

ide

GENERAL CATALOGUE



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1st EDITION 2020

IDE ELECTRIC, S.L.



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IDE ELECTRIC S.L.

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, you will be able to subscribe to our CEC program.

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

- Catalogues, 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 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.



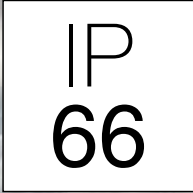
Maintenance recommendations

- 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










| | | |
|---|---|------------|
| IP66 ROLLED STEEL WALL-MOUNTING CABINETS |  | 20 |
| IP66 STAINLESS STEEL WALL-MOUNTING CABINETS | | 26 |
| ARGENTA | | 18 |
| IP66 ROLLED STEEL TERMINAL BOXES |  | 46 |
| IP66 STAINLESS STEEL TERMINAL BOXES | | 50 |
| TECNO | | 44 |
| IP66 ROLLED STEEL WALL-MOUNTING CABINETS (ARGENTA ATEX) |  | 62 |
| IP66 STAINLESS STEEL WALL-MOUNTING CABINETS (ARGENTA ATEX) | | 66 |
| IP66 STAINLESS STEEL TERMINAL BOXES (TECNO ATEX) | | 70 |
|  ATEX | | 58 |
| IP66 POLYESTER WALL-MOUNTING CABINETS |  | 78 |
| IP55 POLYESTER WALL-MOUNTING CABINETS | | 80 |
| GLASS | | 74 |
| IP66 POLYESTER DOUBLE INSULATION BOXES |  | 86 |
| IP55-IP65 STEEL FLOOR-STANDING COMPACT CABINETS (BIG) | | 96 |
| IP65 STAINLESS STEEL FLOOR-STANDING COMPACT CABINETS (BIG INOX) |  | 100 |
| IP55-IP65 STEEL FLOOR-STANDING SEMI-COMPACT CABINETS (FSC) | | 108 |
| IP55 STEEL FLOOR-STANDING COMBINABLE CABINETS (ENL) | | 114 |
| IP55 PC CONTROL CABINET | | 124 |
| ARGENTA PLUS | | 94 |
| IP55 STEEL CONTROL DESKS |  | 154 |
| BALTIC | | 154 |
| IP30-IP40 COMBINABLE STEEL SURFACE DISTRIBUTION CABINETS | | 167 |
| IP40 COMPACT STEEL SURFACE DISTRIBUTION CABINETS |  | 168 |
| IP65 COMPACT STEEL SURFACE DISTRIBUTION CABINETS | | 168 |
| IP40 STEEL FLUSH-FIT DISTRIBUTION CABINETS | | 169 |
| (48-192 MODULES) ATLANTIC | | 164 |
| IP40 COMBINABLE STEEL DISTRIBUTION CABINETS |  | 187 |
| IP55 COMPACT STEEL DISTRIBUTION CABINETS | | 188 |
| (192-288 MODULES) ATLANTIC PLUS | | 184 |
| THERMAL MANAGEMENT |  | 200 |
| INSTALLATION COMPONENTS |  | 254 |

INDEX

Industrial Plastic Boxes

| | | |
|-----------------------------------|---|------------|
| IP67 BOXES FOR INDUSTRIAL SOCKETS |  | |
| PRYMA | | 270 |
| IP65 BOXES FOR INDUSTRIAL SOCKETS |  | 280 |
| IP65 BOXES WITH KNOCK-OUT LIDS | | 284 |
| STAR | | 278 |
| IP65 DISTRIBUTION BOXES |  | |
| ECOLOGY | | 292 |
| IP65-IP67 JUNCTION BOXES |  | |
| LIGHT | | 304 |

Plastic Boxes: Tertiary Sector

| | | |
|---|---|------------|
| IP40 SURFACE DISTRIBUTION BOXES |  | |
| COMBI | | 316 |
| IP40 FLUSH-FIT DISTRIBUTION BOXES |  | |
| ORO | | 324 |
| IP40 FLUSH-FIT DISTRIBUTION BOXES |  | |
| DIAMANT | | 332 |
| IP40 FLUSH-FIT DISTRIBUTION BOXES WITH STEEL DOOR (HOLLOW AND BRICK WALLS) |  | |
| SILVER | | 336 |
| IP30 FLUSH-FIT DISTRIBUTION BOXES WITH PLASTIC DOOR (HOLLOW AND BRICK WALLS) |  | |
| HABITAT | | 342 |
| FLUSH-FIT MECHANISM AND JUNCTION BOXES (HOLLOW WALLS) |  | |
| DOMOS-K | | 348 |
| FLUSH-FIT MECHANISM AND JUNCTION BOXES (BRICK WALLS) |  | |
| DOMOS | | 354 |
| IP40-IP55 SURFACE BOXES AND MECHANISMS |  | |
| VERDI | | 360 |
| BOXES FOR ELECTRICAL COMPONENTS |  | |
| AMERICAN | | 366 |

Industrial power sockets 50/60 Hz

| | | |
|---------------------------|--|------------|
| MUNDIAL | | 370 |
| SCHUKO-TYPE | IP44-IP54-IP67-IP68  | 374 |
| LOW VOLTAGE | IP44-IP67  | 382 |
| INTERLOCKING | IP44-IP67  | 394 |
| EXTRA LOW VOLTAGE | IP44  | 398 |
| PACKING UNITS | | 402 |
| QUICK SEARCH | | 415 |
| CONDITIONS OF SALE | | 435 |





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, 80-120 μ , 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, thickness between 80-120 microns.
- **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 | 80x135 | 1 | 2 | 1 | 126x83 | 3.45 | 19.75 | 24.68 | 29.62 | 34.55 | 39.49 |
| GN252515 | 250x250x150 | 220x200 | 1.2 | 1.2 | 80x135 | 1 | 2 | 1 | 146x99 | 4.10 | 22.83 | 28.53 | 34.24 | 39.94 | 45.65 |
| GN302015 | 300x200x150 | 270x150 | 1.2 | 1.2 | 80x135 | 1 | 2 | 1 | 176x83 | 3.95 | 22.77 | 28.46 | 34.16 | 39.85 | 45.54 |
| GN302515 | 300x250x150 | 270x200 | 1.2 | 1.2 | 80x135 | 1 | 2 | 1 | 196x99 | 4.65 | 26.24 | 32.79 | 39.35 | 45.91 | 52.47 |
| GN302520 | 300x250x200 | 270x200 | 1.2 | 1.2 | 80x135 | 1 | 2 | 1 | 196x99 | 5.30 | 31.13 | 38.91 | 46.70 | 54.48 | 62.26 |
| GN303015 | 300x300x150 | 270x250 | 1.2 | 1.2 | 80x200 | 1 | 2 | 2 | 196x149 | 5.50 | 29.70 | 37.13 | 44.55 | 51.98 | 59.40 |
| GN303020 | 300x300x200 | 270x250 | 1.2 | 1.2 | 140x230 | 1 | 2 | 2 | 196x149 | 6.15 | 34.98 | 43.73 | 52.47 | 61.22 | 69.96 |
| GN304015 | 300x400x150 | 270x350 | 1.2 | 1.2 | 80x300 | 1 | 2 | 2 | 196x249 | 6.90 | 36.63 | 45.79 | 54.95 | 64.10 | 73.26 |
| GN304020 | 300x400x200 | 270x350 | 1.2 | 1.2 | 140x300 | 1 | 2 | 2 | 196x249 | 7.60 | 42.68 | 53.35 | 64.02 | 74.69 | 85.36 |
| GN403015 | 400x300x150 | 370x250 | 1.2 | 1.2 | 80x200 | 1 | 2 | 2 | 296x149 | 6.95 | 37.29 | 46.61 | 55.94 | 65.26 | 74.58 |
| GN403020 | 400x300x200 | 370x250 | 1.2 | 1.2 | 140x230 | 1 | 2 | 2 | 296x149 | 7.75 | 43.56 | 54.45 | 65.34 | 76.23 | 87.12 |
| GN404015 | 400x400x150 | 370x350 | 1.2 | 1.2 | 80x300 | 1 | 2 | 2 | 296x249 | 8.50 | 45.76 | 57.20 | 68.64 | 80.08 | 91.52 |
| GN404020 | 400x400x200 | 370x350 | 1.2 | 1.2 | 140x300 | 1 | 2 | 2 | 296x249 | 9.50 | 52.80 | 66.00 | 79.20 | 92.40 | 105.60 |
| GN404025 | 400x400x250 | 370x350 | 1.2 | 1.2 | 140x300 | 1 | 2 | 2 | 296x249 | 10.50 | 59.84 | 74.80 | 89.76 | 104.72 | 119.68 |
| GN406020 | 400x600x200 | 370x550 | 1.2 | 1.2 | 140x500 | 1 | 2 | 2 | 297x449 | 14.30 | 71.28 | 89.10 | 106.92 | 124.74 | 142.56 |
| GN406025 | 400x600x250 | 370x550 | 1.2 | 1.2 | 140x500 | 1 | 2 | 2 | 297x449 | 15.50 | 79.86 | 99.83 | 119.79 | 139.76 | 159.72 |
| GN406030 | 400x600x300 | 370x550 | 1.2 | 1.2 | 140x500 | 1 | 2 | 2 | 297x449 | 16.25 | 88.44 | 110.55 | 132.66 | 154.77 | 176.88 |
| GN503015 | 500x300x150 | 470x250 | 1.2 | 1.2 | 80x200 | 2 | 2 | 2 | 396x149 | 8.29 | 44.88 | 56.10 | 67.32 | 78.54 | 89.76 |
| GN503020 | 500x300x200 | 470x250 | 1.2 | 1.2 | 140x230 | 2 | 2 | 2 | 396x149 | 9.20 | 52.14 | 65.18 | 78.21 | 91.25 | 104.28 |
| GN503025 | 500x300x250 | 470x250 | 1.2 | 1.2 | 140x230 | 2 | 2 | 2 | 396x149 | 10.10 | 59.40 | 74.25 | 89.10 | 103.95 | 118.80 |
| GN504015 | 500x400x150 | 470x350 | 1.2 | 1.2 | 80x300 | 2 | 2 | 2 | 396x249 | 10.50 | 54.89 | 68.61 | 82.34 | 96.06 | 109.78 |
| GN504020 | 500x400x200 | 470x350 | 1.2 | 1.2 | 140x300 | 2 | 2 | 2 | 396x249 | 11.30 | 62.92 | 78.65 | 94.38 | 110.11 | 125.84 |
| GN504025 | 500x400x250 | 470x350 | 1.2 | 1.2 | 140x300 | 2 | 2 | 2 | 396x249 | 12.50 | 70.95 | 88.69 | 106.43 | 124.16 | 141.90 |
| GN504030 | 500x400x300 | 470x350 | 1.2 | 1.2 | 140x300 | 2 | 2 | 2 | 396x249 | 13.20 | 78.98 | 98.73 | 118.47 | 138.22 | 157.96 |
| GN505015 | 500x500x150 | 470x450 | 1.2 | 1.2 | 80x300 | 2 | 2 | 2 | 396x349 | 12.55 | 64.90 | 81.13 | 97.35 | 113.58 | 129.80 |
| GN505020 | 500x500x200 | 470x450 | 1.2 | 1.2 | 140x400 | 2 | 2 | 2 | 396x349 | 13.90 | 73.70 | 92.13 | 110.55 | 128.98 | 147.40 |
| GN505025 | 500x500x250 | 470x450 | 1.2 | 1.2 | 140x400 | 2 | 2 | 2 | 396x349 | 15.10 | 82.50 | 103.13 | 123.75 | 144.38 | 165.00 |
| GN505030 | 500x500x300 | 470x450 | 1.2 | 1.2 | 140x400 | 2 | 2 | 2 | 396x349 | 15.90 | 91.30 | 114.13 | 136.95 | 159.78 | 182.60 |
| GN507020 | 500x700x200 | 470x650 | 1.5 | 1.5 | 140x500 | 2 | 2 | 2 | 396x549 | 21.30 | 97.02 | 121.28 | 145.53 | 169.79 | 194.04 |
| GN508025 | 500x800x250 | 470x750 | 1.5 | 1.5 | 140x700 | 2 | 2 | 2 | 396x649 | 21.40 | 117.20 | 146.40 | 175.70 | 205.00 | 234.30 |
| GN508030 | 500x800x300 | 470x750 | 1.5 | 1.5 | 140x700 | 2 | 2 | 2 | 396x649 | 21.50 | 128.30 | 160.30 | 192.40 | 224.50 | 256.50 |
| GN604015 | 600x400x150 | 570x350 | 1.2 | 1.2 | 80x300 | 2 | 2 | 2 | 496x249 | 12.55 | 64.02 | 80.03 | 96.03 | 112.04 | 128.04 |
| GN604020 | 600x400x200 | 570x350 | 1.2 | 1.2 | 140x300 | 2 | 2 | 2 | 496x249 | 13.37 | 73.04 | 91.30 | 109.56 | 127.82 | 146.08 |
| GN604025 | 600x400x250 | 570x350 | 1.2 | 1.2 | 140x300 | 2 | 2 | 2 | 496x249 | 14.50 | 82.06 | 102.58 | 123.09 | 143.61 | 164.12 |
| GN604030 | 600x400x300 | 570x350 | 1.2 | 1.2 | 140x300 | 2 | 2 | 2 | 496x249 | 15.35 | 91.08 | 113.85 | 136.62 | 159.39 | 182.16 |
| GN605015 | 600x500x150 | 570x450 | 1.2 | 1.5 | 80x300 | 2 | 2 | 2 | 497x349 | 15.70 | 75.57 | 94.46 | 113.36 | 132.25 | 151.14 |
| GN605020 | 600x500x200 | 570x450 | 1.2 | 1.5 | 140x400 | 2 | 2 | 2 | 497x349 | 17.15 | 85.36 | 106.70 | 128.04 | 149.38 | 170.72 |
| GN605025 | 600x500x250 | 570x450 | 1.2 | 1.5 | 140x400 | 2 | 2 | 2 | 497x349 | 18.20 | 95.15 | 118.94 | 142.73 | 166.51 | 190.30 |
| GN605030 | 600x500x300 | 570x450 | 1.2 | 1.5 | 140x400 | 2 | 2 | 2 | 497x349 | 19.20 | 104.94 | 131.18 | 157.41 | 183.65 | 209.88 |
| GN606020 | 600x600x200 | 570x550 | 1.5 | 1.5 | 140x500 | 2 | 2 | 2 | 497x449 | 21.40 | 97.68 | 122.10 | 146.52 | 170.94 | 195.36 |
| GN606025 | 600x600x250 | 570x550 | 1.5 | 1.5 | 140x500 | 2 | 2 | 2 | 497x449 | 23.00 | 108.24 | 135.30 | 162.36 | 189.42 | 216.48 |
| GN606030 | 600x600x300 | 570x550 | 1.5 | 1.5 | 140x500 | 2 | 2 | 2 | 497x449 | 24.40 | 118.80 | 148.50 | 178.20 | 207.90 | 237.60 |
| GN606040 | 600x600x400 | 570x550 | 1.5 | 1.5 | 140x500 | 2 | 2 | 2 | 497x449 | 26.50 | 139.92 | 174.90 | 209.88 | 244.86 | 279.84 |
| GN608025 | 600x800x250 | 570x750 | 1.5 | 1.5 | 140x700 | 2 | 2 | 2 | 497x649 | 30.00 | 134.40 | 168.00 | 201.60 | 235.20 | 268.80 |
| GN608030 | 600x800x300 | 570x750 | 1.5 | 1.5 | 140x700 | 2 | 2 | 2 | 497x649 | 31.40 | 146.52 | 183.15 | 219.78 | 256.41 | 293.04 |
| GN705015 | 700x500x150 | 670x450 | 1.5 | 1.5 | 80x300 | 2 | 2 | 2 | 597x349 | 19.55 | 86.24 | 107.80 | 129.36 | 150.92 | 172.48 |
| GN705020 | 700x500x200 | 670x450 | 1.5 | 1.5 | 140x400 | 2 | 2 | 2 | 597x349 | 22.80 | 97.02 | 121.28 | 145.53 | 169.79 | 194.04 |
| GN705025 | 700x500x250 | 670x450 | 1.5 | 1.5 | 140x400 | 2 | 2 | 2 | 597x349 | 22.85 | 107.80 | 134.75 | 161.70 | 188.65 | 215.60 |
| GN705030 | 700x500x300 | 670x450 | 1.5 | 1.5 | 140x400 | 2 | 2 | 2 | 597x349 | 24.70 | 118.60 | 148.20 | 177.90 | 207.50 | 237.20 |
| GN804020 | 800x400x200 | 770x350 | 1.5 | 1.5 | 140x300 | 2 | 3 | 2 | 697x249 | 20.20 | 93.28 | 116.60 | 139.92 | 163.24 | 186.56 |
| GN804025 | 800x400x250 | 770x350 | 1.5 | 1.5 | 140x300 | 2 | 3 | 2 | 697x249 | 21.90 | 104.28 | 130.35 | 156.42 | 182.49 | 208.56 |
| GN804030 | 800x400x300 | 770x350 | 1.5 | 1.5 | 140x300 | 2 | 3 | 2 | 697x249 | 22.90 | 115.28 | 144.10 | 172.92 | 201.74 | 230.56 |
| GN806020 | 800x600x200 | 770x550 | 1.5 | 1.5 | 140x500 | 2 | 3 | 2 | 697x449 | 28.15 | 124.08 | 155.10 | 186.12 | 217.14 | 248.16 |
| GN806025 | 800x600x250 | 770x550 | 1.5 | 1.5 | 140x500 | 2 | 3 | 2 | 697x449 | 29.80 | 136.62 | 170.78 | 204.93 | 239.09 | 273.24 |
| GN806030 | 800x600x300 | 770x550 | 1.5 | 1.5 | 140x500 | 2 | 3 | 2 | 697x449 | 31.70 | 149.16 | 186.45 | 223.74 | 261.03 | 298.32 |
| GN806040 | 800x600x400 | 770x550 | 1.5 | 1.5 | 140x500 | 2 | 3 | 2 | 697x449 | 35.76 | 174.24 | 217.80 | 261.36 | 304.92 | 348.48 |
| GN808020 | 800x800x200 | 770x750 | 1.5 | 1.5 | 140x700 | 2 | 3 | 2 | 697x649 | 35.80 | 154.88 | 193.60 | 232.32 | 271.04 | 309.76 |
| GN808025 | 800x800x250 | 770x750 | 1.5 | 1.5 | 140x700 | 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 | 140x700 | 2 | 3 | 2 | 697x649 | 39.45 | 183.04 | 228.80 | 274.56 | 320.32 | 366.08 |
| GN808040 | 800x800x400 | 770x750 | 1.5 | 1.5 | 140x700 | 2 | 3 | 2 | 697x649 | 43.65 | 211.20 | 264.00 | 316.80 | 369.60 | 422.40 |
| GN8010030 | 800x1000x300 | 770x950 | 1.5 | 1.5 | 140x900 | 2 | 3 | 4 | 697x849 | 48.90 | 216.92 | 271.15 | 325.38 | 379.61 | 433.84 |
| GN1006025 | 1000x600x250 | 970x550 | 1.5 | 2 | 140x500 | 3P | 3 | 2 | 897x419 | 39.20 | 165.00 | 206.25 | 247.50 | 288.75 | 330.00 |
| GN1006030 | 1000x600x300 | 970x550 | 1.5 | 2 | 140x500 | 3P | 3 | 2 | 897x419 | 41.16 | 179.52 | 224.40 | 269.28 | 314.16 | 359.04 |
| GN1006040 | 1000x600x400 | 970x550 | 1.5 | 2 | 140x500 | 3P | 3 | 2 | 897x419 | 50.00 | 208.56 | 260.70 | 312.84 | 364.98 | 417.12 |
| GN1008025 | 1000x800x250 | 970x750 | 1.5 | 2 | 140x700 | 3P | 3 | 2 | 897x619 | 49.65 | 203.50 | 254.38 | 305.25 | 356.13 | 407.00 |
| GN1008030 | 1000x800x300 | 970x750 | 1.5 | 2 | 140x700 | 3P | 3 | 2 | 897x619 | 51.90 | 219.56 | 274.45 | 329.34 | 384.23 | 439.12 |
| GN1008040 | 1000x800x400 | 970x750 | 1.5 | 2 | 140x700 | 3P | 3 | 2 | 897x619 | 57.00 | 251.68 | 314.60 | 377.52 | 440.44 | 503.36 |
| GN10010030 | 1000x1000x300 | 970x950 | 1.5 | 1.5 | 140x900 | 3P | 3 | 4 | 897x819 | 59.15 | 259.60 | 324.50 | 389.40 | 454.30 | 519.20 |
| GN1206025 | 1200x600x250 | 1170x550 | 1.5 | 2 | 140x500 | 3P | 3 | 2 | 1097x419 | 45.30 | 193.38 | 241.73 | 290.07 | 338.42 | 386.76 |
| GN1206030 | 1200x600x300 | 1170x550 | 1.5 | 2 | 140x500 | 3P | 3 | 2 | 1097x419 | 47.60 | 209.88 | 262.35 | 314.82 | 367.29 | 419.76 |
| GN1206040 | 1200x600x400 | 1170x550 | 1.5 | 2 | 140x500 | 3P | 3 | 2 | 1097x419 | 65.95 | 242.88 | 303.60 | 364.32 | 425.04 | 485.76 |
| GN1208030 | 1200x800x300 | 1170x750 | 1.5 | 2 | 140x700 | 3P | 3 | 2 | 1097x619 | 60.80 | 256.08 | 320.10 | 384.12 | 448.14 | 512.16 |
| GN1208040 | 1200x800x400 | 1170x750 | 1.5 | 2 | 140x700 | 3P | 3 | 2 | 1097x619 | 66.30 | 292.16 | 365.20 | 438.24 | 511.28 | 584.32 |
| GN1209030 | 1200x900x285 | 1170x850 | 1.5 | 2 | 140x700 | 3P | 3 | 2 | 1097x719 | 67.30 | 271.66 | 339.57 | 407.48 | 475.40 | 543.31 |
| GN12010030 | 1200x1000x300 | 1170x910 | 1.5 | 1.5 | 140x900 | 3P | 3 | 4 | 1097x819 | 68.80 | 302.28 | 377.85 | 453.42 | 528.99 | 604.56 |
| GN12012025 | 1200x1200x250 | 1170x1150 | 1.5 | 1.5 | 2x(140x500) | 3P | 3 | 4 | 1097x1019 | 78.50 | 327.36 | 409.20 | 491.04 | 572.88 | 654.72 |
| GN14010040 | 1400x1000x400 | 1370x950 | 1.5 | 1.5 | 140x900 | 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.

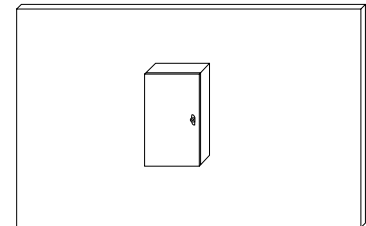
Transparent doors from 300x400 to 1400x1000 mm: 4-mm thick tempered glass.

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".

SEE DIMENSIONS ON [PAGE 25](#).

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 (AXBXC) | Dim. plate (AXB) | Sheet thickness | | Cable entry (DXE) | No. locks | No. hinges | Reinf. prof. | Door with transparent panel H X W | Weight KG | Power dissipation according to temperature increase °C P(W)* | | | | |
|---------------|-------------------------|---------------------|-----------------|-----|----------------------|-----------|------------|--------------|--------------------------------------|--------------|--|--------|--------|--------|--------|
| | | | E | D | | | | | | | 20 | 25 | 30 | 35 | 40 |
| GN5010025/PD | 500x1000x250 | 470x950 | 1.5 | 1.5 | 140x900 | 3P | 2 | 2 | - | 45.90 | 140.30 | 175.30 | 210.40 | 245.40 | 280.50 |
| GN5010030/PD | 500x1000x300 | 470x950 | 1.5 | 1.5 | 140x900 | 3P | 2 | 2 | - | 46.20 | 152.90 | 191.10 | 229.40 | 267.60 | 305.80 |
| GN6012025/PD | 600x1200x250 | 570x1150 | 1.5 | 1.5 | 2x(140x500) | 3P | 2 | 2 | - | 46.30 | 186.80 | 233.50 | 280.20 | 326.90 | 373.60 |
| GN6012030/PD | 600x1200x300 | 570x1150 | 1.5 | 1.5 | 2x(140x500) | 3P | 2 | 2 | - | 47.50 | 202.00 | 252.50 | 302.90 | 353.40 | 403.90 |
| GN8010020/PD | 800x1000x200 | 770x950 | 1.5 | 1.5 | 140x900 | 3P | 3 | 2 | - | 45.50 | 185.68 | 232.10 | 278.52 | 324.94 | 371.36 |
| GN8010030/PD | 800x1000x300 | 770x950 | 1.5 | 1.5 | 140x900 | 3P | 3 | 2 | - | 49.90 | 216.92 | 271.15 | 325.38 | 379.61 | 433.84 |
| GN8010040/PD | 800x1000x400 | 770x950 | 1.5 | 1.5 | 140x900 | 3P | 3 | 2 | - | 63.00 | 248.16 | 310.20 | 372.24 | 434.28 | 496.32 |
| GN8012030/PD | 800x1200x300 | 770x1150 | 1.5 | 1.5 | 2x(140x500) | 3P | 3 | 2 | - | 58.00 | 250.80 | 313.50 | 376.20 | 438.90 | 501.60 |
| GN8012040/PD | 800x1200x400 | 770x1150 | 1.5 | 1.5 | 2x(140x500) | 3P | 3 | 2 | - | 62.50 | 285.12 | 356.40 | 427.68 | 498.96 | 570.24 |
| GN10010030/PD | 1000x1000x300 | 970x950 | 1.5 | 2 | 140x900 | 3P | 3 | 2 | - | 55.25 | 259.60 | 324.50 | 389.40 | 454.30 | 519.20 |
| GN10010040/PD | 1000x1000x400 | 970x950 | 1.5 | 2 | 140x900 | 3P | 3 | 2 | - | 69.90 | 294.80 | 368.50 | 442.20 | 515.90 | 589.60 |
| GN10012030/PD | 1000x1200x300 | 970x1150 | 1.5 | 2 | 2x(140x500) | 3P | 3 | 2 | - | 73.50 | 299.64 | 374.55 | 449.46 | 524.37 | 599.28 |
| GN10012040/PD | 1000x1200x400 | 970x1150 | 1.5 | 2 | 2x(140x500) | 3P | 3 | 2 | - | 81.70 | 337.92 | 422.40 | 506.88 | 591.36 | 675.84 |
| GN12010030/PD | 1200x1000x300 | 1170x950 | 1.5 | 2 | 140x900 | 3P | 3 | 2 | - | 73.50 | 302.28 | 377.85 | 453.42 | 528.99 | 604.56 |
| GN12010040/PD | 1200x1000x400 | 1170x950 | 1.5 | 2 | 140x900 | 3P | 3 | 2 | - | 80.00 | 341.44 | 426.80 | 512.16 | 597.52 | 682.88 |
| GN12012025/PD | 1200x1200x250 | 1170x1150 | 1.5 | 2 | 2x(140x500) | 3P | 3 | 2 | - | 79.00 | 327.36 | 409.20 | 491.04 | 572.88 | 654.72 |
| GN12012030/PD | 1200x1200x300 | 1170x1150 | 1.5 | 2 | 2x(140x500) | 3P | 3 | 2 | - | 88.85 | 348.48 | 435.60 | 522.72 | 609.84 | 696.96 |
| GN12012040/PD | 1200x1200x400 | 1170x1150 | 1.5 | 2 | 2x(140x500) | 3P | 3 | 2 | - | 89.00 | 390.72 | 488.40 | 586.08 | 683.76 | 781.44 |
| GN14010030/PD | 1400x1000x300 | 1370x950 | 1.5 | 2 | 140x900 | 3P | 3 | 2 | - | 82.60 | 344.96 | 431.20 | 517.44 | 603.68 | 689.92 |
| GN14010040/PD | 1400x1000x400 | 1370x950 | 1.5 | 2 | 140x900 | 3P | 3 | 2 | - | 75.00 | 388.08 | 485.10 | 582.12 | 679.14 | 776.16 |
| GN14012040/PD | 1400x1200x400 | 1370x950 | 1.5 | 2 | 2x(140x500) | 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.

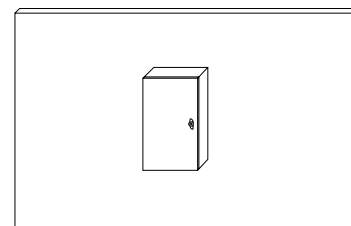
Pack of 4 plate height adjusters supplied in all references, even in those without plate /SP.

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".

SEE DIMENSIONS ON [PAGE 25](#).

SEE ACCESSORIES ON [PAGE 30](#).



Opaque double-door cabinets

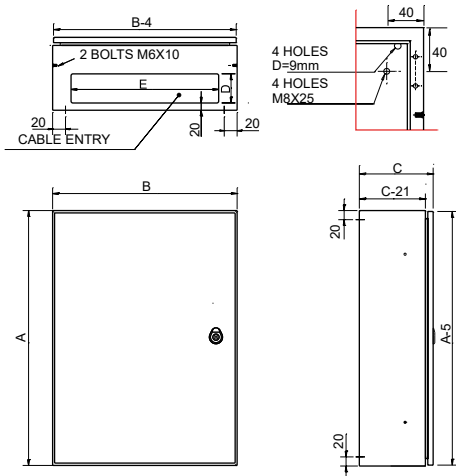


Maximum acceptable loads

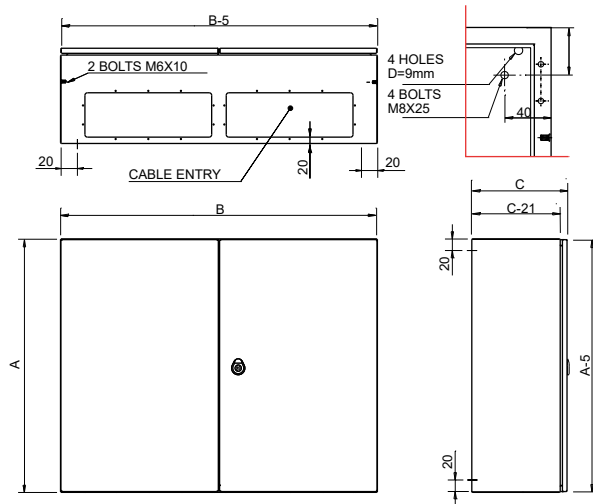
| | Total load | Door | Plate |
|---|------------|-------|--------|
| Cabinets from 250x200x150 to 300x300x200 | 150 kg | 25 kg | 125 kg |
| Cabinets from 300x400x150 to 400x300x200 | 175 kg | 25 kg | 150 kg |
| Cabinets from 400x400x150 to 600x400x300 | 225 kg | 25 kg | 200 kg |
| Cabinets from 600x500x150 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)

Standard

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

To order

- AISI 304L and AISI 316L cabinets with transparent door (with mounting plate).
- Cabinets without mounting plate (add /SP to the reference).
- Special cabinets: dimensions, cut-outs, machined...

Supply

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

- **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

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

Finish

- 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.

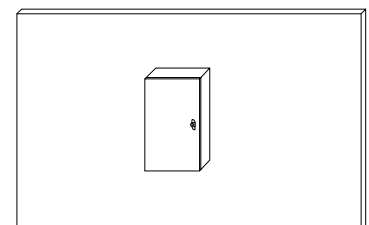
For references with transparent door, add T; e.g.: INXT302515 (Check availability).

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



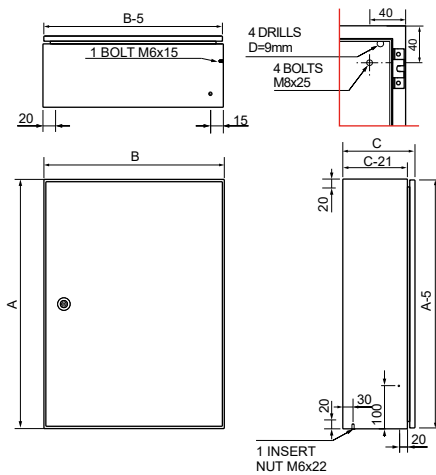
Double-door INOX cabinet

Maximum acceptable loads

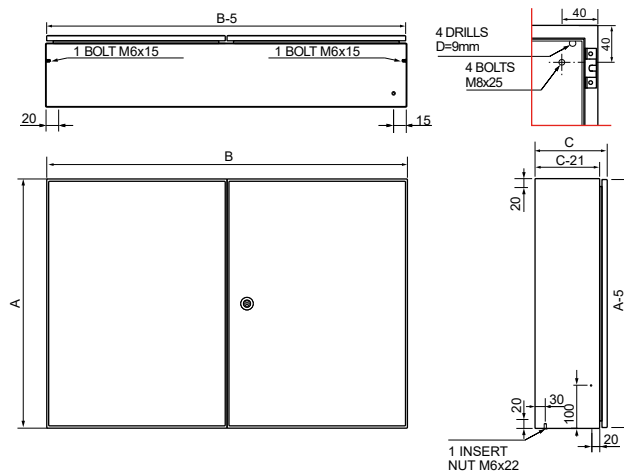
| | Total load | Opaque door | Plate |
|---|------------|-------------|--------|
| Cabinets from 250x200x150 to 300x300x200 | 150 kg | 25 kg | 125 kg |
| Cabinets from 300x400x150 to 400x300x200 | 175 kg | 25 kg | 150 kg |
| Cabinets from 400x400x150 to 600x400x300 | 225 kg | 25 kg | 200 kg |
| Cabinets 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

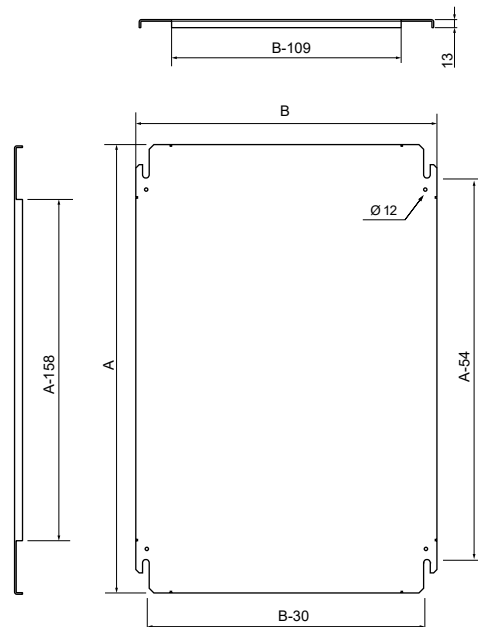


MATERIAL: Plain mounting plate in 2-mm thick galvanized steel.

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



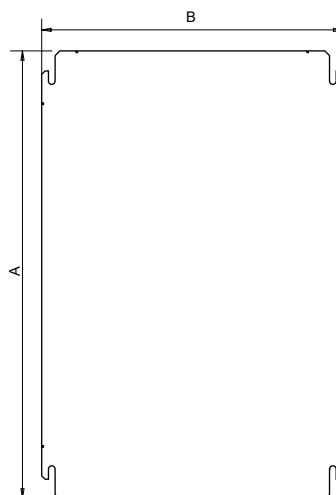
MATERIAL: Plain mounting plate in Bakelite.

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.

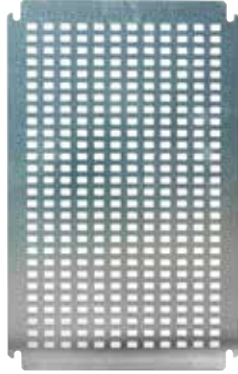
| Reference No. | Dimensions | Plate thickness | For cabinet | |
|---------------|------------|-----------------|-------------|-------|
| | (AXB) | mm | HEIGHT | WIDTH |
| PLB2520 | 220x150 | 3 | 250 | 200 |
| PLB2525 | 220x200 | 3 | 250 | 250 |
| PLB3020 | 270x150 | 3 | 300 | 200 |
| PLB3025 | 270x200 | 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 |
| 100-MM PLINTH | HEIGHT X WIDTH X DEPTH | | |
| 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 |
| 200-MM PLINTH | HEIGHT X WIDTH X DEPTH | | |
| 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 |
| AISI 304L 100-MM PLINTH | HEIGHT X WIDTH X DEPTH | | |
| 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 |
|--------|------------------|

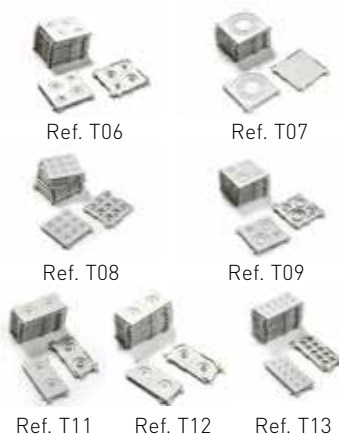
MATERIAL: Fibreglass-reinforced polypropylene.

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 | 210 | 174 | 200 | 150 |
| TEJ2515 | 260 | 174 | 250 | 150 |
| TEJ2520 | 260 | 224 | 250 | 200 |
| TEJ3015 | 310 | 174 | 300 | 150 |
| TEJ3020 | 310 | 224 | 300 | 200 |
| TEJ3025 | 310 | 274 | 300 | 250 |
| TEJ4015 | 410 | 174 | 400 | 150 |
| TEJ4020 | 410 | 224 | 400 | 200 |
| TEJ4025 | 410 | 274 | 400 | 250 |
| TEJ4030 | 410 | 324 | 400 | 300 |
| TEJ5015 | 510 | 174 | 500 | 150 |
| TEJ5020 | 510 | 224 | 500 | 200 |
| TEJ5025 | 510 | 274 | 500 | 250 |
| TEJ5030 | 510 | 324 | 500 | 300 |
| TEJ6020 | 610 | 224 | 600 | 200 |
| TEJ6025 | 610 | 274 | 600 | 250 |
| TEJ6030 | 610 | 324 | 600 | 300 |
| TEJ6040 | 610 | 424 | 600 | 400 |
| TEJ7020 | 710 | 224 | 700 | 200 |
| TEJ8020 | 810 | 224 | 800 | 200 |
| TEJ8025 | 810 | 274 | 800 | 250 |
| TEJ8030 | 810 | 324 | 800 | 300 |
| TEJ8040 | 810 | 424 | 800 | 400 |
| TEJ10020 | 1010 | 224 | 1000 | 200 |
| TEJ10025 | 1010 | 274 | 1000 | 250 |
| TEJ10030 | 1010 | 324 | 1000 | 300 |
| TEJ10040 | 1010 | 424 | 1000 | 400 |
| TEJ12025 | 1210 | 274 | 1200 | 250 |
| TEJ12030 | 1210 | 324 | 1200 | 300 |
| TEJ12040 | 1210 | 424 | 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.

FOR THE FOLLOWING CABINETS: GN.

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 | 800 | 1200 |
| PIN10060 | 950x550 | 1000 | 600 |
| PIN10080 | 950x750 | 1000 | 800 |
| PIN100100 | 950x950 | 1000 | 1000 |
| PIN100120 | 950x1150 | 1000 | 1200 |
| PIN12060 | 1150x550 | 1200 | 600 |
| PIN12080 | 1150x750 | 1200 | 800 |
| PIN12090 | 1150x850 | 1200 | 900 |
| PIN120100 | 1150x950 | 1200 | 1000 |
| PIN120120 | 1150x1150 | 1200 | 1200 |
| PIN140100 | 1350x950 | 1400 | 1000 |

Inner door (stainless steel)



| 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:

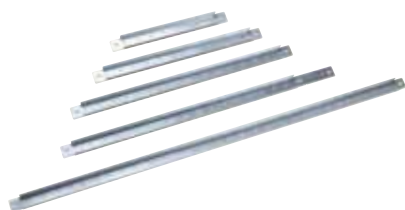
Doors from 250x200 to 800x800: 25 kg.

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 |
|---------------|---|
| 48456 | 1P 1/4 turn lock with key code 333 |
| 48496 | 3P 1/4 turn lock with key code 333 (without rods) |
| 48493 | 1P 1/4 turn lock with key code 405 |
| 48580 | 3P 1/4 turn lock with key code 405 (without rods) |
| 48495 | 1P 1/4 turn lock with key code 1242E |
| 48589 | 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 |
|---------------|---|
| 48412 | 1P 1/4 turn lock with fixed wing nut |
| 48413 | 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

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

CHARACTERISTICS: Housing manufactured in black polyamide and latch in steel. 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

| | |
|--------------|---|
| 48457 | 1P 1/4 turn lock with wing nut with key code 333 |
| 48411 | 3P 1/4 turn lock with wing nut with key code 333 (without rods) |

| | |
|--------------|---|
| 48590 | 1P 1/4 turn lock with wing nut with key code 405 |
| 48591 | 3P 1/4 turn lock with wing nut with key code 405 (without rods) |

| | |
|--------------|---|
| 48587 | 1P 1/4 turn lock with wing nut with key code 1242E |
| 48592 | 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 |
|--|---------------|--|
|  | 48546 | 1P triangle lock + 6.5-mm triangle key in zamak |
|  | 48547 | 3P triangle lock + 6.5-mm triangle key in zamak (without rods) |
| Ref. 48546 | Ref. 48547 | |
|  | 48451 | 1P triangle lock + 8-mm triangle key in zamak |
|  | 48415 | 3P triangle lock + 8-mm triangle key in zamak (without rods) |
| Ref. 48451 | Ref. 48415 | |
|  | 48501 | 1P triangle lock for padlock + 8-mm triangle key in zamak |
|  | 48404 | 3P triangle lock for padlock + 8-mm triangle key in zamak (without rods) |
| Ref. 48501 | Ref. 48404 | |
|  | 48455 | 1P square lock + 7-mm square polyamide key |
|  | 48540 | 3P square lock + 7-mm square polyamide key (without rods) |
| Ref. 48455 | Ref. 48540 | |
| CHARACTERISTICS: 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. | | |
|  | 29266 | Galvanised interlocking lock |
| Ref. 29266 | | |

Keys

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

Wall-mounting support



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

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

MATERIAL: Galvanised steel or AISI 316L stainless steel.

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

11-mm wall separation.

Maximum horizontal or vertical load: 490 kg.

SUPPLY: Pack of 4 supports.

FOR THE FOLLOWING CABINETS: GN - INX.

External fixing



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

| | |
|-------|-----------------------------------|
| 48422 | Inner hook fitting (4-piece pack) |
|-------|-----------------------------------|

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) |
|-------|--------------------------------|

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 |
|---------------|-------------|
|---------------|-------------|

| | |
|-------|-------------------------------------|
| 48475 | M12 Lifting eyebolts (2-piece pack) |
|-------|-------------------------------------|

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 |
|---------------|-------------|------------|
|---------------|-------------|------------|

| | | |
|-------|--|---------------|
| 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)

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

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

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

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 µ, 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, thickness between 80-120 microns.
- **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.

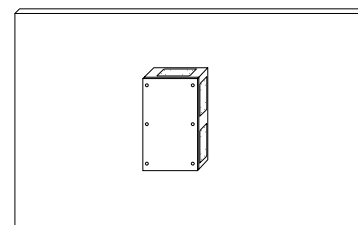
Injected polyurethane sealing gasket.

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 |



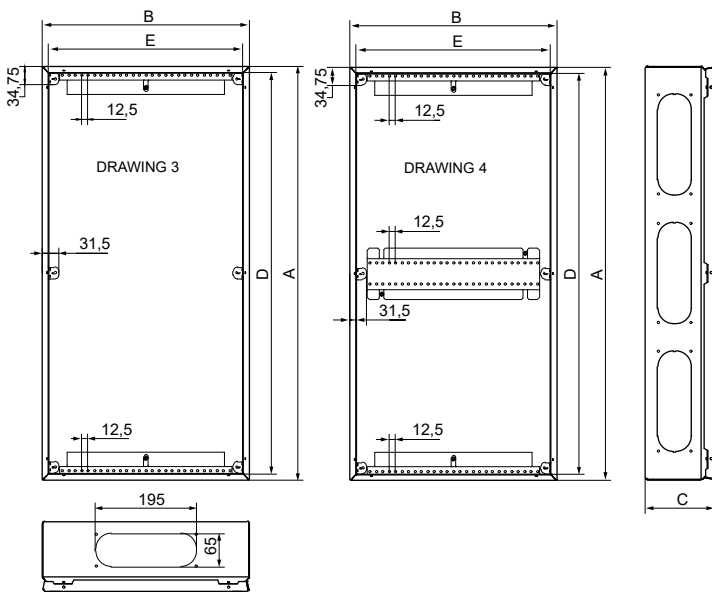
Box with plain sides



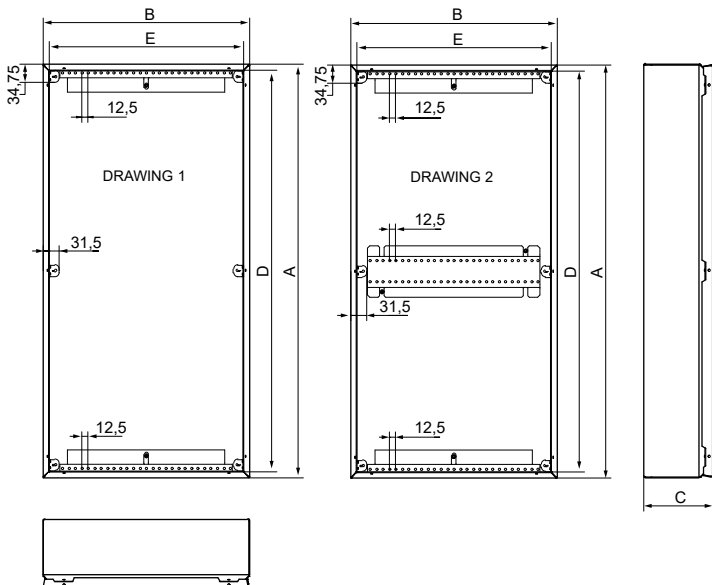
Box with cable entry

Dimensions: Tecno rolled steel

With cable entry



With plain sides



TECNO INOX

IP66 stainless steel terminal boxes



Product series (Stainless steel)

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

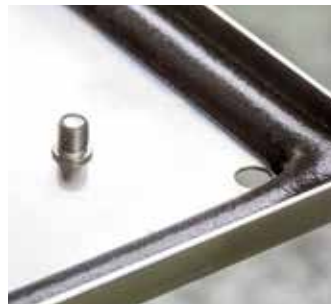
- **AISI 304L:** Industrial environments and outdoor facilities with aggressive agents or saline environments; food, chemical and petrochemical industries, where a high degree of hygiene is required.
- **AISI 316L:** All previous applications and, in addition, sea ports and areas with a high salt or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

Material

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

Finish

- Scotch 320 satin finish.

