <sub>cc</sub> 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

## Metal cabinets and enclosures accessories

### Busbar supports

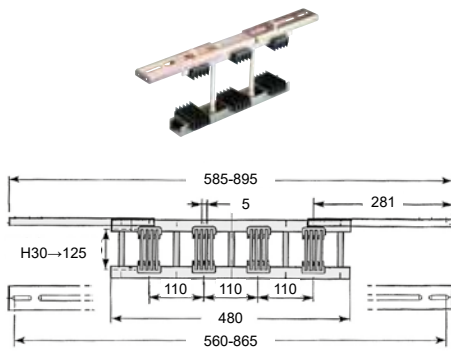


Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
<b>48685</b>	Busbar support 1/10 TN 2250 A	V 1000/1500	°C -40/+130

**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 - Ipk 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	



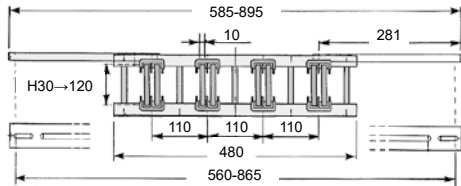
Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
<b>48680</b>	Busbar support 4/5 TN 3500 A	V 1000/1500	°C -40/+130

**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 - Icw kA eff. 1 s./Ipk 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	541	323	254	243	223	197	171	140	
80	1000	863	661	508	344	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	843	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

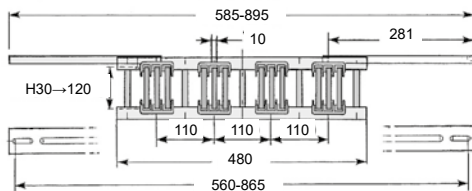


Reference No.	Description	Maximum rated	Operating
		voltage Ui AC/DC	temperature
		V	°C
<b>48681</b>	Busbar support 2/10 TN 3600 A	1000/1500	-40/+130

**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 <sub>cw</sub> kA eff. 1 s./I <sub>pk</sub> kA											
	I <sub>cc</sub> 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	Operating
		voltage Ui AC/DC	temperature
		V	°C
<b>48688</b>	Busbar support 3/10 TN 4500 A	1000/1500	-40/+130



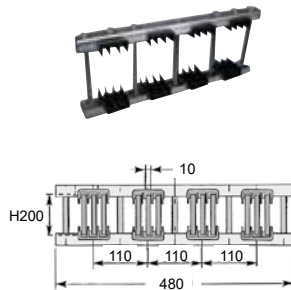
**CHARACTERISTICS:** Distance between mounting centre: 25 mm. Distance between mounting centres is adjustable.  
Galvanised sheet steel reinforced with 2.5 mm of zinc. M10 screws in halogen-free reinforced polyamide.  
Three phases + neutral. 10-mm busbars, one per phase.  
Halogen-free insulating parts.

Busbar section	Maximum distance between busbar supports I <sub>pk</sub> kA I <sub>cc</sub> ms KA 1s											
	I <sub>cc</sub> 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	566	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

## Metal cabinets and enclosures accessories

### Busbar supports



Reference No.	Description	Maximum rated voltage Ui AC/DC	Operating temperature
		V	°C
<b>48689</b>	Busbar support 3/10 TN 200 7400 A	1000/1500	-40/+130

**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	Maximum distance between busbar supports										
	Ipk KA lcc ms KA Is										
lcc. 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										
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



Ref. No.	Description	Bar dimensions			Hole dimensions		
		mm	mm	mm	Ø	Ø Oblong	mm
<b>48791</b>	Flat copper bar	12	4	2000	-	-	-
<b>48792</b>	Threaded copper bar	12	4	2000	M5	-	18
<b>48793</b>	Threaded copper bar	15	5	1000	M6	8x12	25
<b>48794</b>	Threaded copper bar	20	5	1000	M6	10x14	25
<b>48795</b>	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. No.	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 mm <sup>2</sup> pin connector



Reference No.	Description
48645	12x4 bar connector

**CHARACTERISTICS:** For 12x4 mm threaded bars - M5 screws.  
 Cables: Minimum section 1 mm<sup>2</sup> - maximum section 6 mm<sup>2</sup>.  
**MATERIAL:** Galvanised steel.



Reference No.	Description
48646	16-35 mm <sup>2</sup> earth connector

**CHARACTERISTICS:** For 12x4 / 12x5 flat bars.  
 16 mm<sup>2</sup> flexible cable - 35 mm<sup>2</sup> rigid cable.  
**MATERIAL:** Galvanised steel.



Reference No.	Description
48647	16-50 mm <sup>2</sup> connector for connection without drill holes

**CHARACTERISTICS:** Connections without drill holes for 5 mm-thick bars.  
**CABLE:** 16 to 50 mm<sup>2</sup> cross section or ERIFLEX® 9-mm-wide flexibar.  
 The length from 16 to 50 mm<sup>2</sup>, 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.



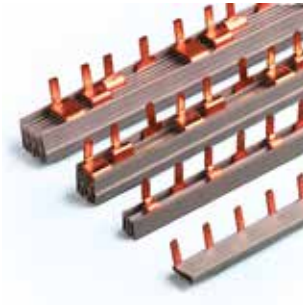
Reference No.	Description
48652	40x75 angled



# INSTALLATION COMPONENTS

## Metal cabinets and enclosures accessories

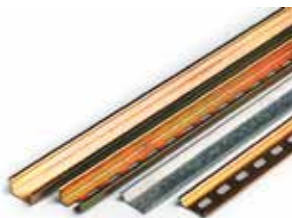
### Connecting combs



Reference No.	Description
48250	PIN-type 63 A single-pole comb
48251	FORK-type 63 A single-pole comb
48252	PIN-type 80 A single-pole comb
48253	FORK-type 80 A single-pole comb
48256	PIN-type 63 A double-pole comb
48257	FORK-type 63 A double-pole comb
48258	PIN-type 80 A double-pole comb
48259	FORK-type 80 A double-pole comb
48262	PIN-type 63 A three-pole comb
48263	FORK-type 63 A three-pole comb
48264	PIN-type 80 A three-pole comb
48265	FORK-type 80 A three-pole comb
48268	PIN-type 63 A four-pole comb
48269	FORK-type 63 A four-pole comb
48270	PIN-type 80 A four-pole comb
48271	FORK-type 80 A 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:  $\geq 4.5$  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



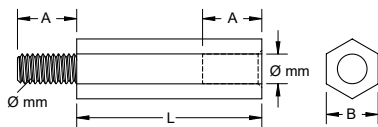
Reference No.	Description	Ø Interior	Thickness
		mm	mm
48286	5,5 mm spiral sleeve (50 m)	5,5	1
48287	10 mm spiral sleeve (25 m)	10	1,5
48288	14 mm spiral sleeve (25 m)	14	2
48289	18 mm spiral sleeve (25 m)	18	2

**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  $\pm 1$  mm / Thickness:  $\pm 0.2$  mm.

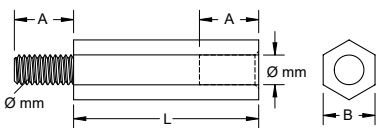
## Spacers



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.



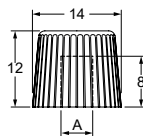
Reference No.	Description	Dimensions (mm)			
		L	A	B	Ø
48675	60 mm metal spacer	60	12	8	M6
48676	70 mm metal spacer	70	12	8	M6
48677	80 mm metal spacer	80	12	8	M6
48678	90 mm metal spacer	90	12	8	M6
48679	100 mm metal spacer	100	12	8	M6

**CHARACTERISTICS:** Intended to secure protection screens, profiles or earth bars.  
Male/female hexagonal metal spacers.

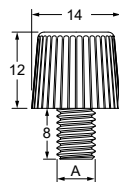
**MATERIAL:** Made of galvanised steel.



Ref. 48531



Ref. 48669



Ref. 48670

Reference No.	Description
48531	Countersunk washer D=6

Reference No.	Description
48669	M6 insulating nut
48670	M6 insulating cap

**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

## Metal cabinets and enclosures accessories

### Lamps



Reference No.	Fixing	AC	DC	Luminosity	Power consumption	Dim.
		Voltage	Voltage			
		V/Hz	V	Lm	W	HEIGHT
<b>LED400M</b>	magnetic	100-240 (50-60)	90-110	400 to 120°	5	351
<b>LED400T</b>	with screws	100-240 (50-60)	90-110	400 to 120°	5	351

**CHARACTERISTICS:** LED lights attached via magnets or screws (M5). LED, 120° radiation angle. Daylight, colour temperature 6000-7000 k, lifespan 60,000 hours at +20 °C. Two-pole connection.



### Ventilation louvres



Reference No.	Dimensions	Position between screws	Installation cut out	Degree of protection
	mm			
<b>49330</b>	180x130	170x115	145x95	IP30
<b>49331</b>	105x154	90x139	75x70	IP30
<b>49332</b>	130x250	115x235	90x180	IP30
<b>49335</b>	167x105	152x90	130x70	IP30
<b>49336</b>	167x105	152x90	130x70	IP33

**CHARACTERISTICS:** RAL 7035 made of cold-rolled steel.  
Ref. 49336 includes rubber gasket.  
**SUPPLY:** 2-piece pack.

### Devices



Ref. No.	Description
<b>29531</b>	IP43 Small ventilation device Ø 19 mm
<b>29532</b>	IP43 Ventilation device Ø 29 mm

**MATERIAL:** Thermoplastic.  
**INSTALLATION:** By means of screws with rubber gasket.



Ref. No.	Description	Dimensions	Air	Tightening	Operating/
			permeability	torque	storage temp.
		mm		Nm	°C
<b>48338</b>	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.  
IP66 degree of protection.  
\* At a minimum pressure of 70 mbar.



Ref. No.	Description	Dimensions	Water	Tightening	Operating/
			evacuation	torque	storage temp.
		mm		Nm	°C
<b>48339</b>	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. Vertical assembly on the bottom of the cabinet.  
IP66/IP67 degree of protection.  
\* In a 5 mm water column.

## Screws, nuts and bolts

	Reference No.	Description
	<b>48429</b>	M6 caged nuts - Front assembly
	<b>48416</b>	M6 caged nuts - Normal
	<b>48435</b>	M8 caged nuts - 3 mm wing
	<b>48424</b>	M6x19 Torx-trilobular countersunk screw
	<b>48425</b>	M6x12 Torx-trilobular panhead screw
	<b>48468</b>	M8x16 Allen screw
	<b>48470</b>	M12x20 Allen screw
	<b>48476</b>	M6x10 non-rotating screw. Hexagonal PH+R hardness 4.8
	<b>48434</b>	DIN 965 M6x20 screw
	<b>48417</b>	M8 non-rotating nuts
	<b>48433</b>	DIN 934 M6 nuts
	<b>48418</b>	3.5x13 clipping plug
	<b>48428</b>	5x11 detachable rivets
	<b>48431</b>	M4x7 Self-tapping sheet metal screws
	<b>48432</b>	DIN 7981 F 3.5x6.5 machined screws
	<b>48512</b>	Machined screw for cable entry cover 3.5x9.5 DIN 7982
	<b>48436</b>	Plastic caps (flush-fit/surface doors)
	<b>48438</b>	Plastic cap (cabinets without door)
	<b>48511</b>	M5 reversible cap (Argenta door)
	<b>48439</b>	Turning bushes (flush-fit doors)
	<b>48539</b>	M6x23 Torx countersunk screw

All these accessories are supplied in 100-pieces bags.





Electrical enclosures for the  
industrial sector

## PLASTIC BOXES

PRYMA  
STAR  
ECOLOGY  
LIGHT

# PRYMA



## 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.

IP  
67

CE



### PRYMA Technical Specifications

- Degree of protection: IP67.
- Resistance to impact: IK08.
- Glow wire resistance: 650 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.
- Double insulation: Class II.

### 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 installation of industrial power sockets



# PRYMA

## IP67 boxes for industrial sockets



### Product series

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- Surface enclosures with a capacity of 9, 13 and 26 modules with transparent window.

### Material

---

- Halogen-free plastic materials, with UV protection.
- Body: ABS RAL 7035.
- Transparent window: PC tinted window.

### Supply

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- 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.

# PRYMA

## IP67 boxes for industrial sockets

### 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	DEPTH	20	25	
<b>178P</b>	1x9 DIN rail	284x222x122	1.21	13.2	16.5	19.8	23.1	26.4	67TC09
<b>178M</b>	1x9 DIN rail	369x222x130	1.38	16.9	21.1	25.4	29.6	33.8	67TC09M
<b>1712GM</b>	1x13 DIN rail	504x297x177	2.76	31.1	38.8	46.6	54.4	62.1	67TC13
<b>1724GM</b>	2x13 (26) DIN rail	504x297x177	2.84	31.1	38.8	46.6	54.4	62.1	67TC26

#### HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Frame and base in ABS RAL 7035 grey.

PC transparent window, tinted.

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**



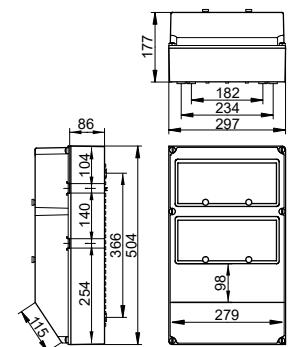
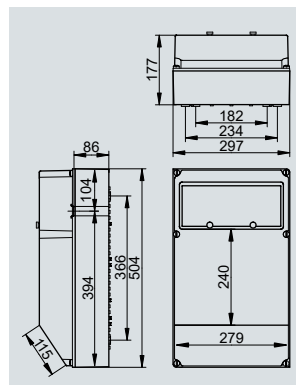
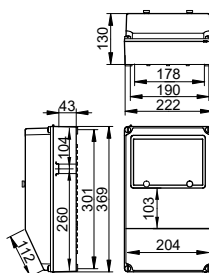
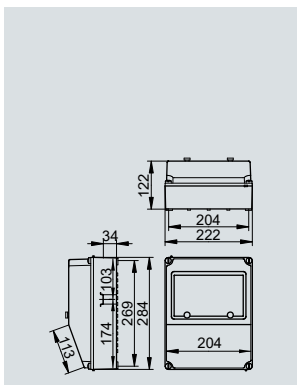
**1x9 modules**  
**178M**



**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, WITH UV PROTECTION

Frame and base in ABS RAL 7035 grey.

PC transparent window, tinted.

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

# PRYMA COMPLET

IP67 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](mailto: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 Complet boxes

### IP67 SCHUKO-TYPE FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
00105	2P+E	16A	250 V

### IP67 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02801	2P+E	16 A	200/250 V
03802	3P+E	16 A	380/415 V
03803	3P+N+E	16 A	200/415 V
02804	2P+E	32 A	200/250 V
03805	3P+E	32 A	380/415 V
03806	3P+N+E	32 A	200/415 V

See our full range of plugs and sockets on page 370

## PRYMA Accessories



TRANSPARENT  
WINDOW



SCREW FOR  
WINDOWS



RAIL SUPPORT



BOX HANDLE



CABLE GLAND

## 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

Ref.	Terminal		Cable section	
	N	E	NEUTRAL	EARTH
<b>22007</b>	4+2	4+2	2x(4-10 mm <sup>2</sup> )+4x(2.5-6 mm <sup>2</sup> )	2x(4-10 mm <sup>2</sup> )+4x(2.5-6 mm <sup>2</sup> )
<b>22008</b>	8+2	8+2	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+8x(2.5-6 mm <sup>2</sup> )	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+8x(2.5-6 mm <sup>2</sup> )
<b>22009</b>	12+2	12+2	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+12x(2.5-6 mm <sup>2</sup> )	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+12x(2.5-6 mm <sup>2</sup> )

### Accessories and screws

	Ref.
Box handle for mobile installations 140x40	<b>92110</b>
Box handle for mobile installations 110x35	<b>92110/1</b>
Frame fixing kit	<b>94280</b>
Support for padlock	<b>77670</b>
Metal support	<b>48205</b>
Rail support	<b>77430</b>
Grey module cover (6 modules)	<b>77590</b>
Hermetic caps (4 pieces)	<b>77650</b>
2.9x16 screw for bar support	<b>92620</b>
Stainless steel screw (4x16)	<b>94292</b>
Plastic nut for power sockets	<b>94293</b>

### Neutral and earth bars

	Ref.
Support + neutral and earth bar (4+2 entries)	<b>22007</b>
Support + neutral and earth bar (8+2 entries)	<b>22008</b>
Support + neutral and earth bar (12+2 entries)	<b>22009</b>

### Bushings and cable glands

	Ref.
M25 bushing	<b>94273</b>
M40 bushing	<b>94274</b>
M25 cable gland IP68-69	<b>92580</b>
M32 cable gland IP68-69	<b>92582</b>
M40 cable gland IP68-69	<b>92584</b>
M25 cable gland nut	<b>92581</b>
M32 cable gland nut	<b>92583</b>
M40 cable gland nut	<b>92585</b>

### Transparent windows

	Ref.
9 modules	<b>86020</b>
13 modules (92640 must be requested)	<b>86040</b>
M4x15 screws for windows	<b>92640</b>

# STAR



## 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.

IP  
65

CE

DVE



STAR

### STAR Technical Specifications

- Degree of protection: IP65.
- Resistance to impact: IK08.
- Glow wire resistance: 650 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.
- Double insulation: Class II.

### STAR Certifications

CE

DVE

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



# STAR

## IP65 boxes for industrial sockets



### Product series

- Surface enclosures with a capacity of 4, 6, 9, 12, 18, 24 and 36 modules with transparent window.
- Interface box to provide greater capacity.

### Material

- Halogen-free plastic materials, with UV protection.
- Enclosure: ABS RAL 7035.
- Transparent window: PC tinted window.

### 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.
  - Assembly instructions.

Enclosures for surface installation, intended for housing power sockets or control and signalling elements

### 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

Ref. No.	Terminal		Cable section	
	N	E	NEUTRAL	EARTH
22007	4+2	4+2	4x(2,5-6 mm <sup>2</sup> )+2x(4-10 mm <sup>2</sup> )	4x(2,5-6 mm <sup>2</sup> )+2x(4-10 mm <sup>2</sup> )
22001	8+1	8+1	5x(2,5-6 mm <sup>2</sup> )+3x(4-10 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	5x(2,5-6 mm <sup>2</sup> )+3x(4-10 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
22002	12+2	12+2	6x(2,5-6 mm <sup>2</sup> )+6x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	6x(2,5-6 mm <sup>2</sup> )+6x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
22003	16+2	16+2	8x(2,5-6 mm <sup>2</sup> )+8x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	8x(2,5-6 mm <sup>2</sup> )+8x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
22019	5+1	-	1x(16-35 mm <sup>2</sup> )+5x(10-25 mm <sup>2</sup> )	-



## Base

- Base with double height providing greater space on the inside for wiring and devices, and a reinforcement rib that delivers greater rigidity.
- 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.

## DIN rail attachment

- The rail is clipped and screwed to the base. The rails are supplied assembled in the base.

## 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, ref. 77650) 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 and the front of the box have protection from dust and water. The front side includes a sealing gasket on the window that guarantees the IP 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 captive screws (supplied in the accessory bag).



## Window

- Transparent tinted windows, with UV protection.
- The window has reinforcement ribs to provide rigidity and pressure on the sealing gasket of the frame that guarantees IP protection of the assembly.
- Handle with vertical opening in 4, 6 and 9-modules models, and 180° reversible horizontal window opening in 12, 18, 24 and 36-module models.
- 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).

## 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°.
- 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
				20	25	30	35	40	
<b>CSNPLUS</b>	-	HEIGHT X WIDTH X DEPTH	KG						
<b>CSN4PT</b>	1x4 DIN rail	385x102x105	0.55	14.6	18.3	21.9	25.6	29.2	65TC00
<b>CSN6PT</b>	1x6 DIN rail	436x142x137	1.09	10.0	12.5	15.0	17.5	20.0	65TC04
<b>CSN9PT</b>	1x9 DIN rail	436x210x137	1.38	15.5	19.4	23.3	27.1	31.0	65TC06
<b>CSN12PT</b>	1x12 DIN rail	436x310x147	1.97	19.3	24.1	29.0	33.8	38.6	65TC09
<b>CSN18PT</b>	1x18 DIN rail	436x418x147	2.51	25.8	32.2	38.7	45.1	51.6	65TC12
<b>CSN24PT</b>	2x12 (24) DIN rail	688x310x147	3.44	32.0	39.9	47.9	55.9	63.9	65TC18
<b>CSN36PT</b>	2x18 (36) DIN rail	728x418x147	4.54	37.1	46.4	55.7	65.0	74.3	65TC24
				49.5	61.8	74.2	86.6	98.9	65TC36

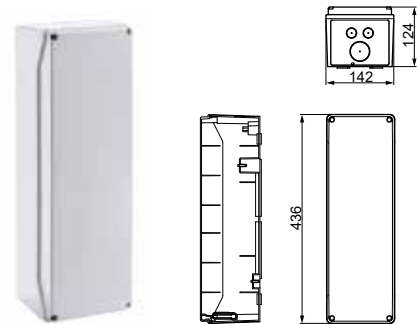
#### HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Frame and base in ABS RAL 7035 grey.

PC transparent window, tinted.

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.



#### CSNPLUS

TOP: 2xM20 - 1xM40  
 BOTTOM: 2xM20 - 1xM40  
 REAR OBLONG: 2xOB25x25



#### 1x4 modules CSN4PT

REAR: 2xM20



#### 1x6 modules CSN6PT

TOP: 2xM20 - 1xM40  
 BOTTOM: 2xM20 - 1xM40  
 REAR OBLONG: 2xOB25x25



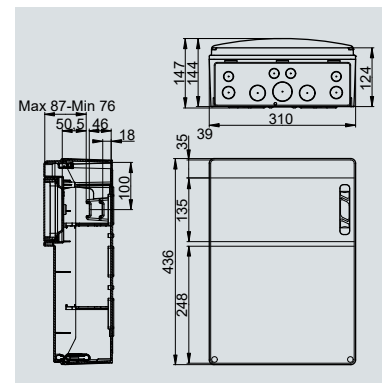
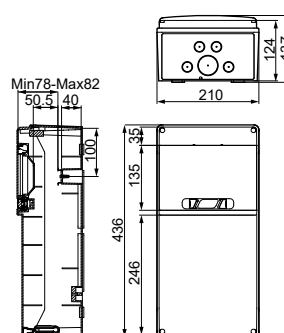
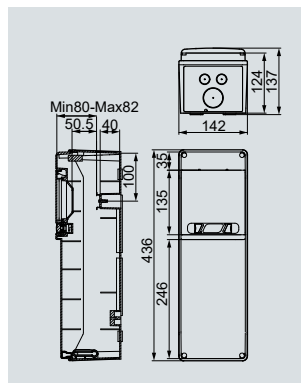
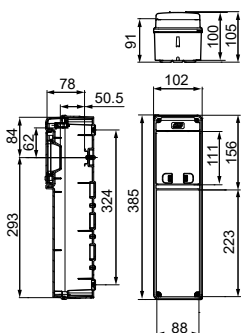
#### 1x9 modules CSN9PT

TOP: 4xM20 - 1xM40  
 BOTTOM: 4xM20 - 1xM40  
 REAR OBLONG: 2xOB25x25



#### 1x12 modules CSN12PT

TOP: 8xM20-2xM25/32-1xM40  
 BOTTOM: 4xM20-2xM25-2xM32-1xM40  
 REAR OBLONG: 2xOB 25/32/25



## 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						
<b>CSNPLUS/RR</b>	-	436x142x124	1.08	10.5	13.2	15.8	18.4	21.0	65TC00
<b>CSN4PT/R</b>	1x4 DIN rail	385x102x105	0.59	10.0	12.5	15.0	17.5	20.0	65TC04
<b>CSN6PT/RR</b>	1x6 DIN rail	436x142x137	1.17	14.3	17.9	21.5	25.1	28.7	65TC06
<b>CSN9PT/RR</b>	1x9 DIN rail	436x210x137	1.47	16.7	20.9	25.1	29.2	33.4	65TC09
<b>CSN12PT/RR</b>	1x12 DIN rail	436x310x147	2.14	24.1	30.1	36.1	42.1	48.2	65TC12
<b>CSN18PT/RR</b>	1x18 DIN rail	436x418x147	2.70	30.0	37.5	45.1	52.6	60.1	65TC18
<b>CSN24PT/RR</b>	2x12 (24) DIN rail	688x310x147	3.89	30.4	38.0	45.7	53.3	60.9	65TC24
<b>CSN36PT/RR</b>	2x18 (36) DIN rail	728x418x147	5.00	49.5	61.8	74.2	86.6	98.8	65TC36

### HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Frame and base in ABS RAL 7035 grey.

Transparent PC tinted window.

IP65 - Surface.

/RR: With neutral and earth bars.

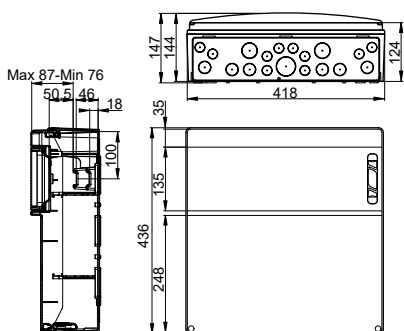
/R: With connection terminal.

\* 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.



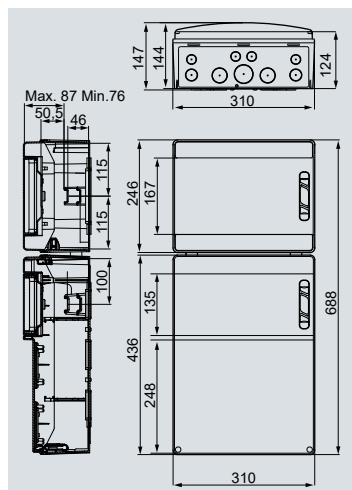
### 1x18 modules CSN18PT

TOP: 12xM20-6xM25-2xM32-1xM40  
BOTTOM: 10xM20-6xM25-2xM32-1xM40  
REAR OBLONG: 2xOB 25/32/25



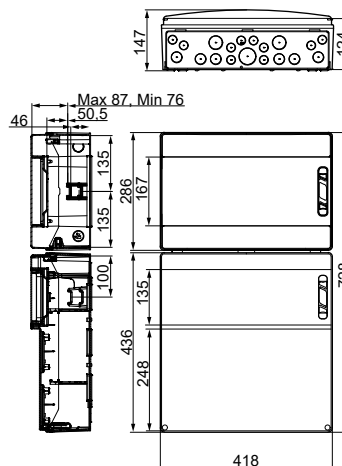
### 2x12 (24) modules CSN24PT

TOP: 6xM20-2xM25-2xM32-1xM40  
BOTTOM: 4xM20-2xM25-1xM40  
REAR OBLONG: 4xOB 25/32/25



### 2x18 (36) modules CSN36PT

TOP: 1xM40-2xM32-6xM25-12xM20  
BOTTOM: 1xM40-2xM32-6xM25-10xM20  
REAR OBLONG: 4xOB25/32/25



# STAR KNOCK-OUT

## IP65 boxes for industrial sockets with knock-out lids



### Product series

- Surface enclosures with a capacity 6, 9, 12, 18, 24 and 36 modules with transparent window.
- Wall-mounted enclosures with knock-out and interchangeable covers, to install different types of sockets with multiple combinations.
- Interface box available to provide greater capacity.

### Material

- Halogen-free plastic materials, with UV protection.
- Base: ABS RAL 7035.
- Transparent window: PC tinted window.

### 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.
  - Assembly instructions.

## Watertight boxes for installation of industrial sockets

### Interchangeable covers

The enclosure is supplied with the interchangeable covers as below:

Reference No.	Plain covers	16A/ IP67 Schuko-type covers	IP44/IP54 Schuko-type covers
	REF. 94270	REF. 94271	REF. 94272
PCSNPLUS	3	1	1
PCSN6PT	2	1	1
PCSN9PT	4	2	2
PCSN12PT	6	2	2
PCSN18PT	8	3	4
PCSN24PT	6	2	2
PCSN36PT	8	3	4

## Knock-out lids

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	16 A 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-type cover: Supplied in the box. Screw-in and clip-on cover for Schuko-type socket installation.	Schuko-type	16	2P+E	IP44 - IP54

## Possibility of lids



### 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.

- 16 A (3P+N+E) - IP44-IP67.

- 32 A IP44-IP67.

### 2. 16A COVER (Ref. 94271)

Screw-in cover for socket installation:

- 16 A (2P+E) (3P+E) - IP44-IP67.

- Schuko-type 16 A - IP67.

### 3. SCHUKO-TYPE COVER (Ref. 94272)

Screw-in and clip-on cover for Schuko-type 16 A sockets - IP44-IP54.