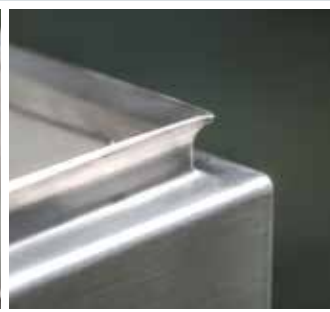


Enclosure

- 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.

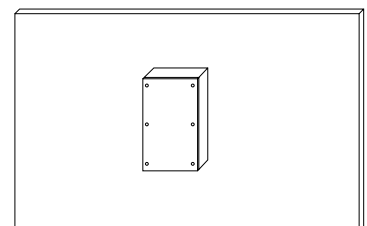
AISI 316L Stainless steel. Scotch 320 satin finish.

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.

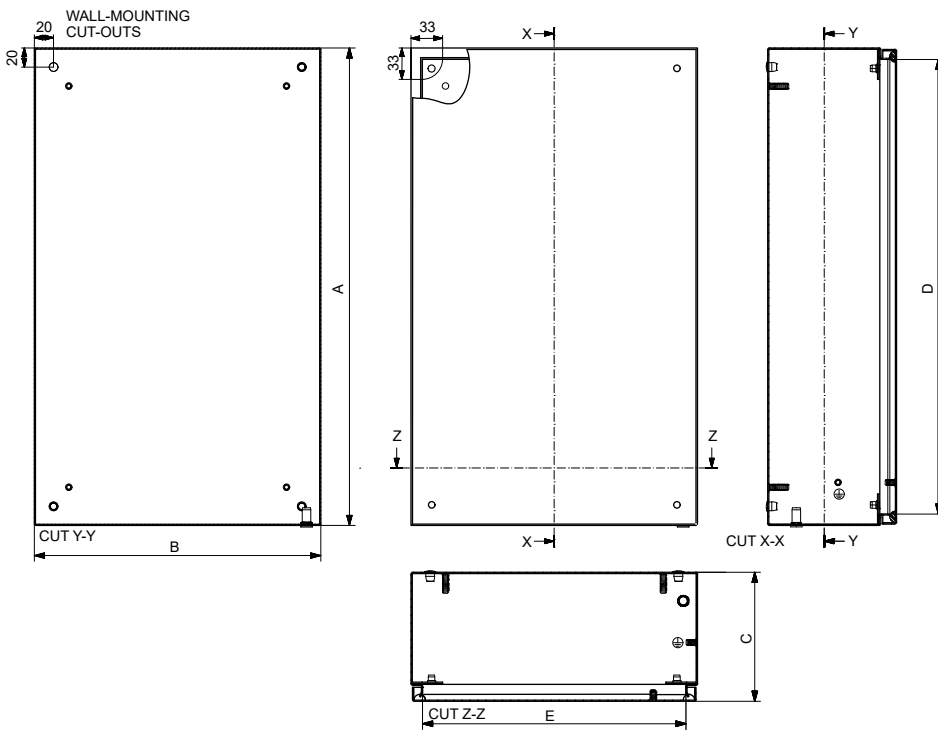




INOX boxes with plain sides

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.

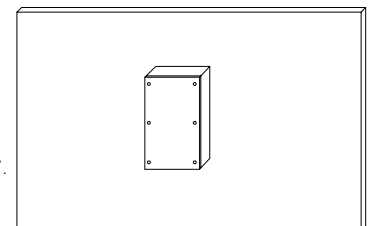
AISI 316L Stainless steel. Scotch 320 satin finish.

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](#).

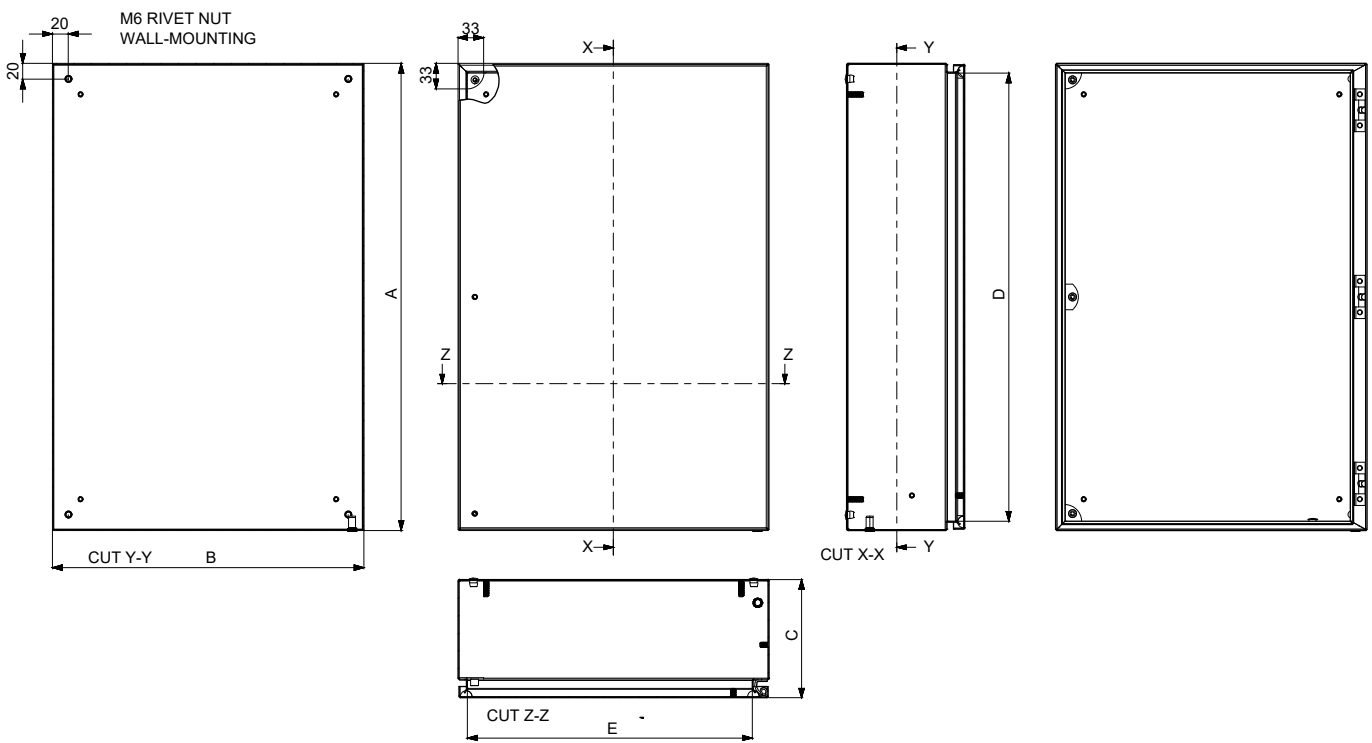




Hinged boxes in stainless steel

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 |

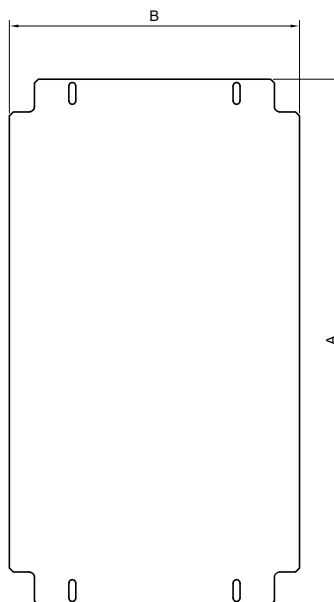
MATERIAL: Plain mounting plate in 2-mm thick galvanised steel.

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 |
| 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 | G |
| | | Zone 20: mist and dust | D |
| | 2. Occasional | Zone 1: gas and vapour | G |
| | | Zone 21: mist and dust | D |
| | 3. Short periods only | Zone 2: gas and vapour | G |
| | | Zone 22: mist and dust | D |

Classification into groups and zones under Directive 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

Gases 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".



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, 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:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 7035 epoxy polyester paint, thickness between 80-120 microns.
- **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.

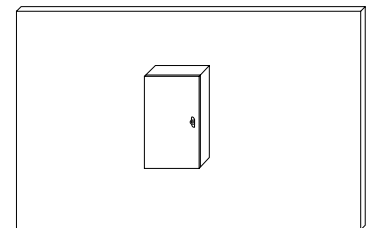
3P: 3-point lock.

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

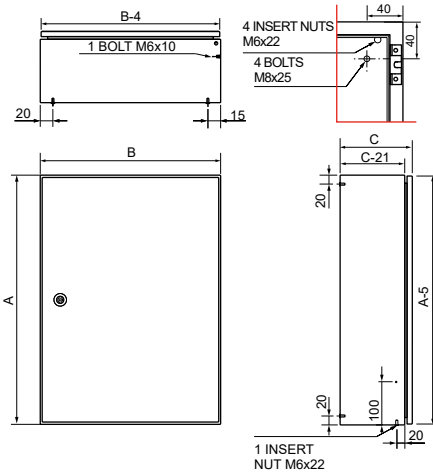
ATEX

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.

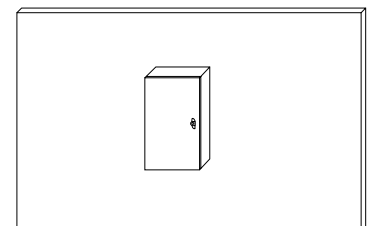
Stainless steel: Scotch 320 satin finish.

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

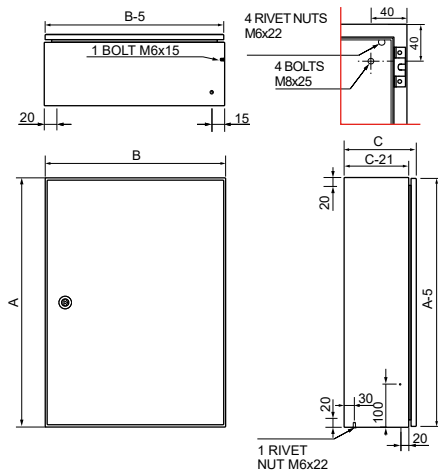
ATEX

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 |

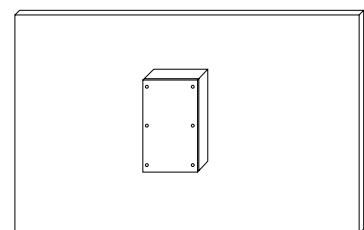
IP66 / NEMA 1, 4, 4x, 12.

AISI 316L Stainless steel. Scotch 320 satin finish.

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".

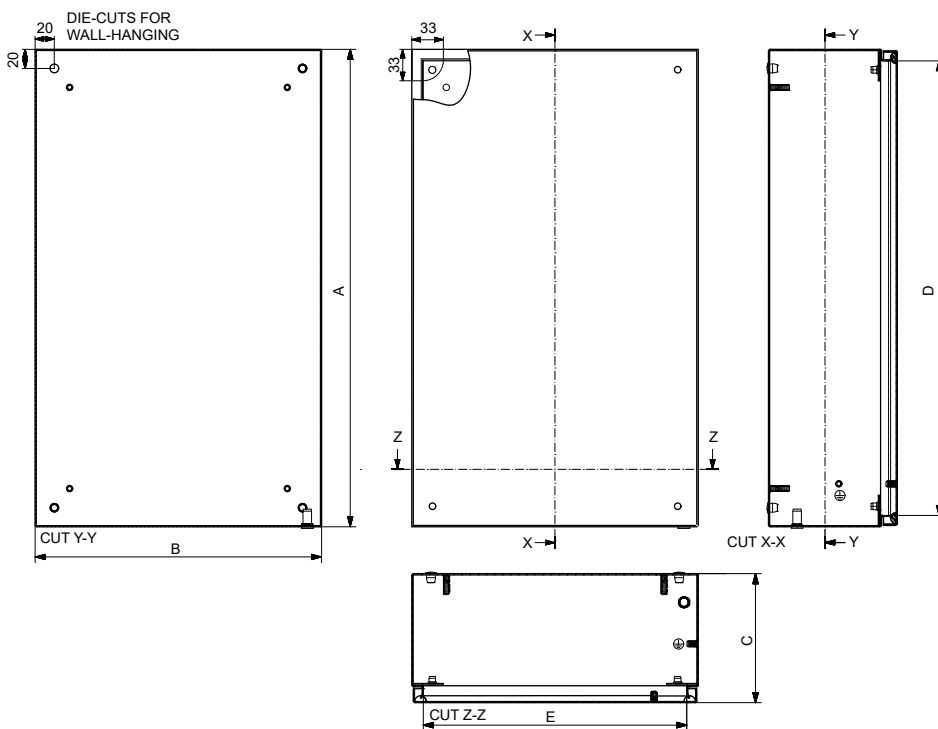




ATEX stainless steel boxes

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 |
| POL302514 | 300x250x140 | 2.5 | 2.7 | 1 | 2 | 248x215 | 1.97 | 16.1 | 20.1 | 24.1 | 28.1 | 32.1 |
| POL403020 | 400x300x200 | 2.8 | 2.8 | 2 | 2 | 338x262 | 3.70 | 27.7 | 34.7 | 41.6 | 48.5 | 55.4 |
| POL404020 | 400x400x200 | 2.8 | 2.8 | 2 | 2 | 338x362 | 4.59 | 33.6 | 42.0 | 50.4 | 58.8 | 67.2 |
| POL504020 | 500x400x200 | 2.8 | 2.8 | 2 | 2 | 438x362 | 5.47 | 40.0 | 50.1 | 60.1 | 70.1 | 80.1 |
| POL604023 | 600x400x230 | 3 | 3 | 2 | 2 | 538x362 | 13.09 | 49.9 | 62.4 | 74.9 | 87.4 | 99.8 |
| POL605023 | 600x500x230 | 3 | 3 | 2 | 2 | 538x462 | 8.21 | 58.1 | 72.6 | 87.1 | 101.6 | 116.1 |
| POL806030 | 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 |
| POL302514PT | 300x250x140 | 2.5 | 2.7 | 1 | 2 | 220x115 | 248x215 | 1.97 | 16.1 | 20.1 | 24.1 | 28.1 | 32.1 |
| POL403020PT | 400x300x200 | 2.8 | 2.8 | 2 | 2 | 281x121 | 338x262 | 3.70 | 27.7 | 34.7 | 41.6 | 48.5 | 55.4 |
| POL404020PT | 400x400x200 | 2.8 | 2.8 | 2 | 2 | 281x221 | 338x362 | 4.59 | 33.6 | 42.0 | 50.4 | 58.8 | 67.2 |
| POL504020PT | 500x400x200 | 2.8 | 2.8 | 2 | 2 | 381x221 | 438x362 | 5.47 | 40.0 | 50.1 | 60.1 | 70.1 | 80.1 |
| POL604023PT | 600x400x230 | 3 | 3 | 2 | 2 | 481x221 | 538x362 | 13.09 | 49.9 | 62.4 | 74.9 | 87.4 | 99.8 |
| POL605023PT | 600x500x230 | 3 | 3 | 2 | 2 | 481x321 | 538x462 | 8.21 | 58.1 | 72.6 | 87.1 | 101.6 | 116.1 |
| POL806030PT | 800x600x300 | 3 | 3 | 2 | 2 | 681x421 | 734x558 | 13.09 | 94.9 | 118.7 | 142.4 | 166.1 | 189.8 |

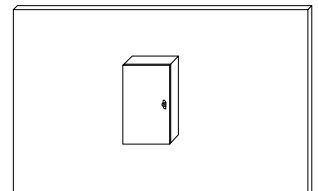
Polyester RAL 7035.

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

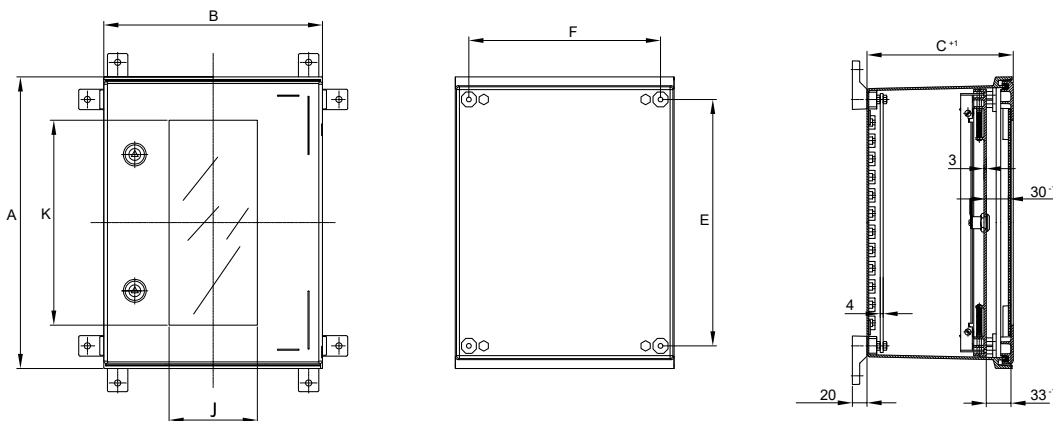


IP66 polyester cabinet
with transparent door

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.

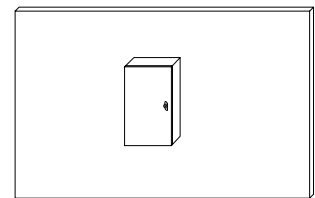
Cabinets supplied without mounting plate.

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".

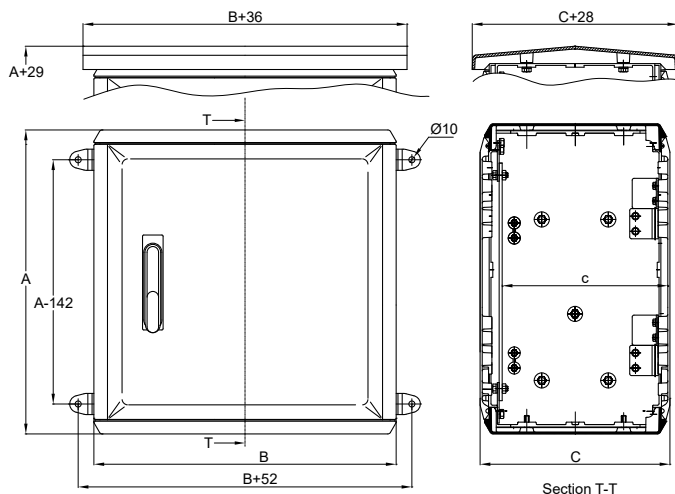
SEE ACCESSORIES ON PAGES 84-85.

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 (AXB) | For cabinet | |
|------------------|---------------------|-------------|-------|
| | | HEIGHT | WIDTH |
| POLYESTER | | | |
| 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.

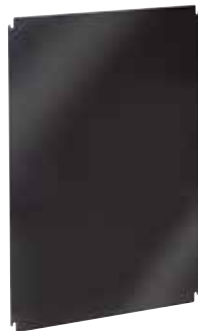


| Reference No. | Dimensions (AXB) | For cabinet | |
|---------------|---------------------|-------------|-------|
| | | HEIGHT | WIDTH |
| METAL | | | |
| PML3025 | 268x213 | 300 | 250 |
| PML4030 | 358x260 | 400 | 300 |
| PML4040 | 358x360 | 400 | 400 |
| PML5040 | 458x360 | 500 | 400 |
| PML6040 | 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.



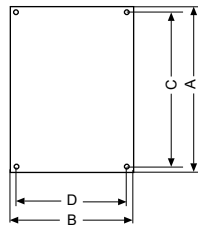
| Reference No. | Dimensions (AXB) | For cabinet | |
|-------------------|---------------------|-------------|-------|
| | | HEIGHT | WIDTH |
| INSULATING | | | |
| PBL3025 | 268x213 | 300 | 250 |
| PBL4030 | 358x260 | 400 | 300 |
| PBL4040 | 358x360 | 400 | 400 |
| PBL5040 | 458x360 | 500 | 400 |
| 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 X WIDTH | HEIGHT |
| 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 | |
|------------------|-----------------------|-------------|-------|
| | | HEIGHT | WIDTH |
| POLYESTER | HEIGHT X 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 | |
|------------------|-----------------------|-----------|-------------|-------|
| | | | HEIGHT | WIDTH |
| METAL | HEIGHT X WIDTH | mm | | |
| 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.



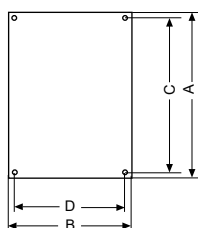
| Reference No. | Description | For cabinet |
|---------------|-----------------------------------|--------------|
| | BASE PLATE ADJUSTMENT PACK | DEPTH |
| 29235 | Base plate adjustment pack 300 | 300 |
| 29236 | Base plate adjustment pack 420 | 420 |

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 |
| ZOC5030/P | 60x500x300 | 500 | 300 |
| ZOC7530/P | 60x750x300 | 750 | 300 |
| ZOC7542/P | 60x750x420 | 750 | 420 |
| ZOC10030/P | 60x1000x300 | 1000 | 300 |
| ZOC10042/P | 60x1000x420 | 1000 | 420 |
| ZOC12530/P | 60x1250x300 | 1250 | 300 |
| ZOC12542/P | 60x1250x420 | 1250 | 420 |

MATERIAL: RAL 7035 polyester.

CHARACTERISTICS: Height of 60 mm.

FOR THE FOLLOWING CABINETS: IP55 Polyester.

Wall-mounting



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

MATERIAL: Galvanised steel.

SUPPLY: Pack includes 4 brackets.

FOR THE FOLLOWING CABINETS: IP55 Polyester.

Locks with handle



Ref. 29241

Ref. 29242

Ref. 29243

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

- 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



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:

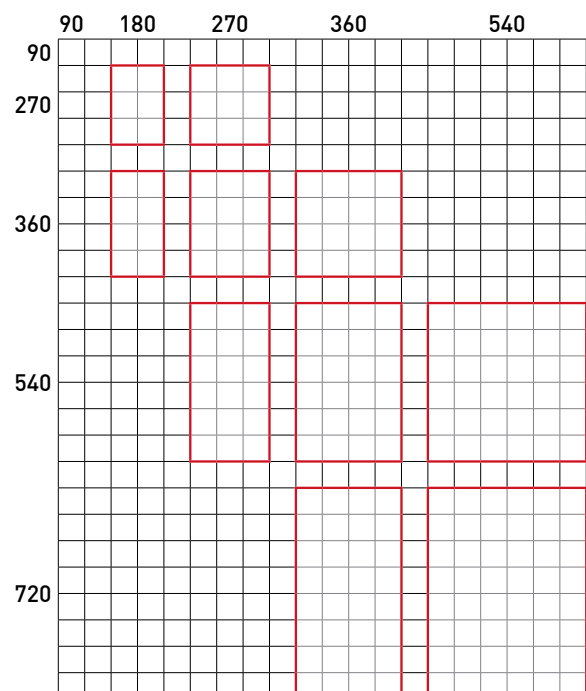
- Halogen-free.
- Non-hygroscopic (zero water absorption).
- Double insulation.
- Corrosion-resistant.
- Alkali-resistant.
- Transparent and opaque lids with ultraviolet (UV) protection.

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](#).



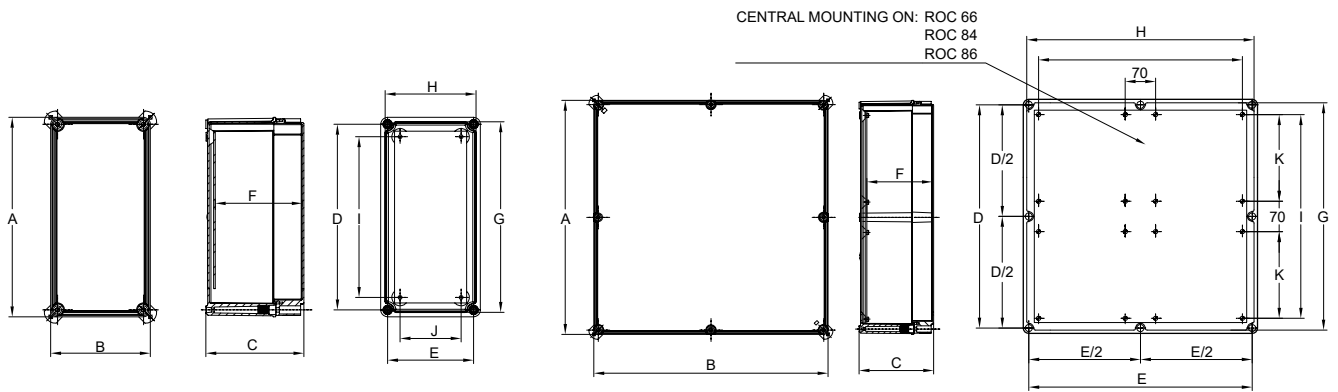
Box with opaque lid



Box with transparent lid

ROC

Dimensions



Mounting plates



| Reference No. | Plate dimensions | Thickness | For box type |
|------------------|-----------------------|-----------|--------------|
| POLYESTER | | | |
| | HEIGHT X WIDTH | mm | |
| PPL32 | 220x130 | 3 | ROC32 |
| PPL33 | 220x220 | 3 | ROC33 |
| PPL34 | 220x310 | 3 | ROC34 |
| PPL42 | 310x130 | 3 | ROC42 |
| PPL44 | 310x310 | 3 | ROC44 |
| PPL63 | 490x220 | 4 | ROC63 |
| PPL64 | 490x310 | 4 | ROC64 |
| PPL66 | 490x490 | 4 | ROC66 |
| PPL84 | 670x310 | 4 | ROC84 |
| PPL86 | 670x490 | 4 | ROC86 |
| BAKELITE | | | |
| | HEIGHT X WIDTH | mm | |
| PBL32 | 220x130 | 4 | ROC32 |
| PBL33 | 220x220 | 4 | ROC33 |
| PBL34 | 220x310 | 4 | ROC34 |
| PBL42 | 310x130 | 4 | ROC42 |
| PBL44 | 310x310 | 4 | ROC44 |
| PBL63 | 490x220 | 4 | ROC63 |
| PBL64 | 490x310 | 4 | ROC64 |
| PBL66 | 490x490 | 4 | ROC66 |
| PBL84 | 670x310 | 4 | ROC84 |
| PBL86 | 670x490 | 4 | ROC86 |
| METAL | | | |
| | HEIGHT X WIDTH | mm | |
| 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 (I_e):**
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)

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

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

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

Material

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

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 µ, 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, thickness between 80-120 microns.
- **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 |
| BIG1656040PO | 1650x600x400 | PO | 370x310 | 96.00 | 320.1 | 400.1 | 480.2 | 560.2 | 640.2 |
| BIG1658040PO | 1650x800x400 | PO | 570x310 | 116.00 | 383.2 | 479.1 | 574.9 | 670.7 | 766.5 |
| BIG16510040PO | 1650x1000x400 | PO | 770x310 | 133.00 | 446.4 | 558.0 | 669.6 | 781.2 | 892.8 |
| BIG1806040PO | 1800x600x400 | PO | 370x310 | 105.00 | 345.8 | 432.3 | 518.8 | 605.2 | 691.7 |
| BIG1808040PO | 1800x800x400 | PO | 570x310 | 120.00 | 413.6 | 517.0 | 620.4 | 723.8 | 827.2 |
| BIG1808050PO | 1800x800x500 | PO | 570x410 | 127.00 | 461.6 | 577.0 | 692.3 | 807.7 | 923.1 |
| BIG18010040PO | 1800x1000x400 | PO | 770x310 | 147.00 | 481.4 | 601.7 | 722.0 | 842.4 | 962.7 |
| BIG18010050PO | 1800x1000x500 | PO | 770x410 | 151.00 | 532.4 | 665.5 | 798.6 | 931.7 | 1064.8 |
| BIG2006040PO | 2000x600x400 | PO | 370x310 | 107.00 | 380.2 | 475.2 | 570.2 | 665.3 | 760.3 |
| BIG2008040PO | 2000x800x400 | PO | 570x310 | 137.00 | 454.1 | 567.6 | 681.1 | 794.6 | 908.2 |
| BIG2008050PO | 2000x800x500 | PO | 570x410 | 146.00 | 506.0 | 632.5 | 759.0 | 885.5 | 1012.0 |
| BIG20010040PO | 2000x1000x400 | PO | 770x310 | 167.00 | 528.0 | 660.0 | 792.0 | 924.0 | 1056.0 |
| BIG20010050PO | 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 |
| BIG16510040POD | 1650x1000x400 | PO | 770x310 | 138.00 | 446.4 | 558.0 | 669.6 | 781.2 | 892.8 |
| BIG16512040POD | 1650x1200x400 | PO | 970x310 | 157.00 | 509.5 | 636.9 | 764.3 | 891.7 | 1019.0 |
| BIG18010040POD | 1800x1000x400 | PO | 770x310 | 148.00 | 481.4 | 601.7 | 722.0 | 842.4 | 962.7 |
| BIG18010050POD | 1800x1000x500 | PO | 770x410 | 157.00 | 532.4 | 665.5 | 798.6 | 931.7 | 1064.8 |
| BIG18012040POD | 1800x1200x400 | PO | 970x310 | 173.00 | 549.1 | 686.4 | 823.7 | 961.0 | 1098.2 |
| BIG18012050POD | 1800x1200x500 | PO | 970x410 | 178.00 | 603.2 | 754.1 | 904.9 | 1055.7 | 1206.5 |
| BIG20010040POD | 2000x1000x400 | PO | 770x310 | 163.00 | 528.0 | 660.0 | 792.0 | 924.0 | 1056.0 |
| BIG20010050POD | 2000x1000x500 | PO | 770x410 | 174.00 | 583.0 | 728.8 | 874.5 | 1020.3 | 1166.0 |
| BIG20012040POD | 2000x1200x400 | PO | 970x310 | 191.00 | 601.9 | 752.4 | 902.9 | 1053.4 | 1203.8 |
| BIG20012050POD | 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.

For special cabinets, check availability of UL certificate.

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

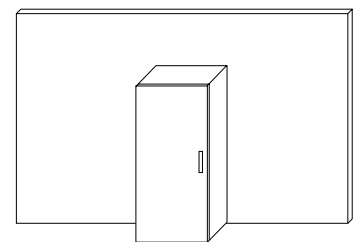
** An interior double lock is needed to achieve IP55 protection.

(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° . 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)

Standard:

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

Supply

- 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

- **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

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

Finish

- 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 |
| BIG1656040PO/INX | 1650x600x400 | PO | 300x200 | 96.00 | 320.1 | 400.1 | 480.2 | 560.2 | 640.2 |
| BIG1658040PO/INX | 1650x800x400 | PO | 500x200 | 104.00 | 383.2 | 479.1 | 574.9 | 670.7 | 766.5 |
| BIG16510040PO/INX | 1650x1000x400 | PO | 700x200 | 133.00 | 446.4 | 558.0 | 669.6 | 781.2 | 892.8 |
| BIG1806040PO/INX | 1800x600x400 | PO | 300x200 | 89.00 | 345.8 | 432.3 | 518.8 | 605.2 | 691.7 |
| BIG1808040PO/INX | 1800x800x400 | PO | 500x200 | 123.00 | 413.6 | 517.0 | 620.4 | 723.8 | 827.2 |
| BIG1808050PO/INX | 1800x800x500 | PO | 500x300 | 127.00 | 461.6 | 577.0 | 692.3 | 807.7 | 923.1 |
| BIG18010040PO/INX | 1800x1000x400 | PO | 700x200 | 150.00 | 481.4 | 601.7 | 722.0 | 842.4 | 962.7 |
| BIG18010050PO/INX | 1800x1000x500 | PO | 700x300 | 151.00 | 532.4 | 665.5 | 798.6 | 931.7 | 1064.8 |
| BIG2006040PO/INX | 2000x600x400 | PO | 300x200 | 107.00 | 380.2 | 475.2 | 570.2 | 665.3 | 760.3 |
| BIG2008040PO/INX | 2000x800x400 | PO | 500x200 | 131.00 | 454.1 | 567.6 | 681.1 | 794.6 | 908.2 |
| BIG2008050PO/INX | 2000x800x500 | PO | 500x300 | 165.00 | 506.0 | 632.5 | 759.0 | 885.5 | 1012.0 |
| BIG20010040PO/INX | 2000x1000x400 | PO | 700x200 | 174.00 | 528.0 | 660.0 | 792.0 | 924.0 | 1056.0 |
| BIG20010050PO/INX | 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.

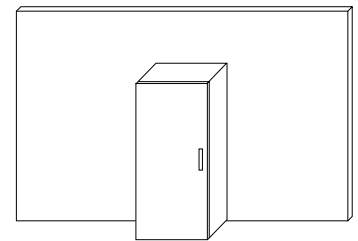
For special cabinets, check availability of UL certificate.

* 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 [PAGE 105](#).

SEE ACCESSORIES ON [PAGE 104](#).

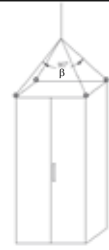


Maximum acceptable loads

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° .
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 |
| | HEIGHT X WIDTH X DEPTH | | |
| INXZCLB6040 | 100x600x400 | 600 | 400 |
| INXZCLB8040 | 100x800x400 | 800 | 400 |
| INXZCLB8050 | 100x800x500 | 800 | 500 |
| INXZCLB10040 | 100x1000x400 | 1000 | 400 |
| INXZCLB10050 | 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 |
|--------------|-------------------------------------|
| 48568 | Lock with handle in zamak |
| 48569 | Lock with handle in stainless steel |

Insert not included.

| | |
|--------------|--------------------------------------|
| 48574 | Insert lock in zamak 5 mm double bar |
|--------------|--------------------------------------|

Hinges and retainer



Ref. 48575

| Reference | Description |
|--------------|--------------------------------------|
| 48575 | 120° standard hinges (4-pieces pack) |
| 48576 | Lock retainer (4-pieces pack) |

Rods for locks

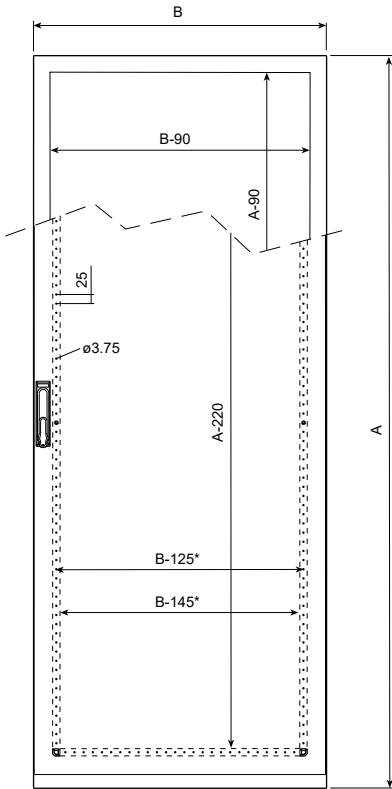


| Reference | Description |
|--------------|-------------------------------------|
| 48560 | Single door rod 1650-1800 mm height |
| 48561 | Single door rod 2000 mm height |
| 48577 | Control of rods in zamak |

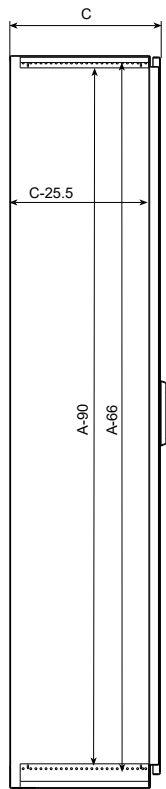
Dimensions: Argenta Plus compact

Stainless steel

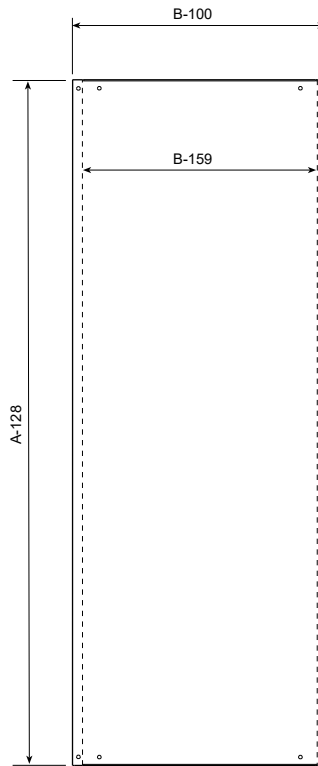
Front



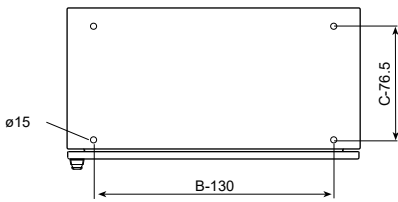
Side section



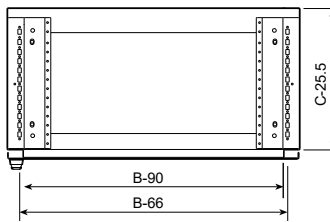
Mounting plate



Ground plan



Ground plan section



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

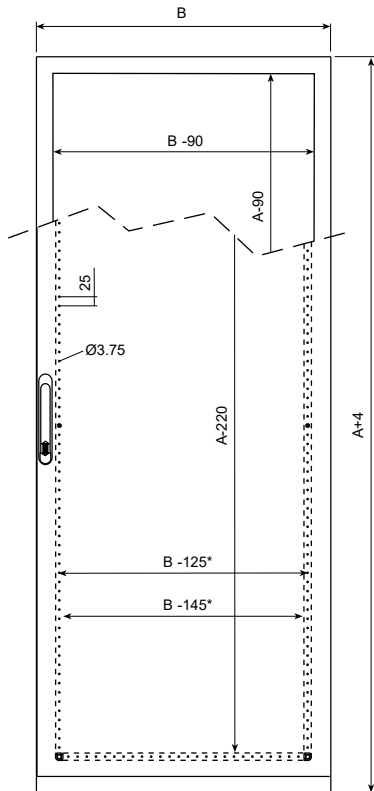
ARGENTA PLUS COMPACT (BIG)

IP55-IP65 steel floor-standing compact cabinets

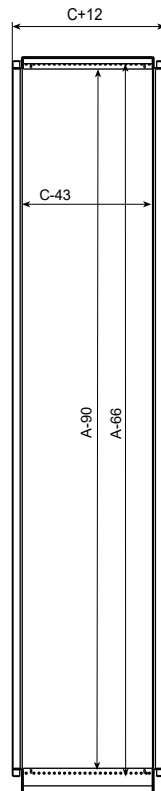
Dimensions: Argenta Plus compact

Single door

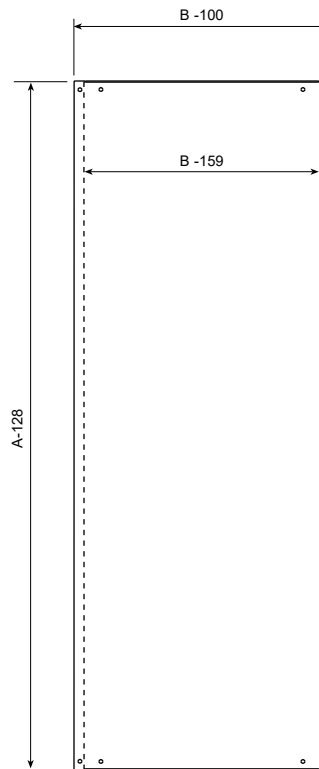
Front



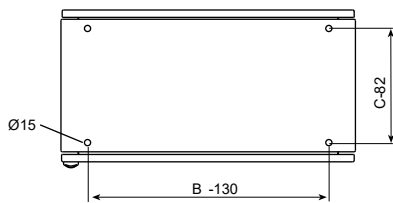
Side section



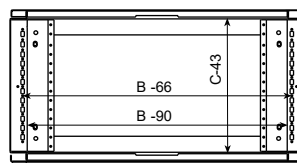
Mounting plate



Ground plan



Ground plan section

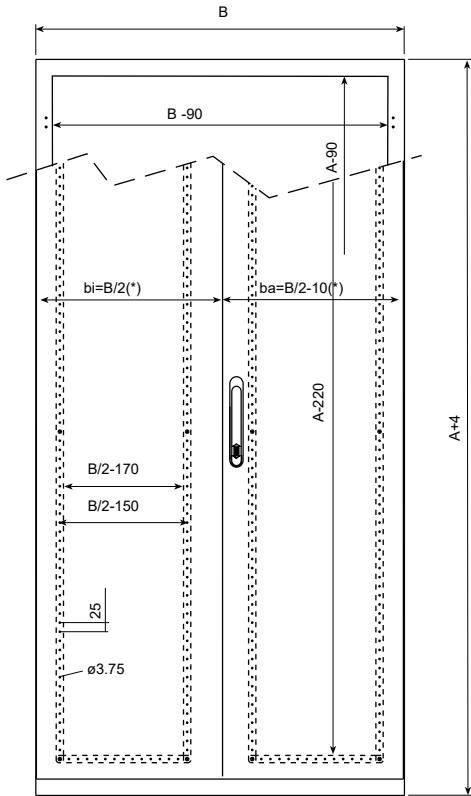


* For B=600 change to B-150
B-170

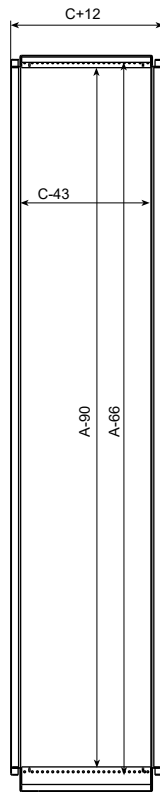
Dimensions: Argenta Plus compact

Double door

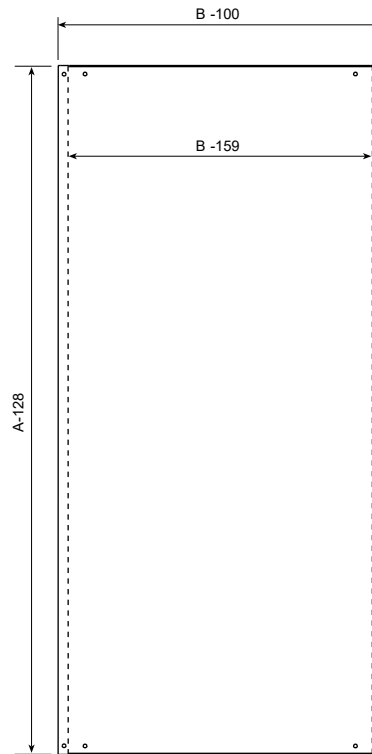
Front



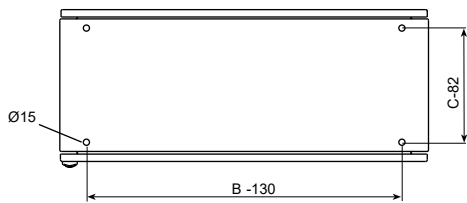
Side section



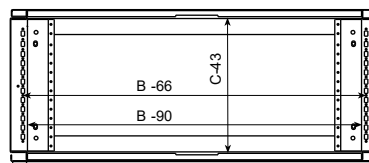
Mounting plate



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, 80-120 µ, 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, thickness between 80-120 microns.
- **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 WIDTH X DEPTH X HEIGHT X WIDTH | Weight | | Power dissipation according to temperature increase °C P(W)** | | | | |
|------------------|-----------------------|------|----|-------------|---|--------|--------|---|-------|-------|--------|--------|
| | | | | | | PO | PT | 20 | 25 | 30 | 35 | 40 |
| 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 WIDTH X DEPTH X HEIGHT X WIDTH | Weight | | Power dissipation according to temperature increase °C P(W)** | | | | |
|------------------|-----------------------|------|----|-------------|---|--------|--------|---|--------|--------|--------|--------|
| | | | | | | PO | PT | 20 | 25 | 30 | 35 | 40 |
| 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.

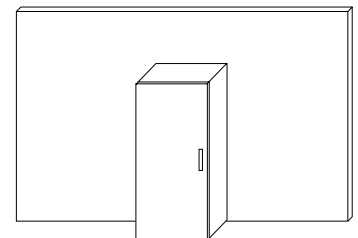
Insulation kit



Reference No. Description

48690 IP65 Insulation kit

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



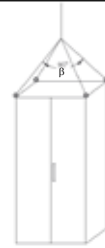


Maximum acceptable loads

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° .
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

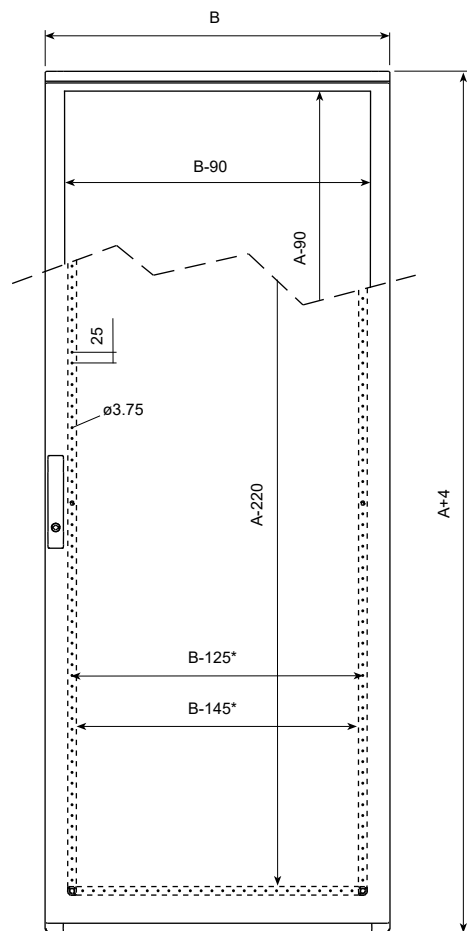
ARGENTA PLUS SEMI-COMPACT (FSC)

IP55-IP65 steel floor-standing semi-compact cabinets

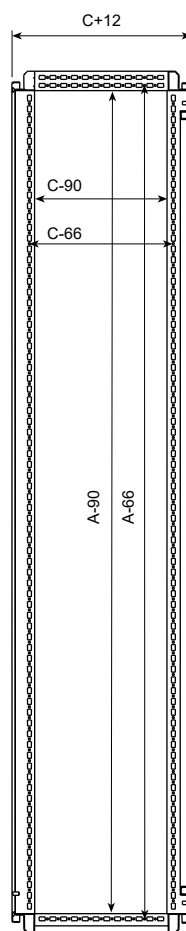
Dimensions: Argenta Plus semi-compact

Single door

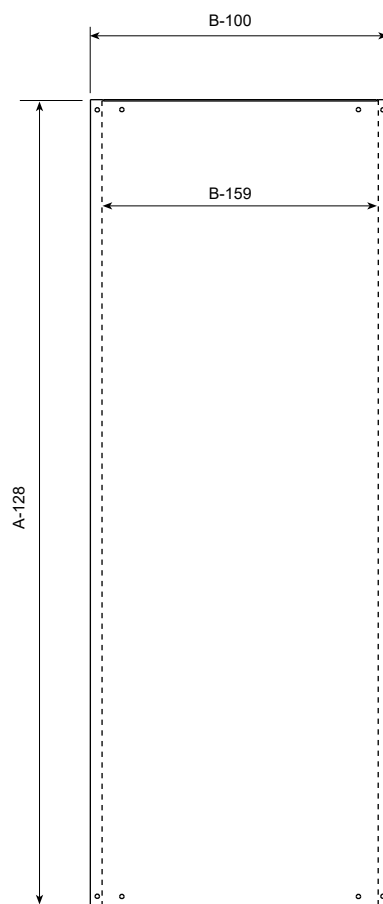
Front



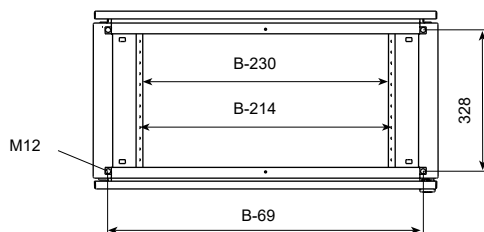
Side section



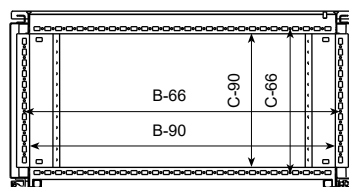
Mounting plate



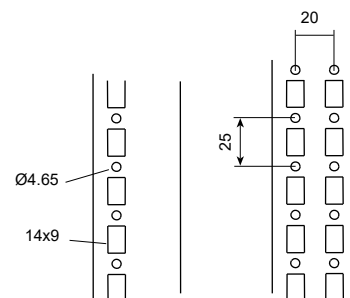
Ground plan



Ground plan section



Profile



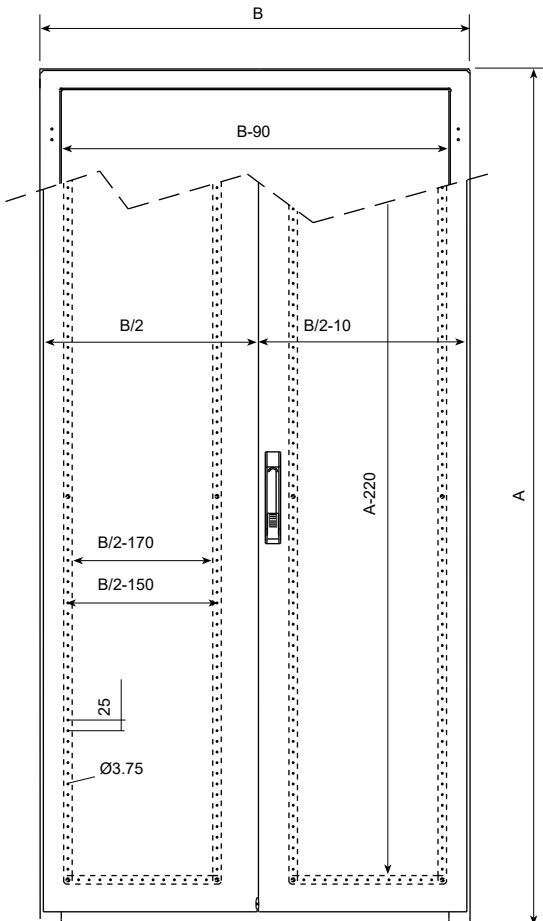
* For B=600, change to B-150
B-170



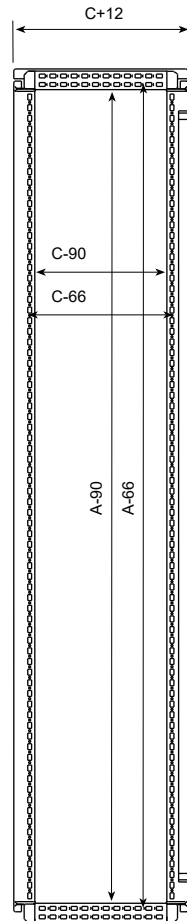
Dimensions: Argenta Plus semi-compact

Double door

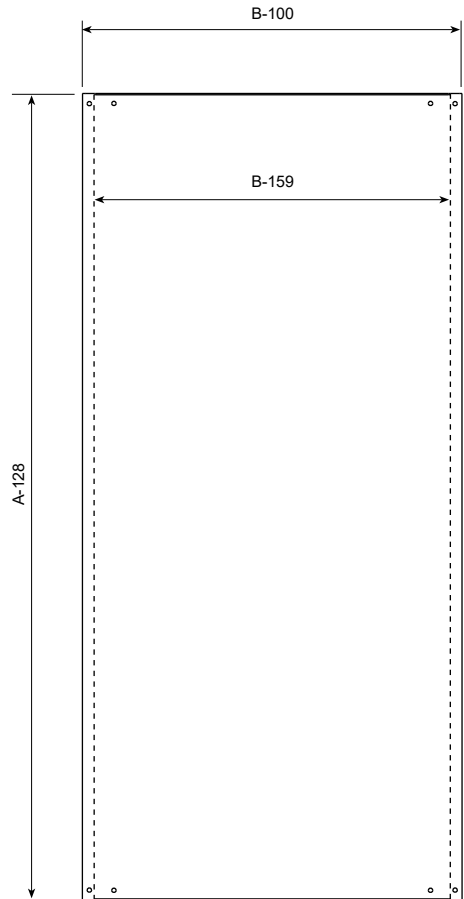
Front



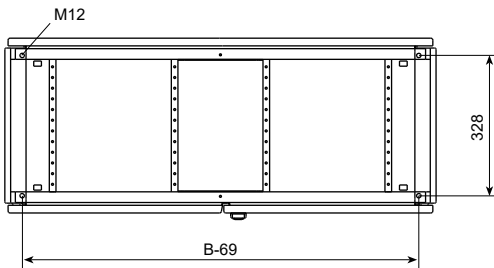
Side section



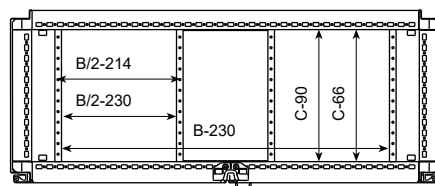
Mounting plate



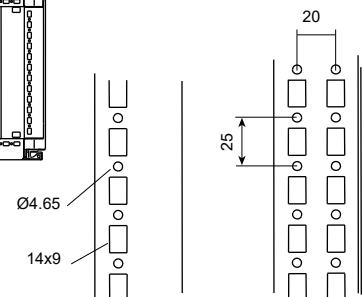
Ground plan



Ground plan section



Profile



ARGENTA PLUS COMBINABLE (ENL)

IP55 steel floor-standing combinable cabinets



* Plinth supplied as accessory.

Product series

- 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

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 bigsize cabinets. (See references on page 118-120).

Different joining possibilities in order to achieve large-sized structures

Material

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

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 μ , 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, thickness between 80-120 microns.
- **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



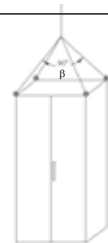
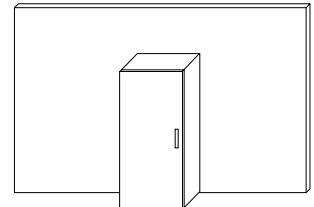
Transparent door combinable cabinet



Opaque double door combinable cabinet



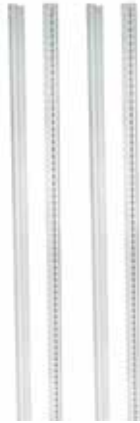
Transp. double door combinable cabinet



ARGENTA PLUS COMBINABLE (ENL)

IP55 steel floor-standing combinable cabinets

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



| Reference No. | For cabinet | Pack |
|---------------|-------------|---------|
| HEIGHT | | |
| PV1650 | 1650 | 4 Units |
| PV1800 | 1800 | 4 Units |
| PV2000 | 2000 | 4 Units |
| PV2200 | 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 |
| PSI3040 | 300 | 400 |
| PSI3050 | 300 | 500 |
| PSI3060 | 300 | 600 |
| PSI3080 | 300 | 800 |
| PSI4040 | 400 | 400 |
| PSI4050 | 400 | 500 |
| PSI4060 | 400 | 600 |
| PSI4080 | 400 | 800 |
| PSI6040 | 600 | 400 |
| PSI6050 | 600 | 500 |
| PSI6060 | 600 | 600 |
| PSI6080 | 600 | 800 |
| PSI60100 | 600 | 1000 |
| PSI8040 | 800 | 400 |
| PSI8050 | 800 | 500 |
| PSI8060 | 800 | 600 |
| PSI8080 | 800 | 800 |
| PSI80100 | 800 | 1000 |
| PSI10040 | 1000 | 400 |
| PSI10050 | 1000 | 500 |
| PSI10060 | 1000 | 600 |
| PSI10080 | 1000 | 800 |
| PSI12040 | 1200 | 400 |
| PSI12050 | 1200 | 500 |
| PSI12060 | 1200 | 600 |
| PSI12080 | 1200 | 800 |
| PSI16040 | 1600 | 400 |
| PSI16050 | 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.

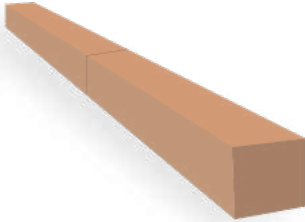
Double opaque symmetrical doors



| 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



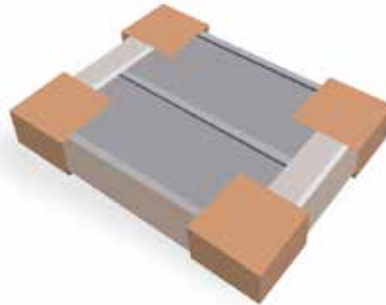
PACK 1: VERTICAL UPRIGHTS

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.



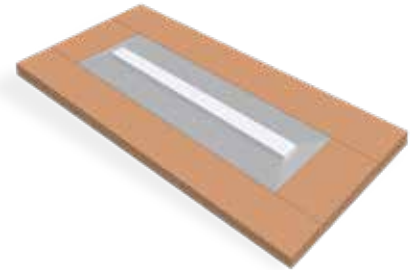
PACK 2: BOTTOM AND TOP FRAMES

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.



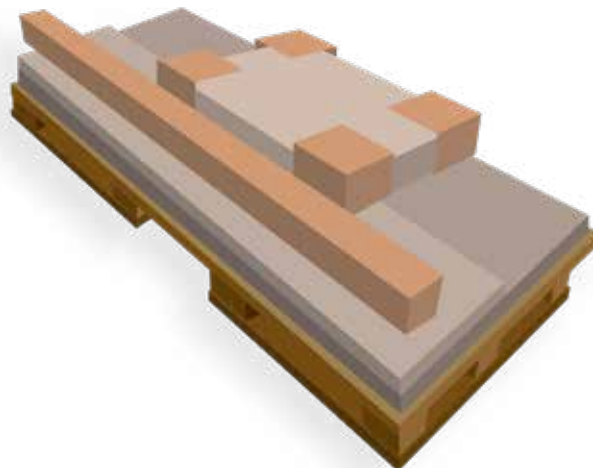
PACK 5: DOORS

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.



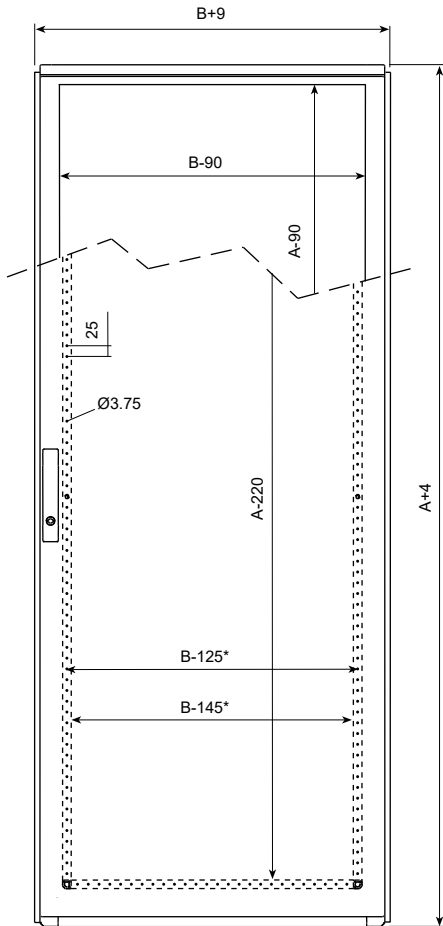
ARGENTA PLUS COMBINABLE (ENL)

IP55 steel floor-standing combinable cabinets

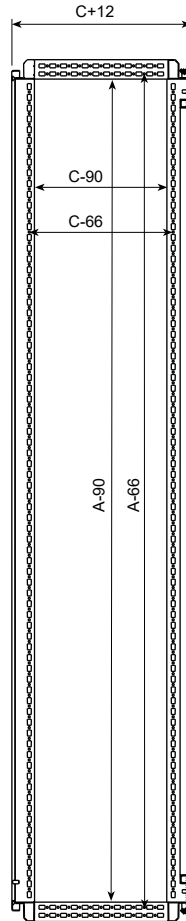
Dimensions: Argenta Plus Combinable

Single door

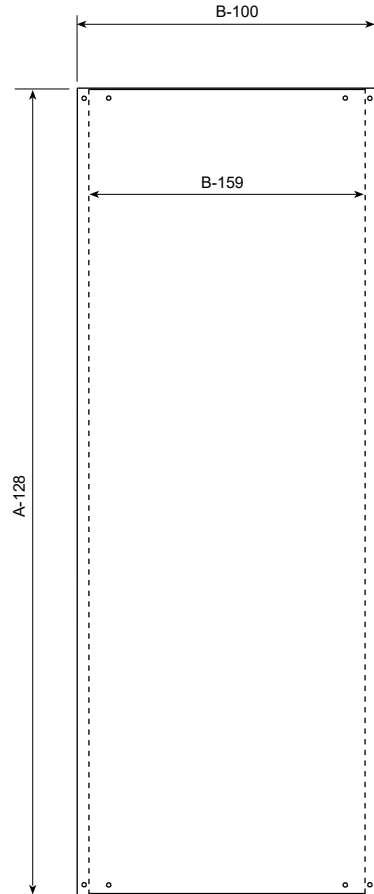
Front



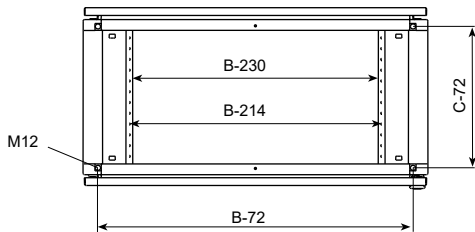
Side section



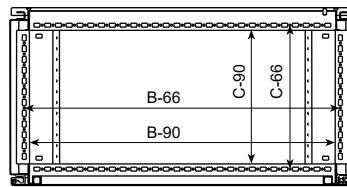
Mounting plate



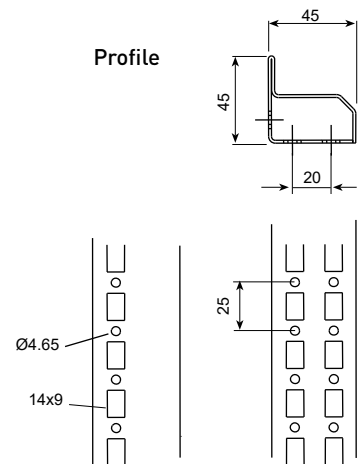
Ground plan



Ground plan section



Profile



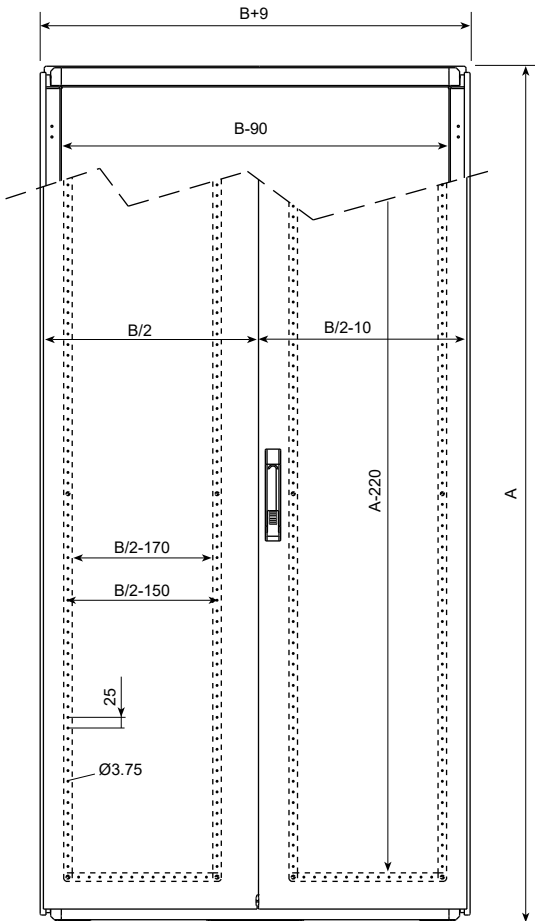
* For B=600, change to B-150
B-170



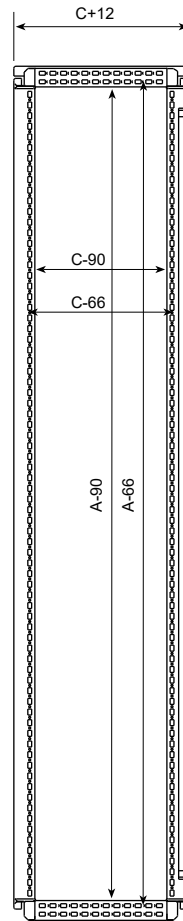
Dimensions: Argenta Plus Combinable

Double door

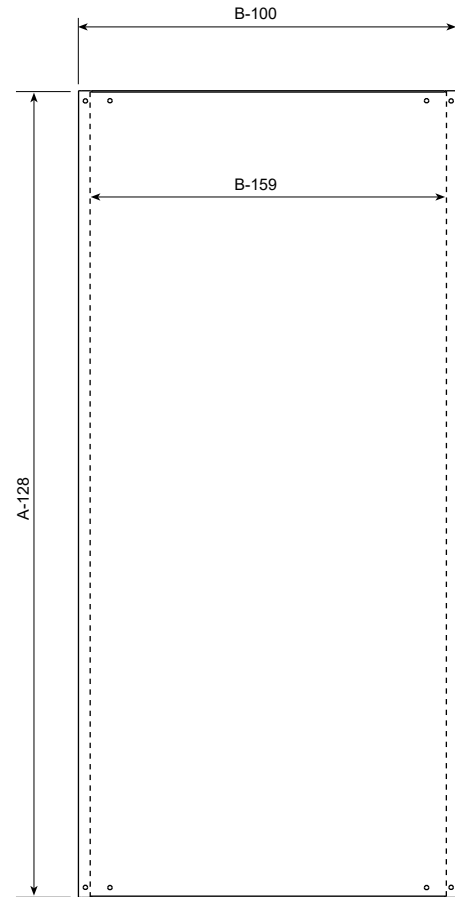
Front



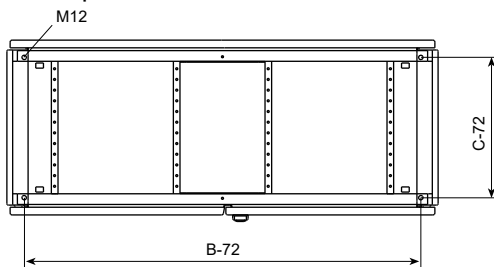
Side section



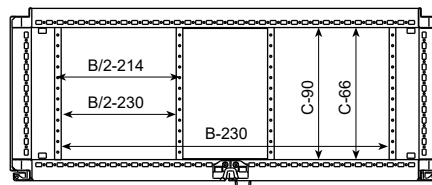
Mounting plate



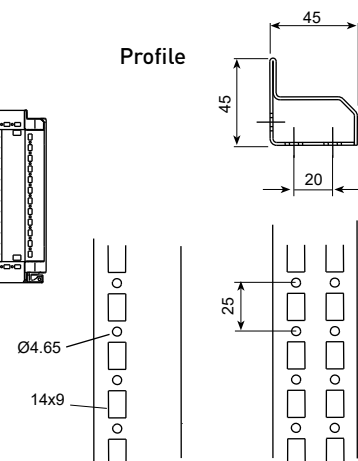
Ground plan



Ground plan section



Profile



ARGENTA PLUS

IP55 PC Control cabinet

IP55 PC control cabinet



| Reference No. | Dimensions | Cable entry |
|----------------------------|-------------------------------|----------------------|
| | HEIGHT X WIDTH X DEPTH | WIDTH X DEPTH |
| TRANS. DISPLAY DOOR | | |
| ENLPC1656060 | 1650x600x600 | 370x510 |
| ENLPC1656080 | 1650x600x800 | 370x710 |
| | | |
| OPAQUE DISPLAY DOOR | | |
| ENLPC1656060/PMO | 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 | |
|----------------|----------------------|--------------|--------------|
| | WIDTH X DEPTH | WIDTH | DEPTH |
| BNF6040 | 600x320 | 600 | 400 |
| BNF6060 | 600x520 | 600 | 600 |
| BNF6080 | 600x720 | 600 | 800 |

MATERIAL: Galvanised steel.

CHARACTERISTICS: Trays that are secured to the bottom of the PC control cabinet for holding CPU, printers, etc. 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 |
|------------------|---------------------------------|----------------|
| PMR19/10U | 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 |
|---------------|---|
| 48526 | 2.5 slotted 1/4 turn lock (2-piece pack) |
| 48527 | 1/4 turn lock with wing nut without key (2-piece pack) |
| 48528 | 1/4 turn lock with wing nut with key code 2233 (2-piece pack) |

MATERIAL: Zamak.

CHARACTERISTICS: Locks for fitting to PC control cabinets.

SUPPLY: Pack of two pieces per reference.

Wall-mounted enclosures for assembled and wired power sockets



| Reference No. | No. of modules | Weight KG | Components | | | | | | |
|---------------|----------------|-----------|------------|---------------------|----|-------|-------|-------------|--|
| | | | No. | Description | IP | Poles | I (A) | Voltage (V) | |
| SV4100 | 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 1600-mm wide plates consist of an assembly of two 750-mm plates joined together. The PLC-type linking plates can be assembled in units consisting of two or more cabinets (see page 127).

* It includes 4 adjustable supports for installation.

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 |  Ref. 48473 | 48471 | Total plate assembly supports (4-piece pack) |
| | | 48473 | Total plate central support (2-piece pack) |
|  Ref. 48472 |  Ref. 48419 | 48472 | Partial plate assembly supports (4-piece pack) |
| | | 48419 | Separation plate assembly supports (4-piece pack) |
|  Ref. 48474 | | 48474 | Linking plate assembly supports (2-piece pack) |



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

Connection packs for combinable cabinets

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


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

Connection and lifting packs

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

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

Wall-mounting pack

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

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

ARGENTA PLUS

IP55-IP65 steel floor-standing cabinets accessories

Insulation joints



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

TRIM JOINT

| | |
|--------------|---|
| 48478 | Corner finishing joint in bright grey (6 m) |
|--------------|---|

MATERIAL: Plasticised PVC.

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

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

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

CABINET CONNECTION JOINTS

| | |
|--------------|------------------------|
| 48479 | Insulation joint (6 m) |
|--------------|------------------------|

| | |
|--------------|---------------------------------|
| 48480 | Adhesive insulation joint (6 m) |
|--------------|---------------------------------|

| | |
|--------------|---|
| 48636 | 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.



Ref. 48479



Ref. 48480



Ref. 48636

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

BRUSHES FOR CABLE ENTRY

| | |
|--------------|-------------------------------|
| 48481 | 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 |
|-------------------|--------------------|
| | FOR CABINET |
| KRS2006040 | ENL2006040 |
| KRS2006060 | ENL2006060 |
| KRS2008060 | ENL2008060 |
| KRS2008080 | 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 |
|-------------------|-----------------------|
| | HEIGHT X WIDTH |
| KRSPL20060 | 2000x600 |
| KRSPL20080 | 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 |
|---------------------|----------------------|
| | WIDTH X DEPTH |
| KRSZCL106040 | 600x400 |
| KRSZCL106060 | 600x600 |
| KRSZCL108060 | 800x600 |
| KRSZCL108080 | 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 |
| BTM165100/P400 | 1450 | 600 | 1650 | 1000 | | |
| BTM165120/P400 | 1450 | 800 | 1650 | 1200 | | |
| BTM180100/P400 | 1600 | 600 | 1800 | 1000 | | |
| BTM180120/P400 | 1600 | 800 | 1800 | 1200 | | |
| BTM200100/P400 | 1800 | 600 | 2000 | 1000 | | |
| BTM200120/P400 | 1800 | 800 | 2000 | 1200 | | |

MATERIAL: RAL 7035 rolled steel.

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

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

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

Lids and DIN rails not included (see references on pages 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 |
| BTM18080/E200 | 1600 | 600 | 1800 | 800 | | |
| BTM180100/E200 | 1600 | 800 | 1800 | 1000 | | |
| BTM20080/E200 | 1800 | 600 | 2000 | 800 | | |
| BTM200100/E200 | 1800 | 800 | 2000 | 1000 | | |
| BTM22080/E200 | 2000 | 600 | 2200 | 800 | | |

MATERIAL: RAL 7035 rolled steel.

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

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

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

Lids and DIN rails not included (see references on pages 134-135).

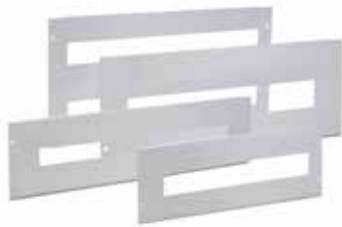
FOR THE FOLLOWING CABINETS: FSC - ENL.



ARGENTA PLUS

IP55-IP65 steel floor-standing cabinets accessories

Lids for modular frame



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



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

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

NEW



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

Lids for modular frame



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

MATERIAL: RAL 7035 rolled steel.

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

FOR THE FOLLOWING CABINETS: FSC - ENL.

Attachment kit + DIN rail (for modular lids)



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

MATERIAL: Galvanised steel.

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

Other types of DIN rail can be supplied as accessories (see page 264).

FOR THE FOLLOWING CABINETS: FSC - ENL.

Vertical trunking support kit



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

MATERIAL: Galvanised steel.

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

Vertical and horizontal trunking supports can be linked together.

Comprises supports plus plain DIN rail.

FOR THE FOLLOWING CABINETS: FSC - ENL.

Horizontal trunking support kit



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

MATERIAL: ABS RAL 7035.

CHARACTERISTICS: Supports for fixing cable distribution trunking horizontally.

Two horizontal trunking fixing positions for separation between 150 or 200 mm DIN rails. Vertical and horizontal trunking supports can be linked together.

SUPPLY: Pack of 2 supports plus fixing screws.

FOR THE FOLLOWING CABINETS: FSC - ENL.

ARGENTA PLUS

IP55-IP65 steel floor-standing cabinets accessories

Corner module



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

MATERIAL: RAL 7035 rolled steel.

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

IP55 degree of protection.

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

FOR THE FOLLOWING CABINETS: ENL.



Auxiliary module



| Reference No. | Dimensions | For cabinet | |
|----------------------|------------------------|-------------|-------|
| | HEIGHT X WIDTH X DEPTH | HEIGHT | DEPTH |
| WIDTH 300 MM. | | | |
| MEX1803040 | 1800x300x400 | 1800 | 400 |
| MEX1803050 | 1800x300x500 | 1800 | 500 |
| MEX1803060 | 1800x300x600 | 1800 | 600 |
| MEX1803080 | 1800x300x800 | 1800 | 800 |
| MEX2003040 | 2000x300x400 | 2000 | 400 |
| MEX2003050 | 2000x300x500 | 2000 | 500 |
| MEX2003060 | 2000x300x600 | 2000 | 600 |
| MEX2003080 | 2000x300x800 | 2000 | 800 |
| MEX2203060 | 2200x300x600 | 2200 | 600 |
| MEX2203080 | 2200x300x800 | 2200 | 800 |
| WIDTH 400 MM. | | | |
| 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 | |
|--------------------------------------|--|---------------------|
| | HEIGHT | WIDTH |
| FIXED BLANKING COVERS 300 MM. | | |
| TCF3030 | 300 | 300 |
| TCF4030 | 400 | 300 |
| TCF6030 | 600 | 300 |
| TCF16030 | 1600 | 300 |
| TCF18030 | 1800 | 300 |
| FIXED BLANKING COVERS 400 MM. | | |
| TCF3040 | 300 | 400 |
| TCF4040 | 400 | 400 |
| TCF6040 | 600 | 400 |
| TCF16040 | 1600 | 400 |
| TCF18040 | 1800 | 400 |
| Reference No. | Description | Dimensions |
| UPPER-LOWER COVER | | HEIGHTXWIDTH |
| 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 |
| UPPER-LOWER | HEIGHT X WIDTH X DEPTH | | |
| 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 |
| UPPER-LOWER | HEIGHT X WIDTH X DEPTH | | |
| CE404060 | 400x400x600 | 400 | 600 |
| CE404080 | 400x400x800 | 400 | 800 |
| CE406060 | 400x600x600 | 600 | 600 |
| CE406080 | 400x600x800 | 600 | 800 |
| CE408060 | 400x800x600 | 800 | 600 |
| CE408080 | 400x800x800 | 800 | 800 |
| CE4010060 | 400x1000x600 | 1000 | 600 |
| CE4010080 | 400x1000x800 | 1000 | 800 |
| CE4012060 | 400x1200x600 | 1200 | 600 |
| CE4012080 | 400x1200x800 | 1200 | 800 |

| Reference No. | Description | For cabinet |
|--------------------|-----------------------------------|-------------|
| | | DEPTH |
| SIDE PANELS | | |
| 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 | |
|-----------------|----------------|-------------|-------|
| | | HEIGHT | WIDTH |
| BP19/36U | 36 U | 1800 | 800 |
| BP19/40U | 40 U | 2000 | 800 |
| BP19/45U | 45 U | 2200 | 800 |

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

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

Retainer to keep the frame in the open position.

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

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

Maximum load: 100 kg.

These references will be supplied assembled in the correspondent cabinet.

The complete Cabinet + frame set can be ordered (see ENLBP references on page 141).

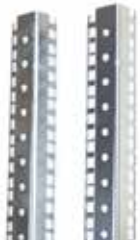
FOR THE FOLLOWING CABINETS: ENL.



ARGENTA PLUS

IP55-IP65 steel floor-standing cabinets accessories

Fixed frame for 19" rack



| Reference No. | Assembly units | For cabinet | |
|-----------------------------|----------------|-------------|---------|
| | | HEIGHT | WIDTH |
| FIXED FRAME PROFILES | | | |
| BF19/38U | 38 U | 1800 | 600/800 |
| BF19/42U | 42 U | 2000 | 600/800 |
| BF19/47U | 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 |
|-----------------------|---|
| FIXING BRACKET | |
| SBF19 | Fixing bracket for fixed 19" frame (2-piece pack) |

MATERIAL: Galvanised steel.

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

Order only for cabinets with a width of 800 mm.

SUPPLY: 2-bracket pack.



| Reference No. | Description |
|-----------------------|--------------------------------------|
| FINISHING LIDS | |
| EBF19/38U | 19" finishing lid 38U (4-piece pack) |
| EBF19/42U | 19" finishing lid 42U (4-piece pack) |
| EBF19/47U | 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 |
|------------------------|----------------|
| BLANKING COVERS | |
| TCB1U | 1 U |
| TCB2U | 2 U |
| TCB3U | 3 U |
| TCB4U | 4 U |
| TCB6U | 6 U |
| TCB9U | 9 U |
| TCB10U | 10 U |
| TCB12U | 12 U |

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

MATERIAL: RAL 7035 rolled steel.

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 |
|-----------------------|---------------|--------------|
| 200-MM PLINTHS | | |
| | HEIGHT | WIDTH |
| 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 |
|-----------------------|---------------|--------------|
| 100-MM PLINTHS | | |
| | HEIGHT | WIDTH |
| ZCL1030 | 100 | 300 |
| ZCL1040 | 100 | 400 |
| ZCL1050 | 100 | 500 |
| ZCL1060 | 100 | 600 |
| ZCL1080 | 100 | 800 |
| ZCL10100 | 100 | 1000 |
| ZCL10120 | 100 | 1200 |
| ZCL10160 | 100 | 1600 |

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



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

MATERIAL: RAL 7016 painted sheet steel.

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

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 |
|-----------------------|---------------|--------------|
| 100-MM PLINTHS | | |
| | HEIGHT | DEPTH |
| TLZCL1040 | 100 | 400 |
| TLZCL1050 | 100 | 500 |
| TLZCL1060 | 100 | 600 |
| TLZCL1080 | 100 | 800 |
| TLZCL10100 | 100 | 1000 |

| | | |
|-----------------------|---------------|--------------|
| 200-MM PLINTHS | | |
| | HEIGHT | DEPTH |
| 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 |
|-----------------------|--------------|----------|
| FOR MOD. FRAME | | |
| | DEPTH | |
| PMB400 | 400 | 2 pieces |
| PMB500 | 500 | 2 pieces |
| PMB600 | 600 | 2 pieces |
| PMB800 | 800 | 2 pieces |
| PMB1000 | 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 |
|-------------------------|----------------------|----------|
| OUTSIDE ASSEMBLY | | |
| | WIDTH / DEPTH | |
| PME400 | 400 | 2 pieces |
| PME500 | 500 | 2 pieces |
| PME600 | 600 | 2 pieces |
| PME800 | 800 | 2 pieces |
| PME1000 | 1000 | 2 pieces |
| PME1200 | 1200 | 2 pieces |

| | | |
|----------------|---------------|----------|
| | HEIGHT | |
| PME1650 | 1650 | 2 pieces |
| PME1800 | 1800 | 2 pieces |
| PME2000 | 2000 | 2 pieces |

MATERIAL: Galvanised steel with a thickness of 1.5 mm.

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

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

Maximum load: Profiles from 400 to 1200: 210 kg. Profiles from 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 |
|------------------------------------|----------------------|----------|
| REINFORCED OUTSIDE ASSEMBLY | | |
| | WIDTH / DEPTH | |
| PMER400 | 400 | 2 pieces |
| PMER500 | 500 | 2 pieces |
| PMER600 | 600 | 2 pieces |
| PMER800 | 800 | 2 pieces |
| PMER1000 | 1000 | 2 pieces |
| PMER1200 | 1200 | 2 pieces |
| PMER1600 | 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 |
|--------------------------------|-------------|----------|
| OUTSIDE SIMPLE ASSEMBLY | | |
| WIDTH / DEPTH | | |
| 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 |
|--------------------------|-------------|----------|
| INTERIOR ASSEMBLY | | |
| WIDTH / DEPTH | | |
| PMI400 | 400 | 2 pieces |
| PMI500 | 500 | 2 pieces |
| PMI600 | 600 | 2 pieces |
| PMI800 | 800 | 2 pieces |
| PMI1000 | 1000 | 2 pieces |
| PMI1200 | 1200 | 2 pieces |
| HEIGHT | | |
| PMI1650 | 1650 | 2 pieces |
| PMI1800 | 1800 | 2 pieces |
| PMI2000 | 2000 | 2 pieces |

MATERIAL: 1.5-mm thick galvanised steel.

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

Maximum load: Profiles from 400 to 1200: 210 kg. Profiles from 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 |
|-------------------------------------|-------------|----------|
| REINFORCED INTERIOR ASSEMBLY | | |
| WIDTH / DEPTH | | |
| 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 |
|--------------------|-------------|--------------|
| FORK-SHAPED | | DEPTH |
| 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 |
|---------------------------|-------------|--------------|
| INTERIOR PARTITION | | DEPTH |
| PPI400 | 400 | 2 pieces |
| PPI500 | 500 | 2 pieces |
| PPI600 | 600 | 2 pieces |
| PPI800 | 800 | 2 pieces |

MATERIAL: Galvanised steel.

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

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

FOR THE FOLLOWING CABINETS: FSC - ENL.

Vertical uprights



| Reference No. | For cabinet | Pack |
|--------------------------------|-------------|---------------|
| VERTICAL UPRIGHTS (BIG) | | HEIGHT |
| 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 |
|---------------|----------|--------------|
| | | WIDTH |
| PPAP600 | 600 | 1 piece |
| PPAP800 | 800 | 1 piece |
| PPAP1000 | 1000 | 1 piece |

MATERIAL: Galvanised steel.

CHARACTERISTICS: Profile for fitting horizontally to the door profiles.

Assembly screws not included.

SUPPLY: 1-piece pack.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.

Swing tray



Reference No. Description

48776 Swing tray for PC 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 |
| BNF6040 | 600x320 | 600 | 400 |
| BNF6060 | 600x520 | 600 | 600 |
| BNF6080 | 600x720 | 600 | 800 |
| BNF8040 | 800x320 | 800 | 400 |
| BNF8060 | 800x520 | 800 | 600 |
| BNF8080 | 800x720 | 800 | 800 |

MATERIAL: Galvanised steel.

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

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

Reference 48523: Padlock not included.

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

Inserts for lock with handle



Ref. 48463

Ref. 48464

Ref. 48465

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

| | |
|-------|---|
| 48541 | Triangular insert lock + triangular key 6.5 |
|-------|---|

| | |
|-------|---|
| 48463 | Triangular insert lock + triangular key 8 |
|-------|---|

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

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

| | |
|-------|--|
| 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

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

MATERIAL: Handle made of polyamide with fibreglass.

CHARACTERISTICS: 2-point 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

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

MATERIAL: Zamak.

SUPPLY: 4-piece pack.

FOR THE FOLLOWING CABINETS: FSC - ENL - BIG.



Ref. 48461

Ref. 48482

Ref. 48525

Reference No. Description

RODS FOR LOCKS

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

| | |
|-------|---------------------|
| 48466 | Door retainer L=230 |
|-------|---------------------|

MATERIAL: Galvanised steel.

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

FOR THE FOLLOWING CABINETS: FSC - ENL.



Inner profiles for doors

Reference No. For cabinet

| | HEIGHT X WIDTH |
|-------|----------------|
| 48581 | 1650x400 |
| 48582 | 1800x400 |
| 48583 | 2000x400 |
| 48584 | 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



| 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.

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 |
|-------|----------------------|

CHARACTERISTICS: Contact: NC. Extendible from 122.5 to 165.5.
 It is not compatible with a chassis or inner door assembly.
FOR THE FOLLOWING CABINETS: FSC - ENL.

Transport casters



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

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

MATERIAL: 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

- 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

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

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

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

Intended for the industrial sector for machinery control and automation applications

Material

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

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 μ , with UV protection.

Protection

- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, 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, 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 | DEPTH CONTROL | DEPTH SYNOPTIC | NO. OF DOORS VERT. HORIZ. | FRONT DOORS | REAR DOORS | KG | | | | | | HORIZ. DOOR |
| PSC600 | 1415x600 | 500 | 950 | 950 | 1 1 | 1 single door | 1 single door | 75.00 | 317.0 | 396.3 | 475.5 | 554.8 | 634.1 | 14.00 Kg |
| PSC800 | 1415x800 | 500 | 950 | 950 | 1 1 | 1 single door | 1 single door | 90.00 | 376.0 | 470.0 | 564.0 | 658.0 | 752.0 | 13.00 Kg |
| PSC1000 | 1415x1000 | 500 | 950 | 950 | 1 1 | 1 single door | 1 single door | 108.00 | 435.0 | 543.7 | 652.5 | 761.2 | 870.0 | 11.50 Kg |
| PSC1200 | 1415x1200 | 500 | 950 | 950 | 1 1 | 1 double door | 2 double doors | 120.00 | 494.0 | 617.5 | 741.0 | 864.5 | 988.0 | 11.00 Kg |
| PSC1600 | 1415x1600 | 500 | 950 | 950 | 1 1 | 1 double door | 2 double doors | 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 |
| PC600 | 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 |
| PC800 | 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 |
| PC1000 | 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 |
| PC1000/PD | 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 |
| PC1200 | 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

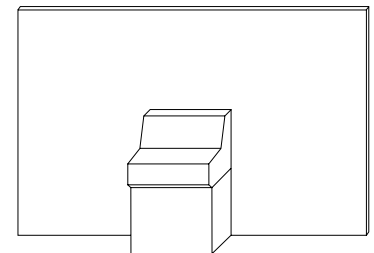
| Reference No. | Dimensions | | Doors synoptic | | Weight | Power dissipation according to temperature increase °C P(W)* | | | | | Max. acc. load | |
|---------------|----------------|----------------|----------------|------------|--------|--|-------|-------|--------|--------|----------------|-------------|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



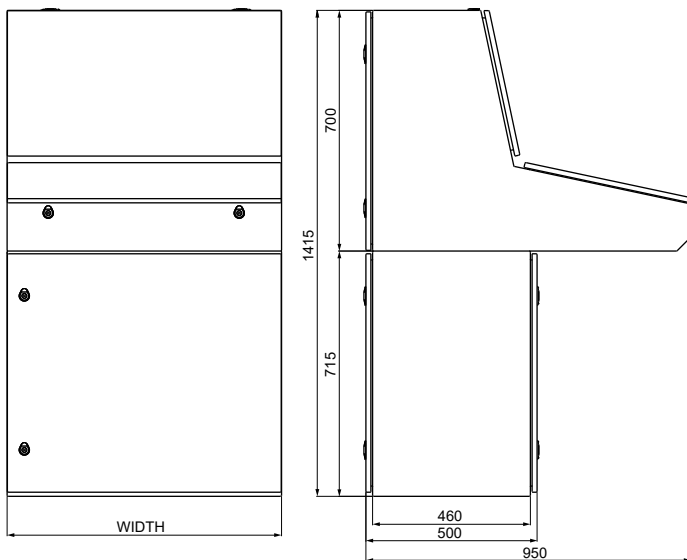
IP55 control desks



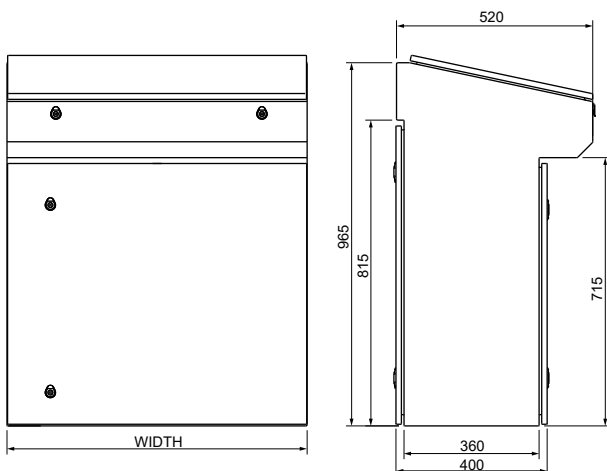
Special desks

Dimensions

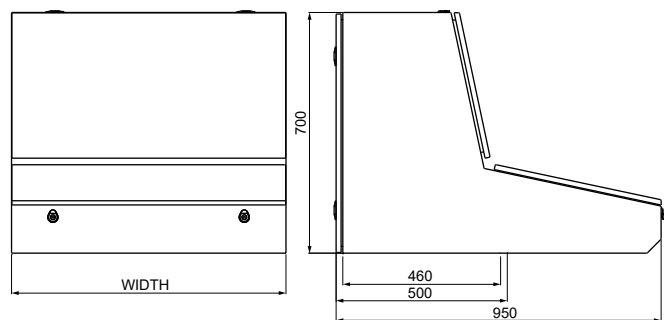
IP55 with control and synoptic panels



IP55 with control panel



IP55 with synoptic panel



BALTIC

IP55 steel desks accessories

Mounting plates



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

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

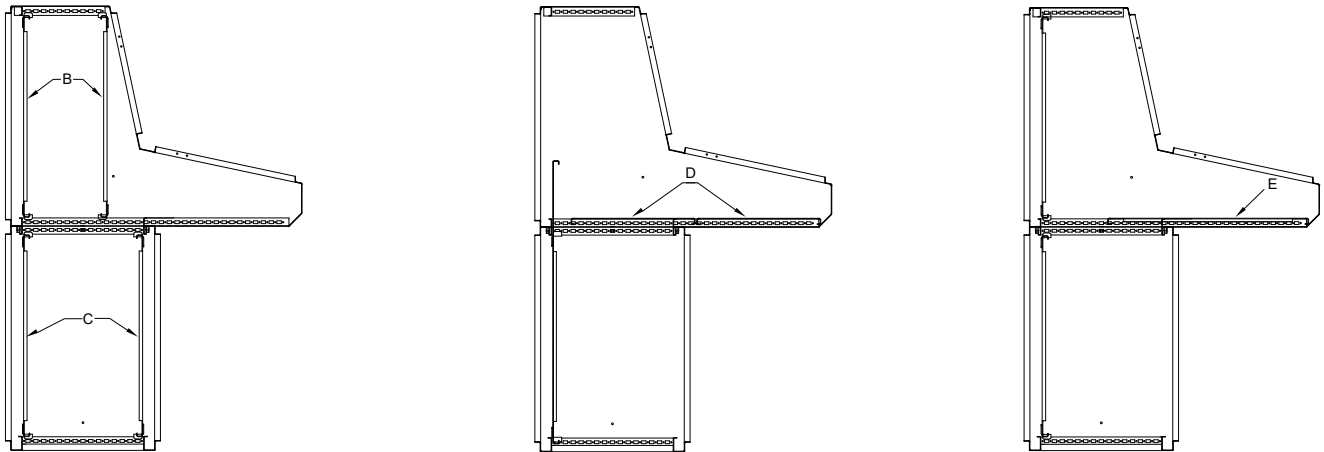
MATERIAL: Plain mounting plate in 2-mm thick galvanised steel.