# STAR KNOCK-OUT

## IP65 boxes for industrial sockets with knock-out lids

### 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
<b>PCSNPLUS</b>	-	HEIGHT X WIDTH X DEPTH		KG						
<b>PCSN6PT</b>	1x6 DIN rail	436x142x124	5	1.09	14.6	18.3	21.9	25.6	29.2	65TC00TR
<b>PCSN9PT</b>	1x9 DIN rail	436x210x137	4	1.17	15.5	19.4	23.3	27.1	31.0	65TC06TR
<b>PCSN12PT</b>	1x12 DIN rail	436x310x147	8	1.56	19.3	24.1	29.0	33.8	38.6	65TC09TR
<b>PCSN18PT</b>	1x18 DIN rail	436x418x147	10	2.08	25.8	32.2	38.7	45.1	51.6	65TC12TR
<b>PCSN24PT</b>	1x18 DIN rail	436x418x147	15	2.77	32.0	39.9	47.9	55.9	63.9	65TC18TR
<b>PCSN24PT</b>	2x12 (24) DIN rail	688x310x147	10	3.70	37.1	46.4	55.7	65.0	74.3	65TC24TR
<b>PCSN36PT</b>	2x18 (36) DIN rail	728x418x147	15	5.05	49.5	61.8	74.2	86.6	98.9	65TC36TR

#### HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Frame and base in ABS RAL 7035 grey.

Transparent PC tinted window.

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.



#### PCSNPLUS

TOP: 2xM20 - 1xM40  
 BOTTOM: 2xM20 - 1xM40  
 OBLONG REAR: 2xOB25x25



#### 1x6 modules PCSN6PT

TOP: 2xM20 - 1xM40  
 BOTTOM: 2xM20 - 1xM40  
 OBLONG REAR: 2xOB25x25



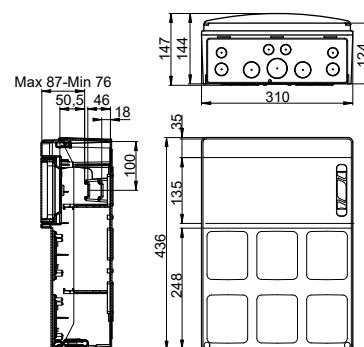
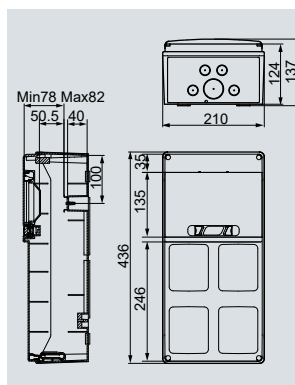
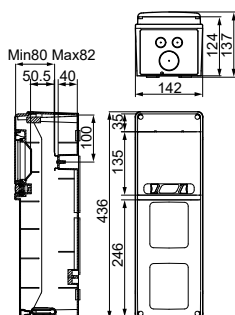
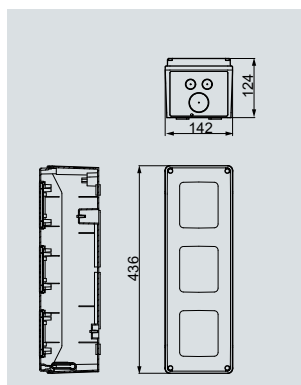
#### 1x9 modules PCSN9PT

TOP: 4xM20 - 1xM40  
 BOTTOM: 4xM20 - 1xM40  
 OBLONG REAR: 2xOB25x25



#### 1x12 modules PCSN12PT

TOP: 8xM20-2xM25/32-1xM40  
 BOTTOM: 4xM20-2xM25-2xM32-1xM40  
 OBLONG REAR: 2xOB 25/32/25



**IP65 boxes for industrial sockets. With knock-out lids. With neutral and earth bars**

Reference No.	No. of modules	Dimensions	No. of covers	Weight KG	Power dissipation according to temperature increase °C P(W)*					Type
					20	25	30	35	40	
<b>PCSNPLUS/RR</b>	-	HEIGHT X WIDTH X DEPTH 436x142x124	5	1.17	14.6	18.3	21.9	25.6	29.2	65TC00TR
<b>PCSN6PT/RR</b>	1x6 DIN rail	436x142x137	4	1.25	15.5	19.4	23.3	27.1	31.0	65TC06TR
<b>PCSN9PT/RR</b>	1x9 DIN rail	436x210x137	8	1.64	19.3	24.1	29.0	33.8	38.6	65TC09TR
<b>PCSN12PT/RR</b>	1x12 DIN rail	436x310x147	10	2.23	25.8	32.2	38.7	45.1	51.6	65TC12TR
<b>PCSN18PT/RR</b>	1x18 DIN rail	436x418x147	15	3.07	32.0	39.9	47.9	55.9	63.9	65TC18TR
<b>PCSN24PT/RR</b>	2x12 (24) DIN rail	688x310x147	10	3.89	37.1	46.4	55.7	65.0	74.3	65TC24TR
<b>PCSN36PT/RR</b>	2x18 (36) DIN rail	728x418x147	15	5.37	49.5	61.8	74.2	86.6	98.9	65TC36TR

**HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION**

Frame and base in ABS RAL 7035 grey.

Transparent PC tinted window.

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.



**1x18 modules  
PCSN18PT**

TOP: 12xM20-6xM25/32-1xM40  
 BOTTOM: 10xM20-6xM25-2xM32-1xM40  
 OBLONG REAR: 2xOB 25/32/25



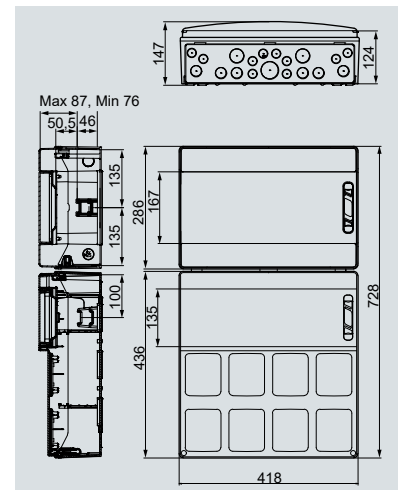
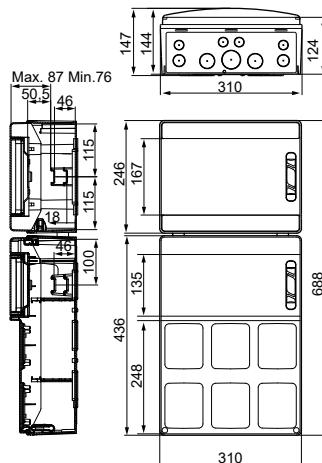
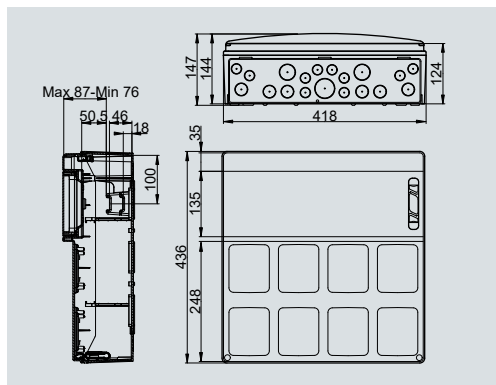
**2x12 (24) modules  
PCSN24PT**

TOP: 6xM20-2xM25-2xM32-1xM40  
 BOTTOM: 4xM20-2xM25-2xM32-1xM40  
 OBLONG REAR: 4xOB 25/32/25



**2x18 (36) modules  
PCSN36PT**

TOP: 1xM40-2xM32-6xM25-12xM20  
 BOTTOM: 1xM40-2xM32-6xM25-10xM20  
 OBLONG REAR: 4xOB25/32/25





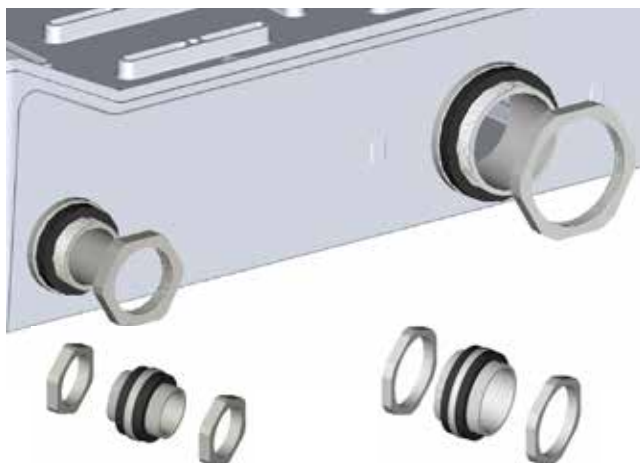
# ECO-STAR SYSTEM

## Ecology Series (Distribution boxes) + Star Series (Boxes for industrial sockets)

The Eco-Star system gives the possibility of joining the IP65 watertight distribution boxes (Ecology series) and IP65 boxes for industrial sockets (Star series), to create large-sized assemblies and modular capacity.

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

They have ample room for cables and extensive modular capacity. Intended for indoor and outdoor uses, wherever a high degree of protection and safety is required.



REF. 94273: M25 BUSHING

REF. 94274: M40 BUSHING

## Join system

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.

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.

## Different joining possibilities and combinations



CDN24PT+CSN12PT



CSN12PT+PCSNPLUS



PCSN12PT+PCSN6PT

## STAR + Additional module



Reference No.	No. of modules	Weight	Components	
			References	
		KG		
<b>CSN12PT/PLUS</b>	1x12 DIN rail + Additional	2.96	CSN12PT	CSNPLUS

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x452x147 mm.  
 IP65 - Surface.



Reference No.	No. of modules	Weight	Components	
			References	
		KG		
<b>CSN18PT/PLUS</b>	1x18 DIN rail + Additional	3.50	CSN18PT	CSNPLUS

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x560x147 mm.  
 IP65 - Surface.



Reference No.	No. of modules	Weight	Components		
			References	No. of lids	
		KG			
<b>PCSN12PT/PLUS</b>	1x12 DIN rail + Additional	3.17	PCSN12PT	PCSNPLUS	15

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x452x147 mm.  
 IP65 - Surface.



Reference No.	No. of modules	Weight	Components		
			References	No. of lids	
		KG			
<b>PCSN18PT/PLUS</b>	1x18 DIN rail + Additional	3.86	PCSN18PT	PCSNPLUS	20

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x560x147 mm.  
 IP65 - Surface.

## ECOLOGY + Additional module



Reference No.	No. of modules	Weight	Components		
			References	No. of lids	
		KG			
<b>CDN24PT/PLUS</b>	2x12 (24) DIN rail + Additional	3.50	CDN24PT	PCSNPLUS	5

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x452x147 mm.  
 IP65 - Surface.



Reference No.	No. of modules	Weight	Components		
			References	No. of lids	
		KG			
<b>CDN36PT2F/PLUS</b>	2x18 (36) DIN rail + Additional	4.02	CDN36PT2F	PCSNPLUS	5

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x560x147 mm.  
 IP65 - Surface.

The boxes are supplied disassembled. Mounting accessories are included.

# STAR

## IP65 boxes for industrial sockets

### Special assemblies

4 DIFFERENT POSSIBILITIES.

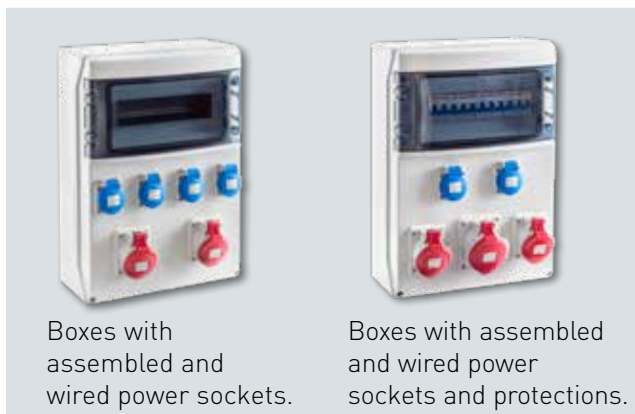
#### ASSEMBLE IT YOURSELF



Plain boxes.

Boxes with knock-out covers.

#### ORDER FROM THE FACTORY



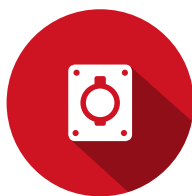
Boxes with assembled and wired power sockets.

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](mailto: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	16 A	44
00452	2P+E	16 A	54
00105	2P+E	16 A	67

#### IP44 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02301	2P+E	16 A	200/250 V
03302	3P+E	16 A	380/415 V
03303	3P+N+E	16 A	200/415 V
02304	2P+E	32 A	200/250 V
03305	3P+E	32 A	380/415 V
03306	3P+N+E	32 A	200/415 V

#### IP67 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02801	2P+E	16 A	200/250 V
03802	3P+E	16 A	380/415 V
03803	3P+N+E	16 A	200/415 V
02804	2P+E	32 A	200/250 V
03805	3P+E	32 A	380/415 V
03806	3P+N+E	32 A	200/415 V

See our full range of plugs and sockets on page 370

## STAR Accessories



NEUTRAL AND EARTH BAR STRUCTURE

BOX HANDLE

SECURITY KEY FOR WINDOW OR TRIANGLE KEY

METAL SUPPORT

BUSHING M25 - M40

### Accessories and screws

	Ref.
Box handle for mobile installations 140x40	92110
Box handle for mobile installations 110x35	92110/1
Metal support	48205
Grey module cover (6 modules)	77590
M20 membrane cap	92589
M25 membrane cap	92590
M32 membrane cap	92591
Hermetic caps (4 pieces)	77650
Base frame internal hinge	77020
Window hinge	22012
4x13 Screws for bar support and for securing the 94270 and 94272 covers	92611
4x19 Screws for bar support and for securing the 94271 covers	94292

### Locks

	Ref.
Security lock with key	92150
Triangle lock (2 pieces) + key (1 piece)	92000
Standard lock	22010

### Bushings and cable glands

	Ref.
M25 bushing	94273
M40 bushing	94274
M25 cable gland IP68-69	92580
M32 cable gland IP68-69	92582
M40 cable gland IP68-69	92584
M25 cable gland nut	92581
M32 cable gland nut	92583
M40 cable gland nut	92585

### Transparent windows

	Ref.
4 modules	86490
6 modules	86570
9 modules	86580
12 modules	86550
18 modules	86560
24 modules	86550+86430

### Neutral and earth bars

	Ref.
Connection terminal	22019
Support + neutral and earth bar (4+2 entries)	22007
Support + neutral and earth bar (8+1 entries)	22001
Support + neutral and earth bar (12+2 entries)	22002
Support + neutral and earth bar (16+2 entries)	22003

### Knock-out covers

	Ref.
Plain cover*	94270
16A cover**	94271
Schuko-type cover*	94272
4x13 screws	92611
4x19 screws	94292

\* Screws Ref. 92611 must be requested for fixing.  
 \*\* Screws Ref. 94292 must be requested for fixing.

# ECOLOGY



## IP65 Surface 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.

The design allows installation together with STAR socket boxes to create large distribution and supply boards. For both indoor and outdoor use, provided the components meet the required standards.



### ECOLOGY Technical Specifications

- **Degree of protection:** IP65.
- **Resistance to impact:** IK08.
- **Glow wire resistance:**
  - ABS: 650 °C.
  - Polycarbonate: 750 °C.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum operating voltage:** 1000 V AC/1500 V DC.
- **Double insulation:** Class II.

### ECOLOGY Certifications



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

Intended for industrial and outdoor facilities  
where a high degree of protection and safety is  
required

# ECOLOGY

## IP65 distribution boxes



### 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, with UV protection.
- Base and frame: ABS RAL 7035 grey.
- Transparent window: PC tinted window.

#### Polycarbonate version

- Halogen-free plastic materials, with UV protection.
- Base and frame: PC RAL 7035 grey.
- Transparent window: PC tinted window.  
Recommended for outdoor use.

### 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 UV-ray resistant with a 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.

## 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, except CDN4G box with 90° vertical 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.

## 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, ref. 77650) 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.



# ECOLOGY

## IP65 distribution boxes

### IP65 surface distribution boxes (ABS)

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				20	25	30	35	40	
		HEIGHTXWIDTHXDEPTH	KG						
<b>CDN4G</b>	1x4 DIN rail	177x102x105	0.35	5.0	6.2	7.5	8.7	10.0	65SG4
<b>CDN4PT</b>	1x4 DIN rail	231x166x113	0.75	8.9	11.1	13.3	15.5	17.8	65S04
<b>CDN6PT</b>	1x6 DIN rail	231x202x113	0.84	10.1	12.6	15.1	17.7	20.2	65S06
<b>CDN8PT</b>	1x8 DIN rail	231x238x118	0.95	11.6	14.5	17.4	20.3	23.1	65S08
<b>CDN12PT</b>	1x12 DIN rail	246x310x148	1.40	16.6	20.7	24.8	29.0	33.1	65S12
<b>CDN18PT</b>	1x18 DIN rail	286x418x148	1.97	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 298.

### IP65 surface distribution boxes (Polycarbonate)

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				20	25	30	35	40	
		HEIGHTXWIDTHXDEPTH	KG						
<b>CDP4PT</b>	1x4 DIN rail	231x166x113	0.81	8.9	11.1	13.3	15.5	17.8	65S04
<b>CDP6PT</b>	1x6 DIN rail	231x202x113	0.83	10.1	12.6	15.1	17.7	20.2	65S06
<b>CDP8PT</b>	1x8 DIN rail	231x238x118	0.96	11.6	14.5	17.4	20.3	23.1	65S08
<b>CDP12PT</b>	1x12 DIN rail	246x310x148	1.51	16.6	20.7	24.8	29.0	33.1	65S12
<b>CDP18PT</b>	1x18 DIN rail	286x418x148	2.03	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 298.

#### HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window.

IP65 - Surface - Sealable.

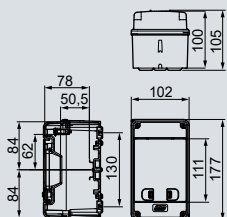
\* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

**NEW**



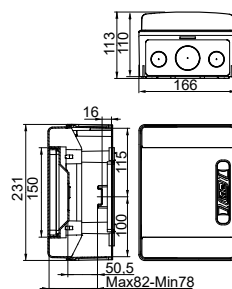
**1x4 modules  
CDN4G**

TOP: 1xM25



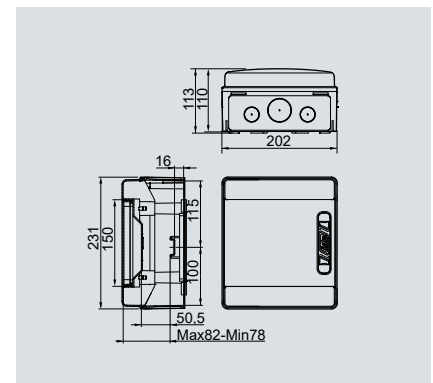
**1x4 modules  
CDN4PT**

TOP: 2xM25-1xM40  
BOTTOM: 2xM25-1xM40  
OBLONG REAR: 2xOB25/25



**1x6 modules  
CDN6PT**

TOP: 2xM25-1xM40  
BOTTOM: 2xM25-1xM40  
OBLONG REAR: 2xOB25/25



## IP65 surface distribution boxes. With neutral and earth bars (ABS)

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHT X WIDTH X DEPTH	KG	20	25	30	
CDN4G/R	1x4 DIN rail	177x102x105	0.37	5.0	6.2	7.5	8.7	10.0	65S4G
CDN4PT/RR	1x4 DIN rail	231x166x113	0.82	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 299.

## IP65 surface distribution boxes. With neutral and earth bars (Polycarbonate)

Reference No.	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/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 299.

### HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window.

IP65 - Surface - Sealable.

/RR: With neutral and earth bars.

/R: With connection terminal.

\* 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



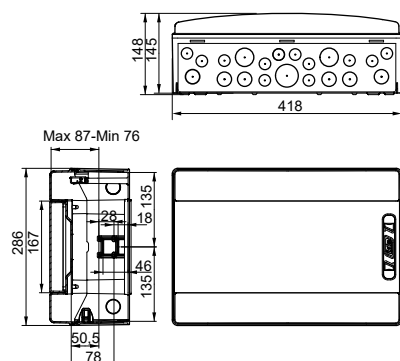
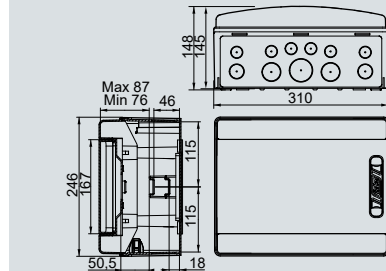
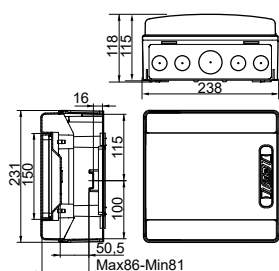
**1x12 modules  
CDN12PT**

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



# ECOLOGY

## IP65 distribution boxes

### IP65 surface distribution boxes (ABS)

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHT	WIDTH	DEPTH	20	25	
<b>CDN24PT</b>	2x12 (24) DIN rail	436x310x148	2.26	25.9	32.3	38.8	45.3	51.7	65S24
<b>CDN36PT2F</b>	2x18 (36) DIN rail	436x418x148	3.03	32.1	40.1	48.1	56.1	64.1	65S36
<b>CDN36PT3F</b>	3x12 (36) DIN rail	586x310x148	3.21	33.2	41.5	49.8	58.1	66.5	65S36
<b>CDN54PT</b>	3x18 (54) DIN rail	586x418x148	3.97	41.0	51.2	61.5	71.7	82.0	65S54

### IP65 surface distribution boxes (Polycarbonate)

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHT	WIDTH	DEPTH	20	25	
<b>CDP24PT</b>	2x12 (24) DIN rail	436x310x148	2.51	25.9	32.3	38.8	45.3	51.7	65S24
<b>CDP36PT2F</b>	2x18 (36) DIN rail	436x418x148	3.41	32.1	40.1	48.1	56.1	64.1	65S36
<b>CDP36PT3F</b>	3x12 (36) DIN rail	586x310x148	3.59	33.2	41.5	49.8	58.1	66.5	65S36
<b>CDP54PT</b>	3x18 (54) DIN rail	586x418x148	4.07	41.0	51.2	61.5	71.7	82.0	65S54

#### HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window.

IP65 - Surface - Sealable.

\* 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

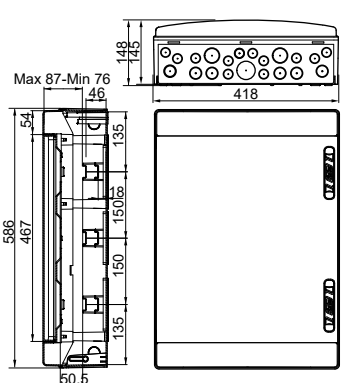
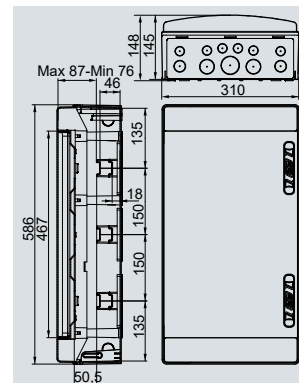
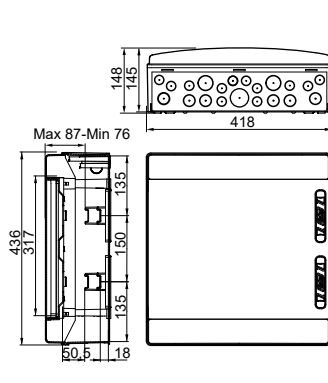
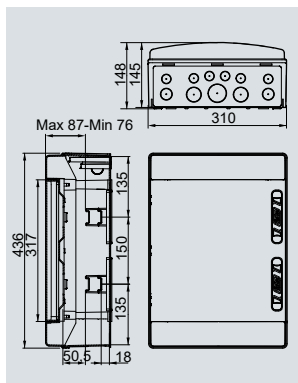
TOP: 12xM20-6xM25-2xM32-1xM40  
BOTTOM: 12xM20-6xM25-2xM32-1xM40  
INT: 4xM25  
OBLONG REAR: 2xOB 25/32/25

#### 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 surface distribution boxes. With neutral and earth bars (ABS)

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHTXWIDTHXDEPTH	KG	20	25	30	
<b>CDN24PT/RR</b>	2x12 (24) DIN rail	436x310x148	2.54	25.9	32.3	38.8	45.3	51.7	65S24
<b>CDN36PT2F/RR</b>	2x18 (36) DIN rail	436x418x148	3.18	32.1	40.1	48.1	56.1	64.1	65S36
<b>CDN36PT3F/RR</b>	3x12 (36) DIN rail	586x310x148	3.36	33.2	41.5	49.8	58.1	66.5	65S36
<b>CDN54PT/RR</b>	3x18 (54) DIN rail	586x418x148	4.29	41.0	51.2	61.5	71.7	82.0	65S54

## IP65 surface distribution boxes. With neutral and earth bars (Polycarbonate)

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				HEIGHTXWIDTHXDEPTH	KG	20	25	30	
<b>CDP24PT/RR</b>	2x12 (24) DIN rail	436x310x148	2.77	25.9	32.3	38.8	45.3	51.7	65S24
<b>CDP36PT2F/RR</b>	2x18 (36) DIN rail	436x418x148	3.56	32.1	40.1	48.1	56.1	64.1	65S36
<b>CDP36PT3F/RR</b>	3x12 (36) DIN rail	586x310x148	3.74	33.2	41.5	49.8	58.1	66.5	65S36
<b>CDP54PT/RR</b>	3x18 (54) DIN rail	586x418x148	4.67	41.0	51.2	61.5	71.7	82.0	65S54

### HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window.

IP65 - Surface - Sealable.

/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

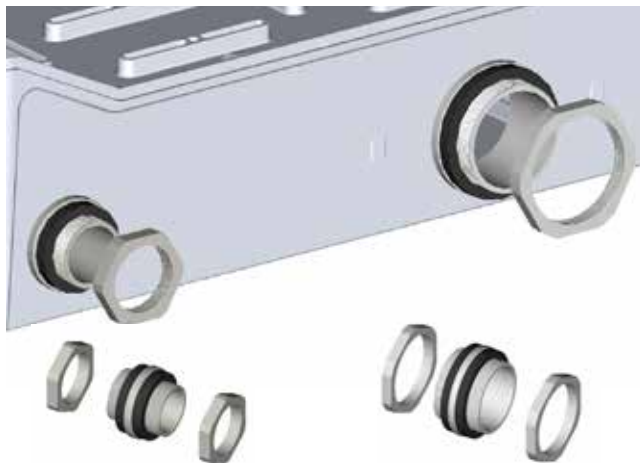
# ECO-STAR SYSTEM

## Ecology Series (Distribution boxes) + Star Series (Boxes for industrial sockets)

The Eco-Star system gives the possibility of joining the IP65 watertight distribution boxes (Ecology series) and IP65 boxes for industrial sockets (Star series), to create large-sized assemblies and modular capacity.

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

They have ample room for cables and extensive modular capacity. Intended for indoor and outdoor uses, wherever a high degree of protection and safety is required.



REF. 94273: M25 BUSHING

REF. 94274: M40 BUSHING

## Join system

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.

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.

## Different joining possibilities and combinations



CDN24PT+CSN12PT



CSN12PT+PCSNPLUS



PCSN12PT+PCSN6PT

## STAR + Additional module



Reference No.	No. of modules	Weight	Components	
			References	
KG				
<b>CSN12PT/PLUS</b>	1x12 DIN rail + Additional	3.45	CSN12PT	CSNPLUS

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x452x147 mm.  
 IP65 - Surface.



Reference No.	No. of modules	Weight	Components	
			References	
KG				
<b>CSN18PT/PLUS</b>	1x18 DIN rail + Additional	3.62	CSN18PT	CSNPLUS

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x560x147 mm.  
 IP65 - Surface.



Reference No.	No. of modules	Weight	Components		
			References	No. of lids	
KG					
<b>PCSN12PT/PLUS</b>	1x12 DIN rail + Additional	3.45	PCSN12PT	PCSNPLUS	15

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x452x147 mm.  
 IP65 - Surface.



Reference No.	No. of modules	Weight	Components		
			References	No. of lids	
KG					
<b>PCSN18PT/PLUS</b>	1x18 DIN rail + Additional	4.13	PCSN18PT	PCSNPLUS	20

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x560x147 mm.  
 IP65 - Surface.

## ECOLOGY + Additional module



Reference No.	No. of modules	Weight	Components		
			References	No. of lids	
KG					
<b>CDN24PT/PLUS</b>	2x12 [24] DIN rail + Additional	3.58	CDN24PT	PCSNPLUS	5

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x452x147 mm.  
 IP65 - Surface.



Reference No.	No. of modules	Weight	Components		
			References	No. of lids	
KG					
<b>CDN36PT2F/PLUS</b>	2x18 [36] DIN rail + Additional	4.29	CDN36PT2F	PCSNPLUS	5

**HALOGEN-FREE PLASTIC MATERIALS**  
**FINISH:** Grey RAL 7035 with transparent window.  
**DIMENSIONS:** 436x560x147 mm.  
 IP65 - Surface.

Boxes are supplied disassembled. Mounting accessories are included.