CHARACTERISTICS: Bag of assembly accessories included.

FOR THE FOLLOWING DESKS: PSC - PC - PS.



Desks with control and synoptic panel



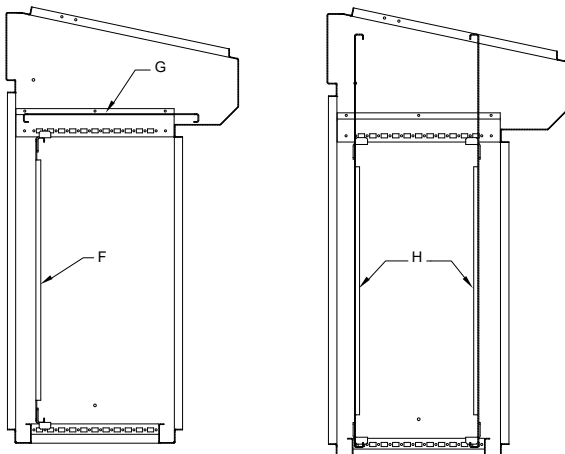
Possibility of plate mounting for desks with control and synoptic panels

- 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 |
|--|---------------|--------------|
| 100-MM PLINTHS | | |
| | HEIGHT | WIDTH |
| ZCL1060 | 100 | 600 |
| ZCL1080 | 100 | 800 /1600 |
| ZCL10100 | 100 | 1000 |
| ZCL10120 | 100 | 1200 |
| ZCL10160 | 100 | 1600 |
| 200-MM PLINTHS | | |
| | HEIGHT | WIDTH |
| ZCL2060 | 200 | 600 |
| ZCL2080 | 200 | 800 /1600 |
| ZCL20100 | 200 | 1000 |
| ZCL20120 | 200 | 1200 |
| ZCL20160 | 200 | 1600 |
| 200-MM PLINTHS 100 + 100 COVERS | | |
| | HEIGHT | WIDTH |
| ZCL2T1060 | 100+100 | 600 |
| ZCL2T1080 | 100+100 | 800 /1600 |
| ZCL2T10100 | 100+100 | 1000 |
| ZCL2T10120 | 100+100 | 1200 |

MATERIAL: RAL 7016 painted sheet steel.

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

Available in two heights, 100 mm and 200 mm.

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

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

FOR THE FOLLOWING DESKS: PSC - PC.

Side covers



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

MATERIAL: RAL 7016 painted sheet steel.

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

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

SUPPLY: 2-side cover pack.

FOR THE FOLLOWING DESKS: PSC - PC.

Lifting eyebolts



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

MATERIAL: Galvanised steel.
CHARACTERISTICS: They are fitted on the top of the desk.
SUPPLY: 2-piece pack.
FOR THE FOLLOWING 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 |
|------------------------|------------|----------|
| DOUBLE VERTICAL | | |
| PMV700 | 700 | 2 pieces |



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



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



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

MATERIAL: Galvanised steel.

CHARACTERISTICS: Profiles for installing trays and accessories inside the desk.
Maximum load: Profiles from 700 to 1200: 210 kg. Profiles of 1600: 150 kg.

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

FOR THE FOLLOWING DESKS: PSC - PC.

Hook lock



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

CHARACTERISTICS: Housing manufactured in RAL 7037 polyamide and latch in steel.
5-mm double-bit key not included. [Ref. 48449].

Key



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

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 |
| | | 6 | - | 1 | 144 |

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 |
|----------------|------------|------------|
| | | |
| TMCB200 | 200 | MCCB |
| TMCB250 | 250 | MCCB |
| TMCB300 | 300 | MCCB |
| TMCB400 | 400 | MCCB |

Plate+moulded-case circuit breaker (MCCB) supports

| Reference No. | Dim. |
|----------------|---------|
| | |
| PMCB200 | 165x385 |
| PMCB250 | 215x385 |
| PMCB300 | 265x385 |
| PMCB350 | 315x385 |

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



DIN rail kits

Ref. No. Description

| | |
|--------------|---|
| 48013 | DIN rail 24 modules + SURFACE assembly supports |
| 48014 | DIN rail 24 modules + FLUSH-FIT assembly supports |

Hinged plastic lids

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

Fixed metal lids

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

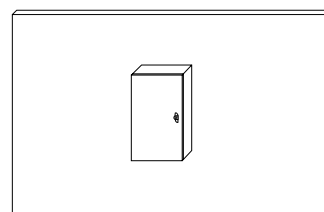
Cabinets supplied without door.

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.

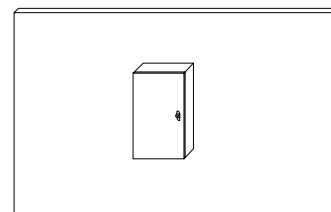
The corresponding lid + DIN rail kit must be ordered (see lid kit table).

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 |
| 65SUP48-72PO 65SUP48-72PT | 510x670x212 | 450 | 500x80 | 48-72 | 14.10 | 20 | 95.9 | 119.9 | 143.9 | 167.8 | 191.8 |
| 14.40 | | | | | | | | | | | |
| 65SUP72-96PO 65SUP72-96PT | 710x670x212 | 650 | 500x80 | 72-96 | 18.55 | 30 | 124.9 | 156.2 | 187.4 | 218.6 | 249.9 |
| 18.75 | | | | | | | | | | | |
| 65SUP96-120PO 65SUP96-120PT | 910x670x212 | 850 | 500x80 | 96-120 | 20.29 | 40 | 154.0 | 192.5 | 230.9 | 269.4 | 307.9 |
| 23.20 | | | | | | | | | | | |
| 65SUP120-168PO 65SUP120-168PT | 1110x670x212 | 1050 | 500x80 | 120-168 | 26.10 | 50 | 183.0 | 228.7 | 274.5 | 320.2 | 366.0 |
| 25.02 | | | | | | | | | | | |
| 65SUP144-192PO 65SUP144-192PT | 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.

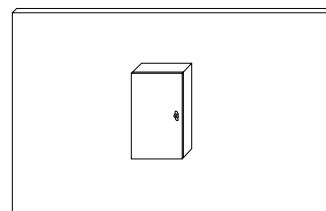
The corresponding lid + DIN rail kit must be ordered (see lid kit table).

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 | | | | | | |
| S48P200 | S48M200 | 48 MOD. | 2 | - | 1 | 2 | 65SUP48-72PO-PT |
| S72P150 | S72M150 | 72 MOD. | - | 3 | - | 3 | 65SUP48-72PO-PT |
| S72P200 | S72M200 | | 3 | - | 1 | 3 | 65SUP72-96PO-PT |
| S96P150 | S96M150 | 96 MOD. | - | 4 | 1 | 4 | 65SUP72-96PO-PT |
| S96P200 | S96M200 | | 4 | - | 1 | 4 | 65SUP96-120PO-PT |
| S120P150 | S120M150 | 120 MOD. | - | 5 | 2 | 5 | 65SUP96-120PO-PT |
| S120P200 | S120M200 | | 5 | - | 1 | 5 | 65SUP120-168PO-PT |
| S168P150 | S168M150 | 168 MOD. | - | 7 | - | 7 | 65SUP120-168PO-PT |
| S144P200 | S144M200 | 144 MOD. | 6 | - | 1 | 6 | 65SUP144-192PO-PT |
| S192P150 | S192M150 | 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 |
| 40EMP48-72PO 40EMP48-72PT | 597x737x120 | 450 | 520x660x100 | 48-72 | 16.17 19.08 | 20 | 81.9 | 102.4 | 122.9 | 143.3 | 163.8 |
| 40EMP72-96PO 40EMP72-96PT | 797x737x120 | 650 | 720x660x100 | 72-96 | 20.20 20.90 | 30 | 107.1 | 133.9 | 160.7 | 187.5 | 214.2 |
| 40EMP96-120PO 40EMP96-120PT | 997x737x120 | 850 | 920x660x100 | 96-120 | 24.45 25.71 | 40 | 132.3 | 165.4 | 198.5 | 231.6 | 264.7 |
| 40EMP120-168PO 40EMP120-168PT | 1197x737x120 | 1050 | 1120x660x100 | 120-168 | 28.65 31.03 | 50 | 157.5 | 196.9 | 236.3 | 275.7 | 315.1 |
| 40EMP144-192PO 40EMP144-192PT | 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.

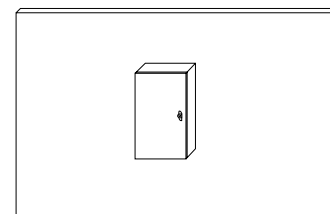
The corresponding lid + DIN rail kit must be ordered (see lid kit table).

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 | | | | | | |
| E48P200 | E48M200 | 48 MOD. | 2 | - | 1 | 2 | 40EMP48-72PO-PT |
| E72P150 | E72M150 | 72 MOD. | - | 3 | - | 3 | 40EMP48-72PO-PT |
| E72P200 | E72M200 | | 3 | - | 1 | 3 | 40EMP72-96PO-PT |
| E96P150 | E96M150 | 96 MOD. | - | 4 | 1 | 4 | 40EMP72-96PO-PT |
| E96P200 | E96M200 | | 4 | - | 1 | 4 | 40EMP96-120PO-PT |
| E120P150 | E120M150 | 120 MOD. | - | 5 | 2 | 5 | 40EMP96-120PO-PT |
| E120P200 | E120M200 | | 5 | - | 1 | 5 | 40EMP120-168PO-PT |
| E168P150 | E168M150 | 168 MOD. | - | 7 | - | 7 | 40EMP120-168PO-PT |
| E144P200 | E144M200 | 144 MOD. | 6 | - | 1 | 6 | 40EMP144-192PO-PT |
| E192P150 | E192M150 | 192 MOD. | - | 8 | 1 | 8 | 40EMP144-192PO-PT |



40EMP48-72



40EMP72-96



40EMP96-120



40EMP120-168

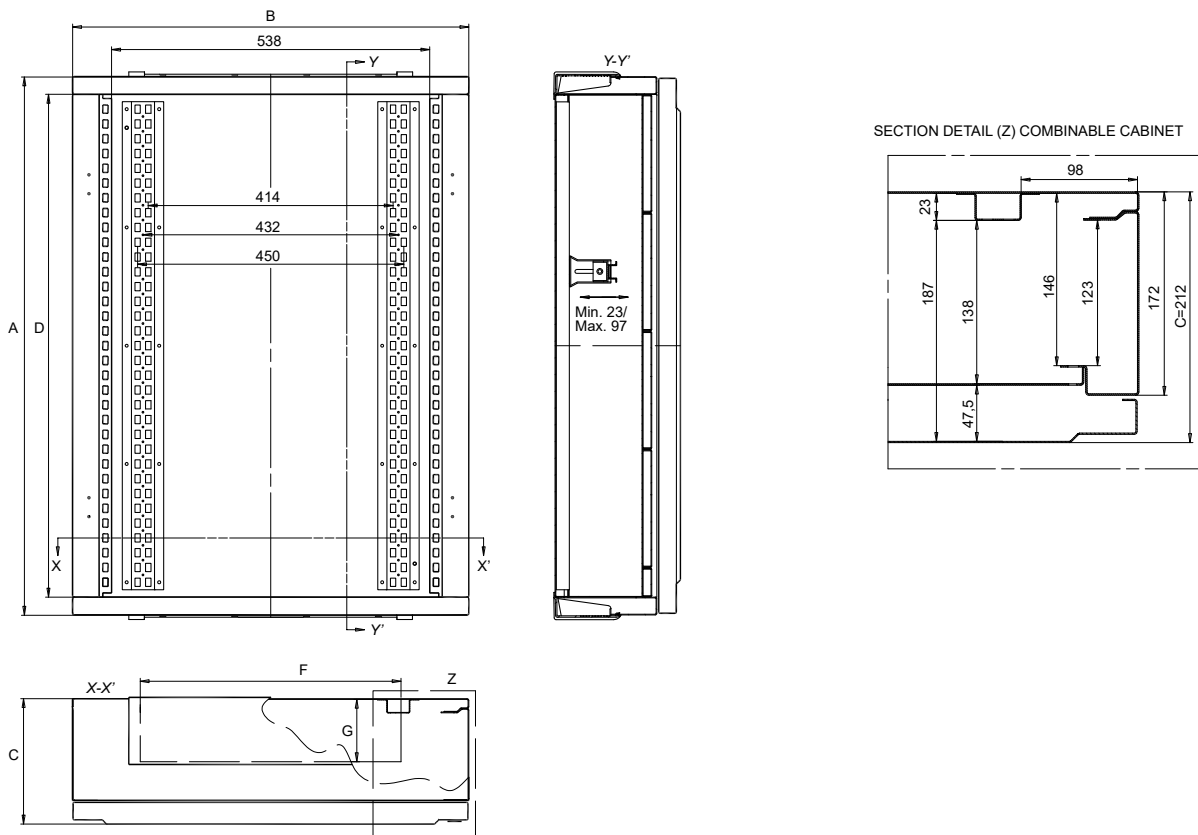


40EMP144-192

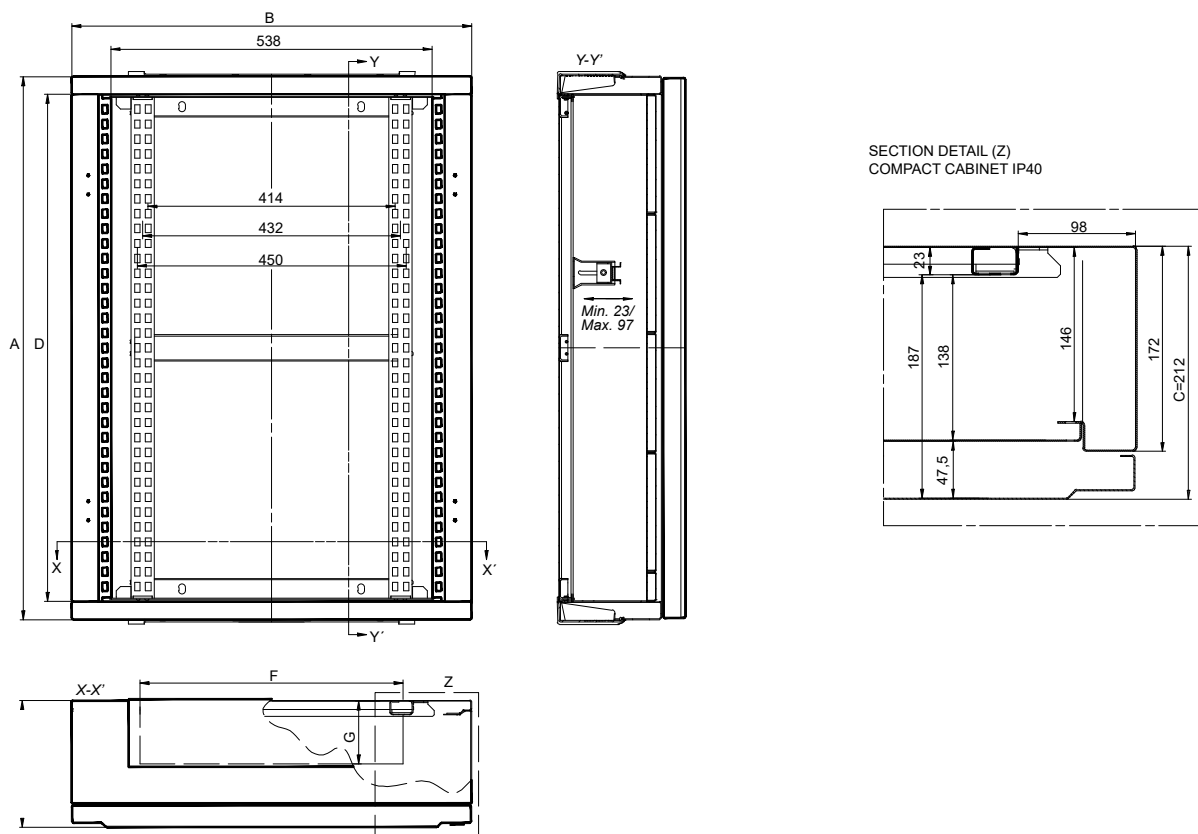
ATLANTIC

IP40-IP65 steel distribution cabinets

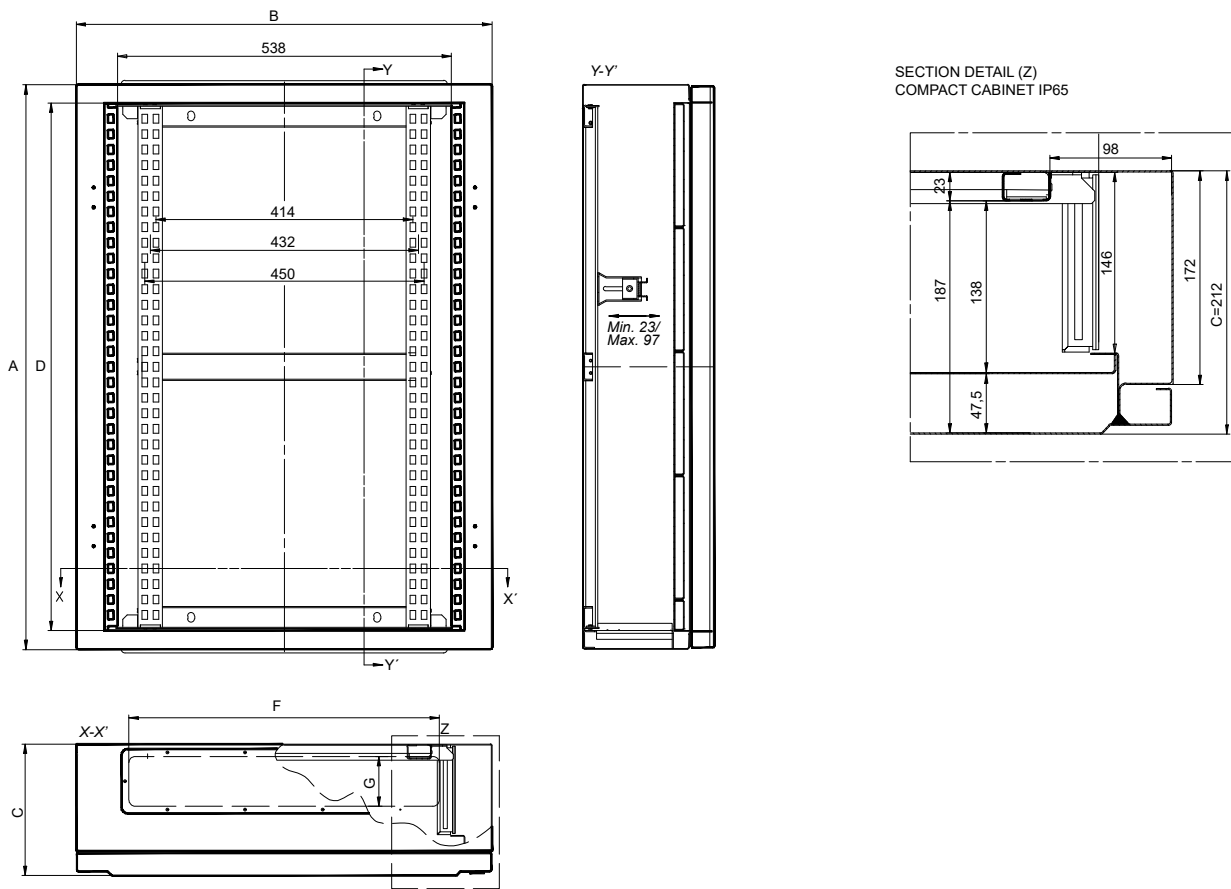
Dimensions: IP40 combinable surface cabinets



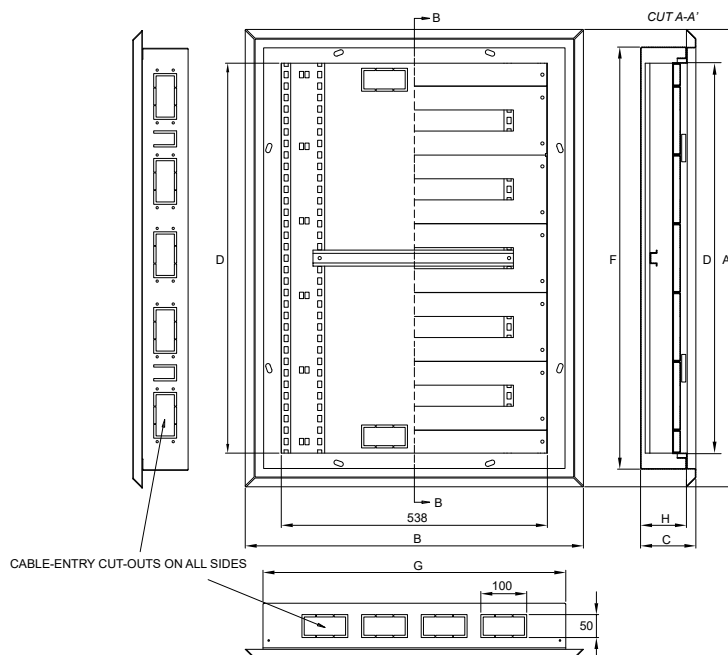
Dimensions: IP40 compact surface cabinets



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 |
|-----------------------|------------|-------------------|
| MODULAR | | |
| HEIGHT X WIDTH | | |
| TM150 | 150x577 | 24 |
| TM200 | 200x577 | 24 |
| BLIND | | |
| HEIGHT X WIDTH | | |
| TC50 | 50x577 | - |
| TC150 | 150x577 | - |
| TC200 | 200x577 | - |

MATERIAL: ABS RAL 9003 white.

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

Metal lids



| Reference No. | Dimensions | Number of modules |
|-----------------------|------------|-------------------|
| FIXED MODULAR | | |
| HEIGHT X WIDTH | | |
| TMM150F | 150x577 | 24 |
| TMM200F | 200x577 | 24 |
| TMM300F | 300x577 | 2x24 |
| TMM400F | 400x577 | 2x24 |
| FIXED BLIND | | |
| HEIGHT X WIDTH | | |
| TCM50F | 50x577 | - |
| TCM150F | 150x577 | - |
| TCM200F | 200x577 | - |
| TCM300F | 300x577 | - |
| TCM400F | 400x577 | - |

MATERIAL: RAL 9003 white cold-rolled steel.

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

Moulded-case circuit breaker cover (MCCB)



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

Plate + moulded-case circuit breaker (MCCB) support



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

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

CHARACTERISTICS: Cover plus plate system for installing moulded-case circuit breakers (MCCBs) up to 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

NEW

DIN rail kit for surface cabinets



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

MATERIAL: Galvanised steel.

CHARACTERISTICS: Mounting system using depth-adjustable clips.

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

DIN rail kit for flush-fit cabinets



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

MATERIAL: Galvanised steel.

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

FOR THE FOLLOWING CABINETS: 40EMP.

Auxiliary modules



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

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

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: Possibility of installing auxiliary side or central module.

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

Opaque door with standard 5-mm double bit lock.

FOR THE FOLLOWING CABINETS: 40ENL.

Cover kit for busbar



| Reference No. | Gap dimensions | Height dimensions | | For cabinet |
|---------------|----------------|-----------------------|-----------------------|-------------|
| | | LID 1 | LID 2 | |
| | | HEIGHT X WIDTH | NO. OF MODULES | |
| 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 | |
| | | | | NO. OF MODULES |
| 48700 | 450x248 | - | 300x212 | 48 |
| 48701 | 450x248 | 200x248 | 300x212 | 72 |
| 48702 | 450x248 | 400x248 | 300x212 | 96 |
| 48703 | 450x248 | 600x248 | 300x212 | 120 |
| 48704 | 450x248 | 800x248 | 300x212 | 144 |

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

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

NEW

ATLANTIC

IP40-IP65 steel distribution cabinets accessories

Combination + extension ENL cabinets



| Reference No. | Dimensions | No. of modules | For cabinet |
|--------------------------------|------------|----------------|--------------|
| COMBINABLE SURFACE CAB. | | HEIGHT | |
| 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 |

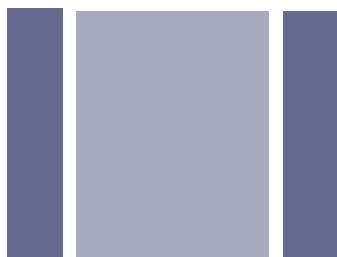
MATERIAL: RAL 9003 painted sheet steel.

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.

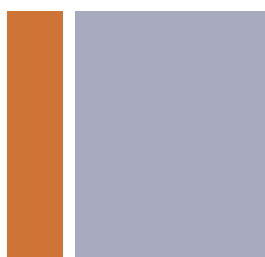
How to join two 40ENL72-96 cabinets

REFERENCES



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

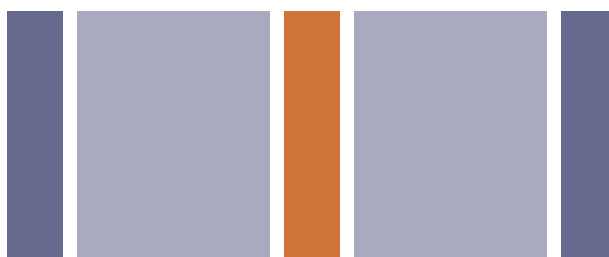
+



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 |
|--------------------------|---|
| FLUSH-FIT CABINET | |
| 48007 | Joining structure for flush-fit cabinets (2-piece pack) |

MATERIAL: Galvanised steel.

CHARACTERISTICS: It is used to join flush-fit enclosures. The piece is secured to the bases, allowing you to run cables between cabinets.

FOR THE FOLLOWING CABINETS: 40EMP.

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 |
|-------------------------------|-------------|-----------------------|
| IP40 FLUSH-FIT CABINET | | NO. OF MODULES |
| P040EMP48-72 | Opaque | 48-72 |
| PT40EMP48-72 | Transparent | 48-72 |
| P040EMP72-96 | Opaque | 72-96 |
| PT40EMP72-96 | Transparent | 72-96 |
| P040EMP96-120 | Opaque | 96-120 |
| PT40EMP96-120 | Transparent | 96-120 |
| P040EMP120-168 | Opaque | 120-168 |
| PT40EMP120-168 | Transparent | 120-168 |
| P040EMP144-192 | Opaque | 144-192 |
| PT40EMP144-192 | Transparent | 144-192 |

| Reference No. | Description | For cabinet |
|---------------------|-------------|-----------------------|
| IP40 SURFACE | | NO. OF MODULES |
| P040SUP48-72 | Opaque | 48-72 |
| PT40SUP48-72 | Transparent | 48-72 |
| P040SUP72-96 | Opaque | 72-96 |
| PT40SUP72-96 | Transparent | 72-96 |
| P040SUP96-120 | Opaque | 96-120 |
| PT40SUP96-120 | Transparent | 96-120 |
| P040SUP120-168 | Opaque | 120-168 |
| PT40SUP120-168 | Transparent | 120-168 |
| P040SUP144-192 | Opaque | 144-192 |
| PT40SUP144-192 | Transparent | 144-192 |

| Reference No. | Description | For cabinet |
|---------------------|-------------|-----------------------|
| IP65 SURFACE | | NO. OF MODULES |
| P065SUP48-72 | Opaque | 48-72 |
| PT65SUP48-72 | Transparent | 48-72 |
| P065SUP72-96 | Opaque | 72-96 |
| PT65SUP72-96 | Transparent | 72-96 |
| P065SUP96-120 | Opaque | 96-120 |
| PT65SUP96-120 | Transparent | 96-120 |
| P065SUP120-168 | Opaque | 120-168 |
| PT65SUP120-168 | Transparent | 120-168 |
| P065SUP144-192 | Opaque | 144-192 |
| PT65SUP144-192 | Transparent | 144-192 |

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: Doors supplied with 5-mm 1/4 turn double-bit lock.

Possibility of opaque or transparent door.

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

Standard locks



Ref. 48445

Ref. 48446

| Reference No. | Description |
|---------------|----------------------------------|
| 48445 | 5-mm double-bit lock (surface) |
| 48446 | 5-mm double-bit lock (flush-fit) |

CHARACTERISTICS: Housing manufactured in RAL 7037 polyamide and latch in steel. 5-mm double-bit key not included.

Locks with key



Ref. 48447

Ref. 48448

| Reference No. | Description |
|---------------|---|
| 48447 | 1/4 turn lock with key code 333 (surface) |
| 48448 | 1/4 turn lock with key code 333 (flush-fit) |

CHARACTERISTICS: Housing manufactured in RAL 7037 polyamide and latch in steel. Aluminium key with code 333 included (1 pc.). (Ref. 48550 for spare).

Wing nut locks



Ref. 48458

Ref. 48459

Ref. 48542

| Reference No. | Description |
|---------------|---|
| 48458 | 1/4 turn lock with wing nut with key code 333 (surface) |
| 48459 | 1/4 turn lock with wing nut with key code 333 (flush-fit) |
| 48542 | 1/4 turn lock with fixed wing nut without key (surface) |

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 |
|---------------|----------------------------------|
| 48449 | 5-mm double-bit key in polyamide |
| 48460 | 5-mm double-bit key in zamak |
| 48550 | 1/4 turn key code 333 |

Wall-mounting support



| Reference No. | Description |
|---------------|---|
| 48427 | 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 |
|---------------|---------------------------|----------------|
| 48107 | Kit for flush-fit ICP 63A | ICP+26 |
| 48108 | Kit for surface ICP 63A | ICP+30 |

CHARACTERISTICS: The ICP kit covers take up a usable surface in the 300-mm-high cabinet.

Surface kit: 63A ICP with 2-row protection lid and capacity for 30 modules.

Flush-fit kit: 63A ICP with 2-row protection lid and capacity for 26 modules.

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

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 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:** 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

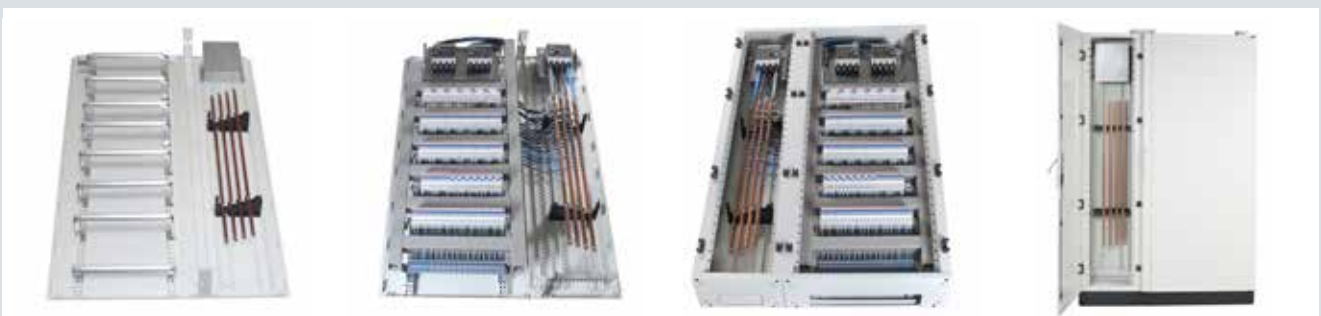
- The sides are secured to the base by means of clips.
- The hinges and retainers are secured to the sides by machined screws. The sides are reversible, and the doors can be opened to the right or to the left.
- The top and bottom covers are secured to the side by means of riveted nuts.

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.

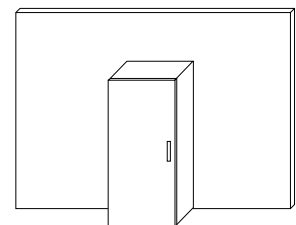
Plinth included in the unit. The dimensions include the 100-mm plinth.

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.

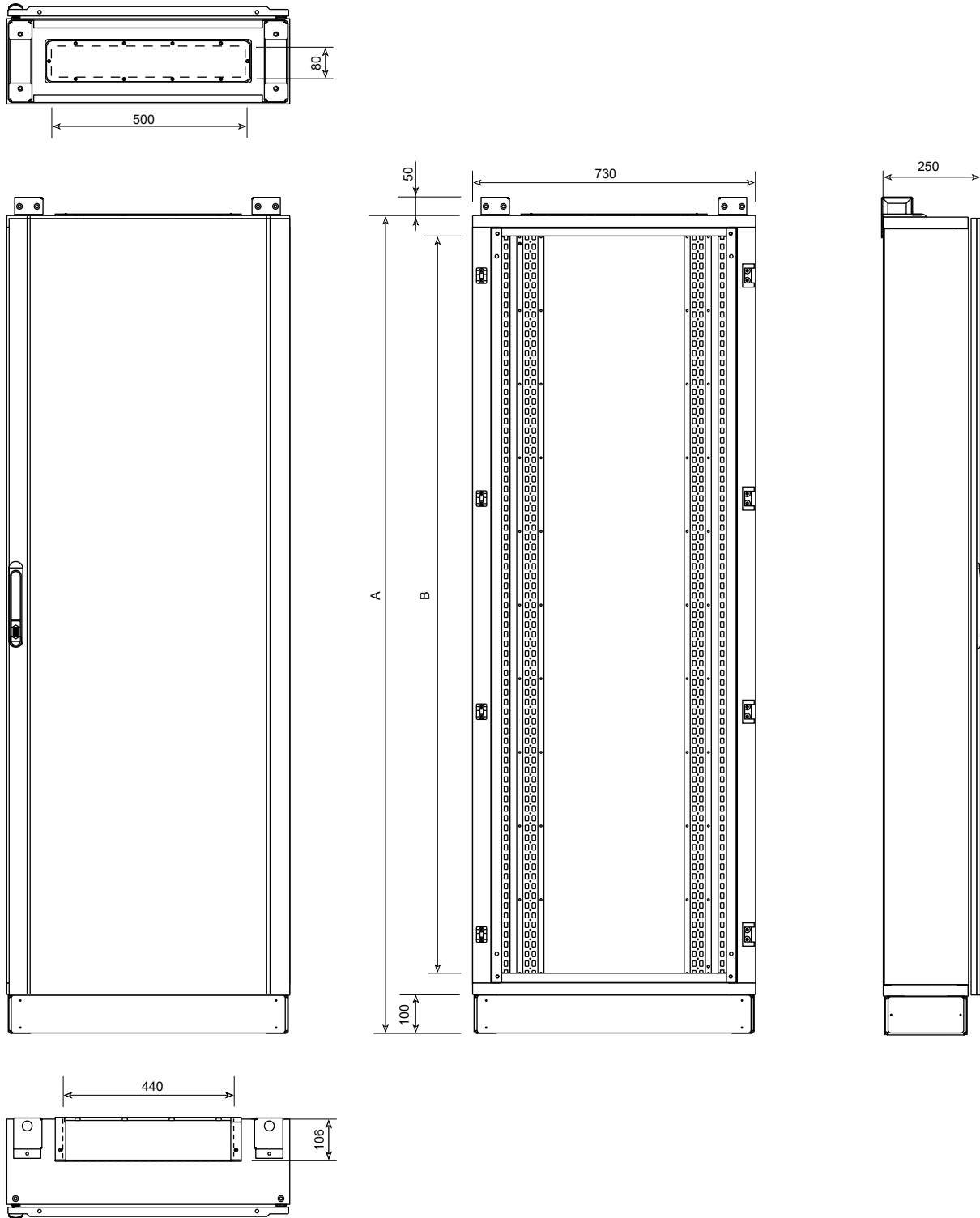
Upon request, custom machined lids for different types of MCCB or control and measurement elements. Request more information at export@ide.es

NEW

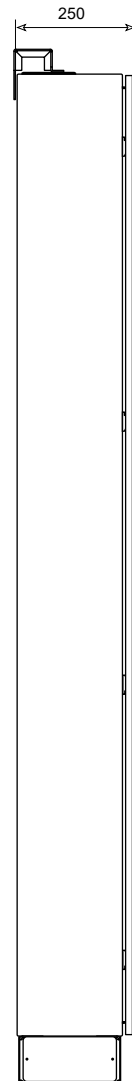
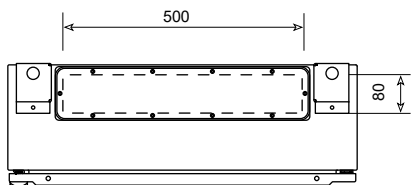
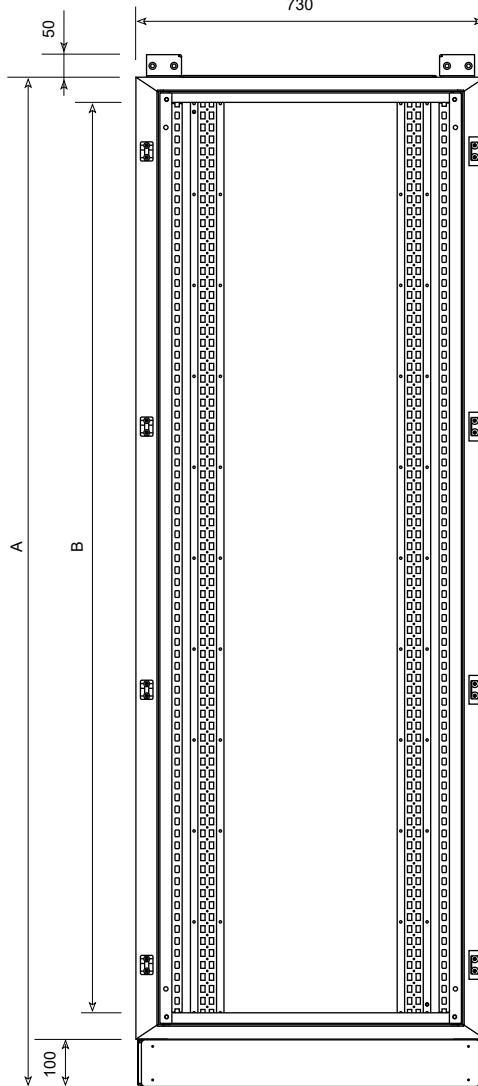
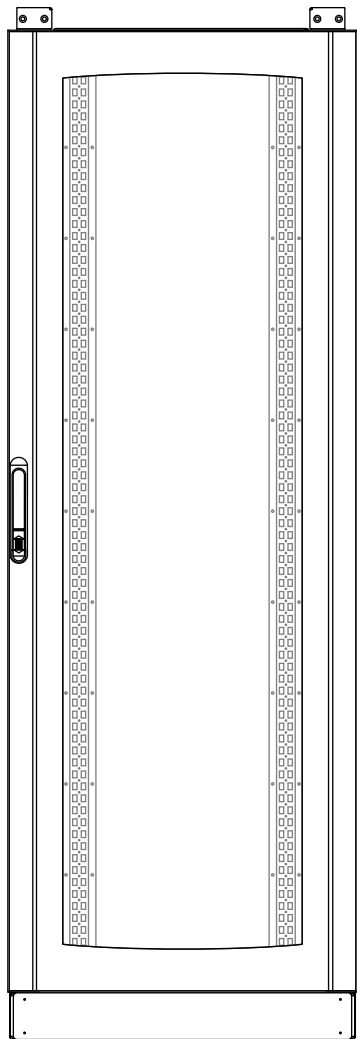
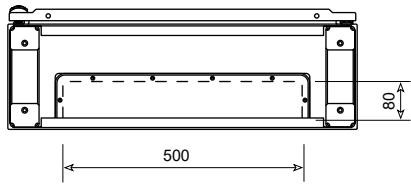
ATLANTIC PLUS

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 | |
| ME401810 | 1810x430x250 | 1650 | 40ENL192-240 |
| ME402110 | 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 |
| 48705 | Moulded-case circuit breaker kit | 300x273 | 450x303 |

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

CHARACTERISTICS: It features a protective cover and mounting plate with adjustment supports included. Possibility of fitting the moulded-case circuit breaker (MCCB) up to 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

NEW



| Reference No. | Dimensions |
|-------------------------------------|-----------------------|
| PROTECTIVE COVERS FOR BUSBAR | HEIGHT X WIDTH |
| 48370 | 300x303 |
| 48371 | 450x303 |
| 48372 | 600x303 |
| 48266 | 1200x303 |
| 48267 | 1500x303 |

MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: Partial covers to divide the protection area into sectors. All the accessories necessary for assembly are supplied. They provide the switchgear and other devices inside the auxiliary cabinet with additional protection.

FOR THE AUXILIARY MODULE: ME.

ATLANTIC PLUS

IP40-IP55 steel distribution cabinet accessories

Combination + extension ENL cabinets



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

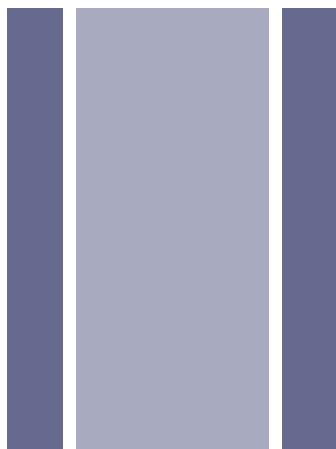
MATERIAL: RAL 9003 painted sheet steel.

CHARACTERISTICS: It permits the connection and extension of ENL-type surface enclosures using a clipping system. It contains the joining structure plus the cabinet and door extension.

FOR THE FOLLOWING CABINETS: 40ENL.