# ECOLOGY

## IP65 distribution boxes

### 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

Ref. No.	Terminal I		Terminal II		Cable section	
	N	E	N	E	NEUTRAL	EARTH
22000	4+1	4+1	-	-	1x(16-35 mm <sup>2</sup> )+2x(2.5-6 mm <sup>2</sup> )+2x(4-10 mm <sup>2</sup> )	1x(16-35 mm <sup>2</sup> )+2x(2.5-6 mm <sup>2</sup> )+2x(4-10 mm <sup>2</sup> )
22001	8+1	8+1	-	-	5x(2.5-6 mm <sup>2</sup> )+3x(4-10 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	5x(2.5-6 mm <sup>2</sup> )+3x(4-10 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
22002	12+2	12+2	-	-	6x(2.5-6 mm <sup>2</sup> )+6x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	6x(2.5-6 mm <sup>2</sup> )+6x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
22003	16+2	16+2	-	-	8x(2.5-6 mm <sup>2</sup> )+8x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	8x(2.5-6 mm <sup>2</sup> )+8x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
22004	24+2	-	-	24+2	12x(2.5-6 mm <sup>2</sup> )+12x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	12x(2.5-6 mm <sup>2</sup> )+12x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
22005	32+4	-	-	32+4	16x(2.5-6 mm <sup>2</sup> )+16x(4-10 mm <sup>2</sup> )+2x(10-25 mm <sup>2</sup> )+2x(16-35 mm <sup>2</sup> )	16x(2.5-6 mm <sup>2</sup> )+16x(4-10 mm <sup>2</sup> )+2x(10-25 mm <sup>2</sup> )+2x(16-35 mm <sup>2</sup> )
22019	5+1	-	-	-	1x(16-35 mm <sup>2</sup> )+5x(10-25 mm <sup>2</sup> )	-



## ECOLOGY Accessories

<b>Miscellaneous</b>		<b>Ref.</b>
Interior frame-base hinge (24-36-54 mod.) (2 pieces)	<b>77020</b>	
Cover-base locking screws	<b>77200</b>	
Window hinge	<b>22012</b>	
Grey module cover (6 modules)	<b>77590</b>	
Hermetic caps (4 pieces)	<b>77650</b>	
M20 membrane cap	<b>92589</b>	
M25 membrane cap	<b>92590</b>	
M32 membrane cap	<b>92591</b>	
4x13 screw for bar support	<b>92611</b>	

<b>Locks</b>		<b>Ref.</b>
Standard lock	<b>22010</b>	
Security lock with key	<b>92150</b>	
Triangle lock (2 pieces) + key (1 piece)	<b>92000</b>	

<b>Neutral and earth bars</b>		<b>For Mod.</b>	<b>Ref.</b>
Connection terminal (5+1)	4	<b>22019</b>	
Support + neutral and earth bar (4+1 entries)	4/6	<b>22000</b>	
Support + neutral and earth bar (8+1 entries)	8	<b>22001</b>	
Support + neutral and earth bar (12+2 entries)	12	<b>22002</b>	
Support + neutral and earth bar (16+2 entries)	18/24	<b>22003</b>	
Support + neutral and earth bar (24+2 entries)	36	<b>22004</b>	
Support + neutral and earth bar (32+4 entries)	5	<b>22005</b>	

<b>Transparent windows</b>		<b>Ref.</b>
4 modules (CDN4G)	<b>86490</b>	
4 modules (CDN4PT)	<b>86400</b>	
6 modules	<b>86410</b>	
8 modules	<b>86420</b>	
12 modules	<b>86430</b>	
18 modules	<b>86520</b>	
24 modules	<b>86440</b>	
36 modules (2 rows)	<b>86450</b>	
36 modules (3 rows)	<b>86460</b>	
54 modules	<b>86470</b>	

<b>Bushings and cable glands</b>		<b>Ref.</b>
M25 bushing	<b>94273</b>	
M40 bushing	<b>94274</b>	
M25 cable gland IP68-69	<b>92580</b>	
M32 cable gland IP68-69	<b>92582</b>	
M40 cable gland IP68-69	<b>92584</b>	
M25 cable gland nut	<b>92581</b>	
M32 cable gland nut	<b>92583</b>	
M40 cable gland nut	<b>92585</b>	



# LIGHT



## IP65-IP67 Watertight junction boxes

The LIGHT series is a set of watertight surface boxes intended for electrical junctions or for 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.

IP  
65IP  
67

CE



LIGHT

## 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.
- **Double insulation:** Class II.

\* Except ref. EP048, EP088 and EX088 (IP54).

## LIGHT Certifications



Compliant with the Low Voltage Directive 2014/35/EU.  
Standards: IEC 60998-2-5 and IEC 60670-22.

Intended for industrial and outdoor facilities.  
where a high degree of protection against dust and  
impacts is required

# LIGHT

## IP65-IP67 junction 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.
- EP048 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: PVC.

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		207	92722
65DS/GS322	Vertical		187		207	92722
	Horizontal		262		271	92714



## Base

- The junction and motor-protection boxes are available in three versions:
  - Plain sides.
  - Sides with closed knock-outs, adapted to the metric and easy to remove.
  - Sides 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 306).
- 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 plastic screws made captive by means of a clip located on the cover. The covers of the references EP048 and EP088 are clipped without screws.
- 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, except model 322.



## 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 material in PVC 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.

## Hinges

- Option to fit hinges between the cover and the base for all models of boxes and motor housings.
- The hinges come with markings showing the position of the screws for their attachment.

### Ø of rings depending on cone model

Cones	Size 1	Size 2	Size 3	Size 4	Size 5
<b>M25</b>	-	-	20 mm	16 mm	20 mm <sup>2</sup>
<b>M40</b>	32 mm	25 mm	-	16 mm	20 mm <sup>2</sup>

# LIGHT

## IP65-IP67 junction boxes

### Boxes with opaque cover

Ref. No.	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	
<b>HEIGHT X WIDTH X DEPTH</b>											
<b>EP048</b>	Ø84x50	With conical cable glands	4	-	0.07	1.6	2.0	2.4	2.9	3.3	54DS048
<b>EP088</b>	95x95x52	With conical cable glands	7	-	0.08	1.6	2.0	2.4	2.9	3.3	54DS088
<b>EV111</b>	119x119x68	With conical cable glands	7	-	0.16	2.7	3.4	4.0	4.7	5.4	65DS111
<b>EV161</b>	130x176x80	With conical cable glands	6	4	0.25	3.8	4.7	5.7	6.6	7.6	65DS161
<b>EV171</b>	165x189x100	With conical cable glands	6	4	0.38	6.0	7.5	9.0	10.5	12.1	65DS171
<b>EV231</b>	194x255x101	With conical cable glands	4	6	0.53	8.6	10.8	13.0	15.1	17.3	65DS231
<b>EV322</b>	253x342x133	With conical cable glands	-	12	1.17	15.7	19.6	23.6	27.5	31.4	65DS322
<b>Knock-out entries</b>											
<b>EX088</b>	89x89x52	Knock-out entries	7	-	0.06	1.6	2.0	2.4	2.9	3.3	54DS088
<b>EX111</b>	113x113x68	Knock-out entries	7	-	0.14	2.7	3.4	4.0	4.7	5.4	65DS111
<b>EX161</b>	121x167x80	Knock-out entries	6	4	0.23	3.8	4.7	5.7	6.6	7.6	65DS161
<b>EX171</b>	156x180x100	Knock-out entries	6	4	0.32	6.0	7.5	9.0	10.5	12.1	65DS171
<b>EX231</b>	186x246x101	Knock-out entries	4	6	0.49	8.6	10.8	13.0	15.1	17.3	65DS231
<b>EX322</b>	244x334x133	Knock-out entries	-	12	1.06	15.7	19.6	23.6	27.5	31.4	65DS322
<b>Plain sides</b>											
<b>EL111</b>	113x113x68	Plain sides	-	-	0.14	2.7	3.4	4.0	4.7	5.4	65DS111
<b>EL161</b>	121x167x80	Plain sides	-	-	0.22	3.8	4.7	5.7	6.6	7.6	65DS161
<b>EL171</b>	156x180x100	Plain sides	-	-	0.33	6.0	7.5	9.0	10.5	12.1	65DS171
<b>EL231</b>	186x246x101	Plain sides	-	-	0.47	8.6	10.8	13.0	15.1	17.3	65DS231
<b>EL322</b>	244x334x133	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 - Cones: PVC RAL 7035.

Surface boxes.

References EP048-EP088-EX088: IP54.

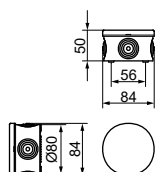
References EV: IP65.

References EX-EL: IP65-IP67.

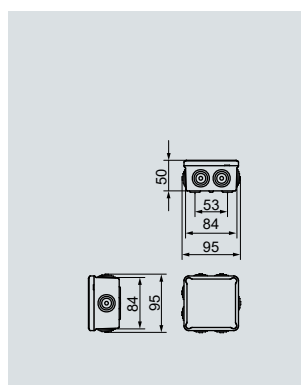
\* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



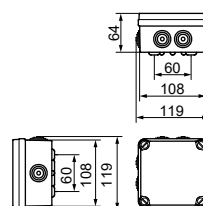
**EP048**



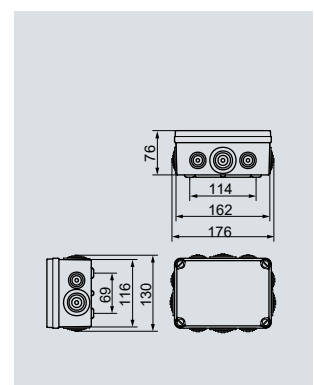
**EP/EX088**



**EV/EX/EL111**



**EV/EX/EL161**



## Boxes with transparent cover

Ref. No.	Dimensions	Description	Cable entry		Weight	Power dissipation according to temperature increase °C P[W]*					Type
			No. conical glands			20	25	30	35	40	
HEIGHT X WIDTH X DEPTH			M25	M40	KG						
<b>EVT171</b>	165x189x100	With conical cable glands	6	4	0.38	6.0	7.5	9.0	10.5	12.1	65DS171
<b>EVT231</b>	194x255x101	With conical cable glands	4	6	0.53	8.6	10.8	13.0	15.1	17.3	65DS231
<b>EVT322</b>	253x342x133	With conical cable glands	-	12	1.17	15.7	19.6	23.6	27.5	31.4	65DS322
<b>EXT171</b>	156x180x100	Knock-out entries	6	4	0.32	6.0	7.5	9.0	10.5	12.1	65DS171
<b>EXT231</b>	186x246x101	Knock-out entries	4	6	0.46	8.6	10.8	13.0	15.1	17.3	65DS231
<b>EXT322</b>	244x334x133	Knock-out entries	-	12	1.06	15.7	19.6	23.6	27.5	31.4	65DS322
<b>ELT171</b>	156x180x100	Plain sides	-	-	0.38	6.0	7.5	9.0	10.5	12.1	65DS171
<b>ELT231</b>	186x246x101	Plain sides	-	-	0.47	8.6	10.8	13.0	15.1	17.3	65DS231
<b>ELT322</b>	244x334x133	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: PVC RAL 7035.

Surface boxes.

References EVT: IP65.

References EXT-ELT: 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.



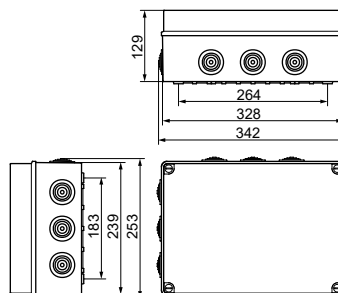
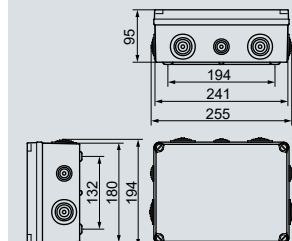
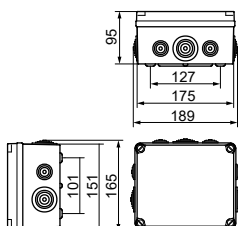
**EV/EX/EL171**  
**EVT/EXT/ELT/171**



**EV/EX/EL231**  
**EVT/EXT/ELT231**



**EV/EX/EL322**  
**EVT/EXT/ELT322**



# LIGHT

## IP65-IP67 junction boxes

### Motor-protection boxes with **opaque cover**

Ref. No.	Dimensions	Description	Cable entry		Weight	Power dissipation according to temperature increase °C P(W)*					Type
			No. conical glands			20	25	30	35	40	
	HEIGHT X WIDTH X DEPTH		M25	M40	KG						
<b>GSV171</b>	165x189x160	With conical cable glands	6	4	0.49	8.2	10.2	12.3	14.3	16.4	65GS171
<b>GSV231</b>	194x255x180	With conical cable glands	4	6	0.80	12.4	15.4	18.5	21.6	24.7	65GS231
<b>GSV322</b>	342x253x191	With conical cable glands	-	12	1.61	19.4	24.2	29.1	33.9	38.8	65GS322
<b>GSX171</b>	156x180x160	Knock-out entries	6	4	0.43	8.2	10.2	12.3	14.3	16.4	65GS171
<b>GSX231</b>	186x246x180	Knock-out entries	4	6	0.77	12.4	15.4	18.5	21.6	24.7	65GS231
<b>GSX322</b>	244x334x191	Knock-out entries	-	12	1.48	19.4	24.2	29.1	33.9	38.8	65GS322
<b>GSL171</b>	156x180x160	Plain sides	-	-	0.43	8.2	10.2	12.3	14.3	16.4	65GS171
<b>GSL231</b>	186x246x180	Plain sides	-	-	0.74	12.4	15.4	18.5	21.6	24.7	65GS231
<b>GSL322</b>	244x334x191	Plain sides	-	-	1.48	19.4	24.2	29.1	33.9	38.8	65GS322

#### HALOGEN-FREE PLASTIC MATERIALS

Base and opaque cover: PS RAL 7035 - Cones: PVC RAL 7035.

Surface boxes - High cover.

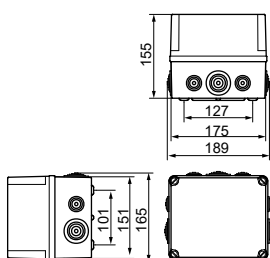
References GSV: IP65.

References GSX-GSL: IP65-IP67.

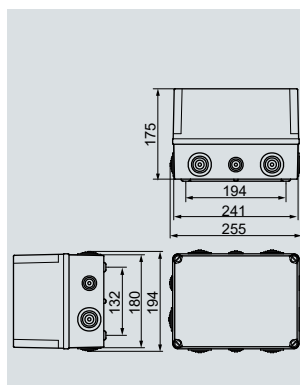
\* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



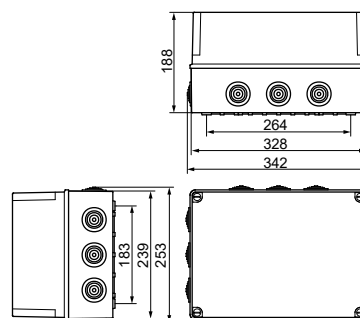
**GSV/GSX/GSL171**



**GSV/GSX/GSL231**



**GSV/GSX/GSL322**



## Motor-protection boxes with transparent cover

Ref. No.	Dimensions	Description	Cable entry		Weight	Power dissipation according to temperature increase °C P(W)*					Type
			No. conical glands			20	25	30	35	40	
HEIGHT X WIDTH X DEPTH			M25	M40	KG						
<b>GSVT171</b>	165x189x160	With conical cable glands	6	4	0.53	8.2	10.2	12.3	14.3	16.4	65GS171
<b>GSVT231</b>	194x255x180	With conical cable glands	4	6	0.87	12.4	15.4	18.5	21.6	24.7	65GS231
<b>GSVT322</b>	342x253x191	With conical cable glands	-	12	1.61	19.4	24.2	29.1	33.9	38.8	65GS322
<b>GSXT171</b>	156x180x160	Knock-out entries	6	4	0.46	8.2	10.2	12.3	14.3	16.4	65GS171
<b>GSXT231</b>	186x246x180	Knock-out entries	4	6	0.80	12.4	15.4	18.5	21.6	24.7	65GS231
<b>GSXT322</b>	244x334x191	Knock-out entries	-	12	1.48	19.4	24.2	29.1	33.9	38.8	65GS322
<b>GSLT171</b>	156x180x160	Plain sides	-	-	0.46	8.2	10.2	12.3	14.3	16.4	65GS171
<b>GSLT231</b>	186x246x180	Plain sides	-	-	0.80	12.4	15.4	18.5	21.6	24.7	65GS231
<b>GSLT322</b>	244x334x191	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 - Cones: PVC RAL 7035.

Transparent cover: PC, tinted, with UV protection.

Surface boxes - High cover.

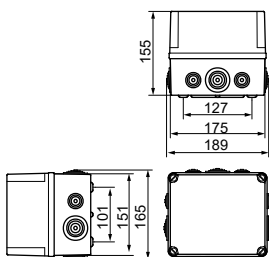
References GSVT: IP65.

References GSXT-GSLT: IP65-IP67.

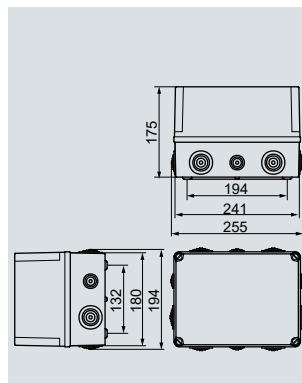
\* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



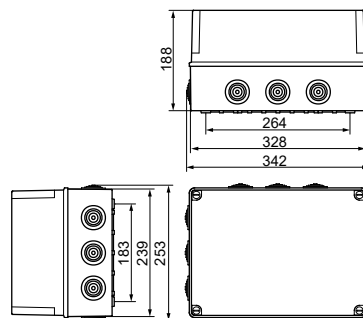
**GSVT/GSXT/GSLT171**



**GSVT/GSXT/GSLT231**



**GSVT/GSXT/GSLT322**





# LIGHT

## IP65-IP67 junction boxes

### 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](mailto:export@ide.es)

Special assemblies can be supplied in any combination. with no minimum order quantity

### Proposal of sockets for Light boxes

#### SCHUKO-TYPE FLUSH-FIT SOCKETS



REF.	Poles	I	IP
00102	2P+E	16 A	44
00452	2P+E	16 A	54
00105	2P+E	16 A	67

#### IP44 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02301	2P+E	16 A	200/250 V
03302	3P+E	16 A	380/415 V
03303	3P+N+E	16 A	200/415 V
02304	2P+E	32 A	200/250 V
03305	3P+E	32 A	380/415 V
03306	3P+N+E	32 A	200/415 V

#### IP67 FLUSH-FIT SOCKETS



REF.	Poles	I	Voltage
02801	2P+E	16 A	200/250 V
03802	3P+E	16 A	380/415 V
03803	3P+N+E	16 A	200/415 V
02804	2P+E	32 A	200/250 V
03805	3P+E	32 A	380/415 V
03806	3P+N+E	32 A	200/415 V

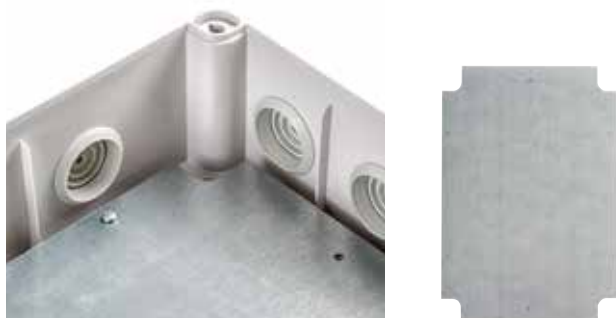
See our full range of plugs and sockets on page 370

## LIGHT Accessories

	Ref.		Ref.
Metal plate for boxes Ref. 171	<b>92123</b>	25 diameter conical glands	<b>77952</b>
Metal plate for boxes Ref. 231	<b>92125</b>	25 HF* diameter conical glands	<b>77953</b>
Low metal plate for boxes Ref. 322	<b>92127</b>	40 diameter conical glands	<b>77962</b>
High metal plate for boxes Ref. 322	<b>92129</b>	40 HF* diameter conical glands	<b>77963</b>
Polyester plate for boxes Ref. 111	<b>92119</b>	3.9 x 9.5 screw for metal and polyester plate	<b>92609</b>
Polyester plate for boxes Ref. 161	<b>92121</b>	Hermetic caps	<b>77650</b>
Polyester plate for boxes Ref. 171	<b>92122</b>	Screws with arrow	<b>77712</b>
Polyester plate for boxes Ref. 231	<b>92124</b>	Screws without arrow	<b>77702</b>
Low polyester plate for boxes Ref. 322	<b>92126</b>	Screws base cover for Ref. GS322 and EV-EL-EX	<b>77720</b>
High polyester plate for boxes Ref. 322	<b>92128</b>		

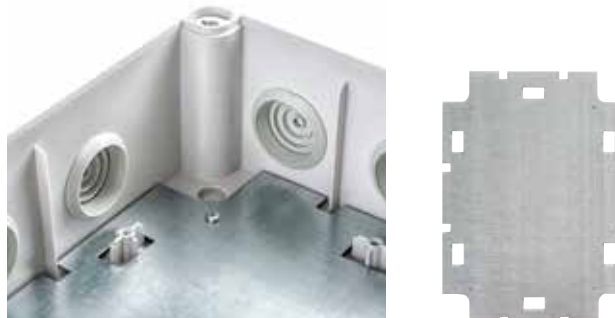
\* HF: Halogen-free conical glands.

### Fitting high plates



- Metal and polyester high plates for boxes and motor housings (type 322).
- The high plates allow for a space of 14 mm between the plate and the base.
- To be installed it is necessary to request the 3.9x9.5 screws. Ref. 92609.

### Fitting low plates



- Metal and polyester low plates for boxes and motor housings (type 322).
- Low plates help take full advantage of the depth of the box.
- To be installed it is necessary to request the 3.9x9.5 screws. Ref. 92609.

## Hinges



Ref.	Description
<b>22050</b>	Hinge for Light boxes (2-pieces bag)

- Hinge for boxes and motor housings compatible with all models.
- It has grooves marked on the hinge for placing screws.
- The screw with arrow must be cut when the hinge is fitted.
- Degree of protection: IP65.





Electrical enclosures for tertiary  
and residential sectors

## PLASTIC BOXES

COMBI  
ORO  
DIAMANT  
SILVER  
HABITAT  
DOMOS-K  
DOMOS  
VERDI  
AMERICAN

# COMBI



## 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.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.
- Double insulation: Class II.

\* Except Ref. BT2 and BT4.

### COMBI Certifications

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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

# COMBI

## IP40 surface distribution boxes



### 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 4-module 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.



# COMBI

## IP40 surface distribution boxes

### IP40 surface distribution boxes

Reference No.		No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
OPAQUE WINDOW	TRANSP. WINDOW				20	25	30	35	40	
<b>BT2</b>	-	1x2 DIN rail	130x50x64	0.08	2.0	2.5	3.0	3.5	4.0	40SP2
<b>BT4</b>	-	1x4 DIN rail	130x85x64	0.10	2.7	3.3	4.0	4.7	5.3	40SP4
<b>BV4PO</b>	<b>BV4PT</b>	1x4 DIN rail	228x120x99	0.43	6.7	8.4	10.0	11.7	13.4	40S04
<b>BV8PO</b>	<b>BV8PT</b>	1x8 DIN rail	228x191x99	0.61	9.0	11.2	13.4	15.7	17.9	40S08
<b>BV12PO</b>	<b>BV12PT</b>	1x12 DIN rail	228x264x99	0.80	11.3	14.1	17.0	19.8	22.6	40S12
<b>BV24PO</b>	<b>BV24PT</b>	2x12 (24) DIN rail	353x264x99	1.28	16.1	20.1	24.1	28.2	32.2	40S24
<b>BV36PO</b>	<b>BV36PT</b>	3x12 (36) DIN rail	497x264x99	1.82	21.6	27.0	32.4	37.8	43.2	40S36

#### HALOGEN-FREE PLASTIC MATERIALS

Ref. BV4PO - BV4PT sealable by ordering the 25975 kit.

Frame, base and opaque window in white ABS RAL 9003.

Transparent window in tinted PC, with UV protection.

IP40 - Surface.

IP20: BT2 and BT4.

\* 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**



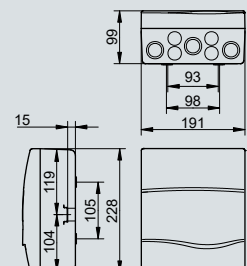
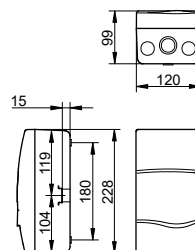
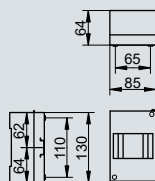
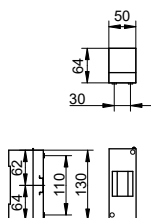
**1x4 modules  
BV4PO**

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.		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	
<b>BV4PO/RR</b>	<b>BV4PT/RR</b>	1x4 DIN rail	228x120x99	0.49	6.7	8.4	10.0	11.7	13.4	40S04
<b>BV8PO/RR</b>	<b>BV8PT/RR</b>	1x8 DIN rail	228x191x99	0.70	9.0	11.2	13.4	15.7	17.9	40S08
<b>BV12PO/RR</b>	<b>BV12PT/RR</b>	1x12 DIN rail	228x264x99	0.91	11.3	14.1	17.0	19.8	22.6	40S12
<b>BV24PO/RR</b>	<b>BV24PT/RR</b>	2x12 (24) DIN rail	353x264x99	1.45	16.1	20.1	24.1	28.2	32.2	40S24
<b>BV36PO/RR</b>	<b>BV36PT/RR</b>	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 - BV4PT/RR sealable by ordering the 25975 kit.

Frame, base and opaque window in white ABS RAL 9003.

Transparent window in tinted PC, with UV protection.

IP40 - Surface.

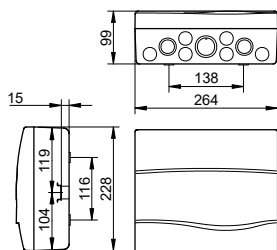
/RR: With neutral and earth bars.

\* 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.



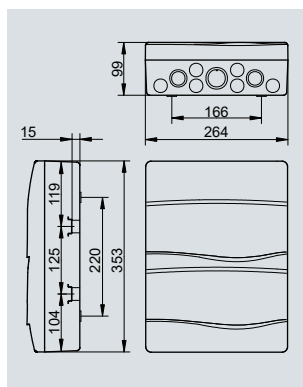
### 1x12 modules BV12PO

TOP: 6xM25-2xM25/32-1xM32/40  
 BOTTOM: 6xM25-2xM25/32-1xM32/40  
 LEFT: 1xM25/32  
 RIGHT: 1xM25/32



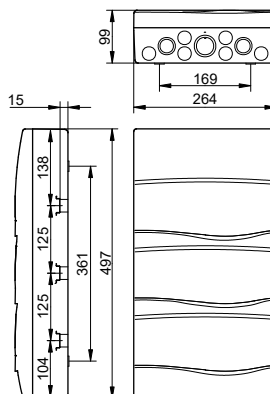
### 2x12 (24) modules BV24PO

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

## IP40 surface distribution boxes

### 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

Ref.	Terminal		Connectors	
	N	E	NEUTRAL	EARTH
<b>22016</b>	4+2	4+2	2x(4-10 mm <sup>2</sup> )+4x(2.5-6 mm <sup>2</sup> )	2x(4-10 mm <sup>2</sup> )+4x(2.5-6 mm <sup>2</sup> )
<b>22017</b>	8+2	8+2	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+8x(2.5-6 mm <sup>2</sup> )	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+8x(2.5-6 mm <sup>2</sup> )
<b>22018</b>	12+2	12+2	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+12x(2.5-6 mm <sup>2</sup> )	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+12x(2.5-6 mm <sup>2</sup> )

## COMBI Accessories

Miscellaneous	Ref.
Sealable kit for 4-module box	<b>25975</b>
White module cover (6 mod.)	<b>77600</b>
Hermetic caps (4 pieces)	<b>77650</b>
4x13 frame-base closing screw	<b>92611</b>

Neutral and earth bars	Ref.
Support + neutral and earth bars (4+2 entries)	<b>22016</b>
Support + neutral and earth bars (8+2 entries)	<b>22017</b>
Support + neutral and earth bars (12+2 entries)	<b>22018</b>

Opaque windows	Ref.
4 modules	<b>76420</b>
8 modules	<b>76440</b>
12-24-36 modules	<b>76460</b>

Transparent windows	Ref.
4 modules	<b>76790</b>
8 modules	<b>76800</b>
12-24-36 modules	<b>76760</b>



# ORO



## 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 (brick walls).

IP  
40

CE



### ORO Technical Specifications

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- Degree of protection: IP40.
- Resistance to impact: IK08.
- Glow wire resistance: 650 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.
- Double insulation: Class II.

### ORO Certifications

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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: apartments, offices, hotels, etc.

# ORO

## IP40 flush-fit distribution boxes



### Product series

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- Flush-fit boxes with a capacity of 4, 8, 12, 24 and 36 modules with opaque or transparent window.

### Material

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- Halogen-free plastic materials.
- Frame and opaque window: ABS RAL 9003 white.
- Base: PS RAL 7035.
- Transparent window in tinted PC, with UV protection.