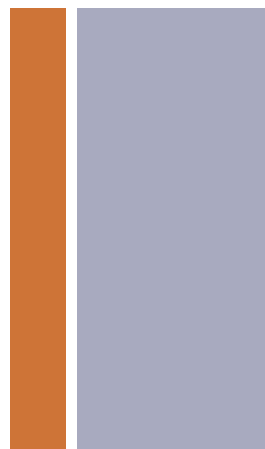
How to join two 40ENL192-240PO cabinets

REFERENCES



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

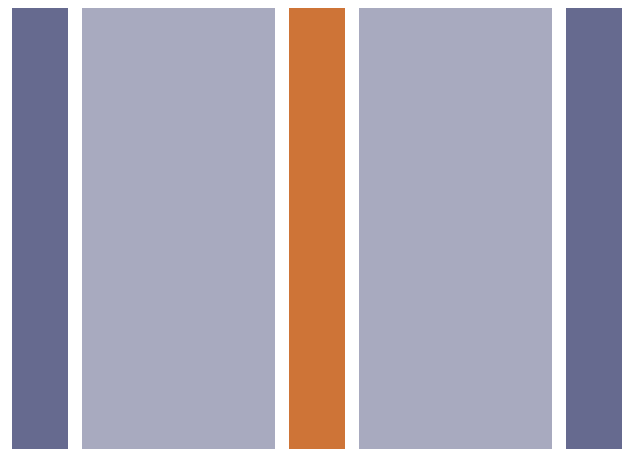
+



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 |
|------------------------|-------------|-----------------------|
| IP40 COMBINABLE | | NO. OF MODULES |
| P040ENL192 | Opaque | 192-240 |
| PT40ENL192 | Transparent | 192-240 |
| P040ENL216 | Opaque | 216-288 |
| PT40ENL216 | Transparent | 216-288 |

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



| Reference No. | Description | For cabinet |
|------------------------|-------------|---------------|
| FOR AUX. MODULE | | HEIGHT |
| POME1810 | Opaque | 1810 |
| POME2110 | Opaque | 2110 |

MATERIAL: RAL 9003 painted sheet steel.

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

For cabinets, possibility of opaque or transparent door.

Only available in opaque door for auxiliary module.

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

Standard lock



Ref. 48522 Ref. 48523

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

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

CHARACTERISTICS: Reference 48522: 4-point lock, double-bit insert with retractable handle in RAL 7016 grey. 5-mm double-bit key in zamak not included. (Ref. 48460)
Reference 48523: Padlock not included.

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

Inserts for lock with handle



Ref. 48463 Ref. 48464 Ref. 48465

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

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

| | |
|--------------|---------------------------------------|
| 48484 | Internal lock, double door + rod 1800 |
| 48485 | Internal lock, double door + rod 2000 |

MATERIAL: Handle made of polyamide with fibreglass.

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

FOR THE FOLLOWING CABINETS: 40ENL-55SUP.

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

HINGES AND RETAINERS

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

MATERIAL: Zamak.

SUPPLY: 4-piece pack.

FOR THE FOLLOWING CABINETS: 40ENL-55SUP.



Ref. 48461 Ref. 48482

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

RODS FOR LOCKS

| | |
|--------------|--------------------------------|
| 48560 | Single door rod 1800 mm height |
| 48561 | Single door rod 2000 mm height |
| 48565 | Rod end (4-piece pack) |

MATERIAL: Galvanised steel.

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

FOR THE FOLLOWING CABINETS: 40ENL-55SUP.



Ref. 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

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

How to select the most suitable appliances

- 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



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

Recommendations

- 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

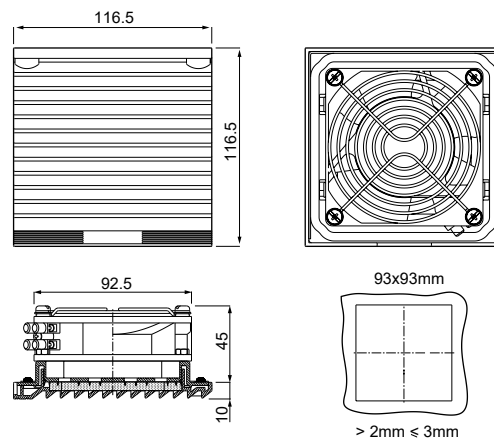
IP54 AC Filter fan (34-42 m³/h)



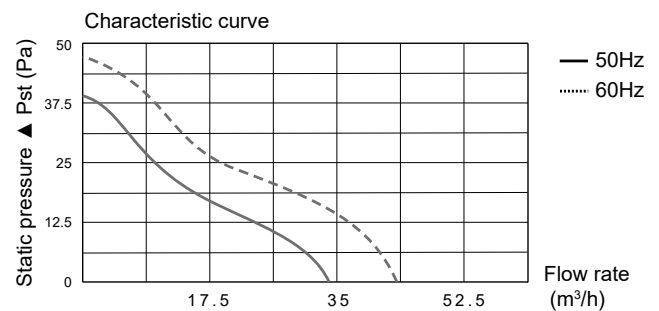
| Specifications | Units | Reference VF34AC | |
|-------------------------------|-------------------|----------------------------------|------|
| Voltage | V | 230 | |
| | Hz | 50 | 60 |
| Air flow with filter | m ³ /h | 34 | 42 |
| Operating temperature | °C | -20 °C ~ +65 °C | |
| Relative humidity range | - | 0 - 95% | |
| Filtration efficiency | - | Up to 73% | |
| Service (at 40 °C) | h | 50000 | |
| Noise level | dB | 32 | 34 |
| Dimensions | mm | 116.5x116.5x55 | |
| Thickness of the cabinet wall | mm | 2 - 3 | |
| Cut-off dimensions | mm | 93x93 | |
| Electrical connection | - | Terminal | |
| Current consumption | A | 0.06 | 0.07 |
| Energy consumption | W | 12 | 11 |
| Static pressure | Pa | 39 | 45 |
| 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 ³ | |
| Seal | - | Autoadhesive polyurethane | |
| Weight | kg | 0.38 | |
| 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



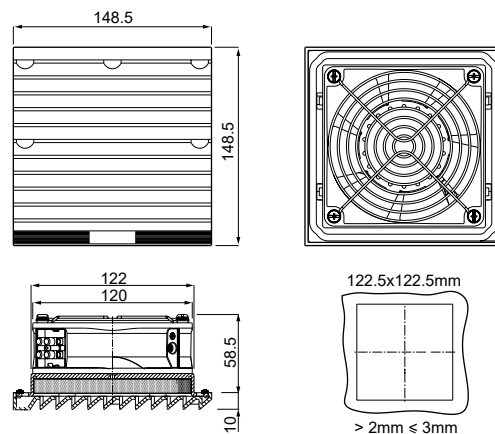
IP54 AC Filter fan (92-107 m³/h)



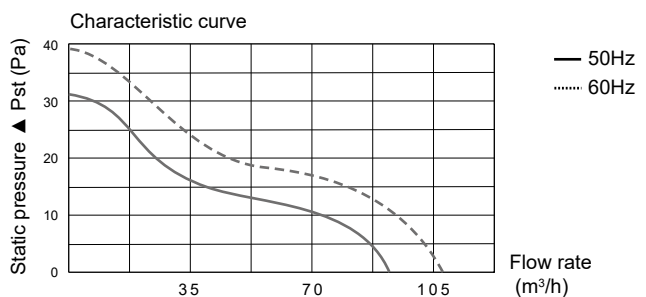
| Specifications | Units | Reference VF92AC | |
|-------------------------------|-------------------|----------------------------------|------|
| Voltage | V | 230 | |
| | Hz | 50 | 60 |
| Air flow with filter | m ³ /h | 92 | 107 |
| Operating temperature | °C | -20 °C ~ +65 °C | |
| Relative humidity 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 ³ | |
| 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

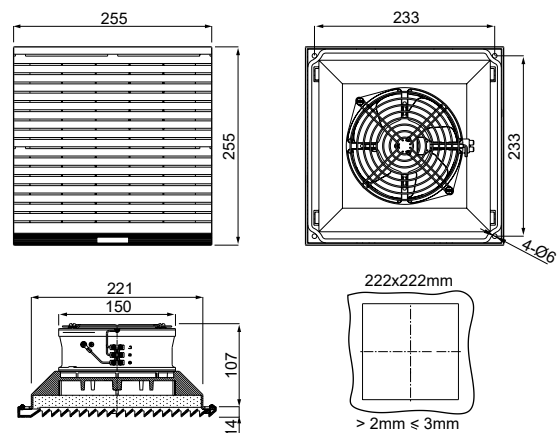
IP54 AC Filter fan (224-266 m³/h)



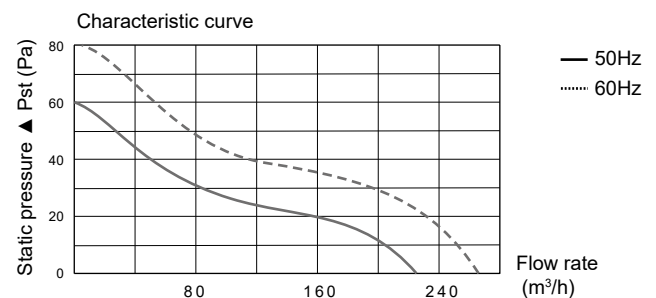
| Specifications | Units | Reference VF224AC | |
|-------------------------------|-------------------|----------------------------------|------|
| Voltage | V | 230 | |
| | Hz | 50 | 60 |
| Air flow with filter | m ³ /h | 224 | 266 |
| Operating temperature | °C | -20 °C ~ +70 °C | |
| Relative humidity 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 ³ | |
| 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



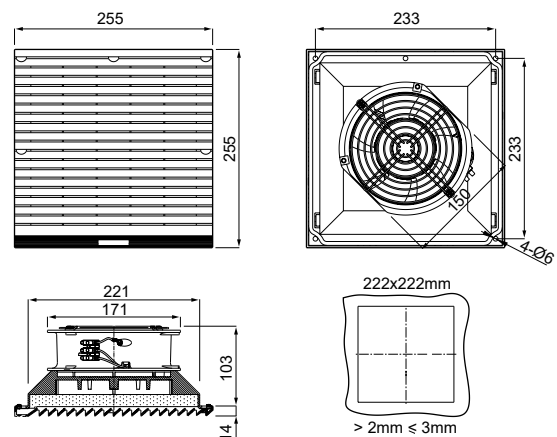
IP54 AC Filter fan (280-320 m³/h)



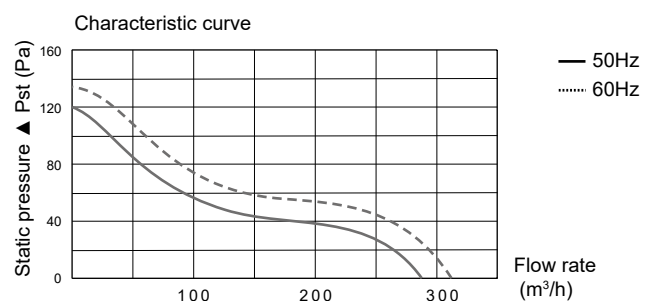
| Specifications | Units | Reference VF280AC | |
|--------------------------------------|-------------------|----------------------------------|------|
| Voltage | V | 230 | |
| | Hz | 50 | 60 |
| Air flow with filter | m ³ /h | 280 | 320 |
| Operating temperature | °C | -20 °C ~ +70 °C | |
| Relative humidity range | - | 0 - 95% | |
| Filtration efficiency | - | Up to 73% | |
| Service (at 40 °C) | h | 50000 | |
| Noise level | dB | 48 | 50 |
| Dimensions | mm | 255x255x117 | |
| Thickness of the cabinet wall | mm | 2 - 3 | |
| Cut-off dimensions | mm | 222x222 | |
| Electrical connection | - | Terminal | |
| Current consumption | A | 0.26 | 0.24 |
| Energy consumption | W | 41 | 38 |
| Static pressure | Pa | 120 | 135 |
| 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 ³ | |
| Seal | - | Autoadhesive polyurethane | |
| Weight | kg | 1.47 | |
| 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



THERMAL MANAGEMENT

Ventilation

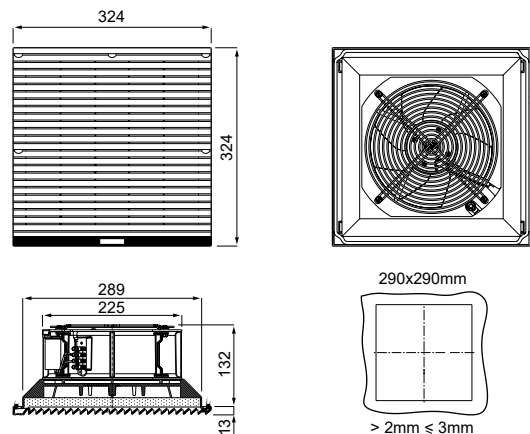
IP54 AC Filter fan (637-707 m³/h)



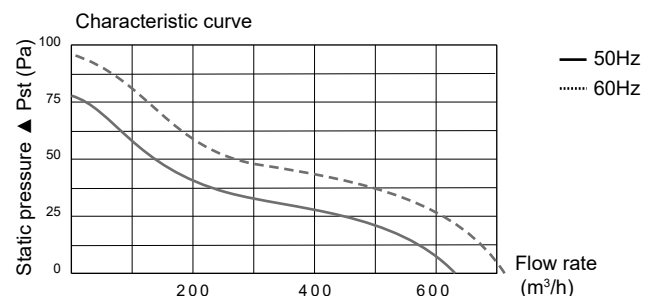
| Specifications | Units | Reference VF637AC | |
|--------------------------------------|-------------------|----------------------------------|------|
| Voltage | V | 230 | |
| | Hz | 50 | 60 |
| Air flow with filter | m ³ /h | 637 | 707 |
| Operating temperature | °C | -20 °C ~ +75 °C | |
| Relative humidity range | - | 0 - 95% | |
| Filtration efficiency | - | Up to 73% | |
| Service (at 40 °C) | h | 50000 | |
| Noise level | dB | 55 | 57 |
| Dimensions | mm | 324x324x145 | |
| Thickness of the cabinet wall | mm | 2 - 3 | |
| Cut-off dimensions | mm | 290x290 | |
| Electrical connection | - | Terminal | |
| Current consumption | A | 0.30 | 0.34 |
| Energy consumption | W | 65 | 77 |
| Static pressure | Pa | 78 | 90 |
| 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 ³ | |
| Seal | - | Autoadhesive polyurethane | |
| Weight | kg | 3.43 | |
| 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



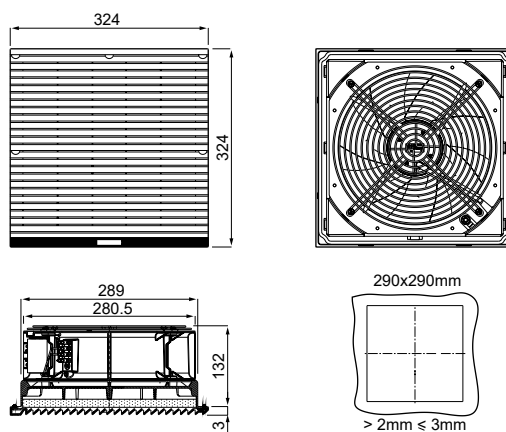
IP54 AC Filter fan (1395-1530 m³/h)



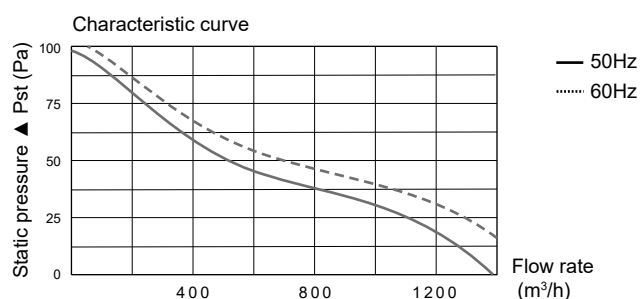
| Specifications | Units | Reference VF1395AC | |
|--------------------------------------|-------------------|----------------------------------|------|
| Voltage | V | 230 | |
| | Hz | 50 | 60 |
| Air flow with filter | m ³ /h | 1395 | 1530 |
| Operating temperature | °C | -20 °C ~ +75 °C | |
| Relative 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 ³ | |
| 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

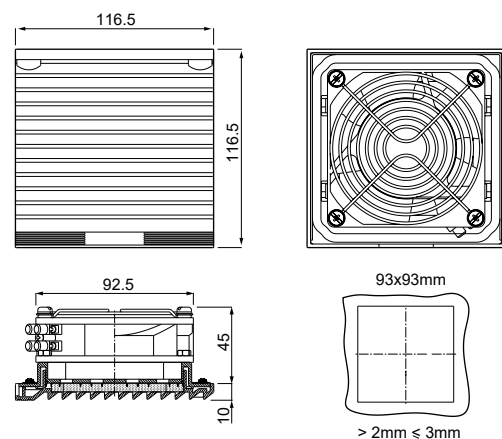
IP54 DC Filter fan (60 m³/h)



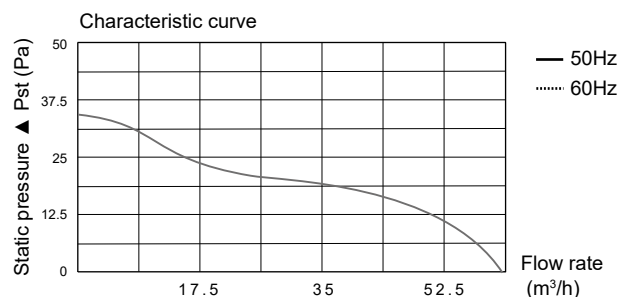
| Specifications | Units | Reference VF60DC |
|--------------------------------------|-------------------|----------------------------------|
| Voltage | V | 24 |
| Air flow with filter | m ³ /h | 70 |
| Operating temperature | °C | -20 °C ~ +65 °C |
| Relative humidity range | - | 0 - 95% |
| Filtration efficiency | - | Up to 73% |
| Service (at 40 °C) | h | 50000 |
| Noise level | dB | 36 |
| Dimensions | mm | 116.5x116.5x55 |
| Thickness of the cabinet wall | mm | 2 - 3 |
| Cut-off dimensions | mm | 93x93 |
| Electrical connection | - | Terminal |
| Current consumption | A | 0.12 |
| Energy consumption | W | 2.88 |
| Static pressure | Pa | 45 |
| 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 ³ |
| Seal | - | Autoadhesive polyurethane |
| Weight | kg | 0.37 |
| 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



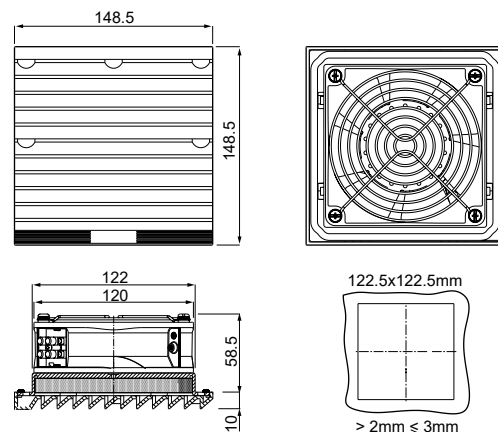
IP54 DC Filter fan (113 m³/h)



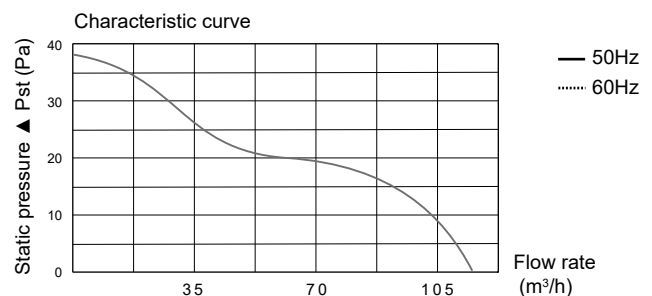
| Specifications | Units | Reference VF113DC |
|-------------------------------|-------------------|----------------------------------|
| Voltage | V | 24 |
| Air flow with filter | m ³ /h | 113 |
| Operating temperature | °C | -20 °C ~ +65 °C |
| Relative humidity range | - | 0 - 95% |
| Filtration 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 ³ |
| 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

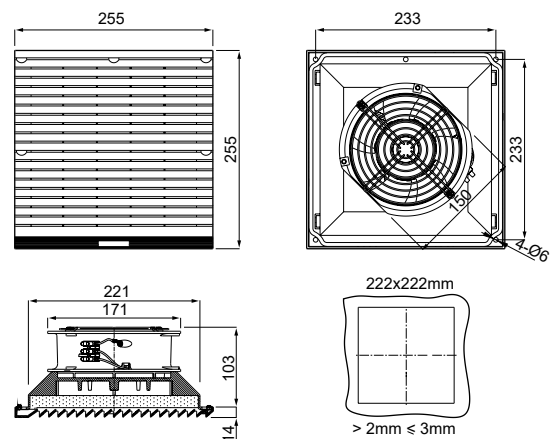
IP54 DC Filter fan (245 m³/h)



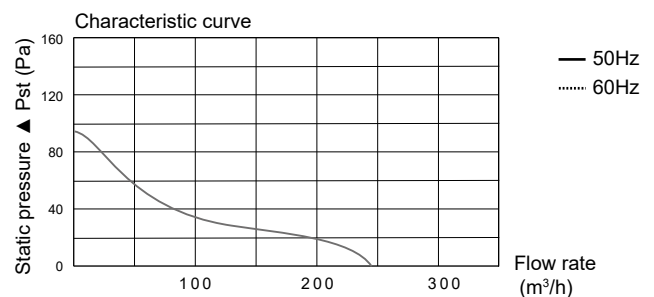
| Specifications | Units | Reference VF245DC |
|--------------------------------------|-------------------|----------------------------------|
| Voltage | V | 24 |
| Air flow with filter | m ³ /h | 245 |
| Operating temperature | °C | -20 °C ~ +70 °C |
| Relative humidity range | - | 0 - 95% |
| Filtration efficiency | - | Up to 73% |
| Service (at 40 °C) | h | 50000 |
| Noise level | dB | 48 |
| Dimensions | mm | 255x255x117 |
| Thickness of the cabinet wall | mm | 2 - 3 |
| Cut-off dimensions | mm | 222x222 |
| Electrical connection | - | Terminal |
| Current consumption | A | 0.50 |
| Energy consumption | W | 12 |
| Static pressure | Pa | 95 |
| 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 ³ |
| Seal | - | Autoadhesive polyurethane |
| Weight | kg | 1.30 |
| 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



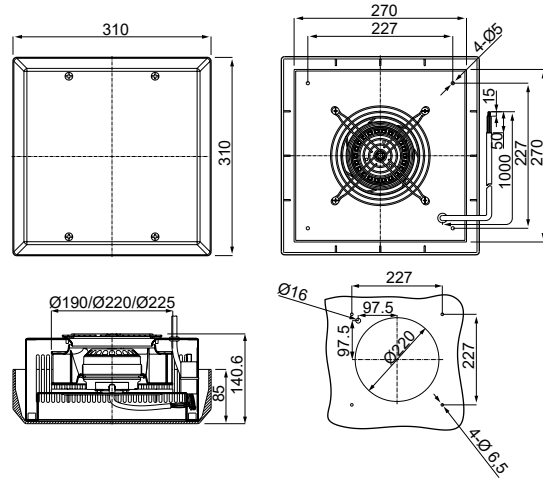
Graphs



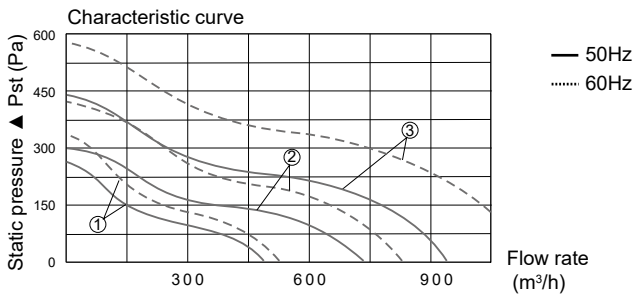
IP54 Ceiling fan (484-1140 m³/h)



Dimensions



Graphs



| Specifications | Units | Reference VT484 | | Reference VT730 | | Reference VT1020 | |
|-----------------------------------|-------------------|---------------------------|------|---------------------------|------|----------------------------|------|
| Voltage | V | 230 | | 230 | | 230 | |
| | Hz | 50 | 60 | 50 | 60 | 50 | 60 |
| Air flow with filter | m ³ /h | 484 | 527 | 730 | 830 | 1020 | 1140 |
| Operating temperature | °C | -20 °C ~ +80 °C | | -20 °C ~ +80 °C | | -20 °C ~ +80 °C | |
| Relative humidity range | - | 0 - 95% | | 0 - 95% | | 0 - 95% | |
| Service (at 40 °C) | h | 50000 | | 50000 | | 50000 | |
| Noise level | dB | 57 | 59 | 60 | 62 | 62 | 64 |
| Dimensions | mm | 310x310x140 | | 310x310x140 | | 310x310x140 | |
| Cut-off dimensions | mm | Ø220 | | Ø220 | | Ø220 | |
| Electrical connection | - | Cable | | Cable | | Cable | |
| Current consumption | A | 0.26 | 0.33 | 0.46 | 0.51 | 0.60 | 0.74 |
| Energy consumption | W | 58 | 74 | 98 | 118 | 131 | 170 |
| Static pressure | Pa | 265 | 335 | 300 | 440 | 430 | 585 |
| Static pressure curve | - | 1 | | 2 | | 3 | |
| Overcurrent protection | - | Thermal | | Thermal | | Thermal | |
| Protection rating EN 60529 | - | IP54 | | IP54 | | IP54 | |
| Direction of flow | - | From interior to exterior | | From interior to exterior | | From interior to exterior | |
| Bearing | - | Ball bearing | | Ball bearing | | Ball bearing | |
| Material | - | UL94 V0 ABS / Cast iron | | UL94 V0 ABS / Cast iron | | UL94 V0 ABS / Cast iron | |
| Colour | - | RAL 7035 | | RAL 7035 | | RAL 7035 | |
| Seal | - | Autoadhesive polyurethane | | Autoadhesive polyurethane | | Autoadhesive polyurethane | |
| Weight | kg | 4.80 | | 5.23 | | 5.70 | |
| Assembly | - | Bolts | | Bolts | | Bolts | |
| Certificates | - | CE, ROHS | | CE, ROHS | | CE, ROHS | |

THERMAL MANAGEMENT

Ventilation

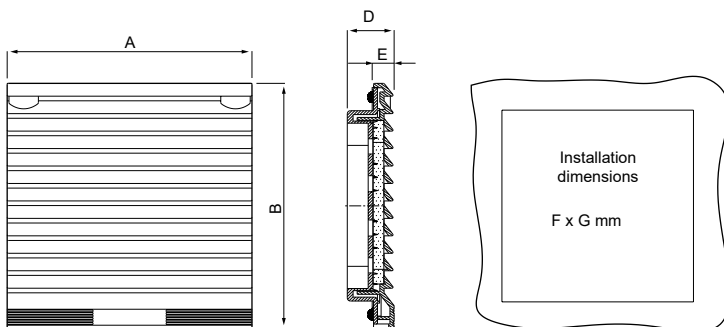
Air filter grille (for VF fans)



| Specifications | Units | Reference RF93 |
|-------------------------------|-------|--|
| 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 ³ 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 RF123 |
|-------------------------------|-------|--|
| 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 ³ 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 RF222 |
|-------------------------------|-------|--|
| 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 ³ 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 RF290 |
|-------------------------------|-------|--|
| 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 ³ 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 F93 | Reference F123 | Reference F222 | Reference F290 |
|-------------------|----|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Grille dimensions | mm | 116.5x116.5 | 148.5x148.5 | 255x255 | 324x324 |
| Mesh dimensions | mm | 85x85 | 115x115 | 215x215 | 285x285 |
| Material | - | 150 g/m ³ nylon fibre | 150 g/m ³ nylon fibre | 150 g/m ³ nylon fibre | 150 g/m ³ nylon fibre |

THERMAL MANAGEMENT

Heating

Heating resistors without fan



| Specifications | Units | Reference RC15SV |
|------------------------------------|-------|----------------------------|
| Voltage | V | 100-250 AC DC |
| Power | W | 15 |
| Maximum current | A | 2 |
| Dimensions (AxBxC) | mm | 68x27x56 |
| Weight | kg | 0.14 |
| Heater element | - | PTC resistor |
| Electrical connection | cm | Cable 30 cm |
| Protection rating | - | IP20 |
| Protection class | - | Class II |
| Material | - | Anodised aluminium profile |
| Assembly | - | Clip for DIN rail |
| Service/storage temperature | °C | -45 °C ~ +70 °C |
| Overcurrent protection | - | Thermal |
| Certificates | - | CE |

| Specifications | Units | Reference RC25SV |
|------------------------------------|-------|----------------------------|
| Voltage | V | 100-250 AC DC |
| Power | W | 25 |
| Maximum current | A | 2 |
| Dimensions (AxBxC) | mm | 70x27x50 |
| Weight | kg | 0.15 |
| Heater element | - | PTC resistor |
| Electrical connection | cm | Cable 30 cm |
| Protection rating | - | IP20 |
| Protection class | - | Class II |
| Material | - | Anodised aluminium profile |
| Assembly | - | Clip for DIN rail |
| Service/storage temperature | °C | -45 °C ~ +70 °C |
| Overcurrent protection | - | Thermal |
| Certificates | - | CE |

Dimensions



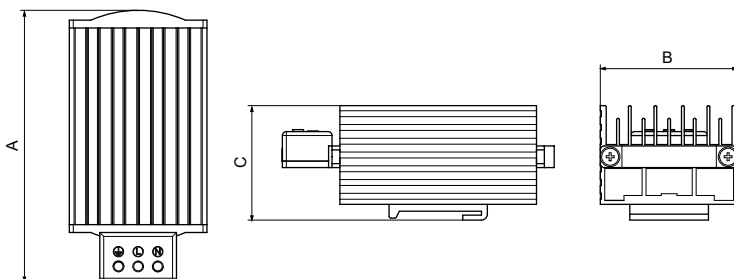
Heating resistors without fan



| Specifications | Units | Reference RC50SV |
|------------------------------------|-------|----------------------------|
| Voltage | V | 100-250 AC DC |
| Power | W | 50 |
| Maximum current | A | 2 |
| Dimensions (AxBxC) | mm | 100x70x50 |
| Weight | kg | 0.38 |
| Heater element | - | PTC resistor |
| Electrical connection | - | Terminal |
| Protection rating | - | IP20 |
| Protection class | - | Class II |
| Material | - | Anodised aluminium profile |
| Assembly | - | Clip for DIN rail |
| Service/storage temperature | °C | -45 °C ~ +70 °C |
| Overcurrent protection | - | Thermal |
| Certificates | - | CE |

| Specifications | Units | Reference RC75SV |
|------------------------------------|-------|----------------------------|
| Voltage | V | 100-250 AC DC |
| Power | W | 75 |
| Maximum current | A | 4 |
| Dimensions (AxBxC) | mm | 140x70x50 |
| Weight | kg | 0.49 |
| Heater element | - | PTC resistor |
| Electrical connection | - | Terminal |
| Protection rating | - | IP20 |
| Protection class | - | Class II |
| Material | - | Anodised aluminium profile |
| Assembly | - | Clip for DIN rail |
| Service/storage temperature | °C | -45 °C ~ +70 °C |
| Overcurrent protection | - | Thermal |
| Certificates | - | CE |

Dimensions



THERMAL MANAGEMENT

Heating

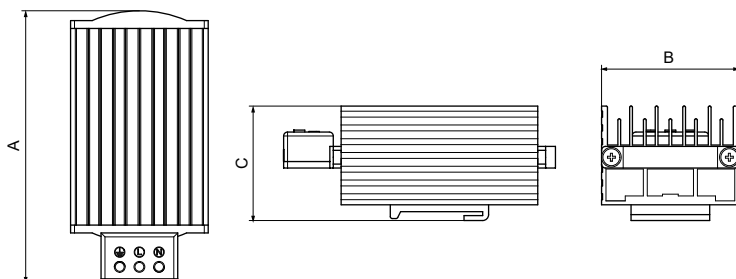
Heating resistors without fan



| Specifications | Units | Reference RC100SV |
|------------------------------------|-------|-----------------------------|
| Voltage | V | 100-250 AC DC |
| Power | W | 100 |
| Maximum current | A | 4 |
| Dimensions (AxBxC) | mm | 150x70x50 |
| Weight | kg | 0.53 |
| Heater element | - | PTC resistor |
| Electrical connection | - | Terminal |
| Protection rating | - | IP20 |
| Protection class | - | Class II |
| Material | - | Anodised aluminium profile |
| Assembly | - | Clip for DIN rail |
| Service/storage temperature | °C | -45 °C ~ +70 °C |
| Overcurrent protection | - | Thermal |
| Certificates | - | CE |

| Specifications | Units | Reference RC150SV |
|------------------------------------|-------|-----------------------------|
| Voltage | V | 100-250 AC DC |
| Power | W | 150 |
| Maximum current | A | 6 |
| Dimensions (AxBxC) | mm | 190x70x50 |
| Weight | kg | 0.66 |
| Heater element | - | PTC resistor |
| Electrical connection | - | Terminal |
| Protection rating | - | IP20 |
| Protection class | - | Class II |
| Material | - | Anodised aluminium profile |
| Assembly | - | Clip for DIN rail |
| Service/storage temperature | °C | -45 °C ~ +70 °C |
| Overcurrent protection | - | Thermal |
| Certificates | - | CE |

Dimensions



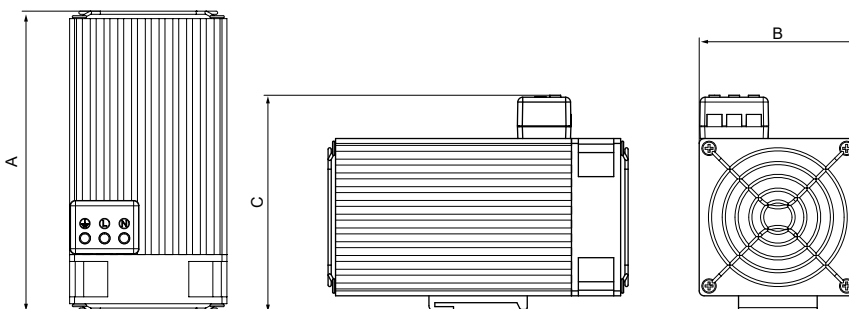
Heating resistors with fan



| Specifications | Units | Reference RC250CV | |
|------------------------------------|-------------------|-----------------------------|----|
| Voltage | V | 230 | |
| | Hz | 50 | 60 |
| Power | W | 250 | |
| Maximum current | A | 1.2 | |
| Dimensions (AxBxC) | mm | 155x81x110 | |
| Fan dimensions | mm | 80x80x25 | |
| Weight | kg | 1.03 | |
| Fan air flow | m ³ /h | 35 | |
| Heater element | - | Resistor | |
| Electrical connection | - | Terminal | |
| Protection rating | - | IP20 | |
| Protection class | - | Class I | |
| Material | - | Anodised aluminium profile | |
| Assembly | - | Clip for DIN rail | |
| Service/storage temperature | °C | -25 °C ~ +70 °C | |
| Overcurrent protection | - | Thermal | |
| Certificates | - | CE | |

| Specifications | Units | Reference RC500CV | |
|------------------------------------|-------------------|-----------------------------|----|
| Voltage | V | 230 | |
| | Hz | 50 | 60 |
| Power | W | 500 | |
| Maximum current | A | 2.4 | |
| Dimensions (AxBxC) | mm | 185x81x110 | |
| Fan dimensions | mm | 80x80x25 | |
| Weight | kg | 1.22 | |
| Fan air flow | m ³ /h | 35 | |
| Heater element | - | Resistor | |
| Electrical connection | - | Terminal | |
| Protection rating | - | IP20 | |
| Protection class | - | Class I | |
| Material | - | Anodised aluminium profile | |
| Assembly | - | Clip for DIN rail | |
| Service/storage temperature | °C | -25 °C ~ +70 °C | |
| Overcurrent protection | - | Thermal | |
| Certificates | - | CE | |

Dimensions



THERMAL MANAGEMENT

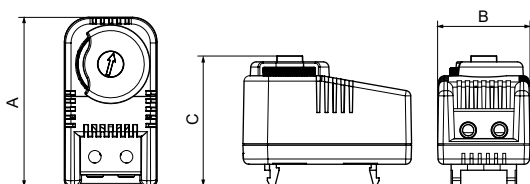
Heating

Thermostats

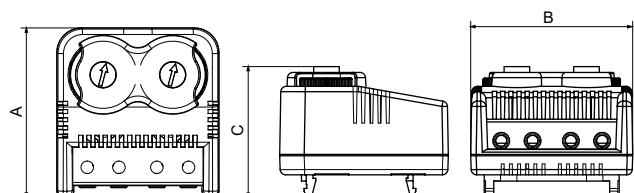


| Specifications | Units | Reference TS01 | Reference TS02 | Reference TD03 |
|-----------------------|--------|--------------------------|--------------------------|--------------------------|
| Contact | - | NC | NA | NC+NA |
| Temperature range | °C | 0 - 60 | 0 - 60 | 0 - 60 |
| Dimensions (AxBxC) | mm | 62x40x47 | 62x40x47 | 62x59x42 |
| Weight | g | 50 | 50 | 90 |
| Sensor type | - | Bimetal | Bimetal | Bimetal |
| Contact type | - | Fast action | Fast action | Fast action |
| Service | Cycles | >100000 | >100000 | >100000 |
| Electrical connection | - | 2-pole terminal | 2-pole terminal | 4-pole terminal |
| Protection rating | - | IP20 | IP20 | IP20 |
| Material | - | UL94 V0 ABS | UL94 V0 ABS | UL94 V0 ABS |
| Assembly | - | Clip for DIN rail | Clip for DIN rail | Clip for DIN rail |
| Service temperature | °C | -25 °C ~ +80 °C | -25 °C ~ +80 °C | -25 °C ~ +80 °C |
| Storage temperature | °C | -45 °C ~ +80 °C | -45 °C ~ +80 °C | -45 °C ~ +80 °C |
| Certificates | - | CE | CE | CE |

Dimensions TS01 - TS02



Dimensions TD03



Hygrostat



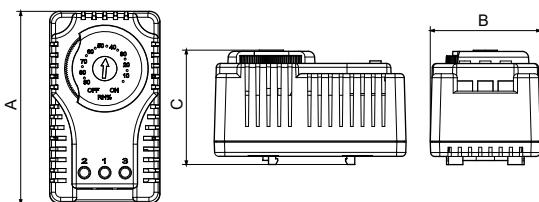
| Specifications | Units | Reference HG02 |
|--------------------------------|-----------------|--------------------------|
| Voltage | V | 110-250 |
| | Hz | 50-60 |
| Relative humidity range | %RH | 10-90 |
| Dimensions (AxBxC) | mm | 94x54x56 |
| Weight | kg | 0.16 |
| Sensor type | - | Polyamide belt |
| Electrical connection | - | 3-pole terminal |
| Cable cross section | mm ² | 0.75-4 |
| Protection rating | - | IP20 |
| Assembly | - | Clip for DIN rail |
| Service temperature | °C | +10 °C ~ +60 °C |
| Storage temperature | °C | +10 °C ~ +60 °C |
| Certificates | - | CE |

Hygrotherm



| Specifications | Units | Reference HT310 |
|--------------------------------|-------|--|
| Voltage | V | 100-220 |
| | Hz | 50-60 |
| Consumption | VA | < 6 |
| Dimensions | mm | 36x84x86 |
| Weight | kg | 0.19 |
| Display | - | 3-digit with 7 segments |
| Sensor type | - | Digital temperature / humidity sensor |
| Temperature range | °C | -19 °C ~ +80 °C |
| Relative humidity range | %RH | 5-95 |
| Resolution | - | +0.1 °C +1%RH |
| Precision | % | +1% °C +3% RH |
| Protection class | - | Class II |
| °C Out output | - | Relay (NA+NC) 250V AC 2A resistive load |
| %RH Out output | - | Relay (NA) 250V AC 2A resistive load |
| Service temperature | °C | 0 °C ~ +50 °C |
| Assembly | - | Panel |

Dimensions HG02



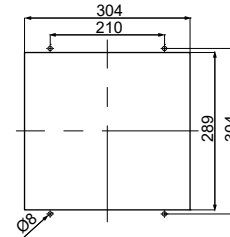
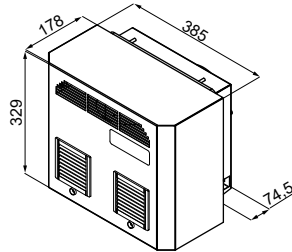
THERMAL MANAGEMENT

Refrigeration

Surface air conditioners

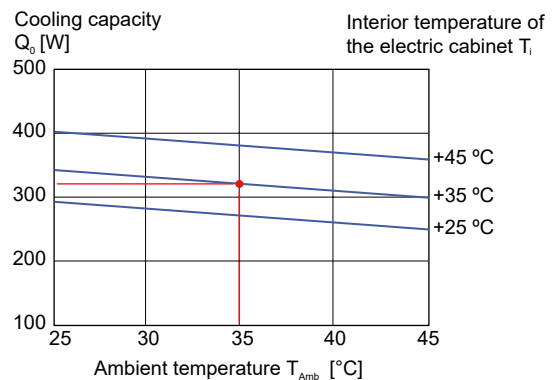
Dimensions

Cut-off dimensions



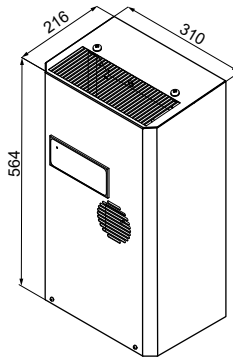
| Specifications | Units | Reference AS340/230 |
|--|------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 320 |
| | A35/A50 | 300 |
| Absorbed electric power | A35/A35 | 230 |
| Absorbed current | A35/A35 | 1.6 |
| Start-up current | - | 11.7 10.9 |
| T fuse | - | 6 |
| Air flow with free nozzle | Interior | 282 |
| | Exterior | 282 |
| Connection type | - | Plug-in connector |
| Noise level | - | < 62 |
| Weight (without packaging) | - | 17 |
| Dimensions (Height x Width x Depth) | - | 329x385x178 |
| Ambient temperature range | - | +15 °C ~ +45 °C |
| Regulation field (adjustable) | - | +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | 350 |
| Useful work cycle | - | 100 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

Graphs

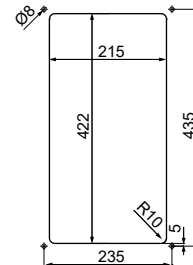


Separation of compensation fluid by discharging.
 Compact design, for small control and command cabinets.
 Integrated fault signal contact and door contact.
 Diagnostics message via status indicator.

Dimensions

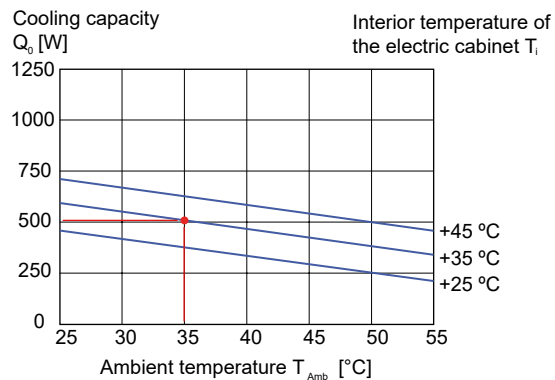


Cut-off dimensions



| Specifications | Units | Reference AS580/230 |
|--|------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 510 580 |
| | A35/A50 | 365 395 |
| Absorbed electric power | A35/A35 | 283 337 |
| Absorbed current | A35/A35 | 1.58 1.64 |
| Start-up current | - | 14.31 13.8 |
| T fuse | - | 6 |
| Air flow with free nozzle | Interior | 280 |
| | Exterior | 345 |
| Connection type | - | Plug-in connector |
| Noise level | - | < 63 |
| Weight (without packaging) | - | 22 |
| Dimensions (Height x Width x Depth) | - | 564x310x216 |
| Ambient temperature range | - | +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 250 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | 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.

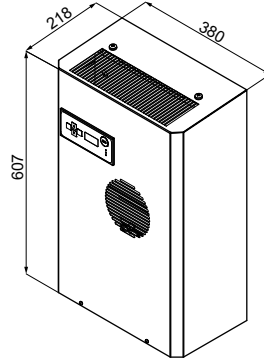
THERMAL MANAGEMENT

Refrigeration

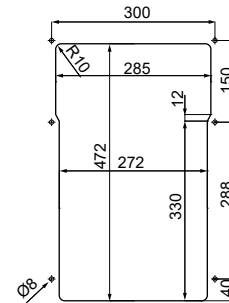
Surface air conditioners



Dimensions

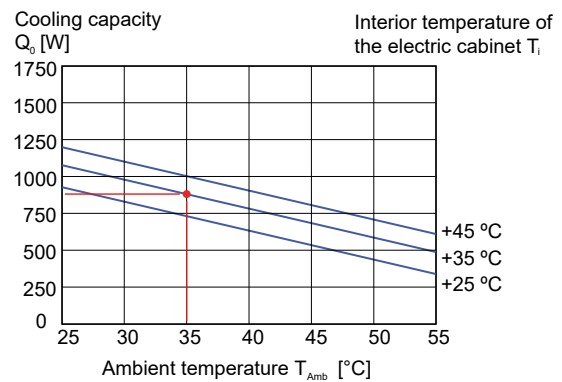


Cut-off dimensions



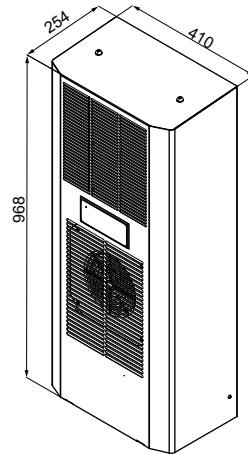
| Specifications | Units | Reference AS870/230 |
|--|------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 870 |
| | A35/A50 | 580 |
| Absorbed electric power | A35/A35 | 524 634 |
| Absorbed current | A35/A35 | 3.06 3.34 |
| Start-up current | - | 22.16 24.15 |
| T fuse | - | 10 |
| Air flow with free nozzle | Interior | 570 |
| | Exterior | 570 |
| Connection type | - | Plug-in connector |
| Noise level | - | < 63 |
| Weight (without packaging) | - | 29.5 |
| Dimensions (Height x Width x Depth) | - | 607x380x218 |
| Ambient temperature range | - | +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 400 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

Graphs

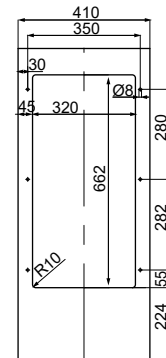


Integrated condensation fluid evaporation system with filler alarms.
 Suitable for doors over 400 mm wide.
 Wide space between the suction and discharge openings.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.
 Integrated fault signal control and door contact.

Dimensions

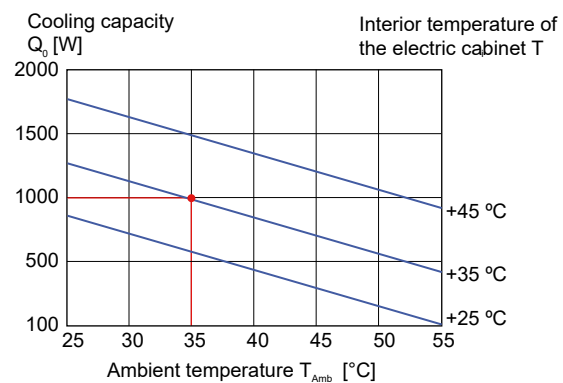


Cut-off dimensions



| Specifications | Units | Reference AS1000/230 |
|--|--------------------------|--|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 1000 |
| | A35/A50 | 590 |
| Absorbed electric power | A35/A35 | 445 560 |
| Absorbed current | A35/A35 | 2.4 2.9 |
| Start-up current | - | A 9.1 |
| T fuse | - | A 6 |
| Air flow with free nozzle | Interior | m ³ /h 885 |
| | Exterior | m ³ /h 885 |
| Cooling power coefficient | $\xi_{ke} = (Q_c/P)$ COP | 2.2 |
| Connection type | - | Plug-in connector |
| Noise level | - | dB - |
| Weight (without packaging) | - | kg 40 |
| Dimensions (Height x Width x Depth) | - | mm 968x410x254 |
| Ambient temperature range | - | °C +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | °C +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 580 |
| | 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.
 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.

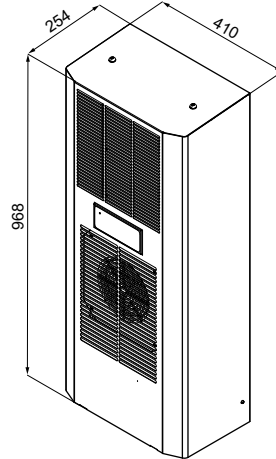
THERMAL MANAGEMENT

Refrigeration

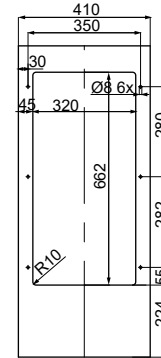
Surface air conditioners



Dimensions

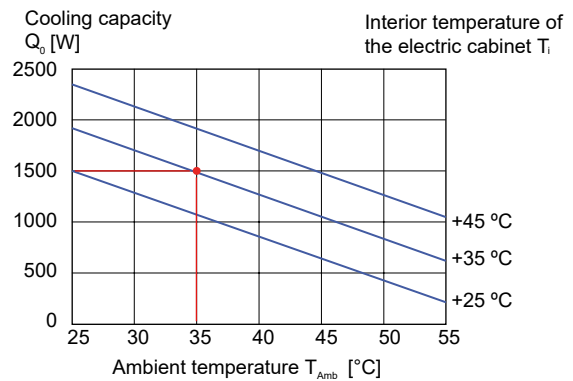


Cut-off dimensions



| Specifications | Units | Reference AS1500/230 |
|--|-------------------------------|--|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 1500 |
| | A35/A50 | 850 |
| Absorbed electric power | A35/A35 | 705 820 |
| Absorbed current | A35/A35 | 5 5.2 |
| Start-up current | A35/A35 | 16 |
| T fuse | - | A 6 |
| Air flow with free nozzle | Interior | m ³ /h 885 |
| | Exterior | m ³ /h 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 968x410x254 |
| Ambient temperature range | - | °C +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | °C +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 580 |
| | Towards the cabinet | IP54 |
| Protection rating | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

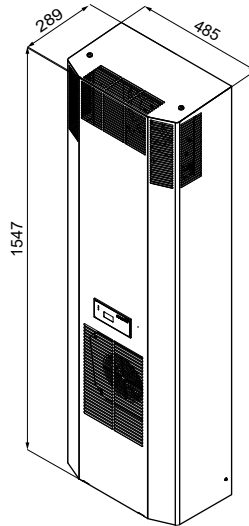
Graphs



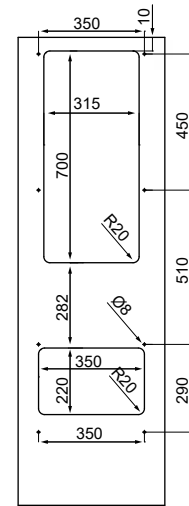
Integrated condensation fluid evaporation system with filler alarms.
 Compact design and easily re-paintable covers.
 Wide space between the suction and discharge openings.
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.
 Very high energy efficiency and easy maintenance.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.



Dimensions

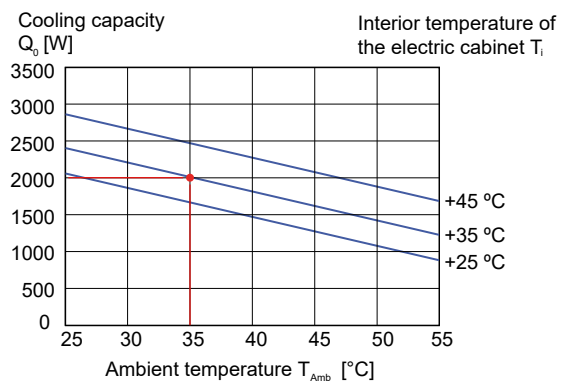


Cut-off dimensions



| Specifications | Units | Reference |
|--|-------------------------------|--|
| | | AS2000/230 |
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 2000 |
| | A35/A50 | 1440 |
| Absorbed electric power | A35/A35 | 1047 1273 |
| Absorbed current | A35/A35 | 5.45 6 |
| Start-up current | A35/A35 | 21.4 |
| T fuse | - | A 16 |
| Air flow with free nozzle | Interior | m ³ /h 935 |
| | Exterior | m ³ /h 1260 |
| Cooling power coefficient | $\epsilon_{ke} = [Q_0/P]$ COP | 1.91 |
| 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 1200 |
| | 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.
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.

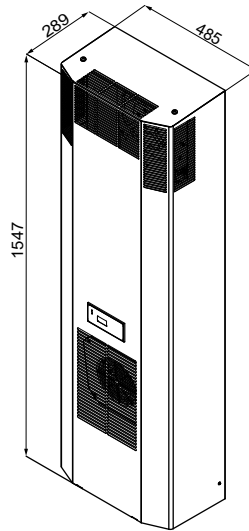
THERMAL MANAGEMENT

Refrigeration

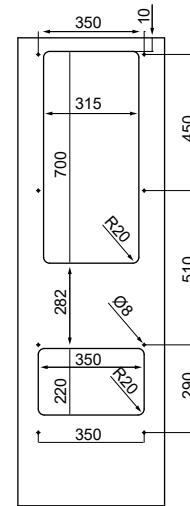
Surface air conditioners



Dimensions

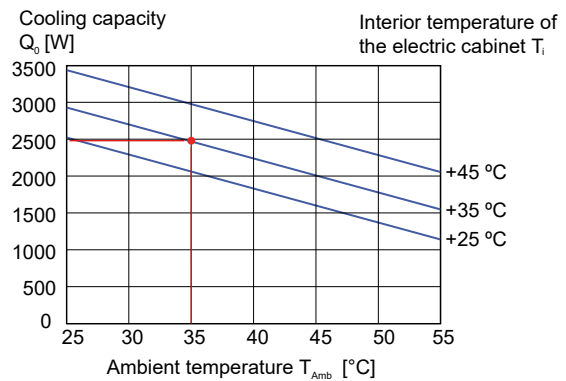


Cut-off dimensions



| 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 | m³/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 | |

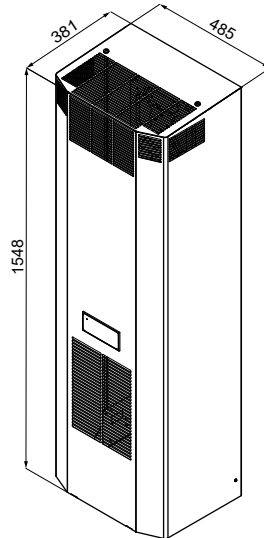
Graphs



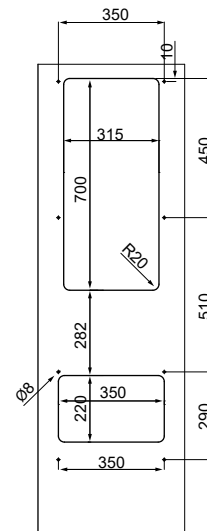
Integrated condensation fluid evaporation system with filler alarms.
 Very high energy efficiency and easy maintenance.
 Wide space between the suction and discharge openings.
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.



Dimensions

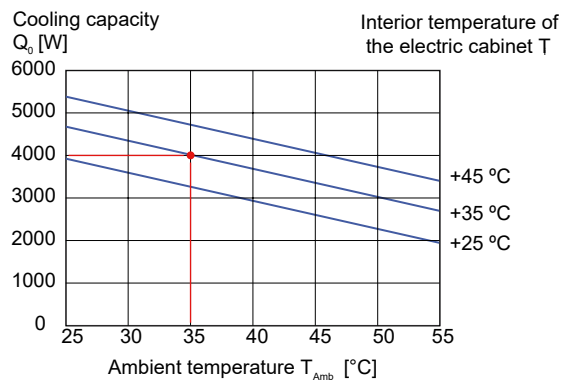


Cut-off dimensions



| Specifications | Units | Reference | AS4000/400 | |
|-------------------------------------|-------------------------|------------------------|---|------|
| Voltage | - | V3~ | 400 | 460 |
| | | Hz | 50 | 60 |
| Cooling power | A35/A35 | W | 4000 | |
| | A35/A50 | | 3050 | |
| Absorbed electric power | A35/A35 | W | 1918 | 2369 |
| Absorbed current | A35/A35 | A | 4.5 | 4.6 |
| Start-up current | A35/A35 | A | 28.3 | |
| T fuse | - | A | 16 | |
| Air flow with free nozzle | Interior | m ³ /h | 1450 | |
| | Exterior | | 1450 | |
| Cooling power coefficient | $\epsilon_{ke}=(Q_o/P)$ | COP | 2.09 | |
| Connection type | - | - | Plug-in connector | |
| Noise level | - | dB | < 70 | |
| Weight (without packaging) | - | kg | 95 | |
| Dimensions (Height x Width x Depth) | - | mm | 1548x485x381 | |
| Ambient temperature range | - | °C | +15 °C ~ +55 °C | |
| Regulation field (adjustable) | - | °C | +25 °C ~ +45 °C factory settings +35 °C | |
| Coolant | R134a | g | 2000 | |
| | | 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.
 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.

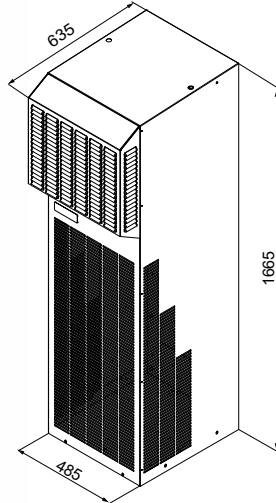
THERMAL MANAGEMENT

Refrigeration

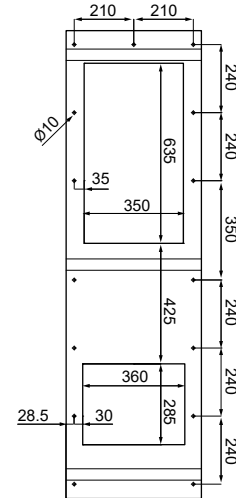
Surface air conditioners



Dimensions

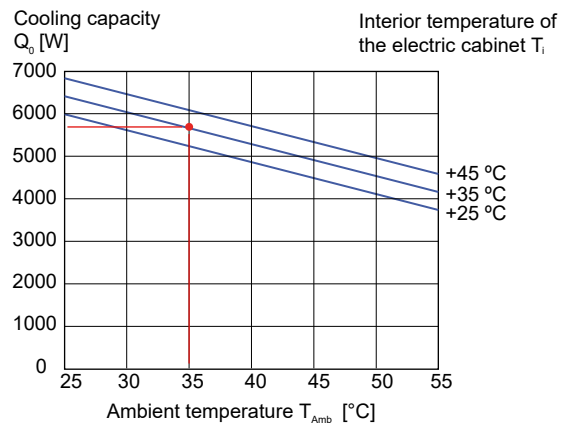


Cut-off dimensions



| Specifications | Units | Reference AS5800/400 |
|--|---------------------|--|
| Voltage | - | V3~ 400 460 |
| | - | Hz 50 60 |
| Cooling power | A35/A35 | W 5215.5 5795 |
| | A35/A50 | W 4209 4678 |
| Absorbed electric power | A35/A35 | W 2920 |
| Absorbed current | A35/A35 | A 6.3 |
| Start-up current | A35/A35 | A 25 |
| T fuse | - | A 15 |
| Air flow with free nozzle | Interior | m ³ /h 2365 |
| | Exterior | m ³ /h 2365 |
| Connection type | - | Plug-in connector |
| Noise level | - | dB < 73 |
| Weight (without packaging) | - | kg 108 |
| Dimensions (Height x Width x Depth) | - | mm 1665x485x635 |
| Ambient temperature range | - | °C 0 °C ~ +55 °C |
| Regulation field (adjustable) | - | °C +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 1300 |
| Useful work cycle | - | % 100 |
| Protection rating | Towards the cabinet | IP56 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

Graphs



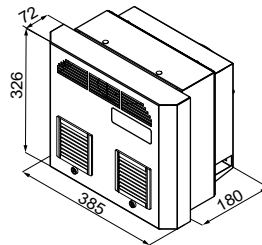
Integrated condensation fluid evaporation system with filler alarms.
 Recommended for use in food industry.
 Wide space between the suction and discharge openings.
 Capacitor with high vane separation for effective protection in a significantly contaminated.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.
 NEMA type 3R/4 with UL certificate.

IP
34IP
54IP
56

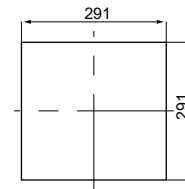
CE

Semi-recessed air conditioners

Dimensions

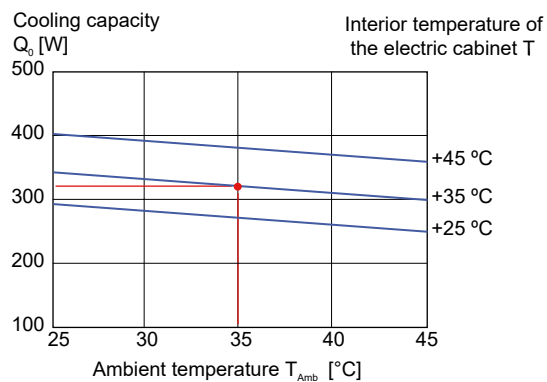


Cut-off dimensions



| Specifications | Units | Reference ASE340/230 |
|--|------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 320 340 |
| | A35/A50 | 300 330 |
| Absorbed electric power | A35/A35 | 230 240 |
| Absorbed current | A35/A35 | 1.6 |
| Start-up current | A35/A35 | 11.7 10.9 |
| T fuse | - | A 6 |
| Air flow with free nozzle | Interior | m ³ /h 282 |
| | Exterior | m ³ /h 282 |
| Connection type | - | Plug-in connector |
| Noise level | - | dB < 62 |
| Weight (without packaging) | - | kg 16 |
| Dimensions (Height x Width x Depth) | - | mm 326x385x72 |
| Interior depth | - | mm 180 |
| Ambient temperature range | - | °C +15 °C ~ +45 °C |
| Regulation field (adjustable) | - | °C +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 350 |
| Useful work cycle | - | % 100 |
| 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.
 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.

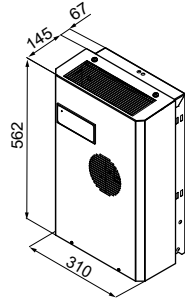
THERMAL MANAGEMENT

Refrigeration

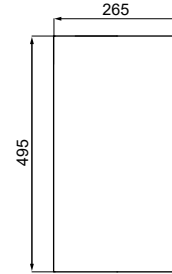
Semi-recessed air conditioners



Dimensions

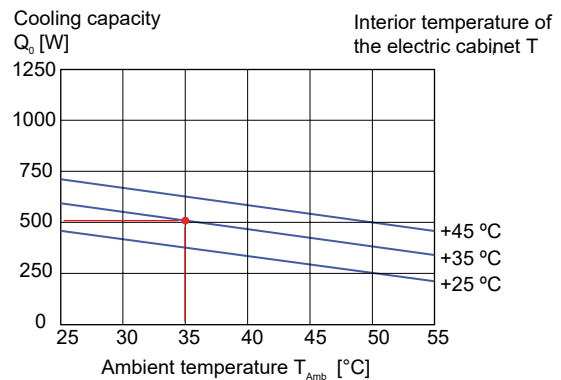


Cut-off dimensions



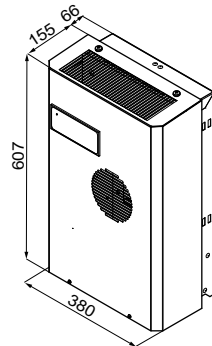
| Specifications | Units | Reference ASE580/230 |
|--|------------------------|--|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 510 580 |
| | A35/A50 | 365 395 |
| Absorbed electric power | A35/A35 | 283 337 |
| Absorbed current | A35/A35 | 1.58 1.64 |
| Start-up current | A35/A35 | 14.31 13.8 |
| T fuse | - | A 6 |
| Air flow with free nozzle | Interior | m ³ /h 280 |
| | Exterior | m ³ /h 345 |
| Connection type | - | Plug-in connector |
| Noise level | - | dB < 63 |
| Weight (without packaging) | - | kg 21 |
| Dimensions (Height x Width x Depth) | - | mm 562x310x145 |
| Interior depth | - | mm 67 |
| Ambient temperature range | - | °C +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | °C +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 250 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

Graphs

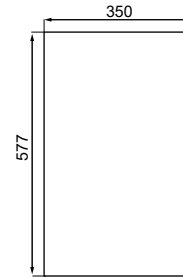


For lateral partially recessed installation or in door.
 Separation of compensation fluid by discharging.
 Suitable for doors over 400 mm wide.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.
 Integrated fault signal control and door contact.
 Quick and easy installation without holes.

Dimensions

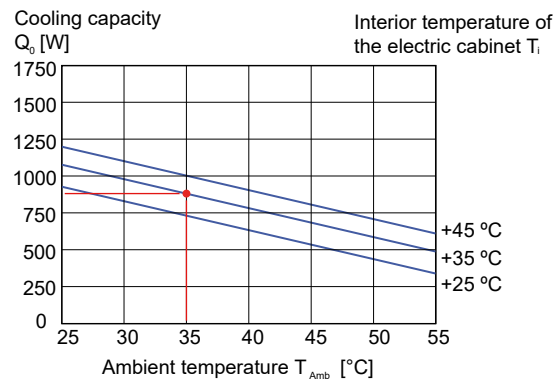


Cut-off dimensions



| Specifications | Units | | Reference ASE870/230 | |
|--|------------------------|-------------------|---|-------|
| Voltage | - | V | 230 | |
| | - | Hz | 50 | 60 |
| Cooling power | A35/A35 | W | 870 | |
| | A35/A50 | | 580 | |
| Absorbed electric power | A35/A35 | W | 524 | 634 |
| Absorbed current | A35/A35 | A | 3.06 | 3.34 |
| Start-up current | A35/A35 | A | 22.16 | 24.15 |
| T fuse | - | A | 10 | |
| Air flow with free nozzle | Interior | m ³ /h | 570 | |
| | Exterior | | 570 | |
| Connection type | - | - | Plug-in connector | |
| Noise level | - | dB | < 63 | |
| Weight (without packaging) | - | kg | 29.5 | |
| Dimensions (Height x Width x Depth) | - | mm | 607x380x155 | |
| Interior depth | - | mm | 66 | |
| Ambient temperature range | - | °C | +15 °C ~ +55 °C | |
| Regulation field (adjustable) | - | °C | +25 °C ~ +45 °C factory settings +35 °C | |
| Coolant | R134a | g | 400 | |
| Protection rating | Towards the cabinet | | IP54 | |
| | Towards the atmosphere | | IP34 | |
| Materials | - | - | Galvanised steel | |
| Colour | - | RAL | 7035 | |

Graphs



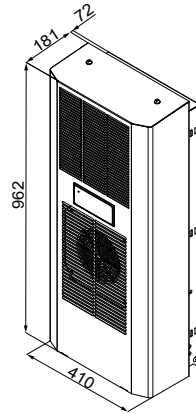
For lateral partially recessed installation or in door.
 Integrated condensation fluid evaporation system with filler alarms.
 Wide space between the suction and discharge openings.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.
 Integrated fault signal control and door contact.
 Quick and easy installation without holes.

THERMAL MANAGEMENT

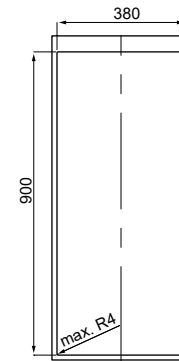
Refrigeration

Semi-recessed air conditioners

Dimensions

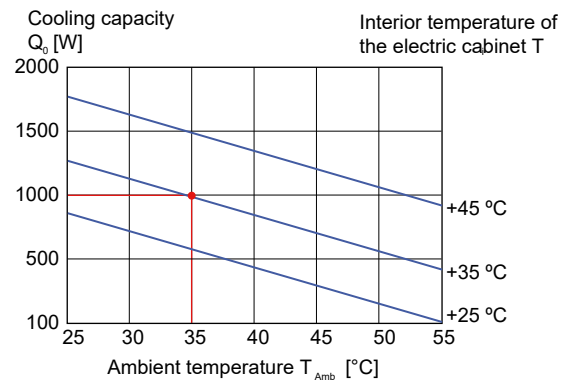


Cut-off dimensions



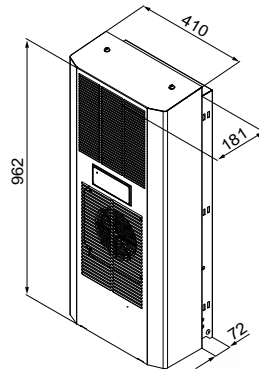
| Specifications | Units | Reference ASE1000/230 |
|--|-------------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 1000 |
| | A35/A50 | 590 |
| Absorbed electric power | A35/A35 | 445 560 |
| Absorbed current | A35/A35 | 2.4 2.9 |
| Start-up current | A35/A35 | 9.1 |
| T fuse | - | A 6 |
| Air flow with free nozzle | Interior | m ³ /h 885 |
| | Exterior | m ³ /h 885 |
| Cooling power coefficient | $\epsilon_{ke} = (Q_c/P)$ COP | 2.2 |
| 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

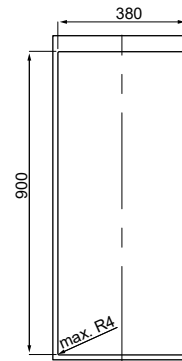


For lateral partially recessed installation or in door.
 Integrated condensation fluid evaporation system with filler alarms.
 Compact design, for small control and command cabinets.
 Wide space between suction and discharge openings.
 Very high efficiency and easy maintenance.
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.

Dimensions

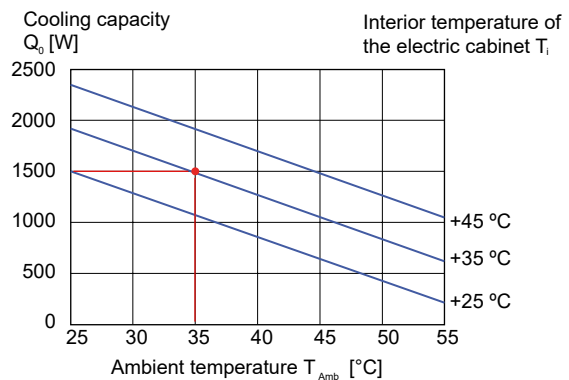


Cut-off dimensions



| 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.

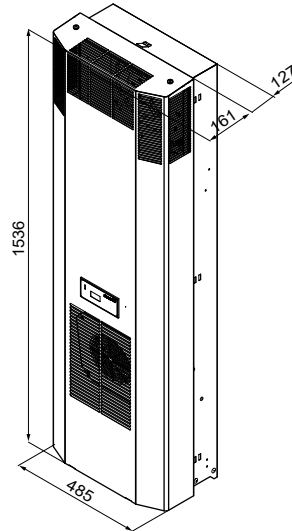
THERMAL MANAGEMENT

Refrigeration

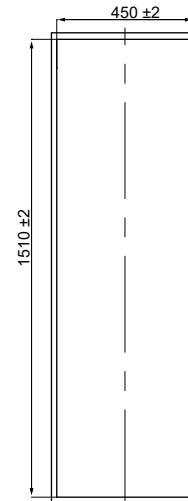
Semi-recessed air conditioners



Dimensions

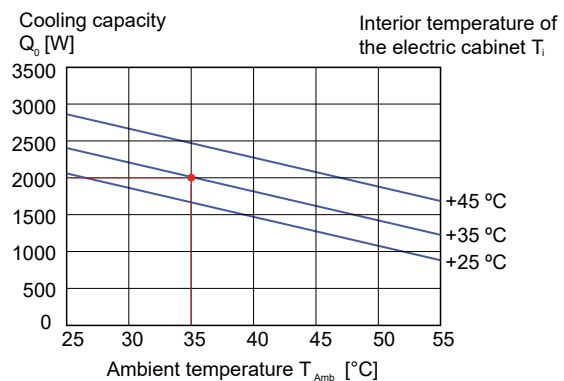


Cut-off dimensions



| Specifications | Units | Reference ASE2000/230 |
|--|-----------------------------|--|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 2000 |
| | A35/A50 | 1440 |
| Absorbed electric power | A35/A35 | 1047 1273 |
| Absorbed current | A35/A35 | 5.45 6 |
| Start-up current | A35/A35 | 21.4 |
| T fuse | - | A 16 |
| Air flow with free nozzle | Interior | m ³ /h 935 |
| | Exterior | m ³ /h 1260 |
| Cooling power coefficient | $\epsilon_{ke}=(Q_c/P)$ COP | 1.91 |
| Connection type | - | Plug-in connector |
| Noise level | - | dB < 65 |
| Weight (without packaging) | - | kg 67 |
| Dimensions (Height x Width x Depth) | - | mm 1536x485x161 |
| Interior depth | - | mm 127 |
| Ambient temperature range | - | °C +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | °C +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 1200 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

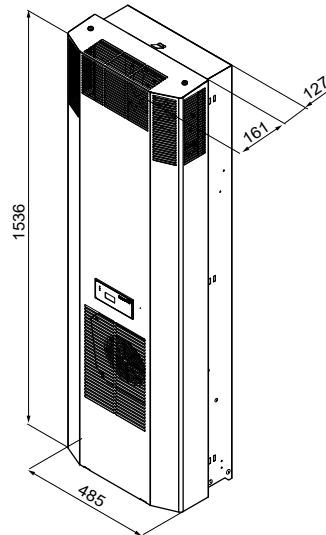
Graphs



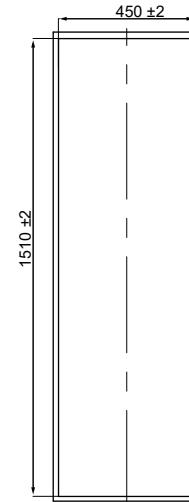
For lateral partially recessed installation or in door.
 Integrated condensation fluid evaporation system with filler alarms.
 Wide space between the suction and discharge openings.
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.
 Very high energy efficiency and easy maintenance.



Dimensions

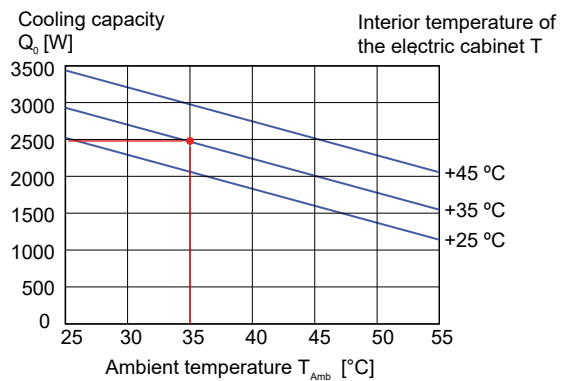


Cut-off dimensions



| Specifications | Units | Reference ASE2500/400 |
|--|------------------------|--|
| Voltage | - | V3~ 400 460 |
| | - | Hz 50 60 |
| Cooling power | A35/A35 | 2500 |
| | A35/A50 | 1800 |
| Absorbed electric power | A35/A35 | 1048 1247 |
| Absorbed current | A35/A35 | 3.27 3.1 |
| Start-up current | A35/A35 | 16 |
| T fuse | - | 16 |
| Air flow with free nozzle | Interior | 935 |
| | Exterior | 1260 |
| Cooling power coefficient | $\xi_{ke}=(Q_c/P)$ COP | 2.39 |
| Connection type | - | Plug-in connector |
| Noise level | - | dB < 65 |
| Weight (without packaging) | - | kg 67 |
| Dimensions (Height x Width x Depth) | - | mm 1536x485x161 |
| Interior depth | - | mm 127 |
| Ambient temperature range | - | °C +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | °C +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 1400 |
| 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.
 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.

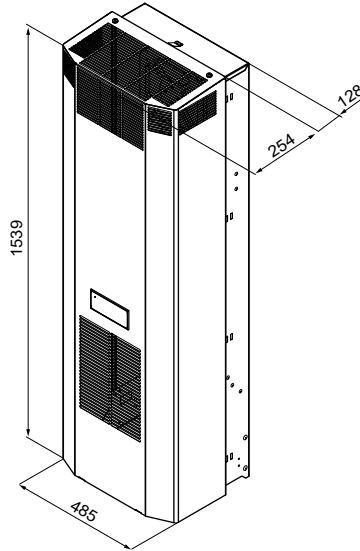
THERMAL MANAGEMENT

Refrigeration

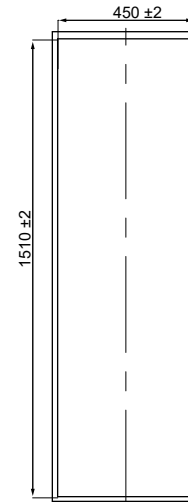
Semi-recessed air conditioners



Dimensions

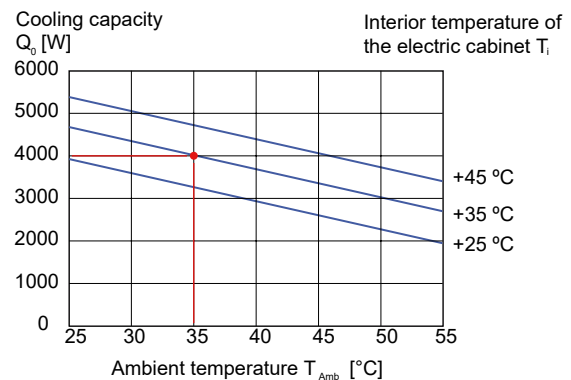


Cut-off dimensions



| Specifications | Units | Reference ASE4000/400 |
|--|-------------------------------|---|
| Voltage | - | V3~ 400 460 |
| | - | Hz 50 60 |
| Cooling power | A35/A35 | 4000 |
| | A35/A50 | 3050 |
| Absorbed electric power | A35/A35 W | 1918 2369 |
| Absorbed current | A35/A35 A | 4.5 4.6 |
| Start-up current | A35/A35 A | 28.3 |
| T fuse | - A | 16 |
| Air flow with free nozzle | Interior | 1450 |
| | Exterior | 1450 |
| Cooling power coefficient | $\epsilon_{ke} = (Q_c/P)$ COP | 2.09 |
| Connection type | - | Plug-in connector |
| Noise level | - dB | < 70 |
| Weight (without packaging) | - kg | 91 |
| Dimensions (Height x Width x Depth) | - mm | 1539x485x254 |
| Interior depth | - mm | 128 |
| Ambient temperature range | - °C | +15 °C ~ +55 °C |
| Regulation field (adjustable) | - °C | +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a g | 2000 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - RAL | 7035 |

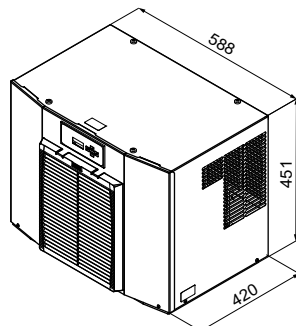
Graphs



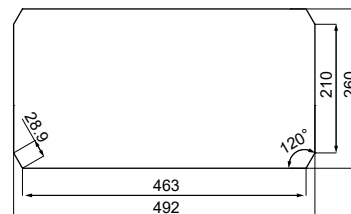
For lateral partially recessed installation or in door.
 Integrated condensation fluid evaporation system with filler alarms.
 Wide space between the suction and discharge openings.
 Capacitor with high vane separation for effective protection in a significantly contaminated atmosphere.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.
 Very high energy efficiency and easy maintenance.

Ceiling air conditioners

Dimensions

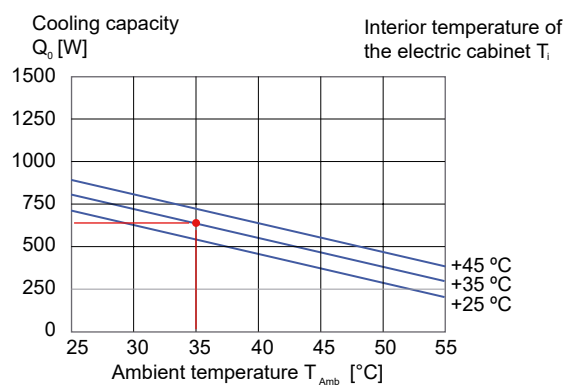


Cut-off dimensions



| Specifications | Units | Reference AT600/230 |
|--|------------------------|--|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 640 |
| | A35/A50 | 370 400 |
| Absorbed electric power | A35/A35 | 450 540 |
| Absorbed current | A35/A35 | 2.1 2.3 |
| Start-up current | A35/A35 | 19.7 23 |
| T fuse | - | A 10 |
| Air flow with free nozzle | Interior | m ³ /h 570 590 |
| | Exterior | - - |
| Connection type | - | Plug-in connector |
| Noise level | - | dB < 62 |
| Weight (without packaging) | - | kg 33 |
| Dimensions (Height x Width x Depth) | - | mm 451x588x420 |
| Ambient temperature range | - | °C +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | °C +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 400 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

Graphs



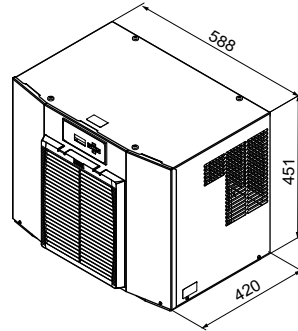
Integrated condensation fluid evaporation system with filler alarms.
 Safety and protection against condensation fluid.
 Easy to assemble, does not require special tools.
 Easy to maintain, fully-removable cover, easy access to control and filter elements.
 Energy efficiency with 20% savings.

THERMAL MANAGEMENT

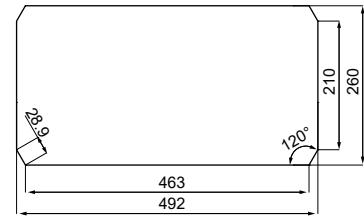
Refrigeration

Ceiling air conditioners

Dimensions

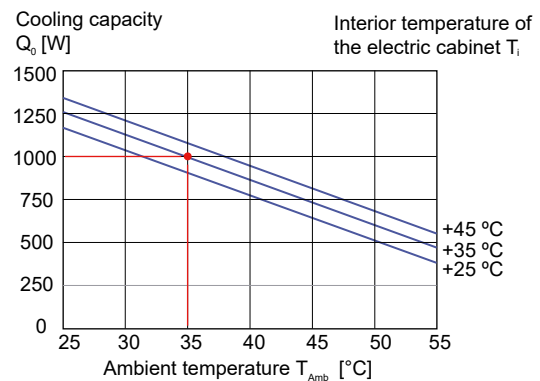


Cut-off dimensions



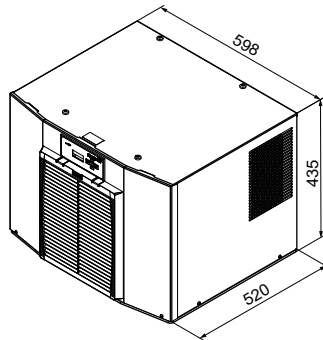
| Specifications | Units | Reference AT1000/230 |
|--|------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 1000 |
| | A35/A50 | 600 640 |
| Absorbed electric power | A35/A35 | 440 570 |
| Absorbed current | A35/A35 | 2,4 2,7 |
| Start-up current | A35/A35 | 9,1 11,5 |
| T fuse | - | 6 |
| Air flow with free nozzle | Interior | 570 |
| | Exterior | - |
| Connection type | - | Plug-in connector |
| Noise level | - | < 62 |
| Weight (without packaging) | - | 35 |
| Dimensions (Height x Width x Depth) | - | 451x588x420 |
| Ambient temperature range | - | +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | 400 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

Graphs

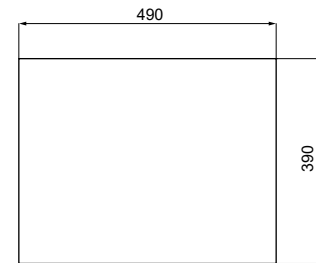


Integrated condensation fluid evaporation system with filler alarms.
 Safety and protection against condensation fluid.
 Easy to assemble, does not require special tools.
 Easy to maintain, fully-removable cover, easy access to control and filter elements.
 Energy efficiency with 20% savings.

Dimensions

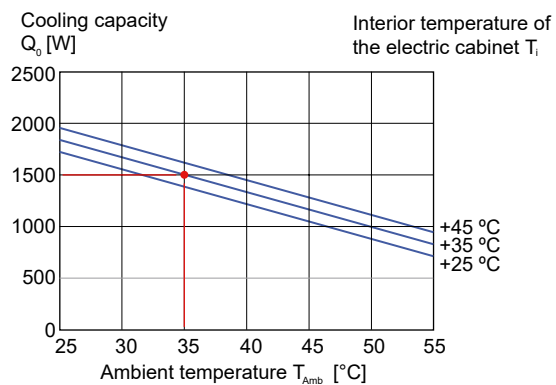


Cut-off dimensions



| Specifications | Units | Reference AT1500/230 |
|--|------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 1500 |
| | A35/A50 | 1000 |
| Absorbed electric power | A35/A35 | 980 |
| Absorbed current | A35/A35 | 5.73 |
| Start-up current | A35/A35 | 19.7 |
| T fuse | - | 10 |
| Air flow with free nozzle | Interior | 885 |
| | Exterior | 1820 |
| Connection type | - | Plug-in connector |
| Noise level | - | < 62 |
| Weight (without packaging) | - | 45 |
| Dimensions (Height x Width x Depth) | - | 435x598x520 |
| Ambient temperature range | - | +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | 725 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

Graphs



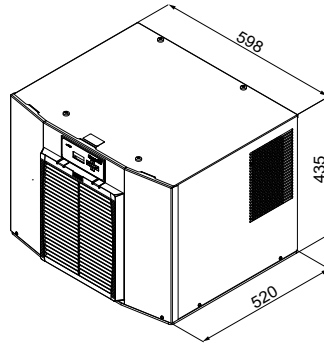
Integrated condensation fluid evaporation system with filler alarms.
 Safety and protection against condensation fluid.
 Easy to assemble, does not require special tools.
 Easy to maintain, fully-removable cover, easy access to control and filter elements.
 Energy efficiency with 20% savings.

THERMAL MANAGEMENT

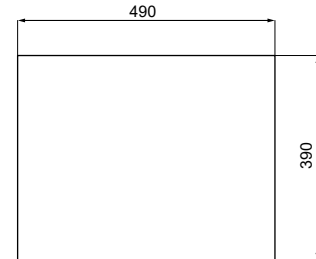
Refrigeration

Ceiling air conditioners

Dimensions

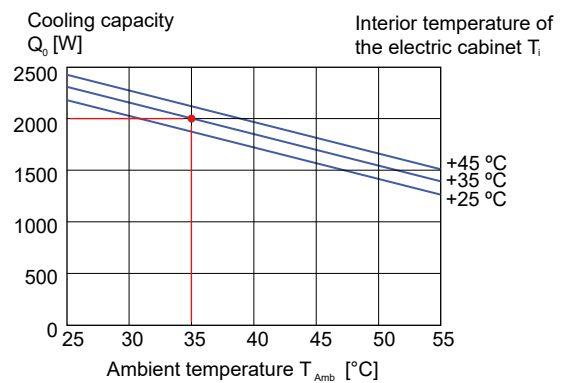


Cut-off dimensions



| Specifications | Units | Reference AT2000/230 |
|--|------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | A35/A35 | 2000 |
| | A35/A50 | 1540 |
| Absorbed electric power | A35/A35 | 1049 |
| | A35/A50 | 1275 |
| Absorbed current | A | 6.2 7 |
| Start-up current | A | 16.8 20 |
| T fuse | A | 10 |
| Air flow with free nozzle | Interior | 885 |
| | Exterior | 1820 |
| Connection type | - | Plug-in connector |
| Noise level | dB | < 62 |
| Weight (without packaging) | kg | 46 |
| Dimensions (Height x Width x Depth) | mm | 435x598x520 |
| Ambient temperature range | °C | +15 °C ~ +55 °C |
| Regulation field (adjustable) | °C | +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a g | 750 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | RAL | 7035 |

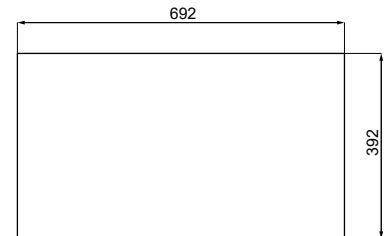
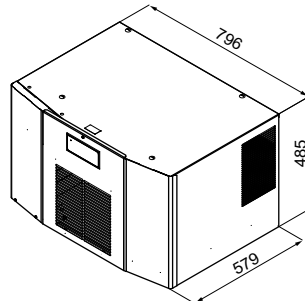
Graphs



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.

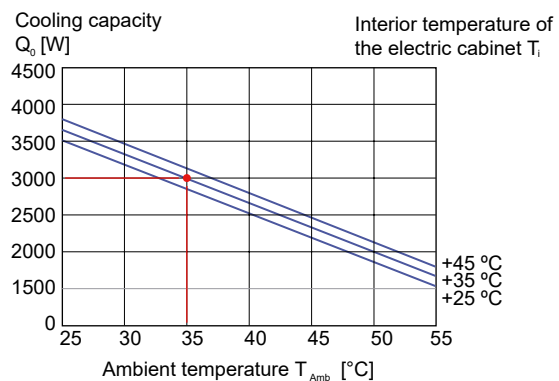
Dimensions

Cut-off dimensions



| Specifications | Units | Reference AT3000/400 |
|--|------------------------|---|
| Voltage | V3~ | 400 |
| | Hz | 50 |
| Cooling power | A35/A35 | 3000 |
| | A35/A50 | 2000 |
| Absorbed electric power | A35/A35 | 1700 |
| Absorbed current | A35/A35 | 3.16 |
| Start-up current | A35/A35 | 8.9 |
| T fuse | - | 6 |
| Air flow with free nozzle | Interior | 1420 |
| | Exterior | 1970 |
| Connection type | - | Plug-in connector |
| Noise level | - | < 62 |
| Weight (without packaging) | - | 75 |
| Dimensions (Height x Width x Depth) | - | 485x796x579 |
| Ambient temperature range | - | +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | 1250 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

Graphs



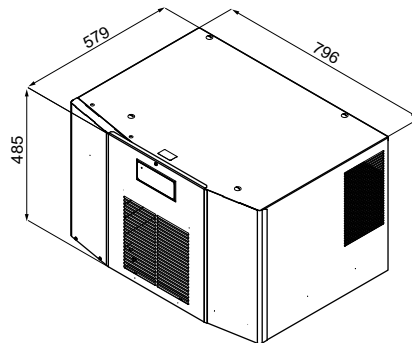
Integrated condensation fluid evaporation system with filler alarms.
 Safety and protection against condensation fluid.
 Easy to assemble, does not require special tools.
 Easy to maintain, fully-removable cover, easy access to control and filter elements.
 Energy efficiency with 20% savings.