### Supply

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- 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 4-modules 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.		No. of modules	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
OPAQUE WINDOW	TRANSP. WINDOW					20	25	30	35	40	
			HEIGHT X WIDTH X DEPTH		KG						
<b>BM4PO</b>	<b>BM4PT</b>	1x4 DIN rail	228x120x97	228x120x65	0.40	4.1	5.1	6.2	7.2	8.2	40E04
<b>BM8PO</b>	<b>BM8PT</b>	1x8 DIN rail	248x210x97	228x190x65	0.62	5.9	7.4	8.8	10.3	11.8	40E08
<b>BM12PO</b>	<b>BM12PT</b>	1x12 DIN rail	248x283x97	228x263x65	0.79	7.8	9.7	11.6	13.6	15.5	40E12
<b>BM24PO</b>	<b>BM24PT</b>	2x12 (24) DIN rail	373x283x97	353x263x65	1.30	11.5	14.4	17.3	20.2	23.1	40E24
<b>BM36PO</b>	<b>BM36PT</b>	3x12 (36) DIN rail	517x283x97	497x263x65	1.87	15.9	19.9	23.9	27.8	31.8	40E36

#### HALOGEN-FREE PLASTIC MATERIALS

Ref. BM4PO - BM4PT: sealable by ordering the 25975 kit.

Frame and opaque window in white ABS RAL 9003. Base in PS RAL 7035.

Transparent window in tinted PC, with UV protection.

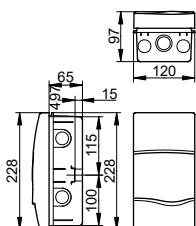
IP40 - Flush-fit.

\* 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.



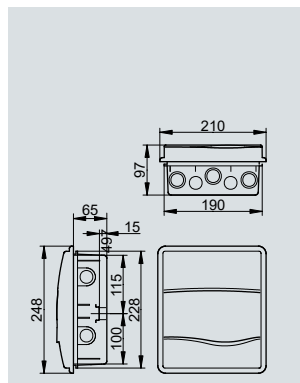
**1x4 modules  
BM4PO**

TOP: 2xM25-1xM25/32  
BOTTOM: 2xM25-1xM25/32  
LEFT: 2xM25  
RIGHT: 2xM25



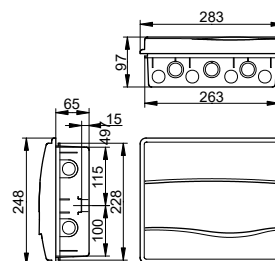
**1x8 modules  
BM8PO**

TOP: 2xM25-3xM25/32  
BOTTOM: 2xM25-3xM25/32  
LEFT: 2xM25  
RIGHT: 2xM25



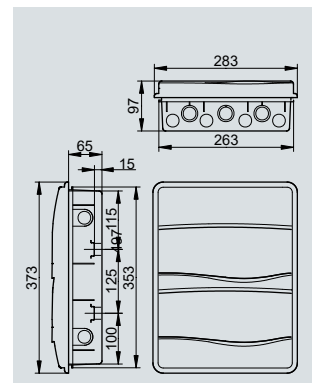
**1x12 modules  
BM12PO**

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.		No. of modules	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
OPAQUE WINDOW	TRANSP. WINDOW					HEIGHT X WIDTH X DEPTH					
					KG	20	25	30	35	40	
<b>BM4PO/RR</b>	<b>BM4PT/RR</b>	1x4 DIN rail	228x120x97	228x120x65	0.47	4.1	5.1	6.2	7.2	8.2	40E04
<b>BM8PO/RR</b>	<b>BM8PT/RR</b>	1x8 DIN rail	248x210x97	228x190x65	0.70	5.9	7.4	8.8	10.3	11.8	40E08
<b>BM12PO/RR</b>	<b>BM12PT/RR</b>	1x12 DIN rail	248x283x97	228x263x65	0.89	7.8	9.7	11.6	13.6	15.5	40E12
<b>BM24PO/RR</b>	<b>BM24PT/RR</b>	2x12 (24) DIN rail	373x283x97	353x263x65	1.46	11.5	14.4	17.3	20.2	23.1	40E24
<b>BM36PO/RR</b>	<b>BM36PT/RR</b>	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 - BM4PT/RR sealable by ordering the 25975 kit.

Frame and opaque window in white ABS RAL 9003. Base in PS RAL 7035.

Transparent window in tinted PC, with UV protection.

IP40 - Flush-fit.

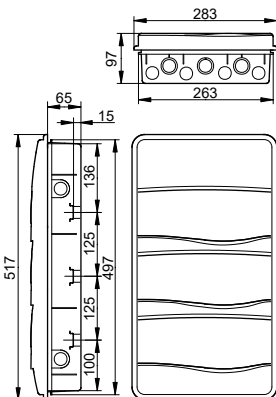
/RR: With neutral and earth bars.

\* 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



# ORO ACCESSORIES

## IP40 flush-fit distribution boxes accessories

### 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

Ref.	Terminal		Cable section	
	N	E	NEUTRAL	EARTH
<b>22016</b>	4+2	4+2	2x(4-10 mm <sup>2</sup> )+4x(2.5-6 mm <sup>2</sup> )	2x(4-10 mm <sup>2</sup> )+4x(2.5-6 mm <sup>2</sup> )
<b>22017</b>	8+2	8+2	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+8x(2.5-6 mm <sup>2</sup> )	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+8x(2.5-6 mm <sup>2</sup> )
<b>22018</b>	12+2	12+2	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+12x(2.5-6 mm <sup>2</sup> )	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+12x(2.5-6 mm <sup>2</sup> )

## ORO Accessories

### Miscellaneous

	Ref.
Sealable kit for 4-module box	<b>25975</b>
4x13 frame-base closing screws	<b>92611</b>
White module cover (6 mod.)	<b>77600</b>

### Neutral and earth bars

	Ref.
Support + neutral and earth bars (4+2 entries)	<b>22016</b>
Support + neutral and earth bars (8+2 entries)	<b>22017</b>
Support + neutral and earth bars (12+2 entries)	<b>22018</b>

### Opaque windows

	Ref.
4 modules	<b>76420</b>
8 modules	<b>76440</b>
12-24-36 modules	<b>76460</b>

### Transparent windows

	Ref.
4 modules	<b>76790</b>
8 modules	<b>76800</b>
12-24-36 modules	<b>76760</b>



# DIAMANT



## IP40 flush-fit distribution boxes

The distribution boxes of the Diamant series are specially designed for the tertiary and residential sectors. With a capacity from 36 to 84 modules, the installer has great versatility and modular capacity.

Available in two different versions, to be recessed in hollow or in brick walls.

They have a very neat aesthetic that adapts perfectly to all environments.

## DIAMANT Technical specifications

- **Degree of protection:** IP40.
- **Resistance to impact:** IK08.
- **Glow wire resistance:**
  - Brick walls: 650 °C.
  - Hollow walls (PH): 850 °C.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum operating voltage:** 1000 V AC / 1500 V DC.
- **Double insulation:** Class II.

## DIAMANT Certifications



Compliant with the Low Voltage Directive 2014/35/EU.  
Standards: UNE 201003 and IEC 61439-1 (as applicable).

Neat aesthetic that adapts perfectly to all environments

# DIAMANT

## IP40 Flush-fit distribution boxes

### IP40 Flush-fit distribution boxes. Hollow walls. 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	
					20	25	30	35	40		
		HEIGHT X WIDTH X DEPTH			KG						
DFF36PO/PH/RR	2x18 (36)	380x425x93	345x394x72	2.04	19.2	24.1	28.9	33.7	38.5	DFF36	
DFF42PO/PH/RR	3x14 (42)	532x334x93	500x305x72	2.47	21.3	26.6	31.9	37.2	42.5	DFF42	
DFF54PO/PH/RR	3x18 (54)	532x408x93	497x376x72	2.92	25.4	31.7	38.1	44.4	50.8	DFF54	
DFF84PO/PH/RR	6x14 (84)	532x668x93	500x641x72	5.16	39.9	49.8	59.8	69.8	79.7	DFF84	

#### HALOGEN-FREE PLASTIC MATERIALS

Frame and door in white ABS, RAL 9003

Grey base in high impact V0 PS.

IP40 - Flush-fit.

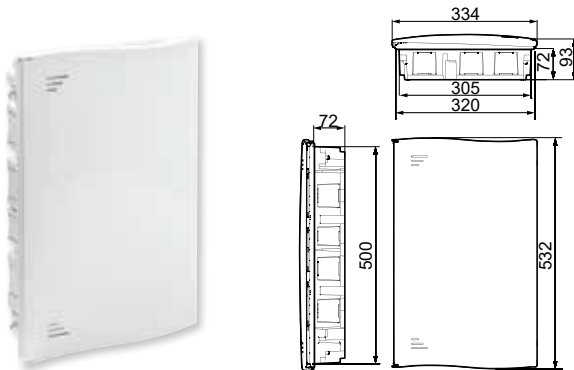
/PH: For hollow walls. Glow wire resistance: 850 °C.

/RR: Neutral and earth bars included.

\* 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.

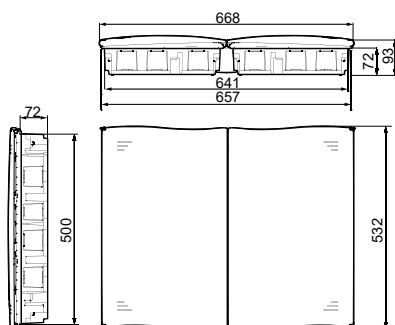
#### 3x14 (42) modules

##### DFF42PO/PH/RR



#### 6x14 (84) modules

##### DFF84PO/PH/RR



#### DIAMANT Accessories

##### Hollow walls

Ref.

Accessories bag for fitting (4 pieces)	22100
Accessories bag for joining (4 pieces)	22101

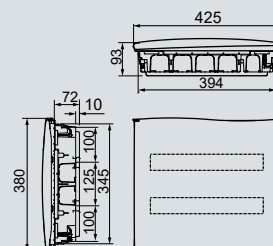


NEW



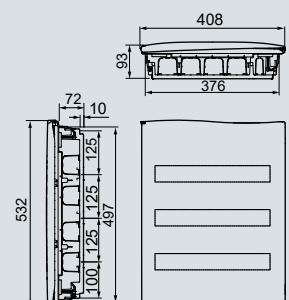
#### 2x18 (36) modules

##### DFF36PO/PH/RR



#### 3x18 (54) modules

##### DFF54PO/PH/RR



## IP40 Flush-fit distribution boxes. **Brick walls.** 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
					20	25	30	35	40	
<b>DFF36PO/RR</b>	2x18 (36)	380x425x93	345x394x72	2.04	19.2	24.1	28.9	33.7	38.5	DFF36
<b>DFF42PO/RR</b>	3x14 (42)	532x334x93	480x300x72	2.33	21.3	26.6	31.9	37.2	42.5	DFF42
<b>DFF54PO/RR</b>	3x18 (54)	532x408x93	497x376x72	2.92	25.4	31.7	38.1	44.4	50.8	DFF54

### HALOGEN-FREE PLASTIC MATERIALS

Frame and door in with ABS, RAL 9003

Black base in PS.

IP40 - Flush-fit.

**/RR: Neutral and earth bars included.**

\* 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.

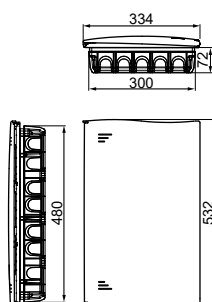
### DIAMANT Accesories Opaque windows

Ref.

For DFF36PO	<b>PBI28</b>
For DFF42PO - DFF84PO	<b>PBI32</b>
For DFF54PO	<b>PBI44</b>



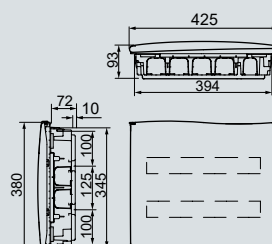
**3x14 (42) modules  
DFF42PO/RR**



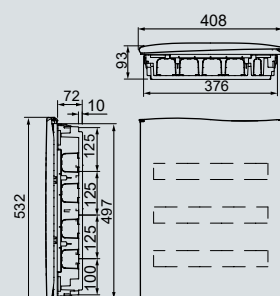
**NEW**



**2x18 (36) modules  
DFF36PO/RR**



**3x18 (54) modules  
DFF54PO/RR**





# SILVER



## 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):**
  - Brick walls: 650 °C.
  - Hollow walls (PH version): 850 °C.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum operating voltage:** 1000 V AC/1500 V DC.
- **Double insulation:** Class II.

### SILVER Certifications



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

Intended for tertiary and residential use,  
apartments, offices, hotels... designed to install  
both in brick walls and in hollow walls

# SILVER

## IP40 flush-fit distribution boxes with steel door



### Product series

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- Flush-fit boxes for BRICK WALLS with a capacity of 14, 28, 42, 56 and 70 modules with metal door.
- Flush-fit boxes for HOLLOW WALLS (PH version) with a capacity of 14, 28, 42, 56 and 70 modules with metal door.

### Material

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- Frame and opaque window: RAL 9003 white metal sheet steel.
- Base made of high impact polystyrene.

### Supply

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- 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 brick 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.

## 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.

## DIN rail attachment

- The rails are supplied assembled and secured to the bottom of the base by means of 4.4x11 mm screws.



## 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.

## 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

## IP40 flush-fit distribution boxes with steel door

### IP40 flush-fit distribution boxes with steel door. Hollow walls

Reference No.	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	
<b>SIL14PO/PH</b>	12+2 DIN rail	1	343x368x93	314x314x86	2.48	13.1	16.4	19.7	23.0	26.3	40SIL14
<b>SIL28PO/PH</b>	24+4 DIN rail	2	443x368x93	414x314x86	3.15	16.9	21.1	25.3	29.5	33.7	40SIL28
<b>SIL42PO/PH</b>	36+6 DIN rail	3	568x368x93	539x314x86	3.84	21.5	26.9	32.3	37.7	43.1	40SIL42
<b>SIL56PO/PH</b>	48+8 DIN rail	4	753x368x93	724x314x86	4.88	28.4	35.5	42.6	49.7	56.8	40SIL56
<b>SIL70PO/PH</b>	60+10 DIN rail	5	878x368x93	849x314x86	6.05	34.0	42.5	51.0	59.5	68.0	40SIL70

#### HALOGEN-FREE PLASTIC MATERIALS

Neutral and earth bars included.

Frame and door in white metal sheet, RAL 9003.

IP40 - Flush-fit - Hollow walls.

/PH: For hollow walls. Glow wire resistance on flush-fit base: 850 °C.

\* 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  
SIL14PO**



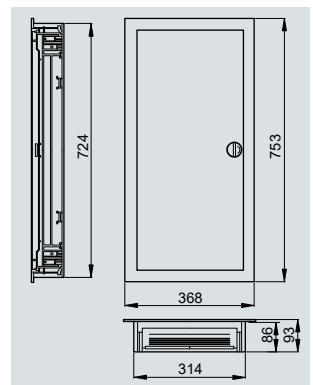
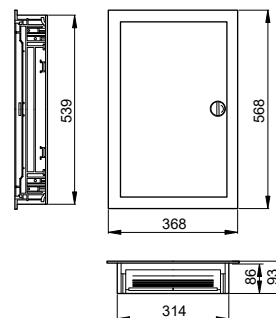
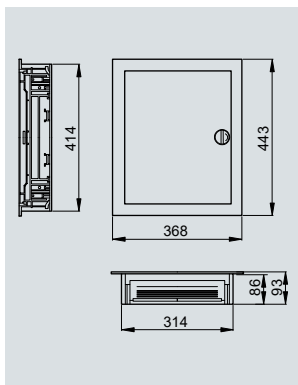
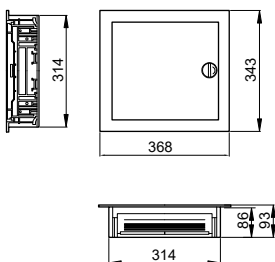
**24+4 modules  
SIL28PO**



**36+6 modules  
SIL42PO**



**48+8 modules  
SIL56PO**



## IP40 flush-fit distribution boxes with steel door. Brick walls

Reference No.	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	
<b>SIL14PO</b>	12+2 DIN rail	1	343x368x93	314x314x86	2.39	13.1	16.4	19.7	23.0	26.3	40SIL14
<b>SIL28PO</b>	24+4 DIN rail	2	443x368x93	414x314x86	3.15	16.9	21.1	25.3	29.5	33.7	40SIL28
<b>SIL42PO</b>	36+6 DIN rail	3	568x368x93	539x314x86	3.84	21.5	26.9	32.3	37.7	43.1	40SIL42
<b>SIL56PO</b>	48+8 DIN rail	4	753x368x93	724x314x86	4.88	28.4	35.5	42.6	49.7	56.8	40SIL56
<b>SIL70PO</b>	60+10 DIN rail	5	878x368x93	849x314x86	6.00	34	42.5	51	59.5	68	40SIL70

### HALOGEN-FREE PLASTIC MATERIALS

Neutral and earth bars included.

White base in polystyrene RAL 9003.

Frame and window in white metal sheet RAL 9003.

IP40 - Flush-fit - Brick 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.

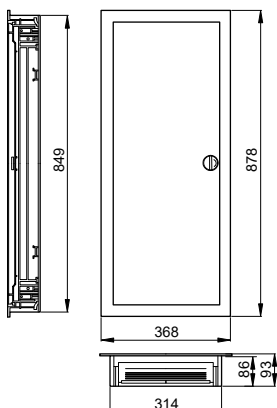


## SILVER ACCESSORIES

Miscellaneous	Ref.
Lock with key	<b>22020</b>
Hollow walls accessory bag	<b>22021</b>
Brick walls accessory bag	<b>22022</b>
Silver standard lock	<b>22023</b>
Spare hinge	<b>22024</b>
White module cover (6 mod.)	<b>77600</b>

Neutral and earth bars	Ref.
Support + neutral and earth bar (16 entries)	<b>22025</b>

### 60+10 modules SIL70PO



# HABITAT



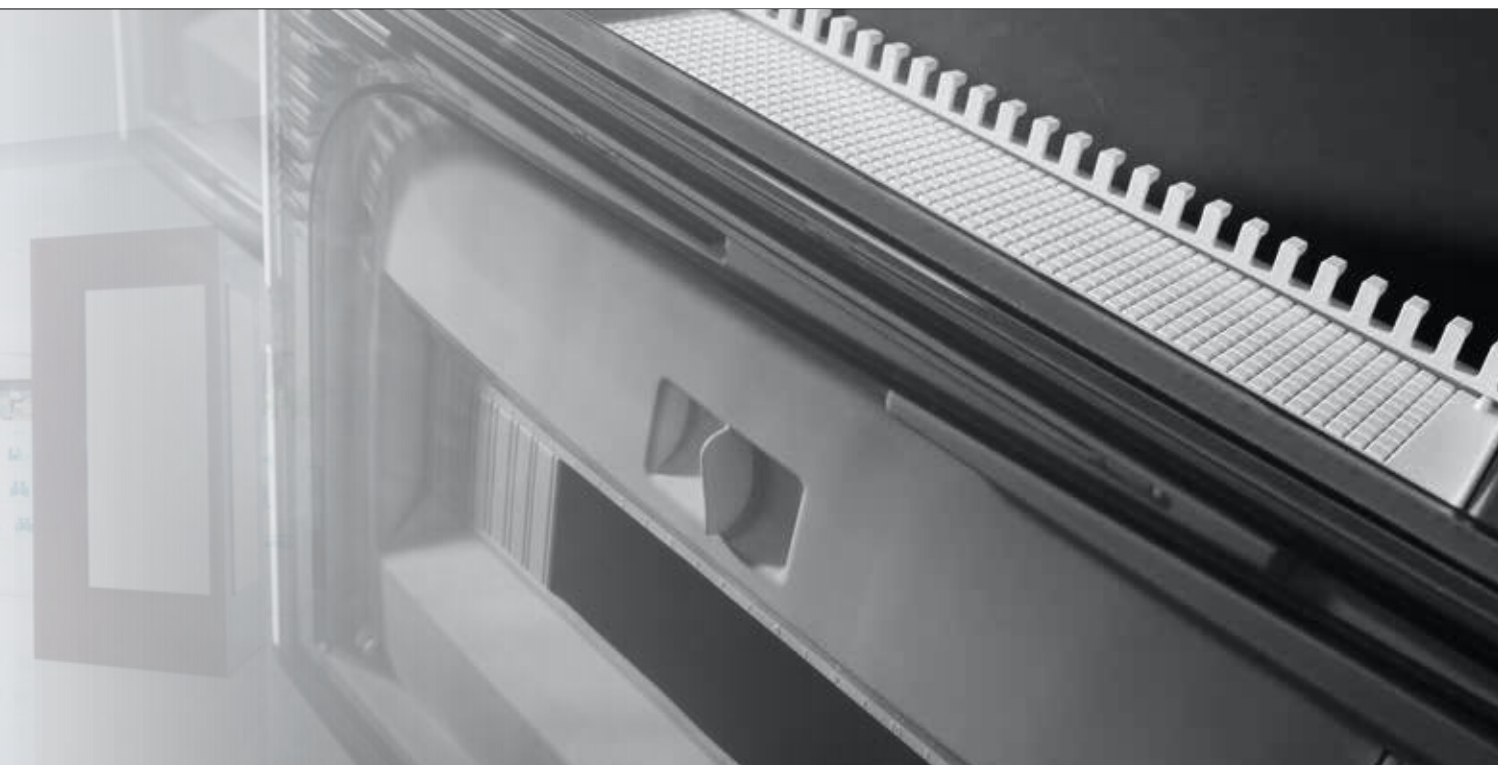
## IP30 Flush-fit distribution boxes with plastic door

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.

IP  
30

CE



HABITAT

## 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.
  - Brick walls (30EM type): 650 °C.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum operating voltage:** 1000 V AC/1500 V DC.
- **Double insulation:** Class II.

## HABITAT Certifications

CE

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

Intended for tertiary and residential sectors,  
perfectly integrating into the surrounding decoration



# HABITAT

## IP30 flush-fit distribution boxes with plastic door



### Product series

- 14, 28 and 42-module flush-fit enclosures with opaque window.
  - Version for hollow walls (30PH type).
  - Version for brick 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 brick 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.

# HABITAT

## IP30 flush-fit distribution boxes with plastic door

### IP30 flush-fit distribution boxes. Hollow walls. With neutral and earth bars

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	20	25	30	35	40	
PH14B0/RR	1x14 DIN rail	277x385x100	243x335x85	1.74	10.8	13.5	16.2	18.9	21.6	30P14		
PH28B0/RR	2x14 (28) DIN rail	427x385x100	393x335x85	2.80	16.6	20.8	25.0	29.1	33.3	30P28		
PH42B0/RR	3x14 (42) DIN rail	597x385x100	563x335x85	4.25	23.2	29.0	34.8	40.6	46.5	30P42		

### IP33 flush-fit distribution boxes. Brick walls. With neutral and earth bars

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	20	25	30	35	40	
EM14B0/RR	1x14 DIN rail	277x385x100	243x335x85	1.68	10.8	13.5	16.2	18.9	21.6	30P14		
EM28B0/RR	2x14 (28) DIN rail	427x385x100	393x335x85	2.65	16.6	20.8	25.0	29.1	33.3	30P28		
EM42B0/RR	3x14 (42) DIN rail	597x385x100	563x335x85	3.79	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 grey RAL 7035 PS.

IP30 - Flush-fit.

PH: References for hollow walls. Glow wire resistance 850 °C.

\* 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.



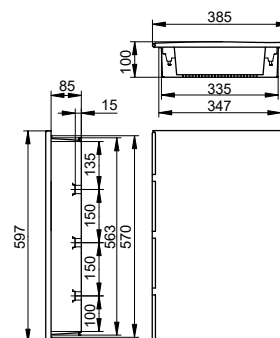
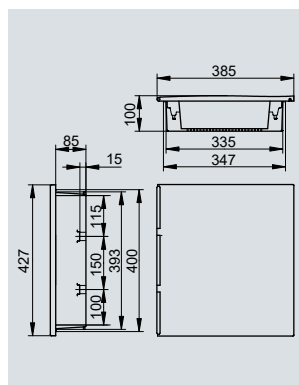
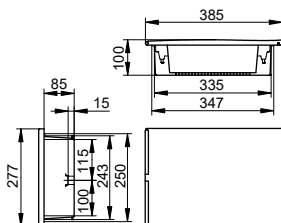
**1x14 modules**  
**PH/EM14B0/RR**



**2x14(28) modules**  
**PH/EM28B0/RR**



**3x14(42) modules**  
**PH/EM42B0/RR**



## 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

Ref.	Terminal I		Terminal II		Connectors	
	N	E	N	E	NEUTRAL	EARTH
<b>22016</b>	4+2	4+2	-	-	2x(4-10 mm <sup>2</sup> )+4x(2.5-6 mm <sup>2</sup> )	2x(4-10 mm <sup>2</sup> )+4x(2.5-6 mm <sup>2</sup> )
<b>22017</b>	8+2	8+2	8+2	8+2	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+8x(2.5-6 mm <sup>2</sup> )	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+8x(2.5-6 mm <sup>2</sup> )
<b>22018</b>	12+2	12+2	12+2	12+2	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+12x(2.5-6 mm <sup>2</sup> )	1x(10-25 mm <sup>2</sup> )+1x(4-10 mm <sup>2</sup> )+12x(2.5-6 mm <sup>2</sup> )

## HABITAT Accessories

Miscellaneous	Ref.
DIN rail 14/28/42	<b>92765</b>
White module cover (6 mod.)	<b>77600</b>
Hollow wall accessory bag	<b>94037</b>
Covers	Ref.
Cover for 30P14	<b>74702</b>
Cover for 30P28	<b>74712</b>
Cover for 30P42	<b>74722</b>

Neutral and earth bars	Ref.
Support + neutral and earth bars (4+2 entries)	<b>22016</b>
Support + neutral and earth bars (8+2 entries)	<b>22017</b>
Support + neutral and earth bars (12+2 entries)	<b>22018</b>
Opaque windows	Ref.
14 modules	<b>76902</b>
28 modules	<b>76912</b>
42 modules	<b>76922</b>

# DOMOS-K



## Flush-fit mechanisms and junction boxes (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 16 A.



DOMOS-K

### **DOMOS-K Technical Specifications**

- Glow wire resistance: 850 °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.

Intended for tertiary and residential sectors, to be installed in walls made of plaster materials

# DOMOS-K

## Flush-fit mechanism and junction boxes



### Product series

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- 5 models for mechanism boxes of 1, 2, 3, 4 and 5 crowns.
- 3 models for junction boxes.

### Material

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- Self-extinguishing PVC.
- 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 mounted.
- CT115/K reference includes a partition.
- All the references are supplied with the screws already mounted.

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 1-2-3-4K have entries manufactured with elastic material, permitting the installation of 16, 20 and 25 mm pipes.
- Reference 5K has 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 all references.

- 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 CT155/K 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.



# DOMOS-K

## Flush-fit mechanisms and junction boxes for hollow walls

### Flush-fit mechanism boxes. Hollow walls

Reference No.	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	68	4xØ16-20 4xØ20-25	0.02	0.8	1.0	1.2	1.4	1.6	30D1K70
D70/2K	138x68x50	68	2xØ16-20 2xØ20-25 14xØ6-10	0.06	1.6	2.0	2.5	2.9	3.3	30D2K70
D70/3K	209x68x50	68	4xØ16-20 2xØ20-25 12xØ6-10 2xØ6-9	0.10	2.5	3.1	3.7	4.3	4.9	30D3K70
D70/4K	280x68x50	68	6xØ16-20 2xØ20-25 18xØ6-10	0.15	3.3	4.1	4.9	5.7	6.5	30D4K70
D70/5K	354x70x45	68	12xØ10 10xØ20	0.20	4.1	5.1	6.1	7.2	8.2	30D5K70

The screws for hollow wall-mounting are supplied assembled in all references.

Ref. 1K-2K-3K-4K with double-injection elastic entries.

Ref. 2K-3K-4K-5K with partition.

Self-extinguishing PVC (lead-free).

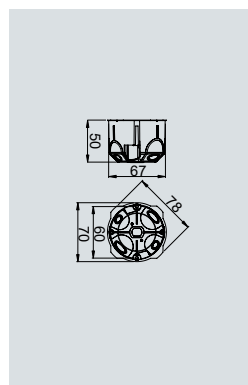
Yellow base.

**Flush fit - Hollow walls - Glow wire resistance 850°.**

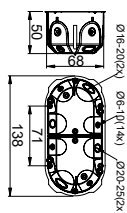
\* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



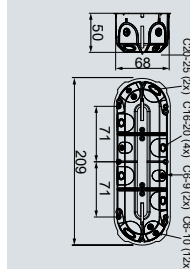
D70/1K



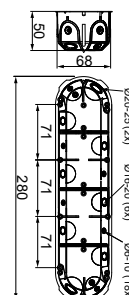
D70/2K



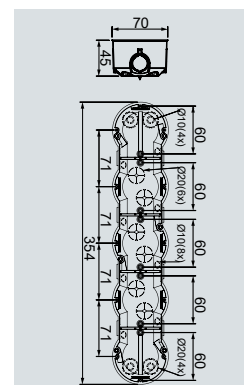
D70/3K



D70/4K



D70/5K





## Flush-fit junction boxes with metal screws. Hollow walls

Reference No.	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	4xØ8 8xØ10 4xØ20	0.16	1.9	2.4	2.9	3.3	3.8	30DK115
CT155/K	155x155x64	40	12xØ10 12xØ20 2xØ25	0.23	3.5	4.4	5.3	6.2	7.1	30DK155
CT217/K	234x176x79	40	22xØ10 26xØ20 10xØ30	0.51	6.0	7.5	9.0	10.5	12.0	30DK217

The screws for hollow wall-mounting are supplied assembled in all references.

Ref. CT115/K with partition.

Self-extinguishing PVC (lead-free).

Yellow base - white cover RAL 9003.

**Flush fit - Hollow walls - Glow wire resistance 850°.**

\* 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

	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



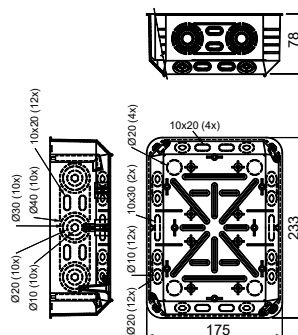
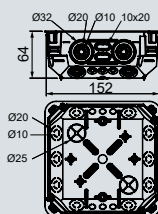
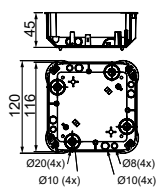
CT115/K



CT155/K



CT217/K



# DOMOS



## IP33 Flush-fit mechanism and junction boxes (Brick walls)

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.

IP  
33

CE



### DOMOS Technical Specifications

- Degree of protection: IP33\*
- Resistance to impact: IK07\*
- Glow wire resistance: 650 °C.
- Ambient temperature range: -5 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.
- Double insulation: Class II\*.

\* 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

# DOMOS

## Mechanism and junction boxes



### 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). Brick walls.
- Ref. CT536/PH for hollow walls.

### 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.  
CT536/PH base: Grey high impact V0 PS.

### 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

**NEW**

### IP33 Flush-fit junction boxes with metal screw. **Hollow walls**

Reference No.	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P[W]*				
				20	25	30	35	40
	HEIGHT X WIDTH X DEPTH		KG					
<b>CT536/PH</b>	320x520x78	305x500x72	2.29	19.7	24.6	29.5	34.4	39.3

**/PH: Reference for hollow walls. Glow wire resistance in base: 850 °C.**

Base: Grey V0 PS. Cover: RAL 9003 white PS. With metal screw.

Halogen-free plastic materials.

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.

### Accessories

Hollow walls	Ref.
Accessories bag for fitting (4 units)	<b>22100</b>
Accessories bag for joining (2 units)	<b>22101</b>





## 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.
- Ref. /PH specially designed for hollow walls.



## 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.

# DOMOS

## Mechanism and junction boxes - Brick walls

### Flush-fit mechanism boxes. Brick walls

Reference No.	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

### Flush-fit junction boxes with plastic claw. Brick walls

Reference No.	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	∅73x42	0.05	0.9	1.1	1.3	1.6	1.8	30DE70
D100	∅103x50	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

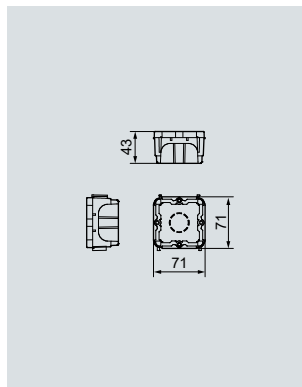
#### HALOGEN-FREE PLASTIC MATERIALS

Base in black PS and cover in RAL 9003 white PS / D70-D100: Base and cover in self-extinguishing RAL 9003 white PVC.

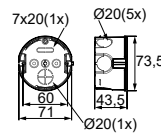
IP33 [Except D88] - Flush-fit.

\* 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.

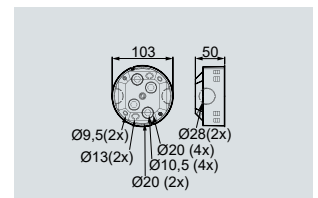
#### D88



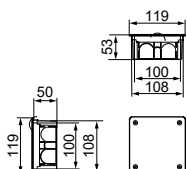
#### D70



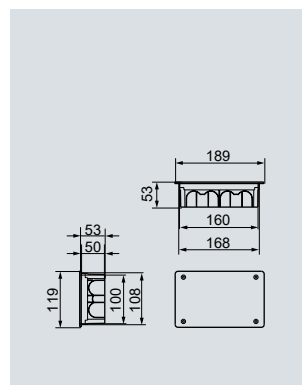
#### D100



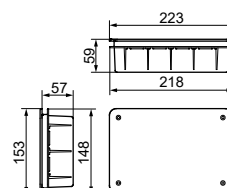
#### D110/CT110



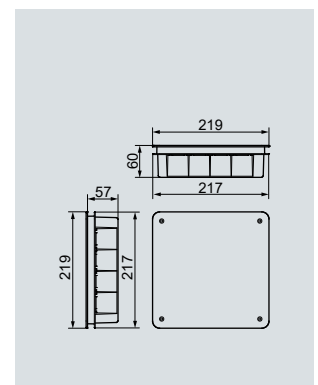
#### D114/CT114



#### D210/CT210



#### CT220



## IP33 Flush-fit junction boxes with metal screw. Brick walls

Reference No.	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	1.87	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.

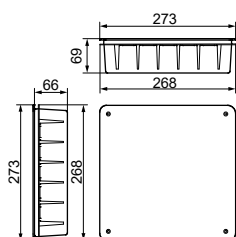
## DOMOS Accessories

	Ref.
Cover for D88	<b>94380</b>
Cover for D70	<b>45925</b>
Cover for D100	<b>45926</b>
Cover for CT110 (screws)	<b>74480</b>
Cover for D110 (clips)	<b>74485</b>
Cover for CT114 (screws)	<b>74450</b>
Cover for D114 (clips)	<b>74455</b>
Cover for CT210 (screws)	<b>74510</b>
Cover for D210 (clips)	<b>74512</b>

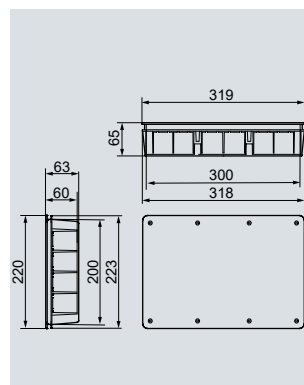
	Ref.
Cover for CT220 (screws)	<b>74490</b>
Cover for CT225 (screws)	<b>74515</b>
Cover for CT326 (screws)	<b>74460</b>
Cover for CT338 (screws)	<b>74500</b>
Cover for CT536 (screws)	<b>74470</b>
4x13 screws for covers	<b>92611</b>



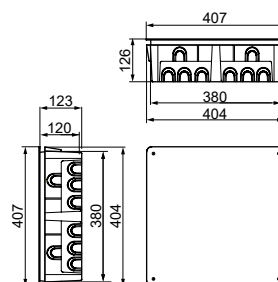
CT225



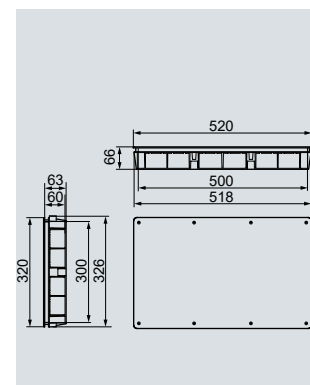
CT326



CT338



CT536





# VERDI



## 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.

IP  
40IP  
55

CE



## VERDI Enclosures Technical Specifications

---

- Degree of protection: IP40 / IP55.
- Resistance to impact: IK07.
- Glow wire resistance: 650 °C.
- Double insulation: Class II.

## VERDI Mechanisms Technical Specifications

---

- Rated voltage: 250 V.
- Rated current: 10 A / 16 A / 20 A.  
(20 A including fluorescent loads).
- Entry section: 4 mm<sup>2</sup>.

## VERDI Certifications

---

CE

**Boxes:** Compliant with 2014/35/EU.

Standards: UNE-EN 60670-1-22 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

# VERDI

## IP40-IP55 surface boxes and mechanisms

### IP40 mechanism boxes

Reference No.	No. of modules	Dimensions	Weight	IP	Type
		HEIGHT X WIDTH X DEPTH	KG		
<b>45011</b>	1 module	85x70x55	0.07	40	1M
<b>45012</b>	2 modules	85x70x55	0.07	40	2M
<b>45013</b>	3 modules	85x95x55	0.10	40	3M
<b>45014</b>	4 modules	85x142x55	0.13	40	4M
<b>45016</b>	6 modules	85x190x55	0.17	40	6M
<b>45018</b>	12 modules	157.4x185x78	0.31	40	12M

#### HALOGEN-FREE PLASTIC MATERIALS

ABS RAL 7035 grey.

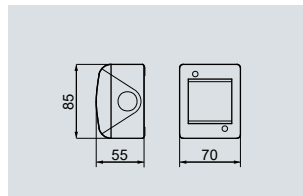
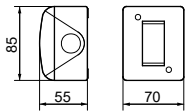
IP40 - Surface.



**1 module**  
**45011**



**2 modules**  
**45012**



**3 modules**  
**45013**



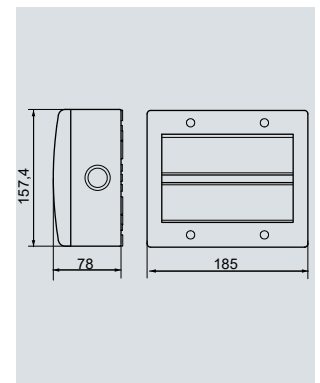
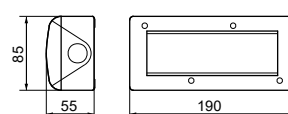
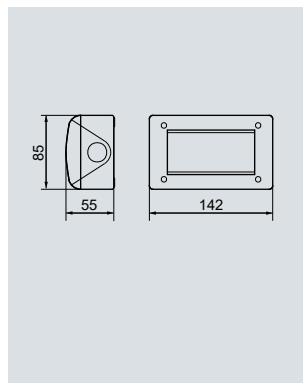
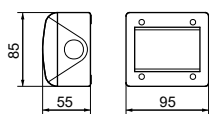
**4 modules**  
**45014**



**6 modules**  
**45016**



**12 modules**  
**45018**



## IP55 mechanism boxes

Reference No.	No. of modules	Dimensions	Weight	IP	Type
		HEIGHT X WIDTH X DEPTH			
<b>45001</b>	1 module	85x70x63	0.10	55	1M
<b>45002</b>	2 modules	85x70x63	0.10	55	2M
<b>45003</b>	3 modules	85x95x63	0.13	55	3M
<b>45004</b>	4 modules	85x142x63	0.16	55	4M

### HALOGEN-FREE PLASTIC MATERIALS

ABS RAL 7035 grey.

IP55 - Surface.



**1 module**  
**45001**



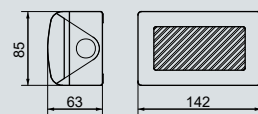
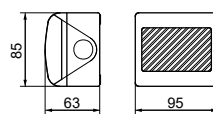
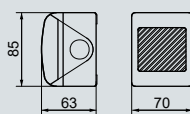
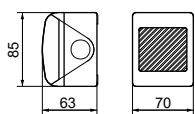
**2 modules**  
**45002**



**3 modules**  
**45003**



**4 modules**  
**45004**





SWITCH



DOUBLE-ARROW SINGLE-POLE SWITCH



BELL BUTTON



DIMMER

## Mechanisms

Reference No.	Description	Characteristics	Modules
45121	Single-pole switch	16 A - 250 V	1/2
45101	Single-pole switch (mechanism + key)	16 A - 250 V	1
45111	Single-pole light-up switch*	16 A - 250 V	1
45110	Double-pole switch	16 A - 250 V	1
45140	Double-pole switch with key	16 A - 250 V	1
45122	Single-pole switch	16 A - 250 V	1/2
45102	Single-pole switch	16 A - 250 V	1
45112	Single-pole light-up switch*	16 A - 250 V	1
45180	Double-arrow single-pole switch	10 A - 250 V	1
45181	Double-arrow double-pole switch	10 A - 250 V	1
45125	Single-pole pushbutton	16 A - 250 V	1/2
45105	Single-pole pushbutton	10 A - 250 V	1
45115	Single-pole light-up pushbutton*	10 A - 250 V	1
45165	Single-pole pushbutton with key	16 A - 250 V	1
45155	Single-pole bell pushbutton w/light-up board*	16 A - 250 V	2
45104	Crossing	16 A - 250 V	1
45400	Dimmer	100-500 W 230 V / 60-300 W 127 V	1

\* Lamp Ref. 45425 must be requested to obtain the full set (page 365).

## Covers for mechanisms

Reference No.	Description	Characteristics	Modules
45401	Blanking cover	-	1/2
45402	Blanking cover	-	1



SCHUKO-TYPE  
PLUGS

SIGNALLING  
LIGHT

EMERGENCY  
PUSHBUTTON

EMERGENCY LIGHT

## Sockets

Reference No.	Description	Characteristics	Modules
45201	Schuko-type socket	2P+E - 16 A - 250 V	2
45200	Red Schuko-type socket	2P+E - 16 A - 250 V	2
45202	Safety screen socket	2P+E - 16 A - 250 V	-
45231	4-pin phone socket	RJ11 connector	1
45233	8-pin IT socket	RJ45 connector AMP Cat. 5	1
45250	8-pin IT socket	RJ45 connector 3M Cat.6	1
45240	9.5-mm TV socket	Frequency 40/862 MHz	-

## Signalling

Reference No.	Description	Characteristics	Modules
45301	Transparent signalling light*	-	-
45302	Green signalling light*	-	-
45303	Red signalling light*	-	-
45425	Bulb for mechanisms with cables	230V	-
45310	LED emergency bulb 3-h life	1.2mA - 230V	2

\* Lamp Ref 45425 or 45310 must be requested.

## Emergency

Reference No.	Description	Characteristics	Modules
45175	Red emergency pushbutton	20A - 250V	2

# AMERICAN

IP20 boxes for electrical components



## 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.

## IP20 boxes for electrical components

Reference No.	Description	Inches	Cable entry	Weight
				<b>KG</b>
<b>45080</b>	Box without cover	4"x2"	4x1/2 - 3x3/4 - 2x1 - 2x3/4 - 1	0.04
<b>45081</b>	Box without cover	4"x4"	4x1/2 - 6x3/4 - 5x1	0.06
<b>45082</b>	Cover for mechanisms	4"x4"	-	0.02
<b>45083</b>	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**

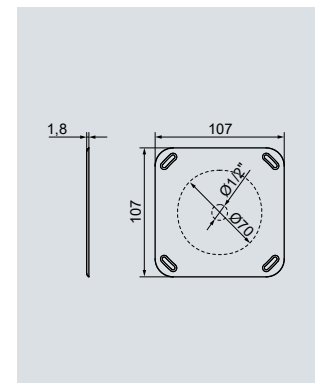
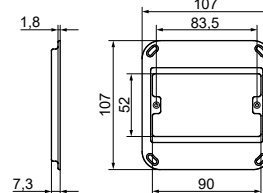
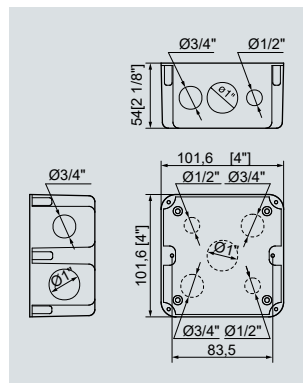
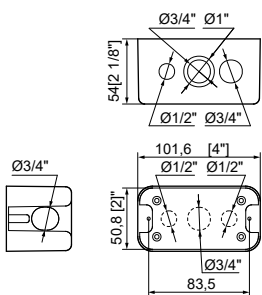
CABLE ENTRY: 4xØ1/2" - 6xØ3/4" - 5xØ1"



**45082**

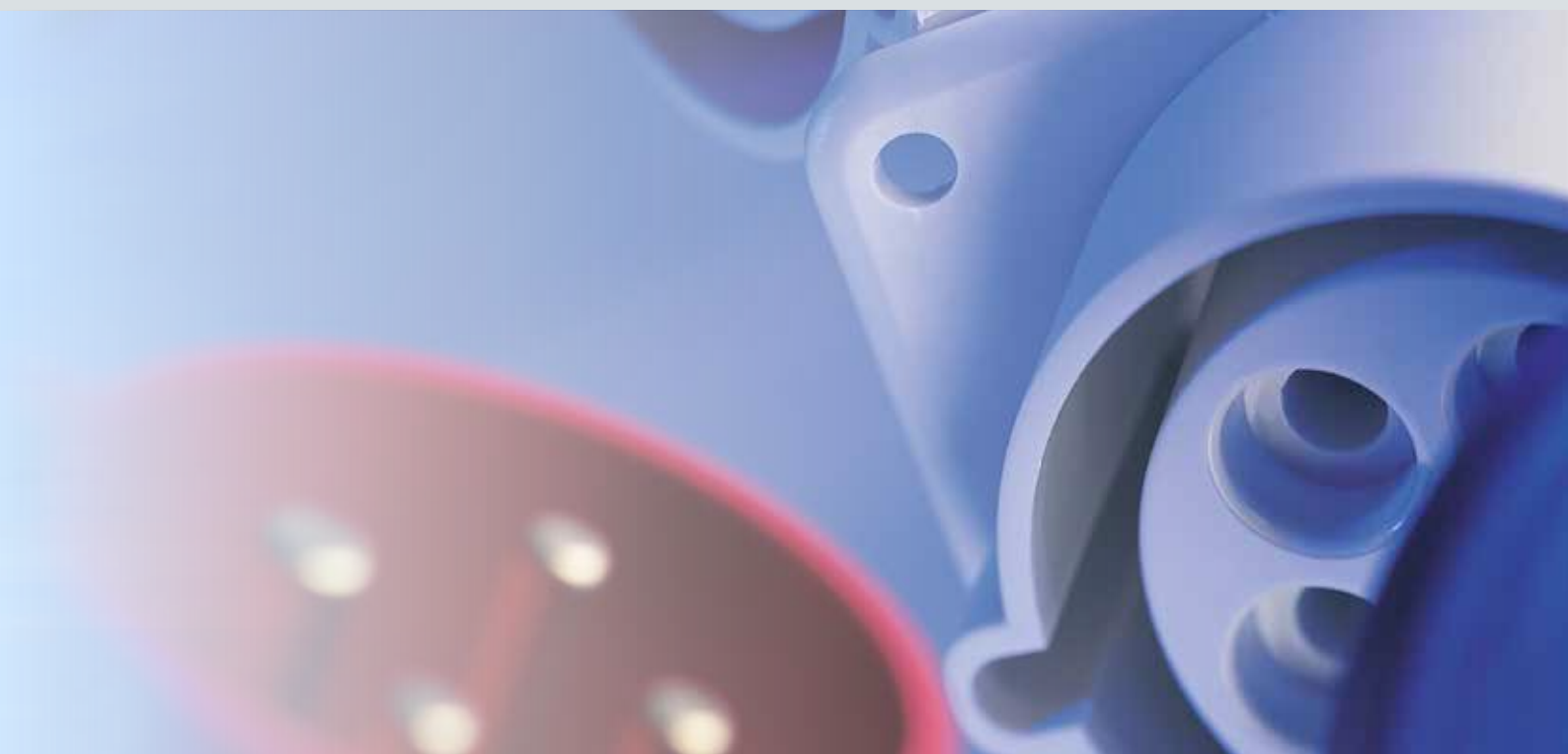


**45083**









# POWER SOCKETS

Industrial plugs and sockets

**Mundial series**  
SCHUKO-TYPE  
LOW VOLTAGE  
INTERLOCKING  
EXTRA LOW VOLTAGE

# MUNDIAL



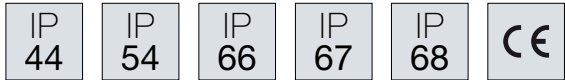
## Industrial plugs and sockets

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 / IP66 / IP67 / IP68.  
Low voltage: IP44 / IP66 / IP67.  
Interlocking: IP44 / IP54 / 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.  
Standard: UNE-EN 60309-1, UNE-EN 60309-2 and IEC 60884-1 and Directive 2011/65/EU RoHS for Schuko-type sockets.

# MUNDIAL



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 <sup>2</sup>	Rigid mm <sup>2</sup>
16	4	6
32	6	10
63	16	25
125	50	70

## Position of the earth contact (According to IEC 60309-2 - Series I)

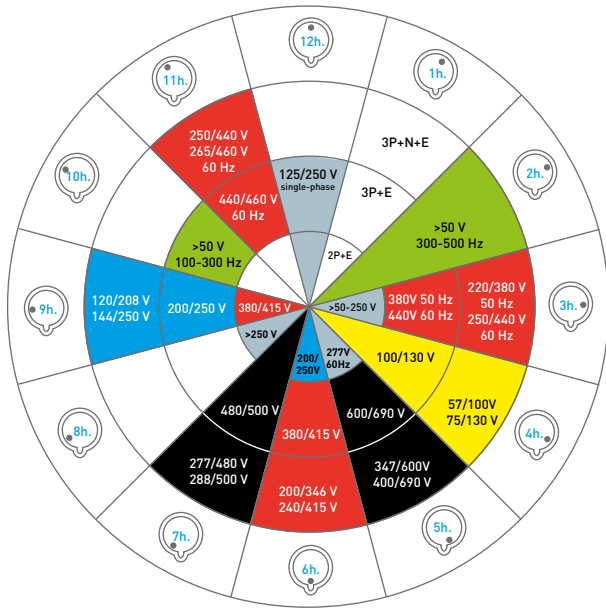
Voltage (V)	Frequency (HZ)	2P+E		3P+E		3P+N+E	
		16-32 A	63-125 A	16-32 A	63-125 A	16-32 A	63-125 A
63.5/110 - 75/130	50/60	-	-	-	-	4	4
110 - 130	50/60	4	4	4	4	-	-
120/208 - 144/250	50/60	-	-	-	-	9	9
220 - 250	50/60	6	6	9	9	-	-
220/380 - 240/415	50/60	-	-	-	-	6	6
220/380 - 250/440	50/60	-	-	-	-	3	3*
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

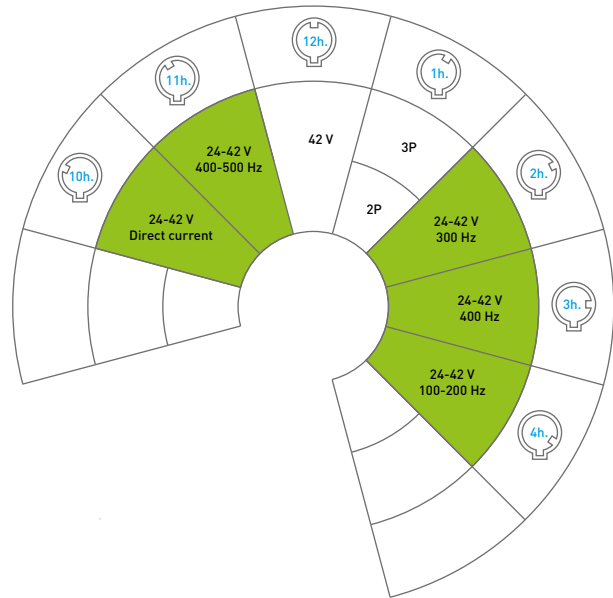
### Low Voltage Elements

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.

# SCHUKO-TYPE

## 50/60 Hz industrial plugs and sockets

### 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: 16 A.
- Voltage: 250 V.
- Poles: 2P+E.



IP54 FLUSH-FIT SOCKET



IP67 FLUSH-FIT SOCKET



IP67 WALL SOCKET



IP66-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 mm<sup>2</sup>/(Ohm mm<sup>2</sup>).
- 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



### 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 IP54 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.



# SCHUKO-TYPE

## 50/60 Hz industrial plugs and sockets

### 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 00102	00103 00104

Sockets with screw terminal and lateral contact.

### IP54 Schuko-type sockets



IP54 socket with shutter

With screw terminal  
Type: SK54 LAT/CT



With screwless  
terminal



IP54 French socket with shutter

With screw terminal  
Type: SK54 PIN/CT



With screwless  
terminal

Current	Poles	Volt. (V)	Time code	Reference No.	Reference No.	Reference No.	Reference No.
16A	2P+E	250	-	00456 00452	00402	00464	00414

### IP66-IP67-IP68 Schuko-type sockets and plugs



IP67 flush-fit socket\*



IP67 wall socket\*



IP66-IP68  
wander socket



IP66-IP68  
wander plug

Current	Poles	Volt. (V)	Time code	Reference No.	Reference No.	Reference No.	Reference No.
16A	2P+E	250	-	00105 00164	00135	00118	00114

See dimensions on pages: 378-379.

\* Ref. 00105-00135 with lateral contact. Ref. 00164 with type-PIN contact.

## Rubber sockets and plugs



IP54 rubber wander plug



IP20 rubber wander socket



IP44 multiple rubber socket

Current	Poles	Volt. (V)	Time code	Reference No.	Reference No.	Reference No.
16A	2P+E	250	-	00115	00125 00125/F	00130

Reference 00115 with dual earthing system. Reference 00125/F with French/Belgian system.

## 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	200/346 - 240/415	6	00313	00123
32A	2P+E	200/250	6	00214	-
	3P+E	380/415	6	00315	-
	3P+N+E	200/346 - 240/415	6	00316	-

## IP44 multiple socket



Current	Poles	Voltage (V)	Time code	Reference No.	
16A	2P+E	230	-	1 plug + 3 sockets	00140

## Data socket



Description	Reference No.
Network socket housing (for two RJ45 sockets). 50x50 mm	00145
Network socket connector 6A Keystone Jack RJ45 STP	00146

Both references must be requested to obtain the full set.

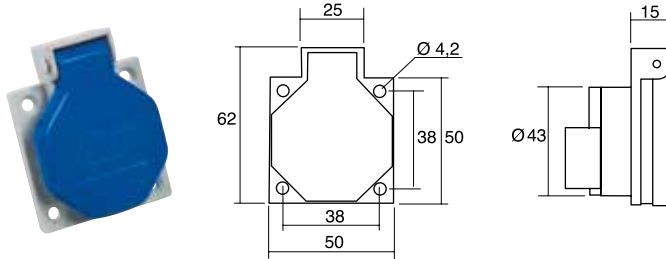
See dimensions on pages: 380-381.