THERMAL MANAGEMENT

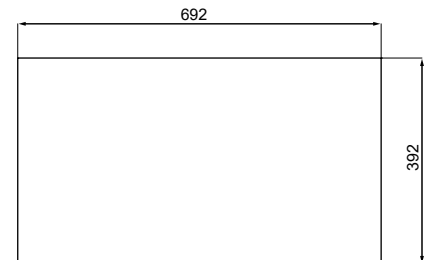
Refrigeration

Ceiling air conditioners

Dimensions

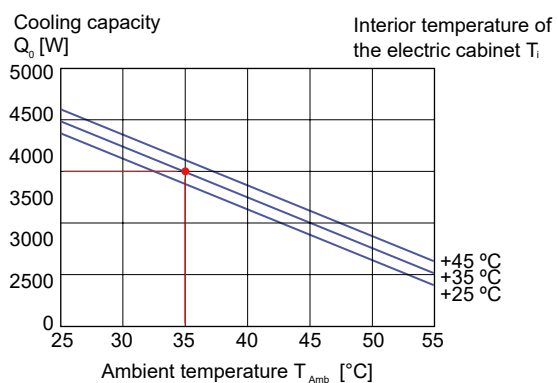


Cut-off dimensions



| Specifications | Units | Reference AT4000/400 |
|--|------------------------|--|
| Voltage | - | V3~ 400 |
| | - | Hz 50 |
| Cooling power | A35/A35 | 4000 |
| | A35/A50 | 3260 |
| Absorbed electric power | A35/A35 | 1618 |
| Absorbed current | A35/A35 | 4.6 |
| Start-up current | A35/A35 | 17.1 |
| T fuse | - | A 6 |
| Air flow with free nozzle | Interior | m ³ /h 1420 |
| | Exterior | m ³ /h 1970 |
| Connection type | - | Plug-in connector |
| Noise level | - | dB < 62 |
| Weight (without packaging) | - | kg 77 |
| Dimensions (Height x Width x Depth) | - | mm 485x796x579 |
| Ambient temperature range | - | °C +15 °C ~ +55 °C |
| Regulation field (adjustable) | - | °C +25 °C ~ +45 °C factory settings +35 °C |
| Coolant | R134a | g 1250 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | - | RAL 7035 |

Graphs

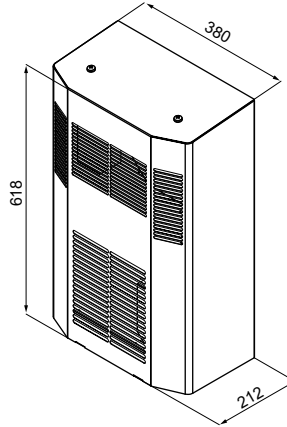


Integrated condensation fluid evaporation system with filler alarms.
 Safety and protection against condensation fluid.
 Easy to assemble, does not require special tools.
 Easy to maintain, fully-removable cover, easy access to control and filter elements.
 Energy efficiency with 20% savings.

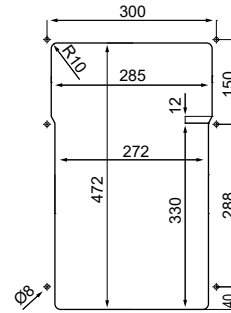
Air-air heat exchanger



Dimensions

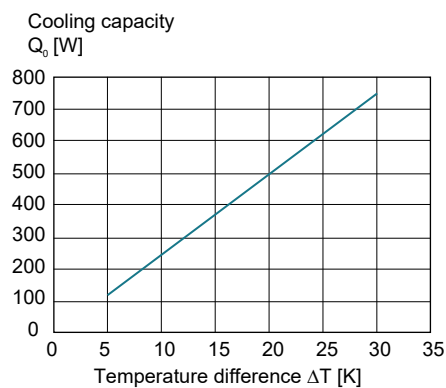


Cut-off dimensions



| Specifications | Units | Reference IR20/230 |
|--|------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | W | 20 |
| Absorbed electric power | W | 50 56 |
| Absorbed current | A | 0.25 0.26 |
| Start-up current | A | 0.7 0.8 |
| T fuse | A | 1 |
| Air flow with free nozzle | Interior | m ³ /h 240 280 |
| | Exterior | m ³ /h 240 280 |
| Connection type | - | Plug-in connector |
| Noise level | dB | < 61 |
| Weight (without packaging) | kg | 15.2 |
| Dimensions (Height x Width x Depth) | mm | 618x380x212 |
| Ambient temperature range | °C | -25 °C ~ +55 °C |
| Regulation field (adjustable) | Regulation thermostat | °C +20 °C ~ +55 °C factory settings +35 °C |
| | Alarm thermostat | °C +30 °C ~ +65 °C factory settings +45 °C |
| Useful work cycle | % | 100 |
| Protection rating | Towards the cabinet | IP54 |
| | Towards the atmosphere | IP34 |
| Materials | - | Galvanised steel |
| Colour | 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.

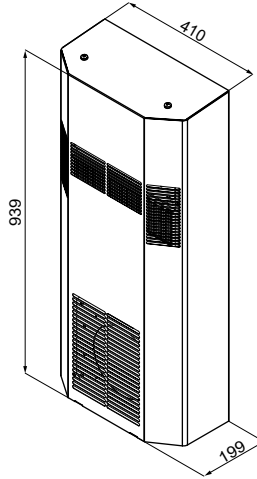
THERMAL MANAGEMENT

Refrigeration

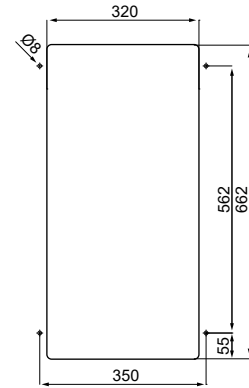
Air-air heat exchanger



Dimensions

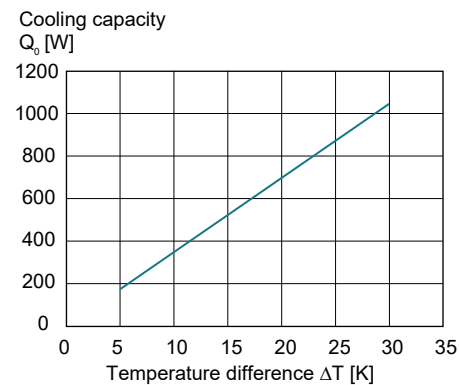


Cut-off dimensions



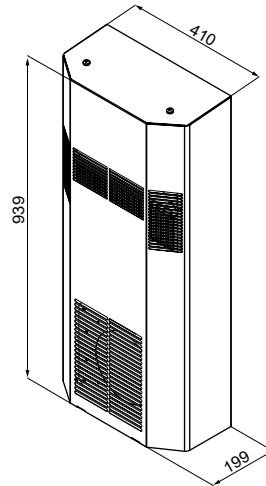
| Specifications | Units | Reference | IR35/230 | |
|--|------------------------|-------------------|---|-----|
| Voltage | - | V | 230 | |
| | | Hz | 50 | 60 |
| Cooling power | - | W | 35 | |
| Absorbed electric power | - | W | 170 | 180 |
| Absorbed current | - | A | 0.8 | 1 |
| Start-up current | - | A | 1.9 | 1.8 |
| T fuse | - | A | 2 | |
| Air flow with free nozzle | Interior | m ³ /h | 850 | 900 |
| | Exterior | | 850 | 900 |
| Connection type | - | - | Plug-in connector | |
| Noise level | - | dB | < 64 | |
| Weight (without packaging) | - | kg | 24.9 | |
| Dimensions (Height x Width x Depth) | - | mm | 939x410x199 | |
| Ambient temperature range | - | °C | -25 °C ~ +55 °C | |
| Regulation field (adjustable) | Regulation thermostat | °C | +20 °C ~ +55 °C factory settings +35 °C | |
| | Alarm thermostat | | +30 °C ~ +65 °C factory settings +45 °C | |
| Useful work cycle | - | % | 100 | |
| Protection rating | Towards the cabinet | - | IP54 | |
| | Towards the atmosphere | - | IP34 | |
| Materials | - | - | Galvanised steel | |
| Colour | - | RAL | 7035 | |

Graphs

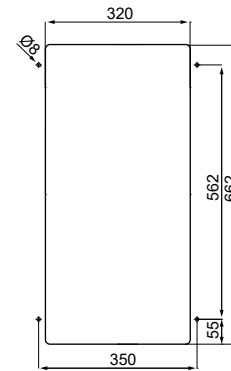


For exterior side installation or on door.
 Integrated thermostat for temperature control.
 Additional thermostat for signalling excess temperature.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.
 Wide space between the suction and discharge openings.

Dimensions

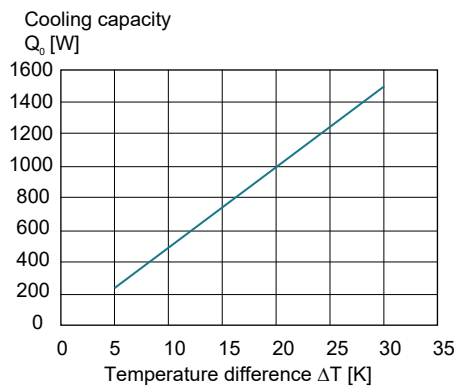


Cut-off dimensions



| Specifications | Units | | Reference IR50/230 | |
|--|------------------------|-------------------|---|-----|
| Voltage | - | V | 230 | |
| | - | Hz | 50 | 60 |
| Cooling power | - | W | 50 | |
| Absorbed electric power | - | W | 170 | 180 |
| Absorbed current | - | A | 0.8 | 1 |
| Start-up current | - | A | 1.9 | 1.8 |
| T fuse | - | A | 2 | |
| Air flow with free nozzle | Interior | m ³ /h | 850 | 900 |
| | Exterior | | 850 | 900 |
| Connection type | - | - | Plug-in connector | |
| Noise level | - | dB | < 64 | |
| Weight (without packaging) | - | kg | 24.9 | |
| Dimensions (Height x Width x Depth) | - | mm | 939x410x199 | |
| Ambient temperature range | - | °C | -25 °C ~ +55 °C | |
| Regulation field (adjustable) | Regulation thermostat | °C | +20 °C ~ +55 °C factory settings +35 °C | |
| | Alarm thermostat | | +30 °C ~ +65 °C factory settings +45 °C | |
| Useful work cycle | - | % | 100 | |
| Protection rating | Towards the cabinet | - | IP54 | |
| | Towards the atmosphere | - | IP34 | |
| Materials | - | - | Galvanised steel | |
| Colour | - | 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.

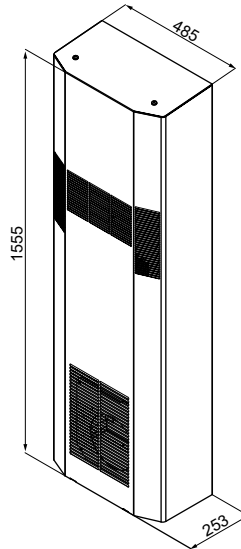
THERMAL MANAGEMENT

Refrigeration

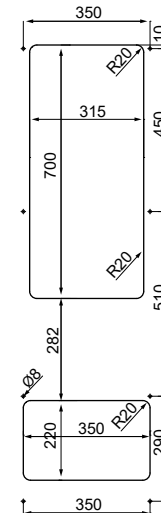
Air-air heat exchanger



Dimensions



Cut-off dimensions



Specifications

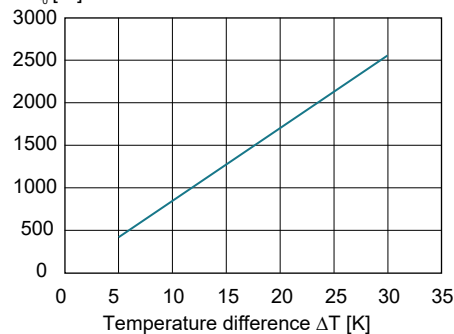
Units

Reference IR85/230

| | | | | |
|--|------------------------|-------------------|---|------|
| Voltage | - | V | 230 | |
| | - | Hz | 50 | 60 |
| Cooling power | - | W | 85 | |
| Absorbed electric power | - | W | 310 | 420 |
| Absorbed current | - | A | 1.3 | 1.7 |
| Start-up current | - | A | 3.5 | 3.3 |
| T fuse | - | A | 2 | |
| Air flow with free nozzle | Interior | m ³ /h | 1175 | 1300 |
| | Exterior | | 1175 | 1300 |
| Connection type | - | - | Plug-in connector | |
| Noise level | - | dB | < 69 | |
| Weight (without packaging) | - | kg | 46.3 | |
| Dimensions (Height x Width x Depth) | - | mm | 1555x485x253 | |
| Ambient temperature range | - | °C | -25 °C ~ +55 °C | |
| Regulation field (adjustable) | Regulation thermostat | °C | +20 °C ~ +55 °C factory settings +35 °C | |
| | Alarm thermostat | | +30 °C ~ +65 °C factory settings +45 °C | |
| Useful work cycle | - | % | 100 | |
| Protection rating | Towards the cabinet | - | IP54 | |
| | Towards the atmosphere | - | IP34 | |
| Materials | - | - | Galvanised steel | |
| Colour | - | RAL | 7035 | |

Graphs

Cooling capacity Q₀ [W]

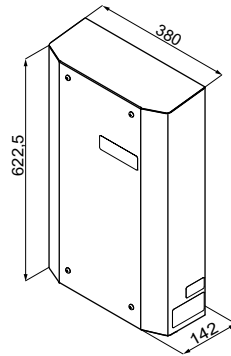


For exterior side installation or on door.
 Integrated thermostat for temperature control.
 Additional thermostat for signalling excess temperature.
 Safe circulation via prolonged ventilation pipe and elimination of hot points.
 Wide space between the suction and discharge openings.

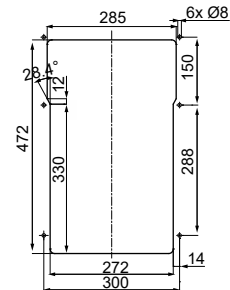
Air-water heat exchanger



Dimensions



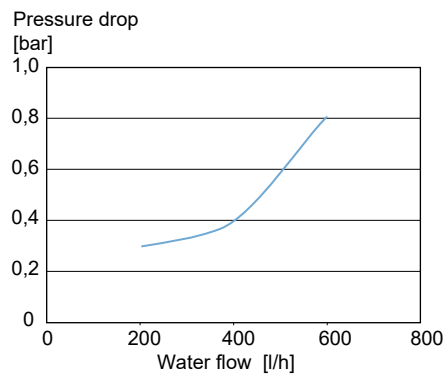
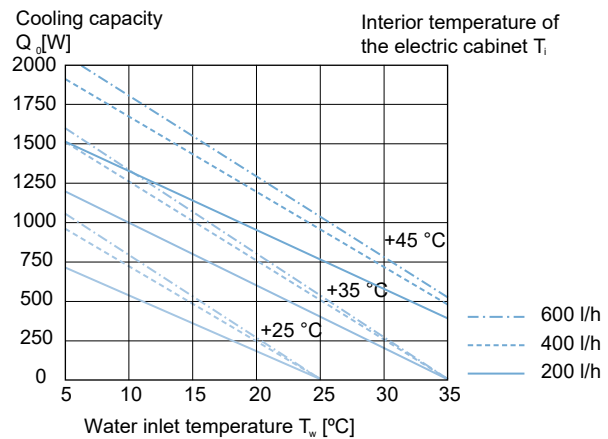
Cut-off dimensions



| Specifications | Units | Reference IG1000/230 |
|--|---------------------|-------------------------|
| Voltage | - | V |
| | - | Hz |
| Cooling power | W10/A35 | W |
| Absorbed electric power | W10/A35 | W |
| Absorbed current | W10/A35 | A |
| Start-up current | W10/A35 | A |
| T fuse | - | A |
| Air flow with free nozzle | Interior | m ³ /h |
| Connection type | Electro | - |
| | Fluid | - |
| Noise level | - | dB |
| Weight (without packaging) | - | kg |
| Dimensions (Height x Width x Depth) | - | mm |
| Ambient temperature range | - | °C |
| Regulation field (adjustable) | - | °C |
| Water inlet temperature | - | °C |
| Accepted operating pressure | - | bar |
| Useful work cycle | - | % |
| Protection rating | Towards the cabinet | |
| | Housing | |
| Materials | Heat exchangers | |
| Colour | - | RAL |

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



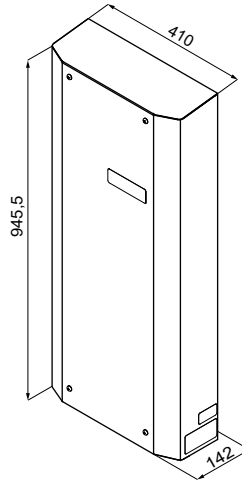
THERMAL MANAGEMENT

Refrigeration

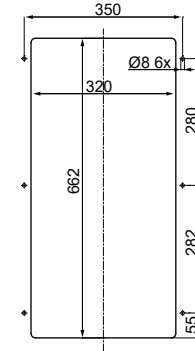
Air-water heat exchanger



Dimensions

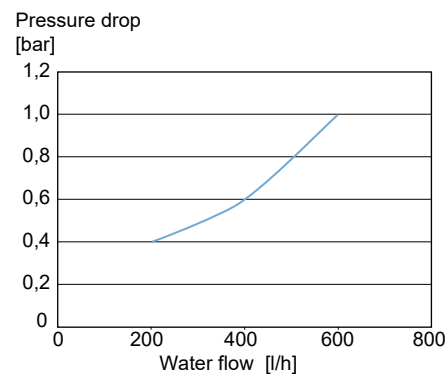
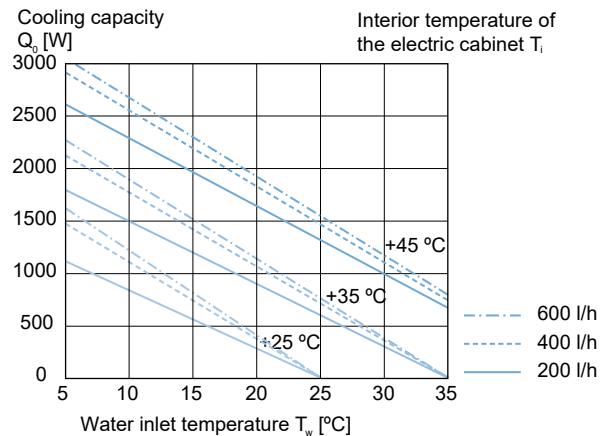


Cut-off dimensions



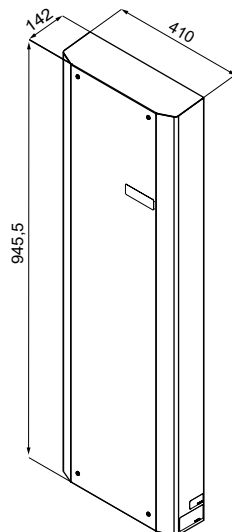
| Specifications | Units | Reference |
|--|---------------------|---|
| | | IG1500/230 |
| Voltage | - | V 230 |
| | | Hz 50 60 |
| Cooling power | W10/A35 | W 1500 |
| Absorbed electric power | W10/A35 | W 91 122 |
| Absorbed current | W10/A35 | A 0.47 0.54 |
| Start-up current | W10/A35 | A 0.6 |
| T fuse | - | A 2 |
| Air flow with free nozzle | Interior | m ³ /h 850 |
| | Electro | - Plug-in connector |
| Connection type | Fluid | - 13 mm. nozzle hose |
| | | |
| Noise level | - | dB 53 |
| Weight (without packaging) | - | kg 16 |
| Dimensions (Height x Width x Depth) | - | mm 945.5x410x142 |
| Ambient temperature range | - | °C > +1 °C +70 °C |
| Regulation field (adjustable) | - | °C +8 °C ~ +50 °C factory settings + 35°C |
| Water inlet temperature | - | °C > +2 °C +35 °C |
| Accepted operating pressure | - | bar max.10 |
| Useful work cycle | - | % 100 |
| Protection rating | Towards the cabinet | IP55 |
| | Housing | Galvanised steel |
| Materials | Heat exchangers | Copper pipe with aluminium vanes |
| | | |
| Colour | - | RAL 7035 |

Graphs

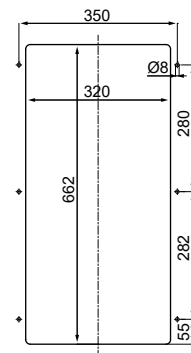


For exterior side installation or on door.
 Separation of condensation fluid by discharging.
 Maximum energy efficiency safety.
 Integrated thermostat and solenoid valve for temperature control.
 Temperature control with integrated alarm contact.
 No need for maintenance. Compact design and easily re-paintable.

Dimensions

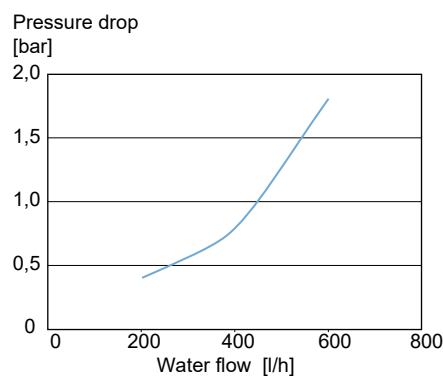
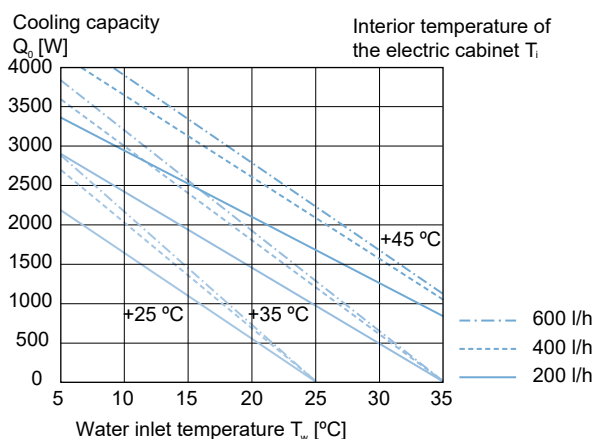


Cut-off dimensions



| Specifications | Units | Reference | IG3000/230 | |
|--|---------------------|-------------------|---------------------------------------|------|
| Voltage | - | V | 230 | |
| | | Hz | 50 | 60 |
| Cooling power | W10/A35 | W | 3000 | |
| Absorbed electric power | W10/A35 | W | 95 | 115 |
| Absorbed current | W10/A35 | A | 0.43 | 0.51 |
| Start-up current | W10/A35 | A | 0.56 | 0.75 |
| T fuse | - | A | 2 | |
| Air flow with free nozzle | Interior | m ³ /h | 945 | |
| Connection type | Electro | - | Plug-in connector | |
| | Fluid | - | 13 mm. nozzle hose | |
| Noise level | - | dB | 54 | |
| Weight (without packaging) | - | kg | 19 | |
| Dimensions (Height x Width x Depth) | - | mm | 945.5x410x142 | |
| Ambient temperature range | - | °C | > +1 °C +70 °C | |
| Regulation field (adjustable) | - | °C | +8 °C ~ +50 °C factory settings +35°C | |
| Water inlet temperature | - | °C | > +1 °C +35 °C | |
| Accepted operating pressure | - | bar | max.10 | |
| Useful work cycle | - | % | 100 | |
| Protection rating | Towards the cabinet | | IP55 | |
| | Housing | | Galvanised steel | |
| Materials | Heat exchangers | | Copper pipe with aluminium vanes | |
| Colour | - | RAL | 7035 | |

Graphs



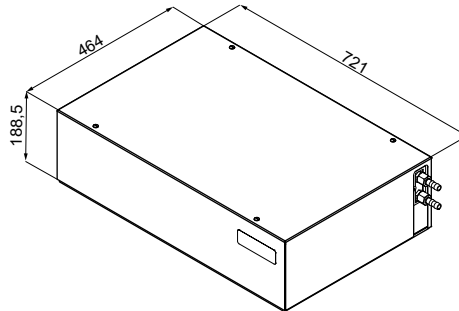
For exterior side installation or on door.
Separation of condensation fluid by discharging.
Maximum energy efficiency safety.
Integrated thermostat and solenoid valve for temperature control.
Temperature control with integrated alarm contact.
No need for maintenance. Compact design and easily re-paintable.

THERMAL MANAGEMENT

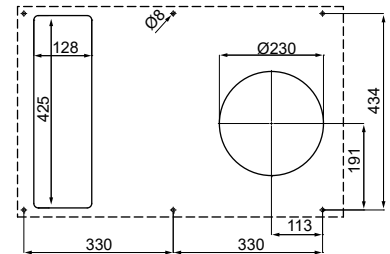
Refrigeration

Air-water heat exchanger

Dimensions

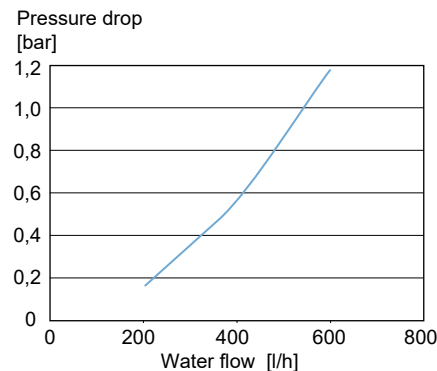
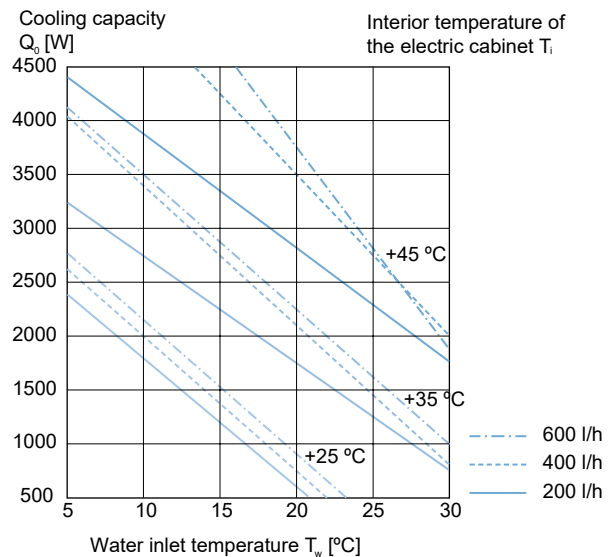


Cut-off dimensions



| Specifications | Units | Reference IG3400/230 |
|--|----------------------------|---|
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | W10/A35 W | 3400 |
| Absorbed electric power | W10/A35 W | 115 65 |
| Absorbed current | W10/A35 A | 0.84 |
| Start-up current | W10/A35 A | 4 |
| T fuse | - A | 6 |
| Air flow with free nozzle | Interior m ³ /h | 720 |
| Connection type | Electro - | 3.5 metres of cable 3x0.75 mm ² |
| | Fluid - | 13 mm. nozzle hose |
| Noise level | - dB | 64 |
| Weight (without packaging) | - kg | 30 |
| Dimensions (Height x Width x Depth) | - mm | 188.5x721x464 |
| Ambient temperature range | - °C | > +1 °C +70 °C |
| Regulation field (adjustable) | - °C | +8 °C ~ +50 °C factory settings +35 °C |
| Water inlet temperature | - °C | > +1 °C +35 °C |
| Accepted operating pressure | - bar | max.10 |
| Useful work cycle | - % | 100 |
| Protection rating | Towards the cabinet | IP54 |
| | Housing | Galvanised steel |
| Materials | Heat exchangers | Copper pipe with aluminium vanes |
| Colour | - RAL | 7035 |

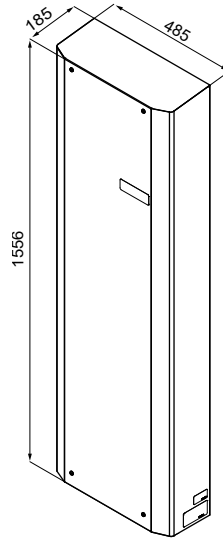
Graphs



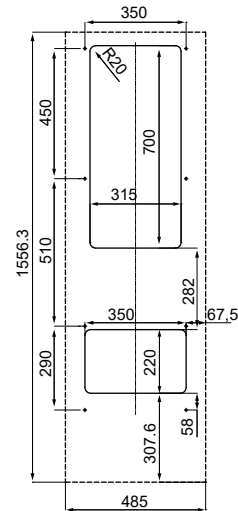
Separation of condensation fluid by discharging.
 Hydraulic circuit tested at pressure of 30 bar.
 Integrated thermostat and solenoid valve for temperature control.
 No need for maintenance. Compact design and easily re-paintable.



Dimensions

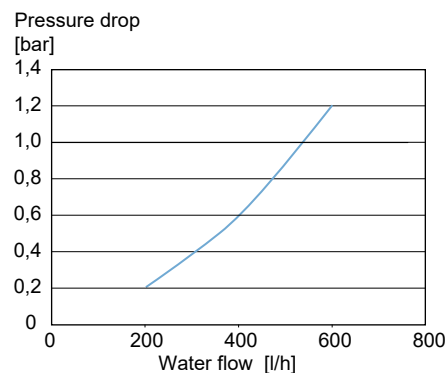
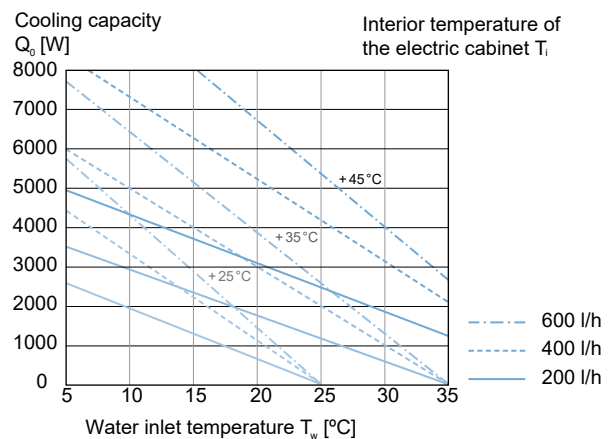


Cut-off dimensions



| Specifications | Units | | Reference |
|--|---------------------|-------------------|--|
| | | | IG5000/230 |
| Voltage | - | V | 230 |
| | - | Hz | 50 60 |
| Cooling power | W10/A35 | W | 5000 |
| Absorbed electric power | W10/A35 | W | 209 292 |
| Absorbed current | W10/A35 | A | 0.94 1.29 |
| Start-up current | W10/A35 | A | 1.6 |
| T fuse | - | A | 2 |
| Air flow with free nozzle | Interior | m ³ /h | 1425 |
| Connection type | Electro | - | Plug-in connector |
| | Fluid | - | 13 mm. nozzle hose |
| Noise level | - | dB | 54 |
| Weight (without packaging) | - | kg | 36.5 |
| Dimensions (Height x Width x Depth) | - | mm | 1556x485x185 |
| Ambient temperature range | - | °C | > +1 °C +70 °C |
| Regulation field (adjustable) | - | °C | +8 °C ~ +50 °C factory settings +35 °C |
| Water inlet temperature | - | °C | > +2 °C +35 °C |
| Accepted operating pressure | - | bar | max.10 |
| Useful work cycle | - | % | 100 |
| Protection rating | Towards the cabinet | | IP55 |
| | Housing | | Galvanised steel |
| Materials | Heat exchangers | | Copper pipe with aluminium vanes |
| Colour | - | 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.

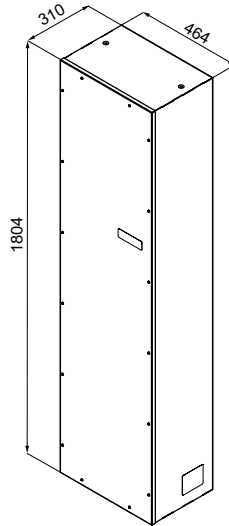
THERMAL MANAGEMENT

Refrigeration

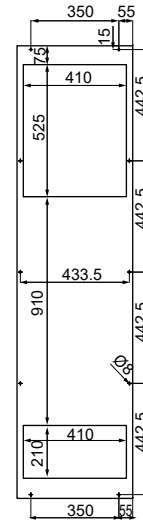
Air-water heat exchanger



Dimensions

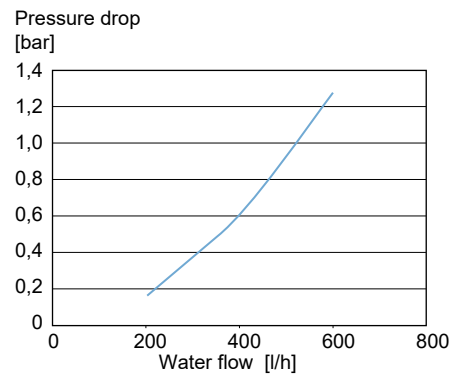
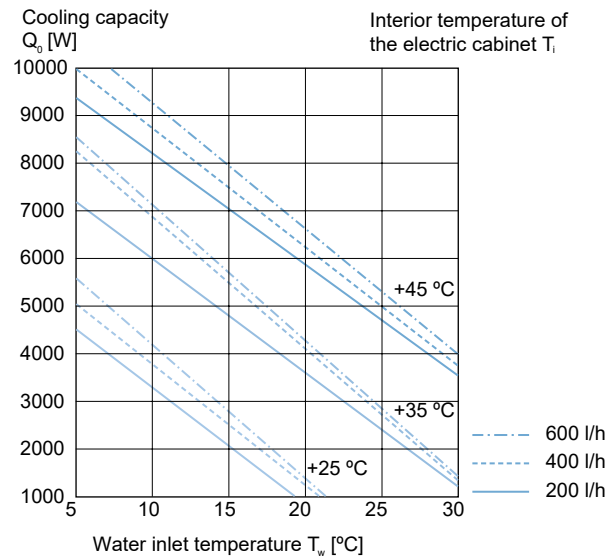


Cut-off dimensions



| Specifications | Units | Reference |
|--|---------------------|---|
| | | IG7000/230 |
| Voltage | - | V 230 Hz 50 60 |
| Cooling power | W10/A35 | W 7000 |
| Absorbed electric power | W10/A35 | W 520 680 |
| Absorbed current | W10/A35 | A 2.4 3.2 |
| Start-up current | W10/A35 | A 9.2 12 |
| T fuse | - | A 10 |
| Air flow with free nozzle | Interior | m ³ /h 4600 |
| Connection type | Electro | - Plug-in connector |
| | Fluid | - 13 mm. nozzle hose |
| Noise level | - | dB 63 |
| Weight (without packaging) | - | kg 58 |
| Dimensions (Height x Width x Depth) | - | mm 1804x464x310 |
| Ambient temperature range | - | °C > +1 °C +70 °C |
| Regulation field (adjustable) | - | °C +8 °C ~ +50 °C factory settings +35 °C |
| Water inlet temperature | - | °C > +1 °C +35 °C |
| Accepted operating pressure | - | bar max.10 |
| Useful work cycle | - | % 100 |
| Protection rating | Towards the cabinet | IP55 |
| | Housing | Galvanised steel |
| Materials | Heat exchangers | Copper pipe with aluminium vanes |
| Colour | - | RAL 7035 |

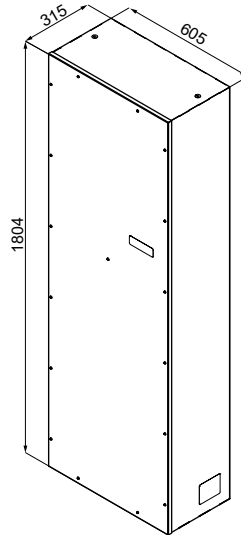
Graphs



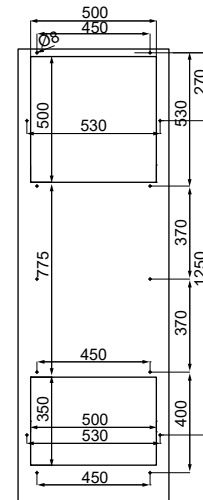
Separation of condensation fluid by discharging.
 Integrated thermostat and solenoid valve for temperature control.
 Temperature control with integrated alarm contact.
 No need for maintenance. Compact design and easily re-paintable.



Dimensions



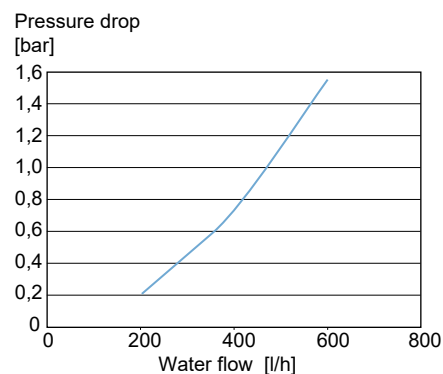
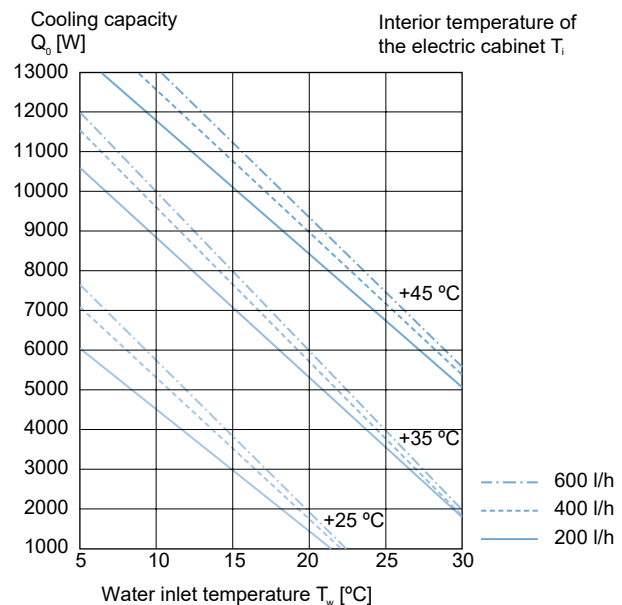
Cut-off dimensions



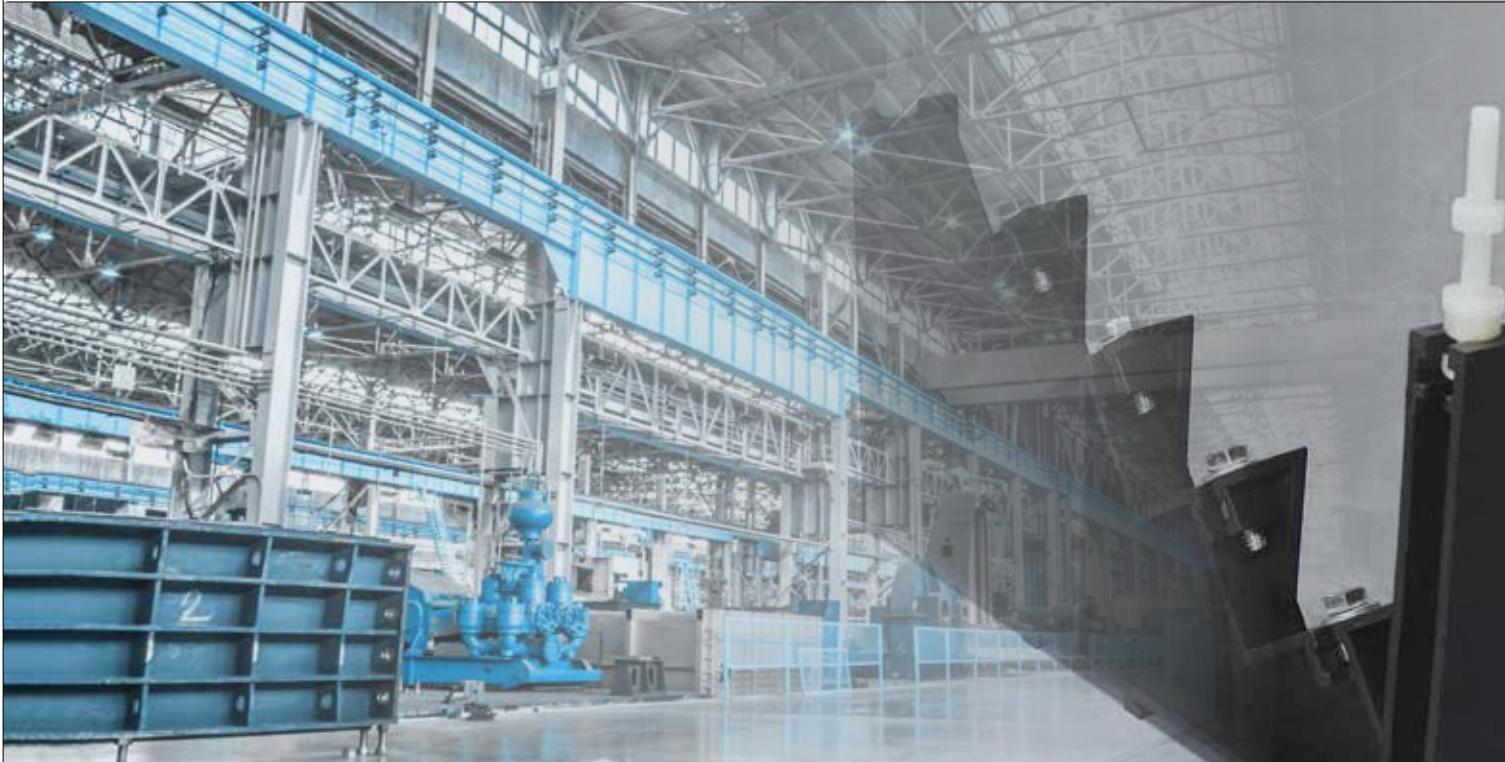
| Specifications | Units | Reference |
|--|----------------------------|--|
| IG10000/230 | | |
| Voltage | V | 230 |
| | Hz | 50 60 |
| Cooling power | W10/A35 W | 10000 |
| Absorbed electric power | W10/A35 W | 820 1200 |
| Absorbed current | W10/A35 A | 3.8 5.2 |
| Start-up current | W10/A35 A | 13.5 18.8 |
| T fuse | - A | 10 |
| Air flow with free nozzle | Interior m ³ /h | 6250 |
| Connection type | Electro - | Plug-in connector |
| | Fluid - | 13 mm. nozzle hose |
| Noise level | - dB | 66 |
| Weight (without packaging) | - kg | 75 |
| Dimensions (Height x Width x Depth) | - mm | 1804x605x315 |
| Ambient temperature range | - °C | > +1 °C +70 °C |
| Regulation field (adjustable) | - °C | +8 °C ~ +50 °C factory settings +35 °C |
| Water inlet temperature | - °C | > +1 °C +35 °C |
| Accepted operating pressure | - bar | max.10 |
| Useful work cycle | - % | 100 |
| Protection rating | Towards the cabinet | IP55 |
| | Housing | Galvanised steel |
| Materials | Heat exchangers | Copper pipe with aluminium vanes |
| Colour | - 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) |
|---------------|---|--------------|-----------------------|
| | | | HEIGHT X WIDTH |
| 48290 | 150 kg transport casters. (2 casters with brake + 2 without brake) | 150 kg | 92x44 |

CHARACTERISTICS: Maximum load 150 kg per caster. Height: Caster = 70 mm; Threaded bolt = M12x22.

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

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



| Reference No. | Description | Maximum load | Dim. (mm) |
|---------------|------------------------------|--------------|-----------------------|
| | | | HEIGHT X WIDTH |
| 48300 | Levelling feet (4-foot pack) | 270 kg | 51x50 |

CHARACTERISTICS: Maximum load 270 kg per foot.

Height: Foot = 25 mm; Threaded bolt = 12x26 mm.

SUPPLY: 4-leg pack.

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



| Reference No. | Description | Dim. (mm) |
|---------------|-------------------------------------|---------------|
| | | HEIGHT |
| 48115 | M12 Lifting eyebolts (2-piece pack) | 55 |

CHARACTERISTICS: Accessory for lifting cabinets. Pack supplied with all the screws required for installation.

SUPPLY: 2-piece pack.

MATERIAL: Galvanised steel.

Plan holder



| Reference No. | Description | For family | Dim. (mm) |
|---------------|--|--------------------------|-------------------------------|
| | | | HEIGHT X WIDTH X DEPTH |
| 49386 | 600 mm metal plan holder | Argenta Plus | 280x430x90 |
| 49387 | 800 mm metal plan holder | Argenta Plus | 280x655x90 |
| 49385 | 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).

Paints



| Reference No. | Description |
|---------------|---|
| 48292 | RAL 7035 embossed grey paint |
| 48294 | RAL 7016 embossed grey anthracite paint |
| 48343 | RAL 9003 embossed white paint |

SUPPLY: 400 ml tin.

Module lids



| Reference No. | Description |
|---------------|---------------------------------------|
| 77590 | Module lid RAL 7035 grey (6 modules) |
| 77600 | Module lid RAL 9003 white (6 modules) |
| 48019 | Module lid RAL 7035 grey (1 m) |
| 48021 | Module lid RAL 9003 white (1 m) |

CHARACTERISTICS: Ref. 48019 and 48021 recommended for metal modular lids.

MATERIAL: 6-module lid in PS; 1-metre lid in PVC.

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 |
|---------------|------------------------------------|---------------|
| 49390 | Adhesive electric shock risk label | mm 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 mm².

| Reference No. | Description | Dimensions | | | Section | I |
|---------------|-------------------|----------------|-----------|-----|---------|-----|
| | | LENGTH X WIDTH | THICKNESS | Ø | | |
| 48437 | Flat earth 150 mm | 150x13 | 1.1 | 6.5 | 6 | 40 |
| 48440 | Flat earth 200 mm | 200x15 | 1.5 | 8.5 | 16 | 120 |

CHARACTERISTICS: Recommended by the EMC directives. 99.9% pure copper braids.