# SCHUKO-TYPE

## 50/60 Hz industrial plugs and sockets dimensions

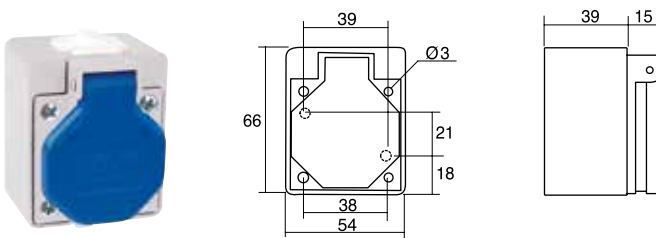
### DIMENSIONS

#### IP44 Schuko-type flush-fit socket



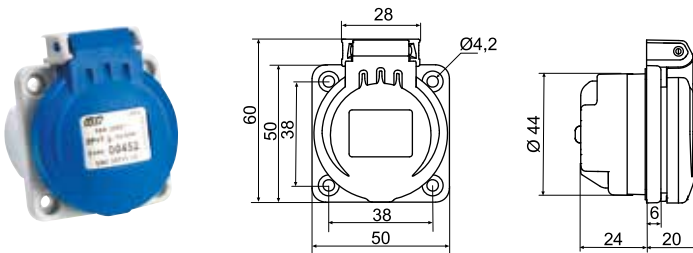
Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	62	50	40

#### IP44 Schuko-type wall socket



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	66	54	54

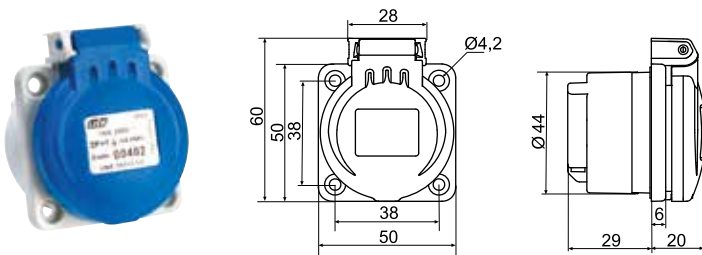
#### IP54 Schuko-type flush-fit sockets with shutter and screw terminal



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	60	50	44

Flush-fit gap:  $\varnothing 4^{+0}_{-0.5}$

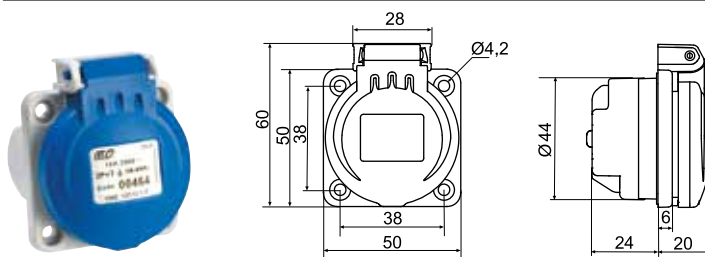
#### IP54 Schuko-type flush-fit sockets with shutter and screwless terminal



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	60	50	49

Flush-fit gap:  $\varnothing 4^{+0}_{-0.5}$

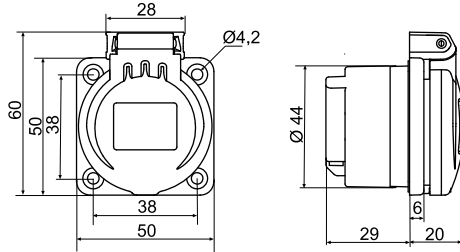
#### IP54 Schuko-type French-type sockets with shutter and screw terminal



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	60	50	44

Flush-fit gap:  $\varnothing 4^{+0}_{-0.5}$

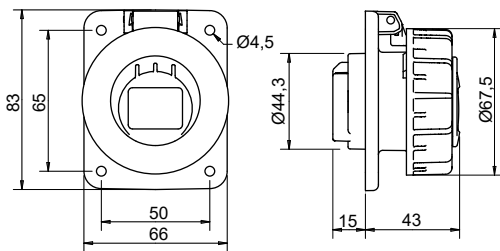
### IP54 Schuko-type French-type sockets with shutter and screwless terminal



Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	60	50	49

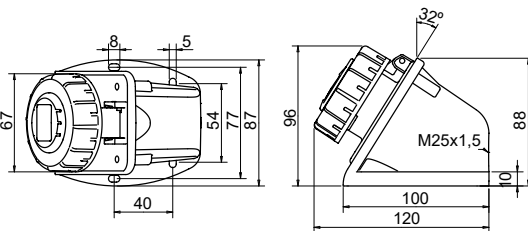
Flush-fit gap:  $\varnothing 4^{+0}_{-0.5}$

### IP66-IP67 Schuko-type flush-fit sockets



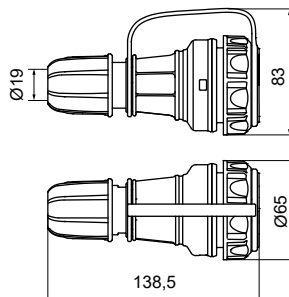
Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	83	66	58

### IP67 Schuko-type wall sockets



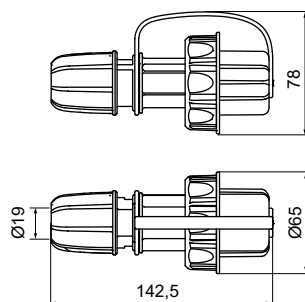
Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P+E	96	87	120

### IP66-IP68 Schuko-type wander socket



Current	Poles	Dimensions	
		LENGTH	Ø
16A	2P+E	139	65

### IP66-IP68 Schuko-type wander plug

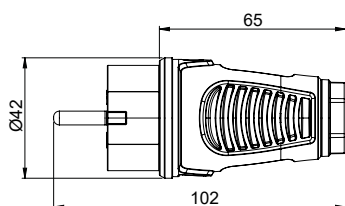


Current	Poles	Dimensions	
		LENGTH	Ø
16A	2P+E	143	65

# SCHUKO-TYPE

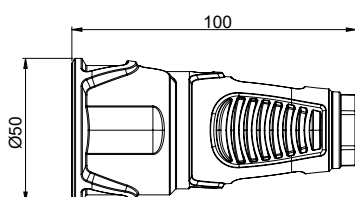
## 50/60 Hz industrial plugs and sockets dimensions

### IP54 rubber wander plug



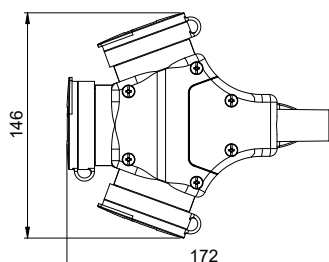
Current	Poles	Dimensions	
		LENGTH	Ø
16A	2P+E	102	42

### IP20 rubber wander socket



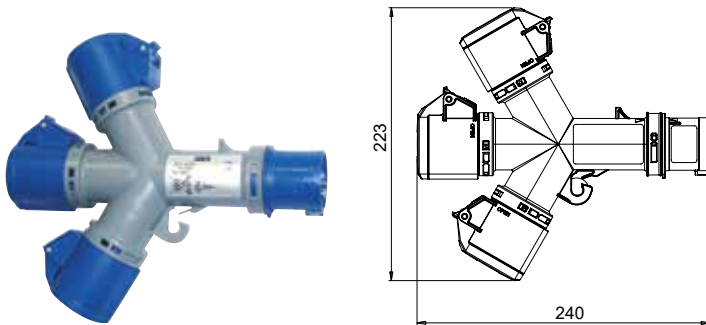
Current	Poles	Dimensions	
		LENGTH	Ø
16A	2P+E	100	50

### IP44 multiple rubber socket



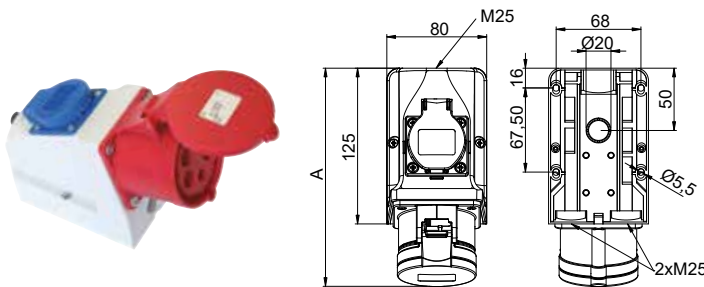
Current	Poles	Dimensions	
		LENGTH	HEIGHT
16A	2P+E	172	146

### IP44 multiple socket



Current	Poles	Dimensions	
		LENGTH	HEIGHT
16A	2P+E	240	223

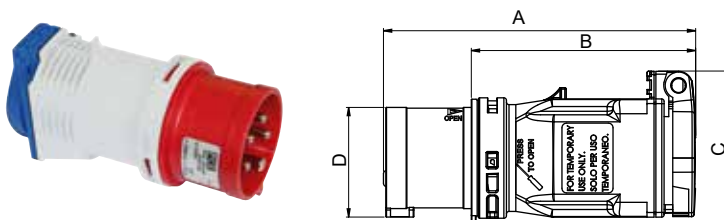
### IP44 combo socket



B= Height:  
15°= Slope

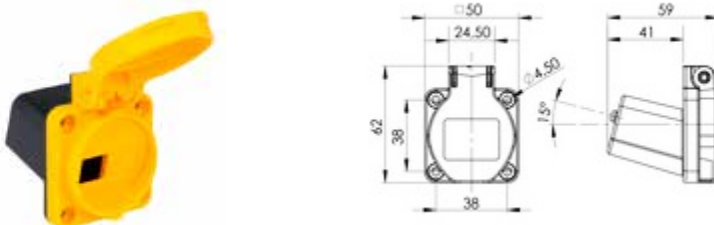
Current	Poles	Dimensions		
		A	B	M
16A	2P+E	175	127	3x25
	3P+E	176	130	3x25
	3P+N+E	176	133	3x25
32A	2P+E	188	136	3x25
	3P+E	188	136	3x25
	3P+N+E	188	141	3x25

### IP44 combo plug



Current	Poles	Dimensions			
		A	B	C	D
16A	2P+E	134	96	65	47
	3P+N+E	133	96	74	61

### Data socket



# LOW VOLTAGE

## 50/60 Hz industrial plugs and sockets

### 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: 16 A – 32 A.
- 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: 16 A – 32 A – 63 A – 125 A.
- 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 mm<sup>2</sup>).
- 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.

IP  
44IP  
67

CE



## Wander socket and plug

- 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 16 A and 32 A sockets and two for 63 A and 125 A 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.



# LOW VOLTAGE

## 50/60 Hz industrial plugs and sockets

### 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											
	3P+N+E	>50(100-300Hz)	10	█	-	07382	07352	07282											
		>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											
	3P+N+E	>50(100-300Hz)	10	█	-	07385	07395	07285											
		>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: 388-389.



## 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

See dimensions on page: 389.

## IP44-IP67 phase inverter connectors



IP44 phase inverter

IP67 phase inverter

Current	Poles	Voltage (V)	Time code	Reference No.	Reference No.	
16A	3P+E	200/250	9		08509	08510
	3P+E	380/415	6		08501	08505
	3P+N+E	200/346 - 240/415	6		08502	08506
32A	3P+E	200/250	9		08511	08512
	3P+E	380/415	6		08503	08507
	3P+N+E	200/346 - 240/415	6		08504	08508

# LOW VOLTAGE

## 50/60 Hz industrial plugs and sockets

### IP66-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	02851P	02871	02871P	02751	02751P
	3P+E	380/415	6	03852	03852P	03872	03872P	03752	03752P
		480/500	7	05852		05872		05752	
		200/250	9	02852		02872		02752	
3P+N+E	200/346 240/415	6	03853	03853P	03873	03873P	03753	03753P	
125A	2P+E	100/130	4	01854	01874	01754			
		200/250	6	02854	02854P	02874	02874P	02754	02754P
	3P+E	380/415	6	03855	03855P	03875	03875P	03755	03755P
		480/500	7	05855		05875		05755	
		200/250	9	02855		02875		02755	
3P+N+E	200/346 240/415	6	03856	03856P	03876	03876P	03756	03756P	

Available with nickel-plated contacts for marine environments. Ask us about price and delivery terms.

See dimensions on pages: 390-391.

P: Sockets with pilot contact.

## IP66-IP67 low voltage plugs



I	Poles	Voltage (V)	Time code	Wander plugs			Flush-fit plugs*			Wall plugs		
				Reference No.	Reference No.	Reference No.	Reference No.	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(100-300Hz)	10		07682	-	-					
		>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					
	200/250	9		02605	02615	02625						
	3P+N+E	>50(100-300Hz)	10		07685	-	-					
		>50(301-500Hz)	2		07606	-	-					
		57/100 75/130	4		01606	-	-					
		200/346 240/415	6		03606	03616	03626					
277/480 288/500		7		05606	-	-						
120/208 144/250	9		02606	-	-							
63A	2P+E	100/130	4		01651	01661	01671					
		200/250	6		02651	02661	02671					
	3P+E	380/415	6		03652	03662	03672					
		480/500	7		05652	05662	05672					
		200/250	9		02652	02662	02672					
3P+N+E	200/346 240/415	6		03653	03663	03673						
125A	2P+E	100/130	4		01654	01664	01674					
		200/250	6		02654	02664	02674					
	3P+E	380/415	6		03655	03665	03675					
		480/500	7		05655	05665	05675					
		200/250	9		02655	02665	02675					
3P+N+E	200/346 240/415	6		03656	03666	03676						

Available with nickel-plated contacts for marine environments.  
Ask us about price and delivery terms.  
63A and 125A plugs with pilot contact.

\* Flush-fit plugs:  
- 16 A - 32 A: Angled IP67.  
- 63 A - 125 A: Sloping.

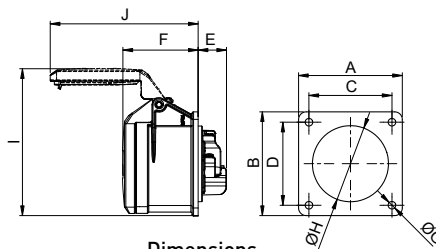
See dimensions on  
pages: 391-393.

# LOW VOLTAGE

## 50/60 Hz industrial plugs and sockets dimensions

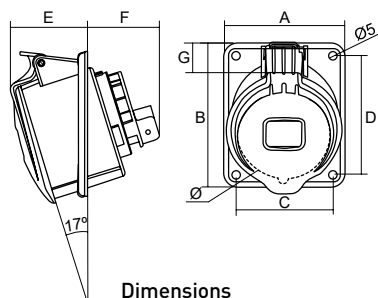
### DIMENSIONS

#### IP44 straight flush-fit sockets



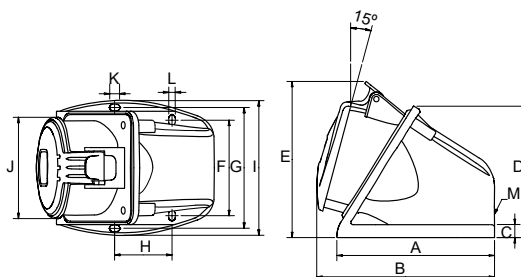
Current	Poles	Dimensions							
		(AxB)	(CxD)	E	F	G	H	I	J
16A	2P+E	70x70	56x56	21	55	5,5	43	87	101
	3P+E	70x70	56x56	21	55	5,5	45	101	101
	3P+N+E	70x70	56x56	21	55	5,5	55	105	107
32A	2P+E	70x70	56x56	23	67	5,5	55	112	122
	3P+E	70x70	56x56	23	67	5,5	55	112	122
	3P+N+E	70x70	56x56	23	67	5,5	58	108	136

#### IP44 sloping flush-fit sockets



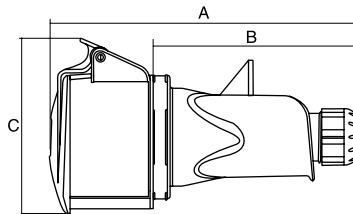
Current	Poles	Dimensions							
		A	B	C	D	E	F	Ø	G
16A	2P+E	66	83	50	65	43	43	53	17
	3P+E	66	83	50	65	43	43	60	14
	3P+N+E	80	96	64	79	43	47	66	15
32A	2P+E	80	96	64	79	50	51	68	14
	3P+E	80	96	64	79	50	51	68	14
	3P+N+E	80	96	64	79	50	51	74	11

#### IP44 wall sockets



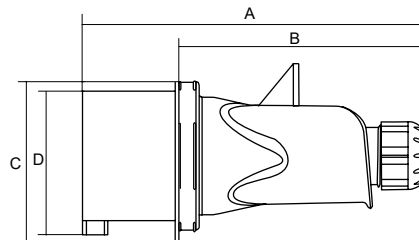
Current	Poles	Dimensions												
		A	B	C	D	E	F	G	H	I	J	K	L	M
16A	2P+E	100	109	10	88	98	53.6	76.6	40	87	55.5	8	5	M25x1.5
	3P+E	100	109	10	88	103	53.6	76.6	40	87	61.8	8	5	M25x1.5
	3P+N+E	118	127	10	99	117	71.6	90.6	43	101	70	8	5	M25x1.5
32A	2P+E	118	132	10	99	117	71.6	90.6	43	101	70	8	5	M25x1.5
	3P+E	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

### IP44 wander sockets



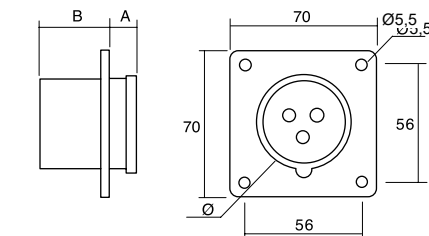
Current	Poles	Dimensions		
		A	B	C
16A	2P+E	151	96	82
	3P+E	156	106	86
	3P+N+E	161	111	98
32A	2P+E	171	111	98
	3P+E	171	111	98
	3P+N+E	178	118	102

### IP44 wander plugs



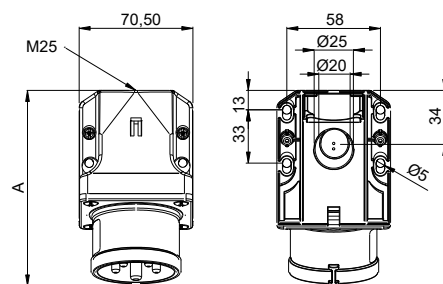
Current	Poles	Dimensions			
		A	B	C	D
16A	2P+E	134	96	55	54
	3P+E	144	106	61	58
	3P+N+E	149	111	69	66
32A	2P+E	156	111	72	66
	3P+E	156	111	72	66
	3P+N+E	163	118	78	72

### 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



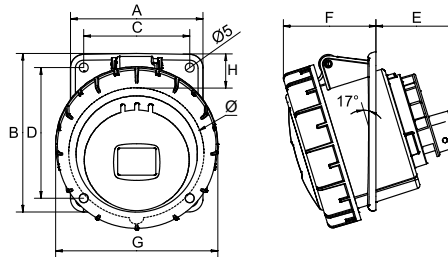
B= Height. 15°= Slope

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

# LOW VOLTAGE

## 50/60 Hz industrial plugs and sockets dimensions

### IP66-IP67 sloping flush-fit sockets



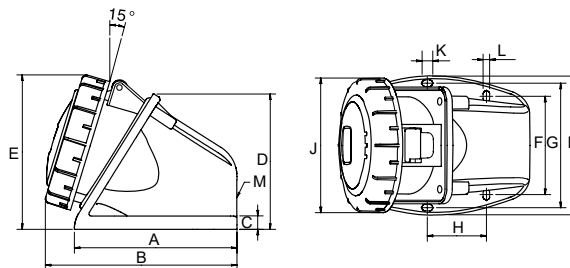
Current

Poles

Dimensions

Current	Poles	Dimensions								Ø Oblong (H X W)
		A	B	C	D	E	F	G	H	
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

### IP66-IP67 wall sockets



Current

Poles

Dimensions

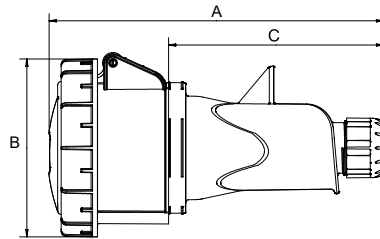
Current	Poles	Dimensions												
		A	B	C	D	E	F	G	H	I	J	K	L	M
16A	2P+E	100	117	10	88	90	53.6	76.6	40	87	69	8	5	M25x1.5
	3P+E	100	117	10	88	95	53.6	76.6	40	87	77	8	5	M25x1.5
	3P+N+E	118	135	10	99	108	71.6	76.6	43	101	89	8	5	M25x1.5
32A	2P+E	118	140	10	99	108	71.6	90.6	43	101	89	8	5	M25x1.5
	3P+E	118	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.

IP  
66IP  
67

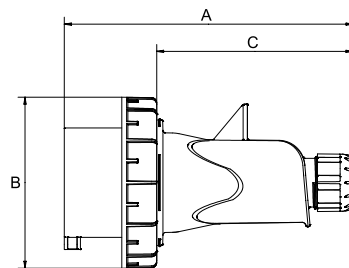
CE

## IP66-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	-

## IP66-IP67 wander plugs



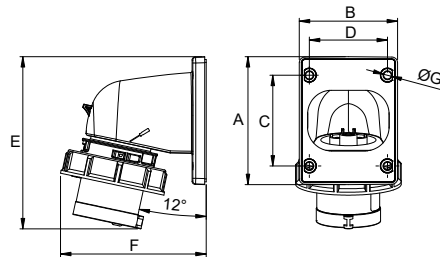
Current	Poles	Dimensions		
		A	B	C
16A	2P+E	134	69	96
	3P+E	144	77	106
	3P+N+E	149	89	111
32A	2P+E	156	89	111
	3P+E	156	89	111
	3P+N+E	163	98	118
63A	2P+E	257	114	-
	3P+E	257	114	-
	3P+N+E	257	114	-
125A	2P+E	270	131	-
	3P+E	270	131	-
	3P+N+E	270	131	-



# LOW VOLTAGE

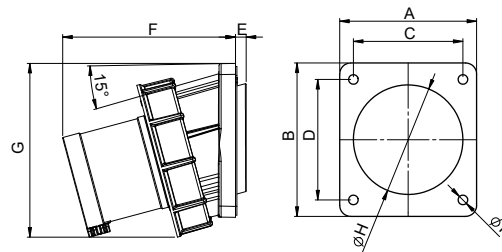
## 50/60 Hz industrial plugs and sockets dimensions

### IP67 angled flush-fit plugs



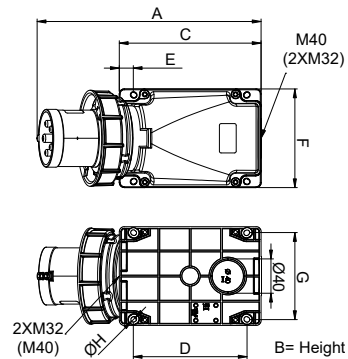
Current	Poles	Dimensions						
		A	B	C	D	E	F	G
16A	2P+E	86	66	61	53	116	99	5
	3P+E	86	66	61	53	117	103	5
	3P+N+E	100	90	85	77	153	107	5
32A	2P+E	100	90	85	77	163	110	5
	3P+E	100	90	85	77	163	110	5
	3P+N+E	100	90	85	77	164	114	5

### IP66-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

## IP66-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

# INTERLOCKING

## 50/60 Hz industrial sockets



## INTERLOCKING SOCKETS

### Product series

- IP44-IP54 / IP66-IP67 flush-fit sockets.
- IP44-IP54 / IP66-IP67 wall sockets.
- IP66-IP67 Wall sockets with DIN rail.
  
- Current: 16 A – 32 A – 63 A.
- Voltage: 110 V – 220 V – 380 V – 500 V.
- 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 mm<sup>2</sup>/(Ohm mm<sup>2</sup>).
- 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.

## IP44-IP54-IP66-IP67 low voltage interlocking sockets



Current	Poles	Voltage (V)	Time code					
				IP44-IP54 flush-fit	IP44-IP54 wall	IP66-IP67 flush fit	IP66-IP67 wall	IP66-IP67 wall with 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

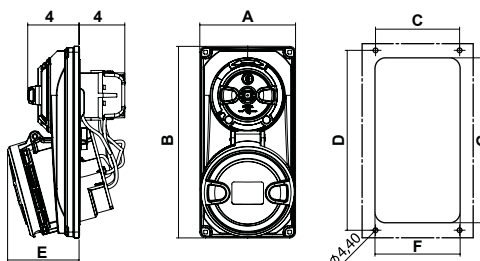
Available with nickel-plated contacts for marine environments. Ask us about price and delivery terms.  
See dimensions on pages: 396-397.

# INTERLOCKING

## 50/60 Hz industrial sockets dimensions

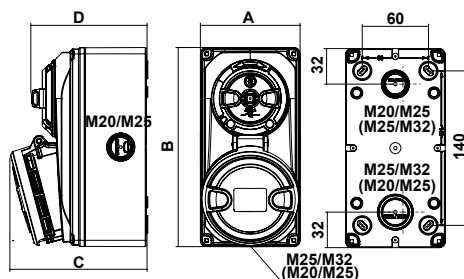
### DIMENSIONS

#### IP44-IP54 flush-fit interlocking sockets



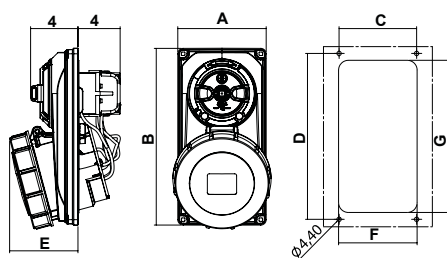
Current	Poles	Dimensions						
		A	B	C	D	E	F	G
16A	2P+E	90	180	79	169	58	80	155
	3P+E	90	180	79	169	60	80	155
	3P+N+E	90	180	79	169	61	80	155
32A	2P+E	90	180	79	169	66	80	155
	3P+E	90	180	79	169	66	80	155
	3P+N+E	90	180	79	169	67	80	155

#### IP44-IP54 wall interlocking sockets



Current	Poles	Dimensions			
		A	B	C	D
16A	2P+E	90	180	115	105
	3P+E	90	180	117	105
	3P+N+E	90	180	118	105
32A	2P+E	90	180	123	105
	3P+E	90	180	123	105
	3P+N+E	90	180	124	105

#### IP66-IP67 flush-fit interlocking sockets



Current	Poles	Dimensions						
		A	B	C	D	E	F	G
16A	2P+E	90	180	79	169	59	80	155
	3P+E	90	180	79	169	61	80	155
	3P+N+E	90	180	79	169	65	80	155
32A	2P+E	90	180	79	169	67	80	155
	3P+E	90	180	79	169	67	80	155
	3P+N+E	90	180	79	169	70	80	155

## IP66-IP67 wall interlocking sockets

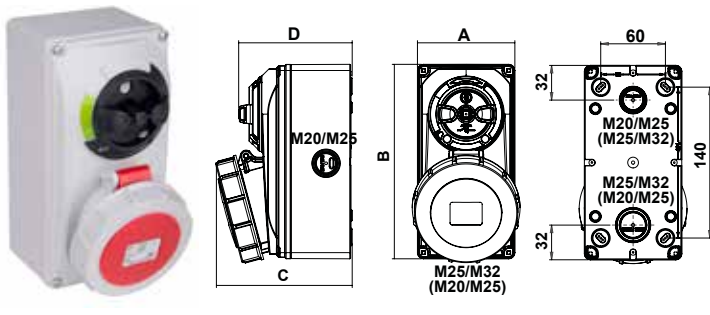


Photo and drawing representative for 16 A - 32 A sockets.

I	Poles	Dimensions						
		A	B	C	D	E	F	ØG
16A	2P+E	90	180	116	105	-	-	-
	3P+E	90	180	118	105	-	-	-
	3P+N+E	90	180	122	105	-	-	-
32A	2P+E	90	180	124	105	-	-	-
	3P+E	90	180	124	105	-	-	-
	3P+N+E	90	180	127	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 A - 32 A sockets.

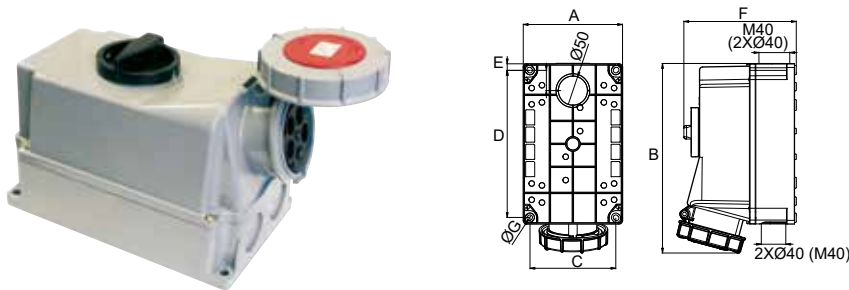


Photo and drawing representative for 63 A sockets.

Photo and drawing representative for 63 A sockets.

## IP66-IP67 wall interlocking sockets with DIN rail

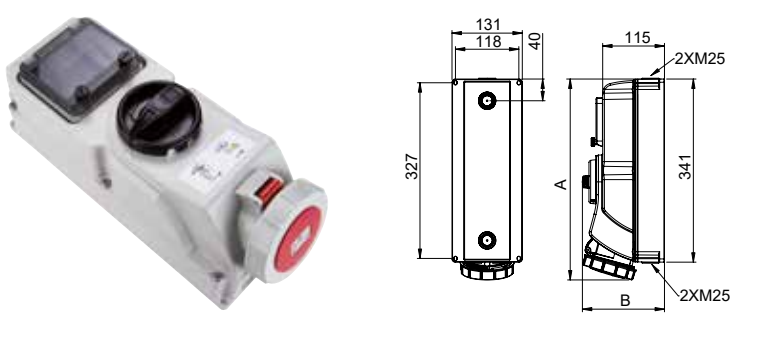


Photo and drawing representative for 16 A - 32 A sockets.

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 A - 32 A sockets.

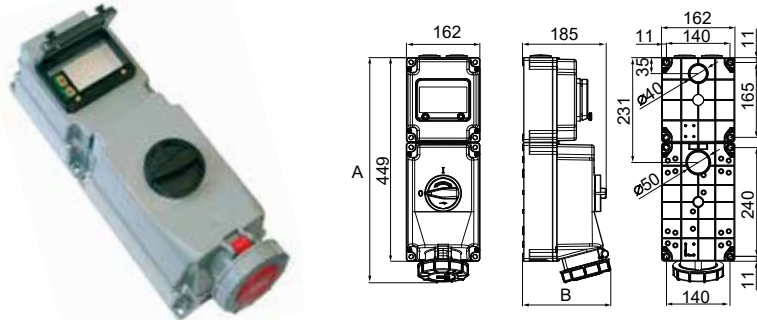


Photo and drawing representative for 63 A sockets.

Photo and drawing representative for 63 A sockets.

# EXTRA LOW VOLTAGE

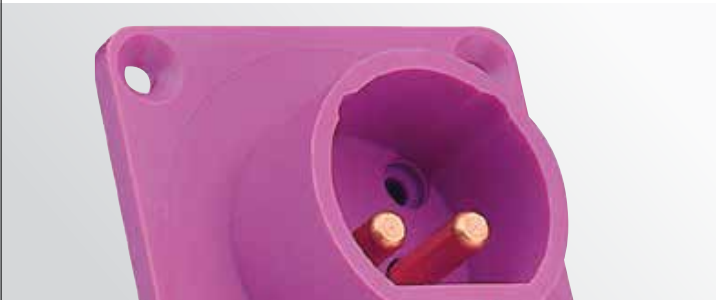
## 50/60 Hz industrial plugs and sockets



## 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 mm<sup>2</sup>/(Ohm mm<sup>2</sup>).
- 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.

## 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: 400-401.

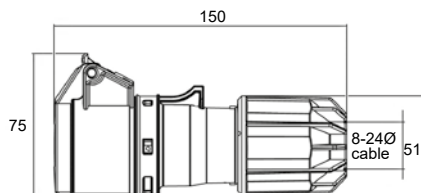


# EXTRA LOW VOLTAGE

## 50/60 Hz industrial plugs and sockets dimensions

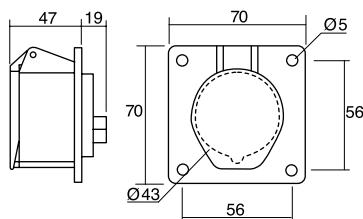
### DIMENSIONS

#### IP44 wander sockets



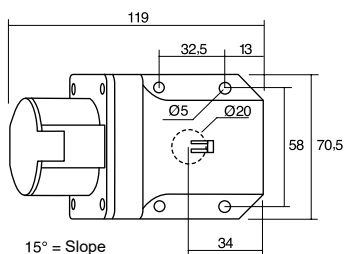
Current	Poles	Dimensions	
		HEIGHT	LENGTH
16A	2P	75	150
	3P	75	150
32A	2P	75	150
	3P	75	150

#### IP44 straight flush-fit sockets



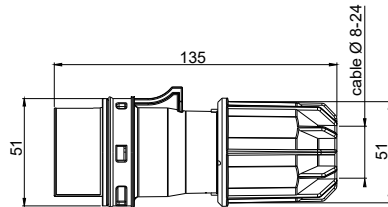
Current	Poles	Dimensions		
		HEIGHT	WIDTH	DEPTH
16A	2P	70	70	66
	3P	70	70	66
32A	2P	70	70	66
	3P	70	70	66

#### IP44 wall sockets



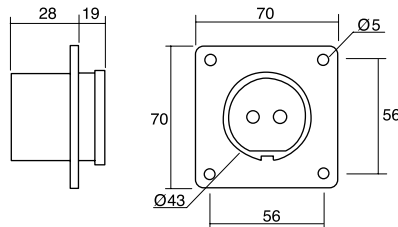
Current	Poles	Dimensions		
		HEIGHT	WIDTH	LENGTH
16A	2P	85	70.5	119
	3P	85	70.5	119
32A	2P	85	70.5	119
	3P	85	70.5	119

### IP44 wander plugs



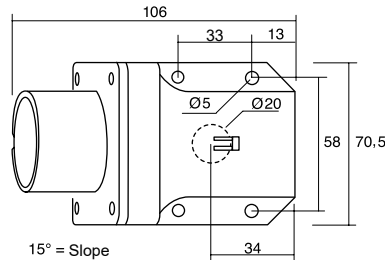
Current	Poles	Dimensions	
		HEIGHT	LENGTH
16A	2P	51	135
	3P	51	135
32A	2P	51	135
	3P	51	135

### 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

# PACKING UNITS

## Plastic enclosures

### Pryma



Ref.	MOQ	Packing
178P	5	Single
178M	5	Single
1712GM	2	Single
1724GM	2	Single

### Star



Ref.	MOQ	Packing
CSNPLUS - PCSNPLUS	6	Single
CSN4PT	6	Single
CSN6PT - PCSN6PT	6	Single
CSN9PT - PCSN9PT	5	Single
CSN12PT - PCSN12PT	4	Single
CSN18PT - PCSN18PT	2	Single
CSN24PT - PCSN24PT	1	Single
CSN36PT - PCSN36PT	1	Single

### Ecology



Ref.	MOQ	Packing
CDN4G	15	Single
CDN4PT - CDP4PT	6	Single
CDN6PT - CDP6PT	6	Single
CDN8PT - CDP8PT	4	Single
CDN12PT - CDP12PT	5	Single
CDN18PT - CDP18PT	4	Single
CDN24PT - CDP24PT	4	Single
CDN36PT2F - CDP36PT2F	2	Single
CDN36PT3F - CDP36PT3F	2	Single
CDN54PT - CDP54PT	1	Single

### Light



Ref.	MOQ	Packing
EP048	134	Multiple
EP088	184	Multiple
EV111	85	Multiple
EV161	45	Multiple
EV171 - EX171 - EL171	26	Multiple
EVT171 - EXT171 - ELT171		
EV231 - EVT231	16	Multiple
EX231 - EL231 - EXT231 - ELT231	18	Multiple
EV322 - EX322 - EL322	6	Multiple
EVT322 - EXT322 - ELT322		
EX088	208	Multiple
EX111	88	Multiple
EX161	48	Multiple
EL111	88	Multiple
EL161	48	Multiple
GSV171 - GSX171 - GSL171	12	Multiple
GSVT171 - GSXT171 - GSLT171		
GSV231 - GSX231 - GSL231	3	Multiple
GSVT231 - GSXT231 - GSLT231		
GSV322 - GSX322 - GSL322	2	Multiple
GSVT322 - GSXT322 - GSLT322		

### Combi



Ref.	MOQ	Packing
BT2	36	Multiple
BT4	24	Multiple
BV4PO - BV4PT	12	Single
BV8PO - BV8PT	10	Single
BV12PO - BV12PT	7	Single
BV24PO - BV24PT	6	Single
BV36PO - BV36PT	4	Single

### Oro



Ref.	MOQ	Packing
BM4PO - BM4PT	12	Single
BM8PO - BM8PT	10	Single
BM12PO - BM12PT	7	Single
BM24PO - BM24PT	6	Single
BM36PO - BM36PT	4	Single

### Diamant



Ref.	MOQ	Packing
DFF36PO/RR - DFF36PO/PH/RR	5	Single
DFF42PO/RR - DFF42PO/PH/RR	3	Single
DFF54PO/RR - DFF54PO/PH/RR	3	Single
DFF84PO/PH/RR	1	Single

### Silver



Ref.	MOQ	Packing
SIL14PO - SIL14PO/PH	1	Single
SIL28PO - SIL28PO/PH	1	Single
SIL42PO - SIL42PO/PH	1	Single
SIL56PO - SIL56PO/PH	1	Single
SIL70PO - SIL70PO/PH	1	Single

### Habitat



Ref.	MOQ	Packing
PH14B0/RR - EM14B0/RR	5	Single
PH28B0/RR - EM28B0/RR	4	Single
PH42B0/RR - EM42B0/RR	4	Single

# PACKING UNITS

Plastic enclosures

## Domos-K



Ref.	MOQ	Packing
D70/1K	110	Multiple
D70/2K	60	Multiple
D70/3K	40	Multiple
D70/4K	28	Multiple
D70/5K	16	Multiple
CT115/K	60	Multiple
CT155/K	27	Multiple
CT217/K	12	Multiple

## Domos



Ref.	MOQ	Packing
D88	640	Multiple
D70	100	Multiple
D100	36	Multiple
D110 - CT110	120	Multiple
D114	70	Multiple
D210 - CT210	38	Multiple
CT114	70	Multiple
CT220	18	Multiple
CT225	14	Multiple
CT326	9	Multiple
CT338	2	Multiple
CT536	7	Multiple
CT536/PH	6	Multiple

## Verdi



Ref.	MOQ	Packing
45001	40	Multiple
45002	40	Multiple
45003	36	Multiple
45004	20	Multiple
45011	50	Multiple
45012	50	Multiple
45013	40	Multiple
45014	20	Multiple
45016	18	Multiple
45018	1	Multiple

## American



Ref.	MOQ	Packing
45080	269	Multiple
45081	129	Multiple
45082	540	Multiple
45083	310	Multiple

# PACKING UNITS

## Industrial plugs and sockets

### SCHUKO-TYPE

#### IP44 Schuko-type sockets



Ref.	Description	MOQ
00101	IP44 2P+E 250V 16A GREY	36
00102	IP44 2P+E 250V 16A BLUE	36
00103	IP44 2P+E 250V 16A GREY	18
00104	IP44 2P+E 250V 16A BLUE	18

#### IP54 Schuko-type sockets



Ref.	Description	MOQ
00456	IP54 2P+E 250V 16A RED	24
00452	IP54 2P+E 16A 250V SCREW TERMINAL BLUE	24
00402	IP54 2P+E 16A 250V SCREWLESS TERMINAL BLUE	24
00464	IP54 2P+E 16A 250V SCREW TERMINAL BLUE - FRENCH	24
00414	IP54 2P+E 16A 250V SCREWLESS TERMINAL BLUE - FRENCH	24

#### IP67-IP68 Schuko-type sockets and plugs



Ref.	Description	MOQ
00105	IP67 2P+E 220/230V 16A BLUE	18
00164	IP67 2P+E 220/230V 16A BLUE - FRENCH	18
00135	IP67 2P+E 220/230V 16A BLUE	5
00118	IP68 2P+E 220/230V 16A BLUE	1
00114	IP67 2P+E 220/230V 16A BLUE	10

#### Rubber sockets and plugs



Ref.	Description	MOQ
00115	IP54 WANDER PLUG 2P+E 250V 16A	30
00125	IP20 WANDER SOCKET 2P+E 250V 16A	20
00125/F	IP20 WANDER SOCKET 2P+E 250V 16A PIN CONTACT	20
00130	IP44 MULTIPLE SOCKET 3x 2P+E 250V 16A	5

#### IP44 Combo sockets and plugs



Ref.	Description	MOQ
00211	IP44 SOCKET 2P+E 220V 16A 6H	5
00312	IP44 SOCKET 3P+E 380V 16A 6H	5
00313	IP44 SOCKET 3P+N+E 380V 16A 6H	5
00214	IP44 SOCKET 2P+E 220V 32A 6H	5
00315	IP44 SOCKET 3P+E 380V 32A 6H	5
00316	IP44 SOCKET 3P+N+E 380V 32A 6H	5
00121	IP44 SOCKET 2P+E 230/230V 16A 6H	10
00123	IP44 PLUG 3P+N+E 400/230V 16A 6H	10

#### IP44 Multiple socket



Ref.	Description	MOQ
00140	IP44 2P+E 230V 16A - 1 PLUG 3 SOCKETS	1

#### Data socket



Ref.	Description	MOQ
00145	Network socket housing	10
00146	Network socket connector	10

# PACKING UNITS

Industrial plugs and sockets

## IP44 LOW VOLTAGE

### IP44 Straight flush-fit sockets



Ref.	Description	MOQ
01311	IP44 2P+E 110V 16A 4H	10
02311	IP44 2P+E 220V 16A 6H	10
03311	IP44 2P+E 380V 16A 9H	10
01312	IP44 3P+E 110V 16A 4H	10
03312	IP44 3P+E 380V 16A 6H	10
05312	IP44 3P+E 500V 16A 7H	10
02312	IP44 3P+E 220V 16A 9H	10
01313	IP44 3P+N+E 110V 16A 4H	10
03313	IP44 3P+N+E 380V 16A 6H	10
05313	IP44 3P+N+E 500V 16A 7H	10
02313	IP44 3P+N+E 220V 16A 9H	10
01314	IP44 2P+E 110V 32A 4H	10
02314	IP44 2P+E 220V 32A 6H	10
03314	IP44 2P+E 380V 32A 9H	10
01315	IP44 3P+E 110V 32A 4H	10
03315	IP44 3P+E 380V 32A 6H	10
05315	IP44 3P+E 500V 32A 7H	10
02315	IP44 3P+E 220V 32A 9H	10
01316	IP44 3P+N+E 110V 32A 4H	10
03316	IP44 3P+N+E 380V 32A 6H	10
05316	IP44 3P+N+E 500V 32A 7H	10
02316	IP44 3P+N+E 220V 32A 9H	10

### IP44 Sloping flush-fit sockets



Ref.	Description	MOQ
07301	IP44 2P+E 300HZ 16A 2H	10
01301	IP44 2P+E 110V 16A 4H	10
02301	IP44 2P+E 220V 16A 6H	10
05301	IP44 2P+E 500V 16A 7H	10
03301	IP44 2P+E 380V 16A 9H	10
07302	IP44 3P+E 300HZ 16A 2H	10
01302	IP44 3P+E 110V 16A 4H	10
03302	IP44 3P+E 380V 16A 6H	10
05302	IP44 3P+E 500V 16A 7H	10
02302	IP44 3P+E 220V 16A 9H	10
07382	IP44 3P+E 16A 10H	10
07303	IP44 3P+N+E 300 HZ 16A 2H	10
01303	IP44 3P+N+E 110V 16A 4H	10
03303	IP44 3P+N+E 380V 16A 6H	10
05303	IP44 3P+N+E 500V 16A 7H	10
02303	IP44 3P+N+E 220V 16A 9H	10
07304	IP44 2P+E 300HZ 32A 2H	8
01304	IP44 2P+E 110V 32A 4H	8
02304	IP44 2P+E 220V 32A 6H	8
05304	IP44 2P+E 500V 32A 7H	8
03304	IP44 2P+E 380V 32A 9H	8
07305	IP44 3P+E 300HZ 32A 2H	8
01305	IP44 3P+E 110V 32A 4H	8
03305	IP44 3P+E 380V 32A 6H	8
05305	IP44 3P+E 500V 32A 7H	8
02305	IP44 3P+E 220V 32A 9H	8
07385	IP44 3P+E >50V 32A 10H	8
07306	IP44 3P+N+E 300HZ 32A 2H	8
01306	IP44 3P+N+E 110V 32A 4H	8
03306	IP44 3P+N+E 380V 32A 6H	8
05306	IP44 3P+N+E 500V 32A 7H	8
02306	IP44 3P+N+E 220V 32A 9H	8

# PACKING UNITS

## Industrial plugs and sockets

### IP44 Wall sockets



Ref.	Description	MOQ
<b>07321</b>	IP44 2P+E 300HZ 16A 2H	10
<b>01321</b>	IP44 2P+E 110V 16A 4H	10
<b>02321</b>	IP44 2P+E 220V 16A 6H	10
<b>05321</b>	IP44 2P+E 480V 16A 7H	10
<b>03321</b>	IP44 2P+E 380V 16A 9H	10
<b>07322</b>	IP44 3P+E 300HZ 16A 2H	10
<b>01322</b>	IP44 3P+E 110V 16A 4H	10
<b>03322</b>	IP44 3P+E 380V 16A 6H	10
<b>05322</b>	IP44 3P+E 500V 16A 7H	10
<b>02322</b>	IP44 3P+E 220V 16A 9H	10
<b>07352</b>	IP44 3P+E 100HZ 16A 10H	10
<b>07323</b>	IP44 3P+N+E 300HZ 16A 2H	10
<b>01323</b>	IP44 3P+N+E 110V 16A 4H	10
<b>03323</b>	IP44 3P+N+E 380V 16A 6H	10
<b>05323</b>	IP44 3P+N+E 500V 16A 7H	10
<b>02323</b>	IP44 3P+N+E 220V 16A 9H	10
<b>07324</b>	IP44 2P+E 300HZ 32A 2H	10
<b>01324</b>	IP44 2P+E 110V 32A 4H	10
<b>02324</b>	IP44 2P+E 220V 32A 6H	10
<b>05324</b>	IP44 2P+E 480V 32A 7H	10
<b>03324</b>	IP44 2P+E 380V 32A 9H	10
<b>07325</b>	IP44 3P+E 300HZ 32A 2H	10
<b>01325</b>	IP44 3P+E 110V 32A 4H	10
<b>03325</b>	IP44 3P+E 380V 32A 6H	10
<b>05325</b>	IP44 3P+E 500V 32A 7H	10
<b>02325</b>	IP44 3P+E 220V 32A 9H	10
<b>07395</b>	IP44 3P+E 100HZ 32A 10H	10
<b>07326</b>	IP44 3P+N+E 300HZ 32A 2H	10
<b>01326</b>	IP44 3P+N+E 110V 32A 4H	10
<b>03326</b>	IP44 3P+N+E 380V 32A 6H	10
<b>05326</b>	IP44 3P+N+E 500V 32A 7H	10
<b>02326</b>	IP44 3P+N+E 220V 32A 9H	10

### IP44 Wander sockets



Ref.	Description	MOQ
<b>07201</b>	IP44 2P+E 300HZ 16A 2H	12
<b>01201</b>	IP44 2P+E 110V 16A 4H	12
<b>02201</b>	IP44 2P+E 220V 16A 6H	12
<b>05201</b>	IP44 2P+E 500V 16A 7H	12
<b>03201</b>	IP44 2P+E 380V 16A 9H	12
<b>07202</b>	IP44 3P+E 300HZ 16A 2H	10
<b>01202</b>	IP44 3P+E 110V 16A 4H	10
<b>03202</b>	IP44 3P+E 380V 16A 6H	10
<b>05202</b>	IP44 3P+E 500V 16A 7H	10
<b>02202</b>	IP44 3P+E 220V 16A 9H	10
<b>07282</b>	IP44 3P+E 100HZ 16A 10H	10
<b>07203</b>	IP44 3P+N+E 300HZ 16A 2H	10
<b>01203</b>	IP44 3P+N+E 110V 16A 4H	10
<b>03203</b>	IP44 3P+N+E 380V 16A 6H	10
<b>05203</b>	IP44 3P+N+E 500V 16A 7H	10
<b>02203</b>	IP44 3P+N+E 220V 16A 9H	10
<b>07204</b>	IP44 2P+E 300HZ 32A 2H	8
<b>01204</b>	IP44 2P+E 110V 32A 4H	8
<b>02204</b>	IP44 2P+E 220V 32A 6H	8
<b>05204</b>	IP44 2P+E 500V 32A 7H	8
<b>03204</b>	IP44 2P+E 380V 32A 9H	8
<b>07205</b>	IP44 3P+E 300HZ 32A 2H	8
<b>01205</b>	IP44 3P+E 110V 32A 4H	8
<b>03205</b>	IP44 3P+E 380V 32A 6H	8
<b>05205</b>	IP44 3P+E 500V 32A 7H	8
<b>02205</b>	IP44 3P+E 220V 32A 9H	8
<b>07285</b>	IP44 3P+E 100HZ 32A 10H	8
<b>07206</b>	IP44 3P+N+E 300HZ 32A 2H	8
<b>01206</b>	IP44 3P+N+E 110V 32A 4H	8
<b>03206</b>	IP44 3P+N+E 380V 32A 6H	8
<b>05206</b>	IP44 3P+N+E 500V 32A 7H	8
<b>02206</b>	IP44 3P+N+E 220V 32A 9H	8

# PACKING UNITS

Industrial plugs and sockets

## IP44 Straight flush-fit plugs



Ref.	Description	MOQ
01111	IP44 2P+E 110V 16A 4H	10
02111	IP44 2P+E 220V 16A 6H	10
03111	IP44 2P+E 380V 16A 9H	10
01112	IP44 3P+E 110V 16A 4H	10
03112	IP44 3P+E 380V 16A 6H	10
05112	IP44 3P+E 500V 16A 7H	10
02112	IP44 3P+E 220V 16A 9H	10
01113	IP44 3P+N+E 110V 16A 4H	10
03113	IP44 3P+N+E 380V 16A 6H	10
05113	IP44 3P+N+E 500V 16A 7H	10
02113	IP44 3P+N+E 220V 16A 9H	10
01114	IP44 2P+E 110V 32A 4H	10
02114	IP44 2P+E 220V 32A 6H	10
03114	IP44 2P+E 380V 32A 9H	10
01115	IP44 3P+E 110V 32A 4H	10
03115	IP44 3P+E 380V 32A 6H	10
05115	IP44 3P+E 500V 32A 7H	10
02115	IP44 3P+E 220V 32A 9H	10
01116	IP44 3P+N+E 110V 32A 4H	10
03116	IP44 3P+N+E 380V 32A 6H	10
05116	IP44 3P+N+E 500V 32A 7H	10
02116	IP44 3P+N+E 220V 32A 9H	10

## IP44 Wall plugs



Ref.	Description	MOQ
01121	IP44 2P+E 110V 16A 4H	10
02121	IP44 2P+E 220V 16A 6H	10
03121	IP44 2P+E 380V 16A 9H	10
01122	IP44 3P+E 110V 16A 4H	10
03122	IP44 3P+E 380V 16A 6H	10
05122	IP44 3P+E 500V 16A 7H	10
02122	IP44 3P+E 220V 16A 9H	10
01123	IP44 3P+N+E 110V 16A 4H	10
03123	IP44 3P+N+E 380V 16A 6H	10
05123	IP44 3P+N+E 500V 16A 7H	10
02123	IP44 3P+N+E 220V 16A 9H	10
01124	IP44 2P+E 110V 32A 4H	10
02124	IP44 2P+E 220V 32A 6H	10
03124	IP44 2P+E 380V 32A 9H	10
01125	IP44 3P+E 110V 32A 4H	10
03125	IP44 3P+E 380V 32A 6H	10
05125	IP44 3P+E 500V 32A 7H	10
02125	IP44 3P+E 220V 32A 9H	10
01126	IP44 3P+N+E 110V 32A 4H	10
03126	IP44 3P+N+E 380V 32A 6H	10
05126	IP44 3P+N+E 500V 32A 7H	10
02126	IP44 3P+N+E 220V 32A 9H	10

## IP44 Wander plugs



Ref.	Description	MOQ
07101	IP44 2P+E 300HZ 16A 2H	12
01101	IP44 2P+E 110V 16A 4H	12
02101	IP44 2P+E 220V 16A 6H	12
05101	IP44 2P+E 500V 16A 7H	12
03101	IP44 2P+E 380V 16A 9H	12
07102	IP44 3P+E 300HZ 16A 2H	10
01102	IP44 3P+E 110V 16A 4H	10
03102	IP44 3P+E 380V 16A 6H	10
05102	IP44 3P+E 500V 16A 7H	10
02102	IP44 3P+E 220V 16A 9H	10
07182	IP44 3P+E 100HZ 16A 10H	10
07103	IP44 3P+N+E 300HZ 16A 2H	10
01103	IP44 3P+N+E 110V 16A 4H	10
03103	IP44 3P+N+E 380V 16A 6H	10
05103	IP44 3P+N+E 500V 16A 7H	10
02103	IP44 3P+N+E 220V 16A 9H	10
07104	IP44 2P+E 300HZ 32A 2H	8
01104	IP44 2P+E 110V 32A 4H	8
02104	IP44 2P+E 220V 32A 6H	8
05104	IP44 2P+E 500V 32A 7H	8
03104	IP44 2P+E 380V 32A 9H	8
07105	IP44 3P+E 300 HZ 32A 2H	8
01105	IP44 3P+E 110V 32A 4H	8
03105	IP44 3P+E 380V 32A 6H	8
05105	IP44 3P+E 500V 32A 7H	8
02105	IP44 3P+E 220V 32A 9H	8
07185	IP44 3P+E 100HZ 32A 10H	12
07106	IP44 3P+N+E 300HZ 32A 10H	10
01106	IP44 3P+N+E 110V 32A 4H	8
03106	IP44 3P+N+E 380V 32A 6H	8
05106	IP44 3P+N+E 500V 32A 7H	8
02106	IP44 3P+N+E 220V 32A 9H	8

## IP44-IP67 Phase inverter connectors



Ref.	Description	MOQ
08509	IP44 3P+E 200-250V 16A 9H	1
08501	IP44 3P+E 380-415V 16A 6H	1
08502	IP44 3P+N+E 200-415V 16A 6H	1
08511	IP44 3P+E 200-250V 32A 9H	1
08503	IP44 3P+E 380-415V 32A 6H	1
08504	IP44 3P+N+E 200-415V 32A 6H	1
08510	IP67 3P+E 200-250V 16A 9H	1
08505	IP67 3P+E 380-415V 16A 6H	1
08506	IP67 3P+N+E 200-415V 16A 6H	1
08512	IP67 3P+E 200-250V 32A 9H	1
08507	IP67 3P+E 380-415V 32A 6H	1
08508	IP67 3P+N+E 200-415V 32A 6H	1



# PACKING UNITS

## Industrial plugs and sockets

### IP67 LOW VOLTAGE

#### IP67 Sloping flush-fit sockets



Ref.	Description	MOQ
07801	IP67 2P+E 300HZ 16A 2H	8
01801	IP67 2P+E 110V 16A 4H	8
02801	IP67 2P+E 220V 16A 6H	8
05801	IP67 2P+E 480V 16A 7H	8
03801	IP67 2P+E 380V 16A 9H	8
07802	IP67 3P+E 300HZ 16A 2H	8
01802	IP67 3P+E 100V 16A 4H	8
03802	IP67 3P+E 380V 16A 6H	8
05802	IP67 3P+E 500V 16A 7H	8
02802	IP67 3P+E 220V 16A 9H	8
07882	IP67 3P+E 100HZ 16A 10H	8
07803	IP67 3P+N+E 300HZ 16A 2H	8
01803	IP67 3P+N+E 57V 16A 4H	8
03803	IP67 3P+N+E 380V 16A 6H	8
05803	IP67 3P+N+E 277V 16A 7H	8
02803	IP67 3P+N+E 120V 16A 9H	8
07804	IP67 2P+E 300HZ 32A 2H	6
01804	IP67 2P+E 110V 32A 4H	6
02804	IP67 2P+E 220V 32A 6H	6
05804	IP67 2P+E 480V 32A 7H	6
03804	IP67 2P+E 380V 32A 9H	6
07805	IP67 3P+E 300HZ 32A 2H	6
07815	IP67 3P+E 440V 32A 3H	6
01805	IP67 3P+E 100V 32A 4H	6
03805	IP67 3P+E 380V 32A 6H	6
05805	IP67 3P+E 500V 32A 7H	6
02805	IP67 3P+E 220V 32A 9H	6
07885	IP67 3P+E 100HZ 32A 10H	6
07806	IP67 3P+N+E 300HZ 32A 2H	6
01806	IP67 3P+N+E 57V 32A 4H	6
03806	IP67 3P+N+E 380V 32A 6H	6
05806	IP67 3P+N+E 277V 32A 7H	6
02806	IP67 3P+N+E 32A 9H	6
01851	IP67 2P+E 110V 63A 4H	2
02851	IP67 2P+E 220V 63A 6H	2
02851P	IP67 2P+E 220V 63A 6H Pilot Contact	2
03852	IP67 3P+E 380V 63A 6H	2
03852P	IP67 3P+E 380V 63A 6H Pilot Contact	2
05852	IP67 3P+E 500V 63A 7H	2
02852	IP67 3P+E 220V 63A 9H	2
03853	IP67 3P+N+E 380V 63A 6H	2
03853P	IP67 3P+N+E 280V 63A 6H Pilot Contact	2
01854	IP67 2P+E 110V 125A 4H	2
02854	IP67 2P+E 220V 125A 6H	2
02854P	IP67 2P+E 220V 125A 6H Pilot Contact	2
03855	IP67 3P+E 380V 125A 6H	1
03855P	IP67 3P+E 380V 125A 6H Pilot Contact	2
05855	IP67 3P+E 500V 125A 7H	2
02855	IP67 3P+E 220V 125A 9H	2
03856	IP67 3P+N+E 380V 125A 6H	2
03856P	IP67 3P+N+E 380V 125A 6H Pilot Contact	1

#### IP67 Wall sockets



Ref.	Description	MOQ
07821	IP67 2P+E 300HZ 16A 2H	5
01821	IP67 2P+E 110V 16A 4H	5
02821	IP67 2P+E 220V 16A 6H	5
05821	IP67 2P+E 480V 16A 7H	5
03821	IP67 2P+E 380V 16A 9H	5
07822	IP67 3P+E 300HZ 16A 2H	5
01822	IP67 3P+E 100V 16A 4H	5
03822	IP67 3P+E 380V 16A 6H	5
05822	IP67 3P+E 500V 16A 7H	5
02822	IP67 3P+E 220V 16A 9H	5
07892	IP67 3P+E 100HZ 16A 10H	5
07823	IP67 3P+N+E 300HZ 16A 2H	5
01823	IP67 3P+N+E 57V 16A 4H	5
03823	IP67 3P+N+E 380V 16A 6H	5
05823	IP67 3P+N+E 277V 16A 7H	5
02823	IP67 3P+N+E 120V 16A 9H	5
07824	IP67 2P+E 300HZ 32A 2H	5
01824	IP67 2P+E 110V 32A 4H	5
02824	IP67 2P+E 220V 32A 6H	5
05824	IP67 2P+E 480V 32A 7H	5
03824	IP67 2P+E 380V 32A 9H	5
07825	IP67 3P+N+E 300HZ 32A 2H	5
07835	IP67 3P+E 60HZ 32A 3H	6
01825	IP67 3P+E 100V 32A 4H	5
03825	IP67 3P+E 380V 32A 6H	5
05825	IP67 3P+E 500V 32A 7H	5
02825	IP67 3P+E 220V 32A 9H	5
07895	IP67 3P+E 100HZ 32A 10H	5
07826	IP67 3P+N+E 300HZ 32A 2H	5
01826	IP67 3P+N+E 57V 32A 4H	5
03826	IP67 3P+N+E 380V 32A 6H	5
05826	IP67 3P+N+E 277V 32A 7H	5
02826	IP67 3P+N+E 120V 32A 9H	5
01871	IP67 2P+E 110V 63A 4H	2
02871	IP67 2P+E 220V 63A 6H	2
02871P	IP67 2P+E 220V 63A 6H Pilot Contact	2
03872	IP67 3P+E 380V 63A 6H	2
03872P	IP67 3P+E 380V 63A 6H Pilot Contact	1
05872	IP67 3P+E 500V 63A 7H	2
02872	IP67 3P+E 220V 63A 9H	2
03873	IP67 3P+N+E 380V 63A 6H	2
03873P	IP67 3P+N+E 380V 63A 6H Pilot Contact	1
01874	IP67 2P+E 110V 125A 4H	2
02874	IP67 2P+E 220V 125A 6H	2
02874P	IP67 2P+E 220V 125A Pilot Contact	2
03875	IP67 3P+E 380V 125A 6H	1
03875P	IP67 3P+E 380V 125A 6H Pilot Contact	1
05875	IP67 3P+E 500V 125A 7H	1
02875	IP67 3P+E 220V 125A 9H	1
03876	IP67 3P+N+E 380V 125A 6H	1
03876P	IP67 3P+N+E 380V 125A 6H Pilot Contact	2

# PACKING UNITS

Industrial plugs and sockets

## IP67 Wander sockets



Ref.	Description	MOQ
<b>07701</b>	IP67 2P+E 300HZ 16A 2H	6
<b>01701</b>	IP67 2P+E 110V 16A 4H	6
<b>02701</b>	IP67 2P+E 220V 16A 6H	6
<b>05701</b>	IP67 2P+E 480V 16A 7H	6
<b>03701</b>	IP67 2P+E 380V 16A 9H	6
<b>07702</b>	IP67 3P+E 300HZ 16A 2H	6
<b>01702</b>	IP67 3P+E 100V 16A 4H	6
<b>03702</b>	IP67 3P+E 380V 16A 6H	6
<b>05702</b>	IP67 3P+E 500V 16A 7H	6
<b>02702</b>	IP67 3P+E 220V 16A 9H	6
<b>07782</b>	IP67 3P+E 100HZ 16A 10H	6
<b>07703</b>	IP67 3P+N+E 300HZ 16A 2H	6
<b>01703</b>	IP67 3P+N+E 57V 16A 4H	6
<b>03703</b>	IP67 3P+N+E 380V 16A 6H	6
<b>05703</b>	IP67 3P+N+E 277V 16A 7H	6
<b>02703</b>	IP67 3P+N+E 16A 9H	6
<b>07704</b>	IP67 2P+E 300HZ 32A 2H	5
<b>01704</b>	IP67 2P+E 110V 32A 4H	5
<b>02704</b>	IP67 2P+E 220V 32A 6H	5
<b>05704</b>	IP67 2P+E 32A 7H.	5
<b>03704</b>	IP67 2P+E 380V 32A 9H	5
<b>07705</b>	IP67 3P+E 300HZ 32A 2H	5
<b>07715</b>	IP67 3P+E 440V 3H	5
<b>01705</b>	IP67 3P+E 100V 32A 4H	5
<b>03705</b>	IP67 3P+E 380V 32A 6H	5
<b>05705</b>	IP67 3P+E 500V 32A 7H	5
<b>02705</b>	IP67 3P+E 220V 32A 9H	5
<b>07785</b>	IP67 3P+E 100HZ 32A 10H	5
<b>07706</b>	IP67 3P+N+E 300HZ 32A 2H	5
<b>01706</b>	IP67 3P+N+E 57V 32A 4H	5
<b>03706</b>	IP67 3P+N+E 380V 32A 6H	5
<b>05706</b>	IP67 3P+N+E 277V 32A 7H	5
<b>02706</b>	IP67 3P+N+E 120V 32A 9H	5
<b>01751</b>	IP67 2P+E 110V 63A 4H	2
<b>02751</b>	IP67 2P+E 220V 63A 6H	2
<b>02751P</b>	IP67 2P+E 220V 63A 6H Pilot Contact	2
<b>03752</b>	IP67 3P+E 380V 63A 6H	2
<b>03752P</b>	IP67 3P+E 380V 63A 6H Pilot Contact	2
<b>05752</b>	IP67 3P+E 500V 63A 7H	2
<b>02752</b>	IP67 3P+E 220V 63A 9H	2
<b>03753</b>	IP67 3P+N+E 380V 63A 6H	2
<b>03753P</b>	IP67 3P+N+E 380V 63A 6H Pilot Contact	1
<b>01754</b>	IP67 2P+E 110V 125A 4H	2
<b>02754</b>	IP67 2P+E 220V 125A 6H	2
<b>02754P</b>	IP67 2P+E 220V 125A 6H Pilot Contact	2
<b>03755</b>	IP67 3P+E 380V 125A 6H	2
<b>03755P</b>	IP67 3P+E 380V 125A 6H Pilot Contact	2
<b>05755</b>	IP67 3P+E 500V 125A 7H	2
<b>02755</b>	IP67 3P+E 220V 125A 9H	1
<b>03756</b>	IP67 3P+N+E 380V 125A 6H	2
<b>03756P</b>	IP67 3P+N+E 380V 125A 6H Pilot Contact	1

## IP67 Flush-fit plugs



Ref.	Description	MOQ
<b>01611</b>	IP67 Angled 2P+E 110V 16A 4H	10
<b>02611</b>	IP67 Angled 2P+E 220V 16A 6H	10
<b>03612</b>	IP67 Angled 3P+E 380V 16A 6H	10
<b>05612</b>	IP67 Angled 3P+E 500V 16A 7H	10
<b>02612</b>	IP67 Angled 3P+E 220V 16A 9H	10
<b>03613</b>	IP67 Angled 3P+N+E 380V 16A 6H	10
<b>01614</b>	IP67 Angled 2P+E 110V 32A 4H	10
<b>02614</b>	IP67 Angled 2P+E 220V 32A 6H	10
<b>03615</b>	IP67 Angled 3P+E 380V 32A 6H	10
<b>05615</b>	IP67 Angled 3P+E 500V 32A 7H	5
<b>02615</b>	IP67 Angled 3P+E 220V 32A 9H	10
<b>03616</b>	IP67 Angled 3P+N+E 380V 32A 6H	5
<b>01661</b>	IP67 Sloping 2P+E 110V 63A 4H	2
<b>02661</b>	IP67 Sloping 2P+E 220V 63A 6H	2
<b>03662</b>	IP67 Sloping 3P+E 380V 63A 6H	2
<b>05662</b>	IP67 Sloping 3P+E 500V 63A 7H	2
<b>02662</b>	IP67 Sloping 3P+E 220V 63A 9H	2
<b>03663</b>	IP67 Sloping 3P+N+E 380V 63A 6H	2
<b>01664</b>	IP67 Sloping 2P+E 110V 125A 4H	2
<b>02664</b>	IP67 Sloping 2P+E 220V 125A 6H	2
<b>03665</b>	IP67 Sloping 3P+E 380V 125A 6H	2
<b>05665</b>	IP67 Sloping 3P+E 500V 125A 7H	2
<b>02665</b>	IP67 Sloping 3P+E 220V 125A 9H	2
<b>03666</b>	IP67 Sloping 3P+N+E 380V 125A 6H	2

## IP67 Wall plugs



Ref.	Description	MOQ
<b>01621</b>	IP67 2P+E 110V 16A 4H	10
<b>02621</b>	IP67 2P+E 220V 16A 6H	10
<b>03622</b>	IP67 3P+E 380V 16A 6H	1
<b>05622</b>	IP67 3P+E 500V 16A 7H	5
<b>02622</b>	IP67 3P+E 220V 16A 9H	5
<b>03623</b>	IP67 3P+N+E 380V 16A 6H	5
<b>01624</b>	IP67 2P+E 110V 32A 4H	5
<b>02624</b>	IP67 2P+E 220V 32A 6H	1
<b>03625</b>	IP67 3P+E 380V 32A 6H	5
<b>05625</b>	IP67 3P+E 500V 32A 7H	5
<b>02625</b>	IP67 3P+E 220V 32A 9H	5
<b>03626</b>	IP67 3P+N+E 380V 32A 6H	10
<b>01671</b>	IP67 2P+E 110V 63A 4H	2
<b>02671</b>	IP67 2P+E 220V 63A 6H	1
<b>03672</b>	IP67 3P+E 380V 63A 6H	1
<b>05672</b>	IP67 3P+E 500V 63A 7H	2
<b>02672</b>	IP67 3P+E 220V 63A 9H	1
<b>03673</b>	IP67 3P+N+E 380V 63A 6H	2
<b>01674</b>	IP67 2P+E 110V 125A 4H	2
<b>02674</b>	IP67 2P+E 220V 125A 6H	2
<b>03675</b>	IP67 3P+E 380V 125A 6H	1
<b>05675</b>	IP67 3P+E 500V 125A 7H	2
<b>02675</b>	IP67 3P+E 220V 125A 9H	2
<b>03676</b>	IP67 3P+N+E 380V 125A 6H	2

# PACKING UNITS

## Industrial plugs and sockets

### IP67 Wander plugs



Ref.	Description	MOQ
07601	IP67 2P+E 300HZ 16A 2H	6
01601	IP67 2P+E 110V 16A 4H	6
02601	IP67 2P+E 220V 16A 6H	6
05601	IP67 2P+E 400V 16A 7H	6
03601	IP67 2P+E 380V 16A 9H	6
07602	IP67 3P+E 300HZ 16A 2H	6
01602	IP67 3P+E 100V 16A 4H	6
03602	IP67 3P+E 380V 16A 6H	6
05602	IP67 3P+E 500V 16A 7H	6
02602	IP67 3P+E 220V 16A 9H	6
07682	IP67 3P+E 100HZ 16A 10H	6
07603	IP67 3P+N+E 300HZ 16A 2H	6
01603	IP67 3P+N+E 57V 16A 4H	6
03603	IP67 3P+N+E 380V 16A 6H	6
05603	IP67 3P+N+E 277V 16A 7H	6
02603	IP67 3P+N+E 16A 9H	6
07604	IP67 2P+E 300HZ 32A 2H	5
01604	IP67 2P+E 110V 32A 4H	5
02604	IP67 2P+E 220V 32A 6H	5
05604	IP67 2P+E 220V 32A 7H	5
03604	IP67 2P+E 380V 32A 9H	5
07605	IP67 3P+E 300HZ 32A 2H	5
07615	IP67 3P+E 440V 32A 3H	5
01605	IP67 3P+E 100V 32A 4H	5
03605	IP67 3P+E 380V 32A 6H	5
05605	IP67 3P+E 500V 32A 7H	5
02605	IP67 3P+E 220V 32A 9H	5
07685	IP67 3P+N+E 300HZ 32A 2H	5
07606	IP67 3P+N+E 57V 32A 4H	5
01606	IP67 3P+N+E 380V 32A	5
03606	IP67 3P+N+E 380V 32A 6H	5
05606	IP67 3P+N+E 32A 9H	5
02606	IP67 3P+N+E 32A 9H	5
01651	IP67 2P+E 110V 63A 4H	2
02651	IP67 2P+E 220V 63A 6H	2
03652	IP67 3P+E 380V 63A 6H	2
05652	IP67 3P+E 500V 63A 7H	2
02652	IP67 3P+E 220V 63A 9H	2
03653	IP67 3P+N+E 380V 63A 6H	2
01654	IP67 2P+E 110V 125A 4H	2
02654	IP67 2P+E 220V 125A 6H	2
03655	IP67 3P+E 380V 125A 6H	2
05655	IP67 3P+E 500V 125A 7H	2
02655	IP67 3P+E 220V 125A 9H	1
03656	IP67 3P+N+E 380V 125A 6H	2

# PACKING UNITS

Industrial plugs and sockets

## IP44-IP67 LOW VOLTAGE INTERLOCKING SOCKETS

### IP44 Flush-fit interlocking sockets



Ref.	Description	MOQ
01351	IP44 2P+E 110V 16A 4H	1
02351	IP44 2P+E 220V 16A 6H	1
03352	IP44 3P+E 380V 16A 6H	1
03353	IP44 3P+N+E 380V 16A 6H	1
01354	IP44 2P+E 110V 32A 4H	1
02354	IP44 2P+E 220V 32A 6H	1
03355	IP44 3P+E 380V 32A 6H	1
03356	IP44 3P+N+E 380V 32A 6H	1

### IP67 Wall interlocking sockets



Ref.	Description	MOQ
01831	IP67 2P+E 110V 16A 4H	1
02831	IP67 2P+E 220V 16A 6H	1
03832	IP67 3P+E 380V 16A 6H	1
03833	IP67 3P+N+E 380V 16A 6H	1
01834	IP67 2P+E 110V 32A 4H	1
02834	IP67 2P+E 220V 32A 6H	1
03835	IP67 3P+E 380V 32A 6H	1
03836	IP67 3P+N+E 380V 32A 6H	1
03839	IP67 3P+E 380V 63A 6H	1
03840	IP67 3P+N+E 240V 63A 6H	1

### IP44 Wall interlocking sockets



Ref.	Description	MOQ
01361	IP44 2P+E 110V 16A 4H	1
02361	IP44 2P+E 220V 16A 6H	1
03362	IP44 3P+E 380V 16A 6H	1
03363	IP44 3P+N+E 380V 16A 6H	1
01364	IP44 2P+E 110V 32A 4H	1
02364	IP44 2P+E 220V 32A 6H	1
03365	IP44 3P+E 380V 32A 6H	1
03366	IP44 3P+N+E 380V 32A 6H	1

### IP67 Wall sockets with DIN rail



Ref.	Description	MOQ
01841	IP67 2P+E 110V 16A 4H	1
02841	IP67 2P+E 220V 16A 6H	1
03842	IP67 3P+E 380V 16A 6H	1
03843	IP67 3P+N+E 382V 16A 6H	1
01844	IP67 2P+E 110V 32A 4H	1
02844	IP67 2P+E 220V 32A 6H	1
03845	IP67 3P+E 380V 32A 6H	1
03846	IP67 3P+N+E 380V 32A 6H	1
01881	IP67 2P+E 110V 63A 4H	1
02881	IP67 2P+E 220V 63A 6H	1
03882	IP67 3P+E 380V 63A 6H	1
03883	IP67 3P+N+E 380V 63A 6H	1

### IP67 Flush-fit interlocking sockets



Ref.	Description	MOQ
01811	IP67 2P+E 110V 16A 4H	1
02811	IP67 2P+E 220V 16A 6H	1
03812	IP67 3P+E 380V 16A 6H	1
03813	IP67 3P+N+E 380V 16A 6H	1
01814	IP67 2P+E 110V 32A 4H	1
02814	IP67 2P+E 220V 32A 6H	1
03815	IP67 3P+E 380V 32A 6H	1
03816	IP67 3P+N+E 380V 32A 6H	1

# PACKING UNITS

## Industrial plugs and sockets

### IP44 EXTRA LOW VOLTAGE

#### IP44 Wander sockets



Ref.	Description	MOQ
<b>08201</b>	IP44 2P 24V 16A NR	10
<b>09201</b>	IP44 2P 42V 16A 12H	10
<b>08449</b>	IP44 2P 24/42V 16A 4H	10
<b>08451</b>	IP44 2P 24/42V 16A 2H	10
<b>08453</b>	IP44 2P 24/42V 16A 3H	10
<b>08455</b>	IP44 2P 24/42V 16A 11H	10
<b>06201</b>	IP44 2P 24/42V 16A 10H	10
<b>08202</b>	IP44 3P 24V 16A NR	10
<b>09202</b>	IP44 3P 42V 16A 12H	10
<b>08450</b>	IP44 3P 24/42V 16A 4H	10
<b>08452</b>	IP44 3P 24/42V 16A 2H	10
<b>08454</b>	IP44 3P 24/42V 16A 3H	10
<b>08456</b>	IP44 3P 24/42V 16A 11H	10
<b>06202</b>	IP44 3P 24/42V 16A 10H	10
<b>08204</b>	IP44 2P 24V 32A NR	10
<b>09204</b>	IP44 2P 42V 32A 12H	10
<b>08457</b>	IP44 2P 24/42V 32A 4H	10
<b>08459</b>	IP44 2P 24/42V 32A 2H	10
<b>08461</b>	IP44 2P 24/42V 32A 3H	10
<b>08463</b>	IP44 2P 24/42V 32A 11H	10
<b>06204</b>	IP44 2P 24/42V 32A 10H	10
<b>08205</b>	IP44 3P 24V 32A NR	10
<b>09205</b>	IP44 3P 42V 32A 12H	10
<b>08458</b>	IP44 3P 24/42V 32A 4H	10
<b>08460</b>	IP44 3P 24/42V 32A 2H	10
<b>08462</b>	IP44 3P 24/42V 32A 3H	10
<b>08464</b>	IP44 3P 24/42V 32A 11H	10
<b>06205</b>	IP44 3P 24/42V 32A 10H	10

#### IP44 Straight flush-fit sockets



Ref.	Description	MOQ
<b>08311</b>	IP44 2P 24V 16A NR	10
<b>09311</b>	IP44 2P 42V 16A 12H	10
<b>08465</b>	IP44 2P 24/42V 16A 4H	10
<b>08467</b>	IP44 2P 24/42V 16A 2H	10
<b>08469</b>	IP44 2P 24/42V 16A 3H	10
<b>08471</b>	IP44 2P 24/42V 16A 11H	10
<b>06311</b>	IP44 2P 24/42V 16A 10H	10
<b>08312</b>	IP44 3P 24V 16A NR	10
<b>09312</b>	IP44 3P 42V 16A 12H	10
<b>08466</b>	IP44 3P 24/42V 16A 4H	10
<b>08468</b>	IP44 3P 24/42V 16A 2H	10
<b>08470</b>	IP44 3P 24/42V 16A 3H	10
<b>08472</b>	IP44 3P 24/42V 16A 11H	10
<b>06312</b>	IP44 3P 24/42V 16A 10H	10
<b>08314</b>	IP44 2P 24V 32A NR	10
<b>09314</b>	IP44 2P 42V 32A 12H	10
<b>08473</b>	IP44 2P 24/42V 32A 4H	10
<b>08475</b>	IP44 2P 24/42V 32A 2H	10
<b>08477</b>	IP44 2P 24/42V 32A 3H	10
<b>08479</b>	IP44 2P 24/42V 32A 11H	10
<b>06314</b>	IP44 2P 24/42V 32A 10H	10
<b>08315</b>	IP44 3P 24V 32A NR	10
<b>09315</b>	IP44 3P 42V 32A 12H	10
<b>08474</b>	IP44 3P 24/42V 32A 4H	10
<b>08476</b>	IP44 3P 24/42V 32A 2H	10
<b>08478</b>	IP44 3P 24/42V 32A 3H	10
<b>08480</b>	IP44 3P 24/42V 32A 11H	10
<b>06315</b>	IP44 3P 24/42V 32A 10H	10

# PACKING UNITS

Industrial plugs and sockets

## IP44 Wall sockets



Ref.	Description	MOQ
<b>08321</b>	IP44 2P 24V 16A NR	10
<b>09321</b>	IP44 2P 42V 16A 12H	10
<b>08481</b>	IP44 2P 24/42V 16A 4H	10
<b>08483</b>	IP44 2P 24/42V 16A 2H	10
<b>08485</b>	IP44 2P 24/42V 16A 3H	10
<b>08487</b>	IP44 2P 24/42V 16A 11H	10
<b>06321</b>	IP44 2P 24/42V 16A 10H	10
<b>08322</b>	IP44 3P 24V 16A NR	10
<b>09322</b>	IP44 3P 42V 16A 12H	10
<b>08482</b>	IP44 3P 24/42V 16A 4H	10
<b>08484</b>	IP44 3P 24/42V 16A 2H	10
<b>08486</b>	IP44 3P 24/42V 16A 3H	10
<b>08488</b>	IP44 3P 24/42V 16A 11H	10
<b>06322</b>	IP44 3P 24/42V 16A 10H	10
<b>08324</b>	IP44 2P 24V 32A NR	6
<b>09324</b>	IP44 2P 42V 32A 12H	6
<b>08489</b>	IP44 2P 24/42V 32A 4H	6
<b>08491</b>	IP44 2P 24/42V 32A 2H	6
<b>08493</b>	IP44 2P 24/42V 32A 3H	6
<b>08495</b>	IP44 2P 24/42V 32A 11H	6
<b>06324</b>	IP44 2P 24/42V 32A 10H	6
<b>08325</b>	IP44 3P 24V 32A NR	6
<b>09325</b>	IP44 3P 42V 32A 12H	6
<b>08490</b>	IP44 3P 24/42V 32A 4H	6
<b>08492</b>	IP44 3P 24/42V 32A 2H	6
<b>08494</b>	IP44 3P 24/42V 32A 3H	6
<b>08496</b>	IP44 3P 24/42V 32A 11H	6
<b>06325</b>	IP44 3P 24/42V 32A 10H	6

## IP44 Wander plugs



Ref.	Description	MOQ
<b>08101</b>	IP44 2P 24V 16A NR	10
<b>09101</b>	IP44 2P 42V 16A 12H	10
<b>08401</b>	IP44 2P 24/42V 16A 4H	10
<b>08403</b>	IP44 2P 24/42V 16A 2H	10
<b>08405</b>	IP44 2P 24/42V 16A 3H	10
<b>08407</b>	IP44 2P 24/42V 16A 11H	10
<b>06101</b>	IP44 2P 24/42V 16A 10H	10
<b>08102</b>	IP44 3P 24V 16A NR	10
<b>09102</b>	IP44 3P 42V 16A 12H	10
<b>08402</b>	IP44 3P 24/42V 16A 4H	10
<b>08404</b>	IP44 3P 24/42V 16A 2H	10
<b>08406</b>	IP44 3P 24/42V 16A 3H	10
<b>08408</b>	IP44 3P 24/42V 16A 11H	10
<b>06102</b>	IP44 3P 24/42V 16A 10H	10
<b>08104</b>	IP44 2P 24V 32A NR	10
<b>09104</b>	IP44 2P 42V 32A 12H	10
<b>08409</b>	IP44 2P 24/42V 32A 4H	10
<b>08411</b>	IP44 2P 24/42V 32A 2H	10
<b>08413</b>	IP44 2P 24/42V 32A 3H	10
<b>08415</b>	IP44 2P 24/42V 32A 11H	10
<b>06104</b>	IP44 2P 24/42V 32A 10H	10
<b>08105</b>	IP44 3P 24V 32A NR	10
<b>09105</b>	IP44 3P 42V 32A 12H	10
<b>08410</b>	IP44 3P 24/42V 32A 4H	10
<b>08412</b>	IP44 3P 24/42V 32A 2H	10
<b>08414</b>	IP44 3P 24/42V 32A 3H	10
<b>08416</b>	IP44 3P 24/42V 32A 11H	10
<b>06105</b>	IP44 3P 24/42V 32A 10H	10

# PACKING UNITS

## Industrial plugs and sockets

### IP44 Straight flush-fit plugs



Ref.	Description	MOQ
08111	IP44 2P 24V 16A NR	10
09111	IP44 2P 42V 16A 12H	10
08417	IP44 2P 24/42V 16A 4H	10
08419	IP44 2P 24/42V 16A 2H	10
08421	IP44 2P 24/42V 16A 3H	10
08423	IP44 2P 24/42V 16A 11H	10
06111	IP44 2P 24/42V 16A 10H	10
08112	IP44 3P 24V 16A NR	10
09112	IP44 3P 42V 16A 12H	10
08418	IP44 3P 24/42V 16A 4H	10
08420	IP44 3P 24/42V 16A 2H	10
08422	IP44 3P 24/42V 16A 3H	10
08424	IP44 3P 24/42V 16A 11H	10
06112	IP44 3P 24/42V 16A 10H	10
08114	IP44 2P 24V 32A NR	10
09114	IP44 2P 42V 32A 12H	10
08425	IP44 2P 24/42V 32A 4H	10
08427	IP44 2P 24/42V 32A 2H	10
08429	IP44 2P 24/42V 32A 3H	10
08431	IP44 2P 24/42V 32A 11H	10
06114	IP44 2P 24/42V 32A 10H	10
08115	IP44 3P 24V 32A NR	10
09115	IP44 3P 42V 32A 12H	10
08426	IP44 3P 24/42V 32A 4H	10
08428	IP44 3P 24/42V 32A 2H	10
08430	IP44 3P 24/42V 32A 3H	10
08432	IP44 3P 24/42V 32A 11H	10
06115	IP44 3P 24/42V 32A 10H	10

### IP44 Wall plugs



Ref.	Description	MOQ
08121	IP44 2P 24V 16A NR	10
09121	IP44 2P 42V 16A 12H	10
08433	IP44 2P 24/42V 16A 4H	10
08435	IP44 2P 24/42V 16A 2H	10
08437	IP44 2P 24/42V 16A 3H	10
08439	IP44 2P 24/42V 16A 11H	10
06121	IP44 2P 24/42V 16A 10H	10
08122	IP44 3P 24V 16A NR	10
09122	IP44 3P 42V 16A 12H	10
08434	IP44 3P 24/42V 16A 4H	10
08436	IP44 3P 24/42V 16A 2H	10
08438	IP44 3P 24/42V 16A 3H	10
08440	IP44 3P 24/42V 16A 11H	10
06122	IP44 3P 24/42V 16A 10H	10
08124	IP44 2P 24V 32A NR	6
09124	IP44 2P 42V 32A 12H	6
08441	IP44 2P 24/42V 32A 4H	6
08443	IP44 2P 24/42V 32A 2H	6
08445	IP44 2P 24/42V 32A 3H	6
08447	IP44 2P 24/42V 32A 11H	6
06124	IP44 2P 24/42V 32A 10H	6
08125	IP44 3P 24V 32A NR	6
09125	IP44 3P 42V 32A 12H	6
08442	IP44 3P 24/42V 32 A 4H	6
08444	IP44 3P 24/42V 32A 2H	6
08446	IP44 3P 24/42V 32A 3H	6
08448	IP44 3P 24/42V 32A 11H	6
06125	IP44 3P 24/42V 32A 10H	6

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00118	376	01322	384	02104	385
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00123	377	01324	384	02106	385
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00312	377	01605	387	02125	385
00313	377	01606	387	02126	385
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00316	377	01614	387	02202	384
00402	376	01621	387	02203	384
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00452	376	01651	387	02205	384
00456	376	01654	387	02206	384
00464	376	01661	387	02301	384
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01102	385	01671	387	02303	384
01103	385	01674	387	02304	384
01104	385	01701	386	02305	384
01105	385	01702	386	02306	384
01106	385	01703	386	02311	384
01111	385	01704	386	02312	384
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01116	385	01801	386	02321	384
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01124	385	01805	386	02325	384
01125	385	01806	386	02326	384
01126	385	01811	395	02351	395
01201	384	01814	395	02354	395
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01303	384	01834	395	02606	387
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02702	386	03126	385	03701	386
02703	386	03201	384	03702	386
02704	386	03202	384	03703	386
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02801	386	03305	384	03755P	386
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02803	386	03311	384	03756P	386
02804	386	03312	384	03801	386
02805	386	03313	384	03802	386
02806	386	03314	384	03803	386
02811	395	03315	384	03804	386
02814	395	03316	384	03805	386
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02822	386	03322	384	03812	395
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05322	384	06204	399	07785	386
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08324	399	08458	399	09121	399
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08401	399	08460	399	09124	399
08402	399	08461	399	09125	399
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48435	267	48519	150	48662	179
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48437	257	48523	150-199	48664	179
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48440	257	48527	124	48671	265
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48445	183	48531	265	48673	265
48446	183	48539	267	48674	265
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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.

For orders less than €3,000 **IDE ELECTRIC, S.L.** reserves the right to apply an administrative fee or even not to accept the order.

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 ELECTRIC, S.L.** 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 20% 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.

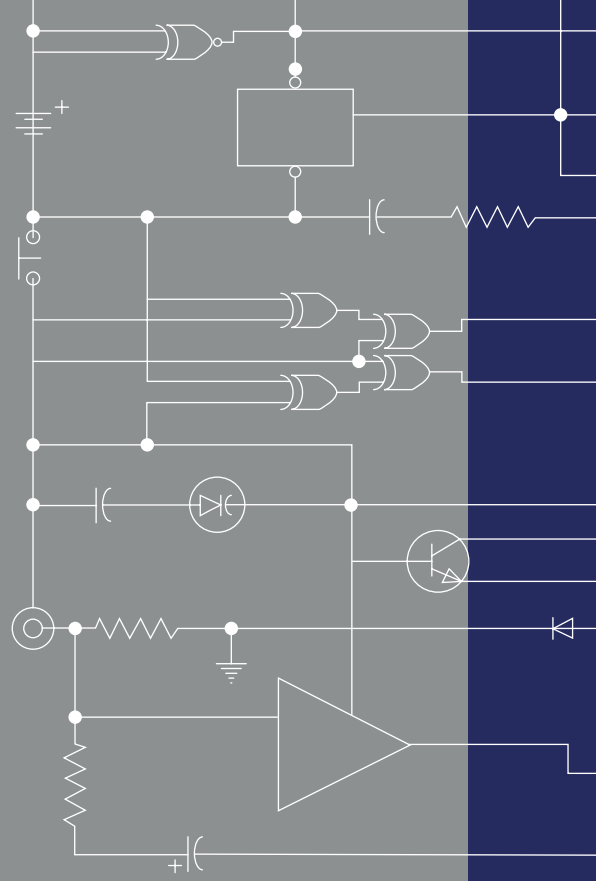
All goods manufactured by **IDE ELECTRIC S.L.** are GUARANTEED according to the current directives. In order to benefit from any such guarantee the BUYER should report the defect to **IDE ELECTRIC S.L.** immediately.

**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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**Head Office**

Leonardo da Vinci 2  
Pol. Ind. Los Huertos  
E-50800 Zuera  
Zaragoza (Spain)

**Warehouse and logistics**

Guttemberg 48  
Pol. Ind. Los Huertos  
E-50800 Zuera  
Zaragoza (Spain)

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**Phone:** +34 976 451 080

**E-mail:** [ide@ide.es](mailto:ide@ide.es)

**Web:** [www.ide.es](http://www.ide.es)

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