Use the recommended bolt diameter:

Hole Ø 6.5 mm = M6 Bolt.

Hole Ø 8.5 mm = M8 Bolt.

Distribution blocks



| Ref. | Nominal rating | 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

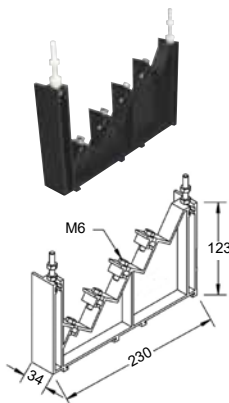
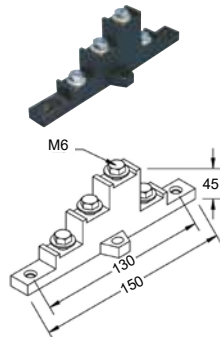
| | Ø | Section without terminal* | Section with terminal |
|--------|------|---------------------------|-----------------------|
| | | mm ² | mm ² |
| Input | 8,5 | 10-25 | 10-25 |
| Input | 9 | 10-35 | 10-16 |
| Input | 11,5 | 10-50 | 10-50 |
| Output | 4,5 | 1,5-4 | 0,75-4 |
| Output | 5,3 | 2,5-6 | 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 |
| 48453 | 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.

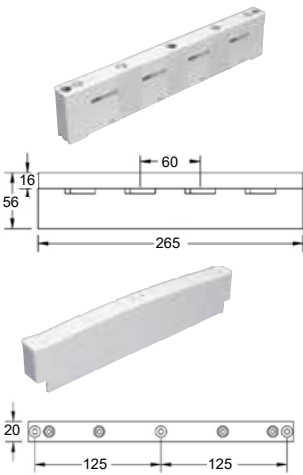
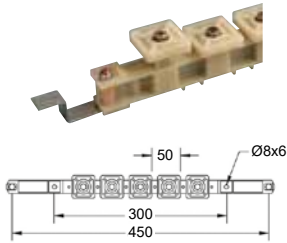
| Voltage | Current | Busbar section (mm) | Maximum distance between busbar supports Icw kA eff. 1 s./Ipk kA | | |
|-------------|---------|---------------------|---|------|-------|
| | | | 6,5/11 | 8/14 | 12/24 |
| 0 to 1000 V | 160A | 15 x 5 | 550 | 447 | 253 |
| | 250A | 20 x 5 | 635 | 516 | 261 |

| Reference No. | Description | Maximum rated voltage Ui AC/DC | Operating temperature |
|---------------|---|--------------------------------|-----------------------|
| | | V | °C |
| 48800 | 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 |
| 48454 | 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 _{pk} kA / I _{cc} rms kA 1s | | | |
|-------------|---------|---------------------|--|------|-------|-------|
| | | | 11/6,5 | 14/8 | 48/23 | 63/30 |
| 0 to 1000 V | 160A | 15 x 5 | 450 | 450 | - | 105 |
| | 250A | 20 x 5 | 450 | 450 | - | 105 |
| | 400A | 32 x 5 | 450 | 450 | - | 105 |

| Reference No. | Description | Maximum rated voltage Ui AC/DC | Operating temperature |
|---------------|---|--------------------------------|-----------------------|
| | | V | °C |
| 48686 | Horizontal busbar support TN 160 A-630 A | 1000/1500 | -15/+130 |
| 48687 | TN Horizontal busbar support cover | - | - |

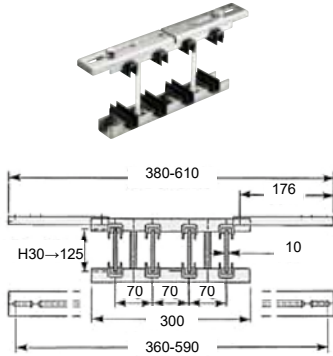
CHARACTERISTICS: Two units of each reference are needed for busbar assembly.
Distance between axes or phases: 60 mm. Triple phase + neutral.
Halogen-free plastic materials and galvanised steel threaded screws.

| Busbar section | Maximum distance between busbar supports I _{pk} kA I _{cc} ms kA 1s | | | | | |
|----------------------------|---|--------|-----------|-------|-------|-------|
| | 11/6,5 | 14/8,2 | 24/12 | 48/22 | 63/30 | 70/33 |
| I _{cc} eff. in kA | | | | | | |
| | | | ▶ ← 10 mm | | | |
| 15x5 | 747 | 716 | 611 | 358 | 200 | - |
| 20x5 | 882 | 841 | 706 | 382 | 179 | - |
| 25x5 | 873 | 831 | 690 | 352 | 141 | - |
| 30x5 | 1000 | 1000 | 890 | 530 | 305 | - |
| 15x10 | 839 | 799 | 668 | 352 | 155 | - |
| 20x10 | 893 | 853 | 720 | 400 | 200 | 107 |
| 30x10 | 1000 | 1000 | 890 | 530 | 305 | 200 |

INSTALLATION COMPONENTS

Metal cabinets and enclosures accessories

Busbar supports

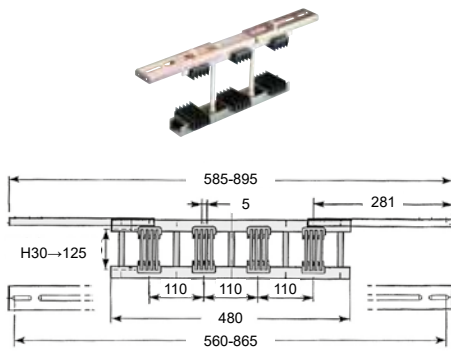


| Reference No. | Description | Maximum rated voltage Ui AC/DC | Operating temperature |
|---------------|-------------------------------|--------------------------------|-----------------------|
| 48685 | Busbar support 1/10 TN 2250 A | V 1000/1500 | °C -40/+130 |

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 | | | | | | | | | |
|-----------------|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | 12/24 | 23/48 | 30/63 | 39/82 | 52/114 | 66/145 | 69/152 | 75/165 | 85/187 | 95/209 |
| Icc. eff. in kA | 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 |



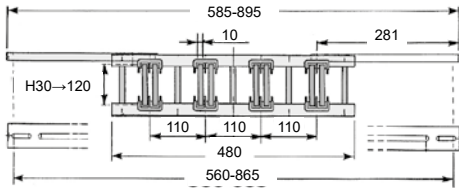
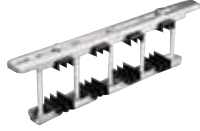
| Reference No. | Description | Maximum rated voltage Ui AC/DC | Operating temperature |
|---------------|------------------------------|--------------------------------|-----------------------|
| 48680 | Busbar support 4/5 TN 3500 A | V 1000/1500 | °C -40/+130 |

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 | | | | | | | | | | |
|-----------------|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|---------|
| | 12/24 | 23/48 | 30/63 | 39/82 | 52/114 | 66/145 | 69/152 | 75/165 | 85/187 | 95/209 | 105/231 |
| Icc. eff. in kA | 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 | * |
| Icc. eff. in kA | 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 |
| Icc. eff. in kA | 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 |
| Icc. eff. in kA | 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

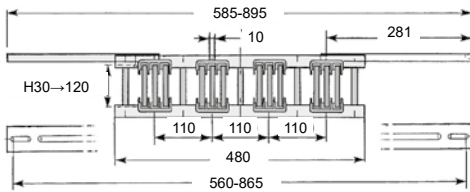


| Reference No. | Description | Maximum rated voltage Ui AC/DC | Operating temperature |
|---------------|-------------------------------|--------------------------------|-----------------------|
| | | V | °C |
| 48681 | Busbar support 2/10 TN 3600 A | 1000/1500 | -40/+130 |

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 lcc. eff. in kA | Maximum distance between busbar supports - l _{cw} kA eff. 1 s./l _{pk} kA | | | | | | | | | | |
|-----------------------------------|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|---------|
| | 12/24 | 23/48 | 30/63 | 39/82 | 52/114 | 66/145 | 69/152 | 75/165 | 85/187 | 95/209 | 105/231 |
| | ▶◀ ← 10 mm | | | | | | | | | | |
| 30 | 1000 | 747 | 572 | 440 | 315 | 248 | 237 | 218 | 192 | 172 | 155 |
| 40 | 1000 | 863 | 661 | 508 | 364 | 286 | 274 | 252 | 222 | 197 | 161 |
| 50 | 1000 | 965 | 739 | 568 | 407 | 320 | 306 | 282 | 247 | 197 | 161 |
| 60 | 1000 | 1000 | 810 | 623 | 446 | 351 | 336 | 309 | 247 | 197 | 161 |
| 80 | 1000 | 1000 | 935 | 719 | 515 | 405 | 375 | 317 | 247 | 197 | 161 |
| 100 | 1000 | 1000 | 1000 | 804 | 576 | 410 | 375 | 317 | 247 | 197 | 161 |
| 120 | 1000 | 1000 | 1000 | 881 | 631 | 410 | 375 | 317 | 247 | 197 | 161 |
| | ▶◀ ← 10 mm | | | | | | | | | | |
| 30 | 1000 | 1000 | 810 | 623 | 446 | 351 | 336 | 309 | 272 | 243 | 220 |
| 40 | 1000 | 1000 | 935 | 719 | 515 | 405 | 388 | 357 | 314 | 281 | 237 |
| 50 | 1000 | 1000 | 1000 | 804 | 576 | 453 | 433 | 399 | 352 | 290 | 237 |
| 60 | 1000 | 1000 | 1000 | 881 | 631 | 497 | 475 | 437 | 362 | 290 | 237 |
| 80 | 1000 | 1000 | 1000 | 1000 | 728 | 574 | 549 | 466 | 362 | 290 | 237 |
| 100 | 1000 | 1000 | 1000 | 1000 | 814 | 601 | 550 | 466 | 362 | 290 | 237 |
| 120 | 1000 | 1000 | 1000 | 1000 | 892 | 601 | 550 | 466 | 362 | 290 | 237 |

| Reference No. | Description | Maximum rated voltage Ui AC/DC | Operating temperature |
|---------------|-------------------------------|--------------------------------|-----------------------|
| | | V | °C |
| 48688 | Busbar support 3/10 TN 4500 A | 1000/1500 | -40/+130 |



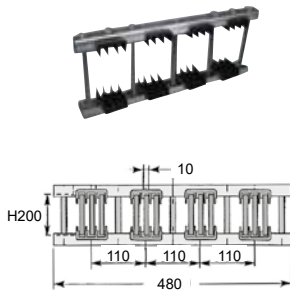
CHARACTERISTICS: Distance between mounting centre: 25 mm. Distance between mounting centres is adjustable.
Galvanised sheet steel reinforced with 2.5 mm of zinc. M10 screws in halogen-free reinforced polyamide.
Three phases + neutral. 10-mm busbars, one per phase.
Halogen-free insulating parts.

| Busbar section lcc. eff. in kA | Maximum distance between busbar supports l _{pk} kA lcc ms KA 1s | | | | | | | | | | |
|-----------------------------------|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|---------|
| | 12/24 | 23/48 | 30/63 | 39/82 | 52/114 | 66/145 | 69/152 | 75/165 | 85/187 | 95/209 | 105/231 |
| | ▶◀ ← 10 mm | | | | | | | | | | |
| 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 |
| 48689 | 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 | | | | | Icc ms 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 | 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 |
| 48791 | Flat copper bar | 12 | 4 | 2000 | - | - | - |
| 48792 | Threaded copper bar | 12 | 4 | 2000 | M5 | - | 18 |
| 48793 | Threaded copper bar | 15 | 5 | 1000 | M6 | 8x12 | 25 |
| 48794 | Threaded copper bar | 20 | 5 | 1000 | M6 | 10x14 | 25 |
| 48795 | Threaded copper bar | 32 | 5 | 2000 | M6 | 12x16 | 17.5 |

CHARACTERISTICS: Cu-ETP (Cu/A1) electrolytic copper compliant with the NF EN 13601 standard.
99.9% copper purity.
Average maximum elongation 12%.
Rounded corners to facilitate installation.
Rated power: For ambient temperature measured inside the control panel of 35 °C.

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

Protection screen



| Ref. 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 ² pin connector |
|-------|------------------------------------|



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

| | |
|-------|--------------------|
| 48645 | 12x4 bar connector |
|-------|--------------------|

CHARACTERISTICS: For 12x4 mm threaded bars - M5 screws.
 Cables: Minimum section 1 mm² - maximum section 6 mm².
MATERIAL: Galvanised steel.



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

| | |
|-------|---------------------------------------|
| 48646 | 16-35 mm ² earth connector |
|-------|---------------------------------------|

CHARACTERISTICS: For 12x4 / 12x5 flat bars.
 16 mm² flexible cable - 35 mm² rigid cable.
MATERIAL: Galvanised steel.



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

| | |
|-------|--|
| 48647 | 16-50 mm ² connector for connection without drill holes |
|-------|--|

CHARACTERISTICS: Connections without drill holes for 5 mm-thick bars.
CABLE: 16 to 50 mm² cross section or ERIFLEX® 9-mm-wide flexibar.
 The length from 16 to 50 mm², with the cable stripped, should be at least 40 mm.
MATERIAL: Galvanised steel.



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

| | |
|-------|-----------------------|
| 48651 | 50x75 sloping support |
|-------|-----------------------|

CHARACTERISTICS: Distance between holes 60 mm - angle 55° - thickness 1.5 mm.
MATERIAL: DC01 iron with white zinc-plated finish.



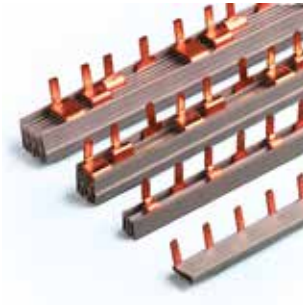
| Reference No. | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|-------|--------------|
| 48652 | 40x75 angled |
|-------|--------------|

INSTALLATION COMPONENTS

Metal cabinets and enclosures accessories

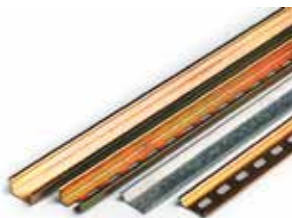
Connecting combs



| 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: ≥ 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



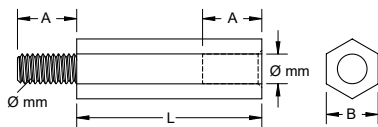
| Reference No. | Description | Ø Interior | Thickness |
|---------------|-----------------------------|------------|-----------|
| | | mm | mm |
| 48286 | 5,5 mm spiral sleeve (50 m) | 5,5 | 1 |
| 48287 | 10 mm spiral sleeve (25 m) | 10 | 1,5 |
| 48288 | 14 mm spiral sleeve (25 m) | 14 | 2 |
| 48289 | 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 ± 1 mm / Thickness: ± 0.2 mm.

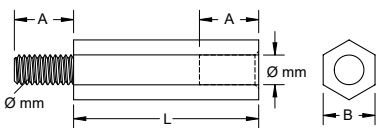
Spacers



| Reference No. | Description | Dimensions (mm) | | | |
|---------------|------------------------|-----------------|-----|----|----|
| | | L | A | B | Ø |
| 48671 | 15 mm insulated spacer | 15 | 7-8 | 13 | M6 |
| 48672 | 20 mm insulated spacer | 20 | 7-8 | 13 | M6 |
| 48673 | 30 mm insulated spacer | 30 | 7-8 | 13 | M6 |
| 48674 | 45 mm insulated spacer | 45 | 7-8 | 13 | M6 |

CHARACTERISTICS: Intended to secure protection screens, profiles or earth bars.
Male/female hexagonal insulating spacers.
Operating temperature up to 80 °C - Voltage 1000 V.

MATERIAL: Insulating parts in polystyrene and threaded end in galvanised steel.



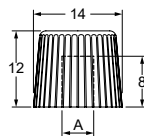
| Reference No. | Description | Dimensions (mm) | | | |
|---------------|---------------------|-----------------|----|---|----|
| | | L | A | B | Ø |
| 48675 | 60 mm metal spacer | 60 | 12 | 8 | M6 |
| 48676 | 70 mm metal spacer | 70 | 12 | 8 | M6 |
| 48677 | 80 mm metal spacer | 80 | 12 | 8 | M6 |
| 48678 | 90 mm metal spacer | 90 | 12 | 8 | M6 |
| 48679 | 100 mm metal spacer | 100 | 12 | 8 | M6 |

CHARACTERISTICS: Intended to secure protection screens, profiles or earth bars.
Male/female hexagonal metal spacers.

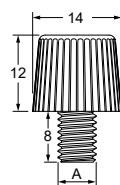
MATERIAL: Made of galvanised steel.



Ref. 48531



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

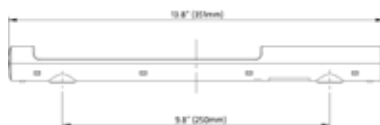
Metal cabinets and enclosures accessories

Lamps



| Reference No. | Fixing | AC | DC | Luminosity | Power consumption | Dim. |
|----------------|-------------|-----------------|---------|-------------|-------------------|--------|
| | | Voltage | Voltage | | | |
| | | V/Hz | V | Lm | W | HEIGHT |
| LED400M | magnetic | 100-240 (50-60) | 90-110 | 400 to 120° | 5 | 351 |
| LED400T | with screws | 100-240 (50-60) | 90-110 | 400 to 120° | 5 | 351 |

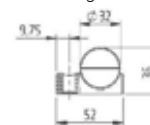
CHARACTERISTICS: LED lights attached via magnets or screws (M5). LED, 120° radiation angle. Daylight, colour temperature 6000-7000 k, lifespan 60,000 hours at +20 °C. Two-pole connection.



Magnetic fixing



Screws fixing



Ventilation louvres



| Reference No. | Dimensions | Position between screws | Installation cut out | Degree of protection |
|---------------|------------|-------------------------|----------------------|----------------------|
| | mm | | | |
| 49330 | 180x130 | 170x115 | 145x95 | IP30 |
| 49331 | 105x154 | 90x139 | 75x70 | IP30 |
| 49332 | 130x250 | 115x235 | 90x180 | IP30 |
| 49335 | 167x105 | 152x90 | 130x70 | IP30 |
| 49336 | 167x105 | 152x90 | 130x70 | IP33 |

CHARACTERISTICS: RAL 7035 made of cold-rolled steel.

Ref. 49336 includes rubber gasket.

SUPPLY: 2-piece pack.

Devices

Ref. No. Description



29531 IP43 Small ventilation device Ø 19 mm

29532 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 |
| 48338 | Pressure compensator | Ø 60x37 | 1200 l/h* | 5 (10 max.) | -35/+70 |

MATERIAL: NBR sealing joint and impermeable membrane filter.

INSTALLATION: Drill a Ø 40.5 mm hole on the cabinet wall and assemble the device with the nut.

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 |
| 48339 | Water evacuator | Ø 60x49.5 | 200 ml/h* | 6 max. | -45/+70 |



















MATERIAL: NBR sealing joint.

INSTALLATION: Drill a Ø 50.5 mm hole on the cabinet wall and assemble the device with the nut. 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 |
|---|---------------|---|
|  | 48429 | M6 caged nuts - Front assembly |
|  | 48416 | M6 caged nuts - Normal |
| | 48435 | M8 caged nuts - 3 mm wing |
|  | 48424 | M6x19 Torx-trilobular countersunk screw |
|  | 48425 | M6x12 Torx-trilobular panhead screw |
|  | 48468 | M8x16 Allen screw |
|  | 48470 | M12x20 Allen screw |
|  | 48476 | M6x10 non-rotating screw. Hexagonal PH+R hardness 4.8 |
|  | 48434 | DIN 965 M6x20 screw |
|  | 48417 | M8 non-rotating nuts |
| | 48433 | DIN 934 M6 nuts |
|  | 48418 | 3.5x13 clipping plug |
| | 48428 | 5x11 detachable rivets |
|  | 48431 | M4x7 Self-tapping sheet metal screws |
|  | 48432 | DIN 7981 F 3.5x6.5 machined screws |
|  | 48512 | Machined screw for cable entry cover 3.5x9.5 DIN 7982 |
|  | 48436 | Plastic caps (flush-fit/surface doors) |
|  | 48438 | Plastic cap (cabinets without door) |
|  | 48511 | M5 reversible cap (Argenta door) |
|  | 48439 | Turning bushes (flush-fit doors) |
|  | 48539 | 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.



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

- 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

- 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 | |
| 178P | 1x9 DIN rail | 284x222x122 | 1.21 | 13.2 | 16.5 | 19.8 | 23.1 | 26.4 | 67TC09 |
| 178M | 1x9 DIN rail | 369x222x130 | 1.38 | 16.9 | 21.1 | 25.4 | 29.6 | 33.8 | 67TC09M |
| 1712GM | 1x13 DIN rail | 504x297x177 | 2.76 | 31.1 | 38.8 | 46.6 | 54.4 | 62.1 | 67TC13 |
| 1724GM | 2x13 (26) DIN rail | 504x297x177 | 2.84 | 31.1 | 38.8 | 46.6 | 54.4 | 62.1 | 67TC26 |

HALOGEN-FREE PLASTIC MATERIALS, 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**



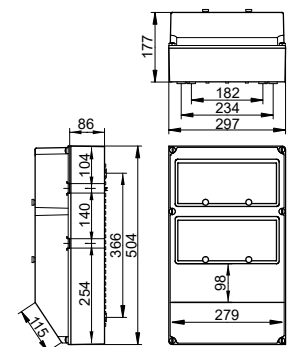
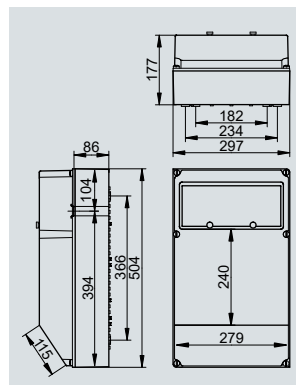
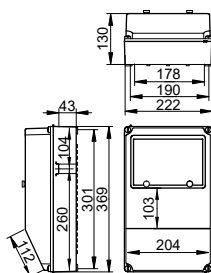
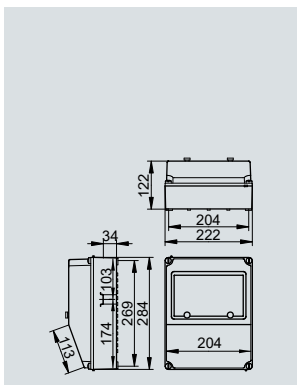
**1x9 modules
178M**



**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

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 |
| 22007 | 4+2 | 4+2 | 2x(4-10 mm ²)+4x(2.5-6 mm ²) | 2x(4-10 mm ²)+4x(2.5-6 mm ²) |
| 22008 | 8+2 | 8+2 | 1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²) | 1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²) |
| 22009 | 12+2 | 12+2 | 1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²) | 1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²) |

Accessories and screws

| | Ref. |
|--|----------------|
| Box handle for mobile installations 140x40 | 92110 |
| Box handle for mobile installations 110x35 | 92110/1 |
| Frame fixing kit | 94280 |
| Support for padlock | 77670 |
| Metal support | 48205 |
| Rail support | 77430 |
| Grey module cover (6 modules) | 77590 |
| Hermetic caps (4 pieces) | 77650 |
| 2.9x16 screw for bar support | 92620 |
| Stainless steel screw (4x16) | 94292 |
| Plastic nut for power sockets | 94293 |

Neutral and earth bars

| | Ref. |
|--|--------------|
| Support + neutral and earth bar (4+2 entries) | 22007 |
| Support + neutral and earth bar (8+2 entries) | 22008 |
| Support + neutral and earth bar (12+2 entries) | 22009 |

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. |
|--------------------------------------|--------------|
| 9 modules | 86020 |
| 13 modules (92640 must be requested) | 86040 |
| M4x15 screws for windows | 92640 |

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 ²)+2x(4-10 mm ²) | 4x(2,5-6 mm ²)+2x(4-10 mm ²) |
| 22001 | 8+1 | 8+1 | 5x(2,5-6 mm ²)+3x(4-10 mm ²)+1x(16-35 mm ²) | 5x(2,5-6 mm ²)+3x(4-10 mm ²)+1x(16-35 mm ²) |
| 22002 | 12+2 | 12+2 | 6x(2,5-6 mm ²)+6x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) | 6x(2,5-6 mm ²)+6x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) |
| 22003 | 16+2 | 16+2 | 8x(2,5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) | 8x(2,5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) |
| 22019 | 5+1 | - | 1x(16-35 mm ²)+5x(10-25 mm ²) | - |



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 | |
| CSNPLUS | - | HEIGHT X WIDTH X DEPTH | KG | | | | | | |
| CSN4PT | 1x4 DIN rail | 385x102x105 | 0.55 | 14.6 | 18.3 | 21.9 | 25.6 | 29.2 | 65TC00 |
| CSN6PT | 1x6 DIN rail | 436x142x137 | 1.09 | 10.0 | 12.5 | 15.0 | 17.5 | 20.0 | 65TC04 |
| CSN9PT | 1x9 DIN rail | 436x210x137 | 1.38 | 15.5 | 19.4 | 23.3 | 27.1 | 31.0 | 65TC06 |
| CSN12PT | 1x12 DIN rail | 436x310x147 | 1.97 | 19.3 | 24.1 | 29.0 | 33.8 | 38.6 | 65TC09 |
| CSN18PT | 1x18 DIN rail | 436x418x147 | 2.51 | 25.8 | 32.2 | 38.7 | 45.1 | 51.6 | 65TC12 |
| CSN24PT | 2x12 (24) DIN rail | 688x310x147 | 3.44 | 32.0 | 39.9 | 47.9 | 55.9 | 63.9 | 65TC18 |
| CSN36PT | 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 |

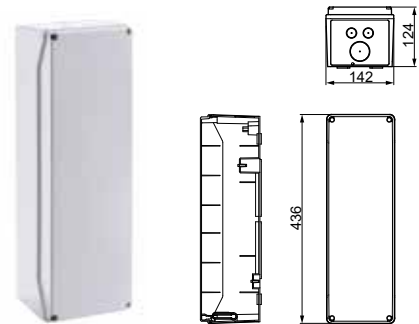
HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

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



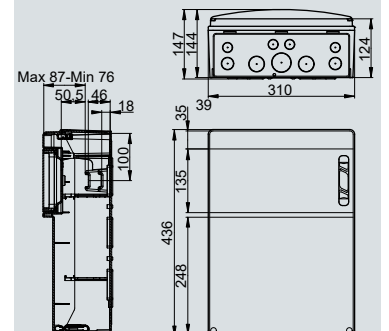
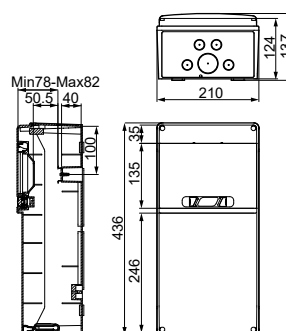
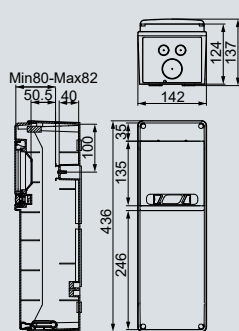
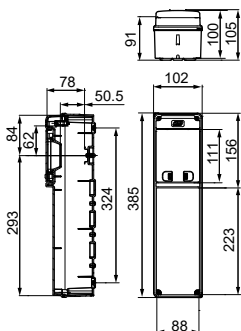
1x9 modules CSN9PT

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 | | | | | | |
| CSNPLUS/RR | - | 436x142x124 | 1.08 | 10.5 | 13.2 | 15.8 | 18.4 | 21.0 | 65TC00 |
| CSN4PT/R | 1x4 DIN rail | 385x102x105 | 0.59 | 10.0 | 12.5 | 15.0 | 17.5 | 20.0 | 65TC04 |
| CSN6PT/RR | 1x6 DIN rail | 436x142x137 | 1.17 | 14.3 | 17.9 | 21.5 | 25.1 | 28.7 | 65TC06 |
| CSN9PT/RR | 1x9 DIN rail | 436x210x137 | 1.47 | 16.7 | 20.9 | 25.1 | 29.2 | 33.4 | 65TC09 |
| CSN12PT/RR | 1x12 DIN rail | 436x310x147 | 2.14 | 24.1 | 30.1 | 36.1 | 42.1 | 48.2 | 65TC12 |
| CSN18PT/RR | 1x18 DIN rail | 436x418x147 | 2.70 | 30.0 | 37.5 | 45.1 | 52.6 | 60.1 | 65TC18 |
| CSN24PT/RR | 2x12 (24) DIN rail | 688x310x147 | 3.89 | 30.4 | 38.0 | 45.7 | 53.3 | 60.9 | 65TC24 |
| CSN36PT/RR | 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.

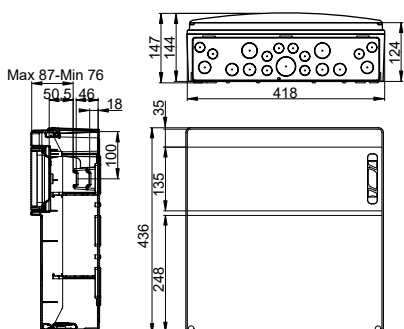
/R: With connection terminal.

* 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.



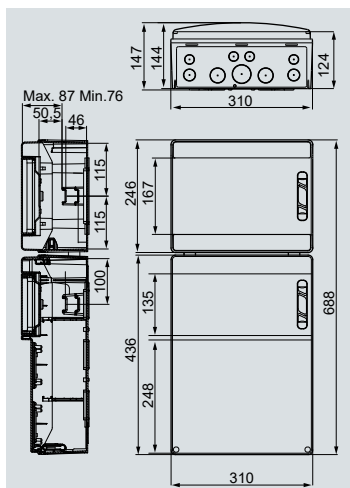
1x18 modules CSN18PT

TOP: 12xM20-6xM25-2xM32-1xM40
BOTTOM: 10xM20-6xM25-2xM32-1xM40
REAR OBLONG: 2xOB 25/32/25



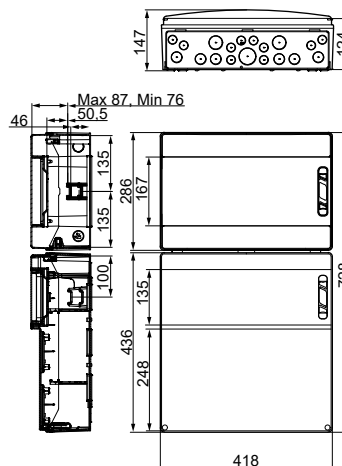
2x12 (24) modules CSN24PT

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 |
| PCSNPLUS | - | HEIGHT X WIDTH X DEPTH | | KG | | | | | | |
| PCSN6PT | 1x6 DIN rail | 436x142x124 | 5 | 1.09 | 14.6 | 18.3 | 21.9 | 25.6 | 29.2 | 65TC00TR |
| PCSN9PT | 1x9 DIN rail | 436x210x137 | 4 | 1.17 | 15.5 | 19.4 | 23.3 | 27.1 | 31.0 | 65TC06TR |
| PCSN12PT | 1x12 DIN rail | 436x310x147 | 8 | 1.56 | 19.3 | 24.1 | 29.0 | 33.8 | 38.6 | 65TC09TR |
| PCSN18PT | 1x18 DIN rail | 436x418x147 | 10 | 2.08 | 25.8 | 32.2 | 38.7 | 45.1 | 51.6 | 65TC12TR |
| PCSN24PT | 1x18 DIN rail | 436x418x147 | 15 | 2.77 | 32.0 | 39.9 | 47.9 | 55.9 | 63.9 | 65TC18TR |
| PCSN24PT | 2x12 (24) DIN rail | 688x310x147 | 10 | 3.70 | 37.1 | 46.4 | 55.7 | 65.0 | 74.3 | 65TC24TR |
| PCSN36PT | 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



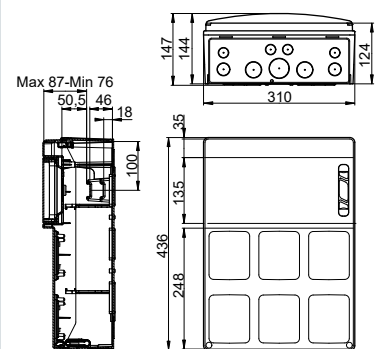
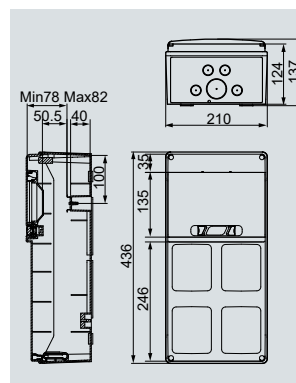
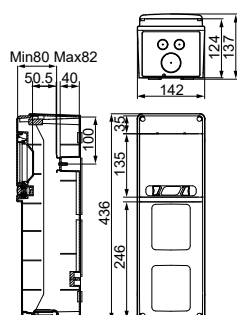
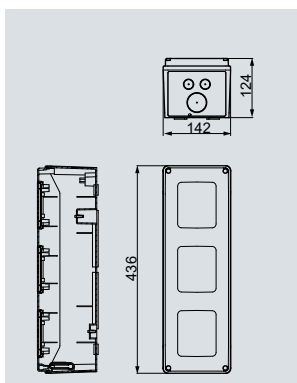
1x9 modules PCSN9PT

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 |
| PCSNPLUS/RR | - | HEIGHT X WIDTH X DEPTH 436x142x124 | 5 | 1.17 | 14.6 | 18.3 | 21.9 | 25.6 | 29.2 | 65TC00TR |
| PCSN6PT/RR | 1x6 DIN rail | 436x142x137 | 4 | 1.25 | 15.5 | 19.4 | 23.3 | 27.1 | 31.0 | 65TC06TR |
| PCSN9PT/RR | 1x9 DIN rail | 436x210x137 | 8 | 1.64 | 19.3 | 24.1 | 29.0 | 33.8 | 38.6 | 65TC09TR |
| PCSN12PT/RR | 1x12 DIN rail | 436x310x147 | 10 | 2.23 | 25.8 | 32.2 | 38.7 | 45.1 | 51.6 | 65TC12TR |
| PCSN18PT/RR | 1x18 DIN rail | 436x418x147 | 15 | 3.07 | 32.0 | 39.9 | 47.9 | 55.9 | 63.9 | 65TC18TR |
| PCSN24PT/RR | 2x12 (24) DIN rail | 688x310x147 | 10 | 3.89 | 37.1 | 46.4 | 55.7 | 65.0 | 74.3 | 65TC24TR |
| PCSN36PT/RR | 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



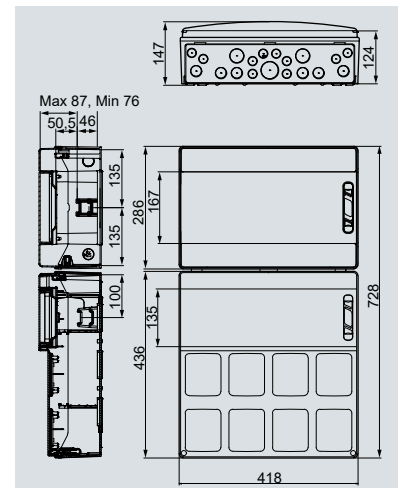
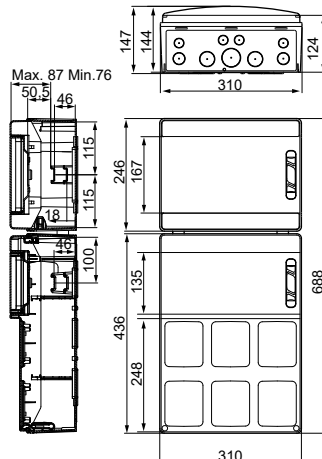
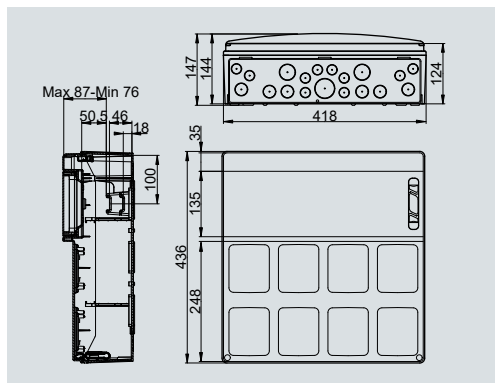
**2x12 (24) modules
PCSN24PT**

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



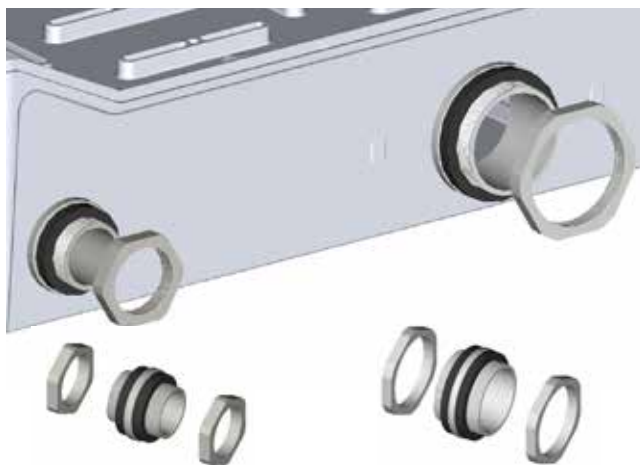
ECO-STAR SYSTEM

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 | | |
| CSN12PT/PLUS | 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 | | |
| CSN18PT/PLUS | 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 | | | |
| PCSN12PT/PLUS | 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 | | | |
| PCSN18PT/PLUS | 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 | | | |
| CDN24PT/PLUS | 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 | | | |
| CDN36PT2F/PLUS | 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.

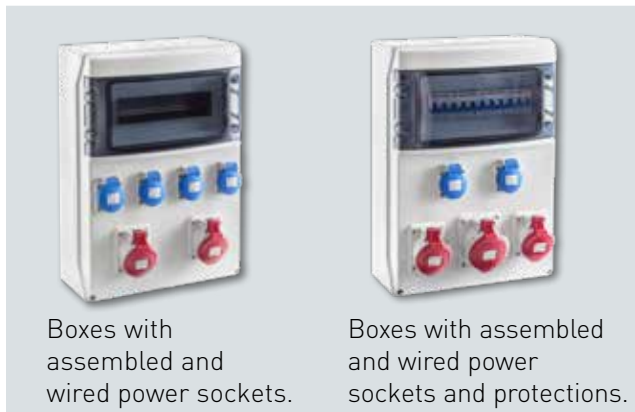
ASSEMBLE IT YOURSELF



Plain boxes.

Boxes with knock-out covers.

ORDER FROM THE FACTORY



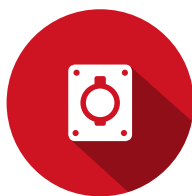
Boxes with assembled and wired power sockets.

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

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 | | | | | | |
| CDN4G | 1x4 DIN rail | 177x102x105 | 0.35 | 5.0 | 6.2 | 7.5 | 8.7 | 10.0 | 65SG4 |
| CDN4PT | 1x4 DIN rail | 231x166x113 | 0.75 | 8.9 | 11.1 | 13.3 | 15.5 | 17.8 | 65S04 |
| CDN6PT | 1x6 DIN rail | 231x202x113 | 0.84 | 10.1 | 12.6 | 15.1 | 17.7 | 20.2 | 65S06 |
| CDN8PT | 1x8 DIN rail | 231x238x118 | 0.95 | 11.6 | 14.5 | 17.4 | 20.3 | 23.1 | 65S08 |
| CDN12PT | 1x12 DIN rail | 246x310x148 | 1.40 | 16.6 | 20.7 | 24.8 | 29.0 | 33.1 | 65S12 |
| CDN18PT | 1x18 DIN rail | 286x418x148 | 1.97 | 23.1 | 28.9 | 34.7 | 40.4 | 46.2 | 65S18 |

CONTINUED ON PAGE 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 | | | | | | |
| CDP4PT | 1x4 DIN rail | 231x166x113 | 0.81 | 8.9 | 11.1 | 13.3 | 15.5 | 17.8 | 65S04 |
| CDP6PT | 1x6 DIN rail | 231x202x113 | 0.83 | 10.1 | 12.6 | 15.1 | 17.7 | 20.2 | 65S06 |
| CDP8PT | 1x8 DIN rail | 231x238x118 | 0.96 | 11.6 | 14.5 | 17.4 | 20.3 | 23.1 | 65S08 |
| CDP12PT | 1x12 DIN rail | 246x310x148 | 1.51 | 16.6 | 20.7 | 24.8 | 29.0 | 33.1 | 65S12 |
| CDP18PT | 1x18 DIN rail | 286x418x148 | 2.03 | 23.1 | 28.9 | 34.7 | 40.4 | 46.2 | 65S18 |

CONTINUED ON PAGE 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.

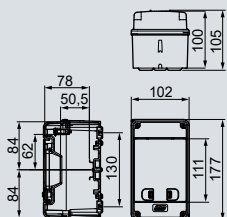
* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

NEW



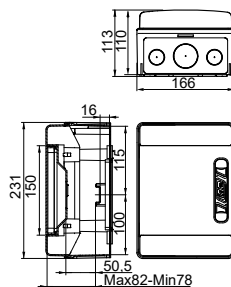
**1x4 modules
CDN4G**

TOP: 1xM25



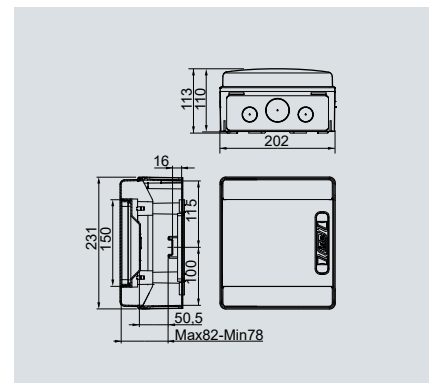
**1x4 modules
CDN4PT**

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 |
|---------------|----------------|------------------------|--------|--|------|------|------|------|-------|
| | | | | 20 | 25 | 30 | 35 | 40 | |
| | | HEIGHT X WIDTH X DEPTH | KG | | | | | | |
| 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 |
|---------------|----------------|------------------------|--------|--|------|------|------|------|-------|
| | | | | 20 | 25 | 30 | 35 | 40 | |
| | | HEIGHT X WIDTH X DEPTH | KG | | | | | | |
| 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



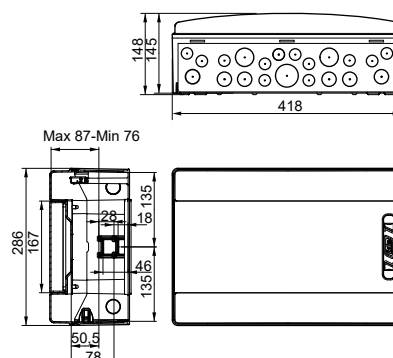
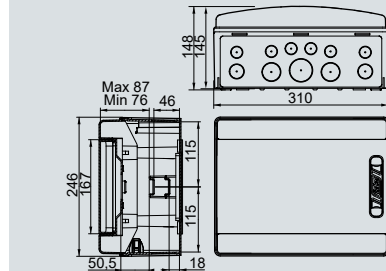
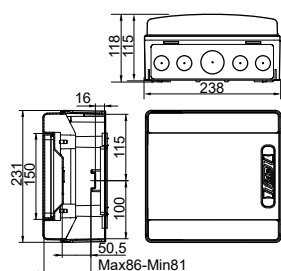
**1x12 modules
CDN12PT**

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 |
|------------------|--------------------|-------------|--------|--|------|------|------|------|-------|
| | | | | 20 | 25 | 30 | 35 | 40 | |
| CDN24PT | 2x12 (24) DIN rail | 436x310x148 | 2.26 | 25.9 | 32.3 | 38.8 | 45.3 | 51.7 | 65S24 |
| CDN36PT2F | 2x18 (36) DIN rail | 436x418x148 | 3.03 | 32.1 | 40.1 | 48.1 | 56.1 | 64.1 | 65S36 |
| CDN36PT3F | 3x12 (36) DIN rail | 586x310x148 | 3.21 | 33.2 | 41.5 | 49.8 | 58.1 | 66.5 | 65S36 |
| CDN54PT | 3x18 (54) DIN rail | 586x418x148 | 3.97 | 41.0 | 51.2 | 61.5 | 71.7 | 82.0 | 65S54 |

IP65 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 | |
| CDP24PT | 2x12 (24) DIN rail | 436x310x148 | 2.51 | 25.9 | 32.3 | 38.8 | 45.3 | 51.7 | 65S24 |
| CDP36PT2F | 2x18 (36) DIN rail | 436x418x148 | 3.41 | 32.1 | 40.1 | 48.1 | 56.1 | 64.1 | 65S36 |
| CDP36PT3F | 3x12 (36) DIN rail | 586x310x148 | 3.59 | 33.2 | 41.5 | 49.8 | 58.1 | 66.5 | 65S36 |
| CDP54PT | 3x18 (54) DIN rail | 586x418x148 | 4.07 | 41.0 | 51.2 | 61.5 | 71.7 | 82.0 | 65S54 |

HALOGEN-FREE PLASTIC MATERIALS, 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

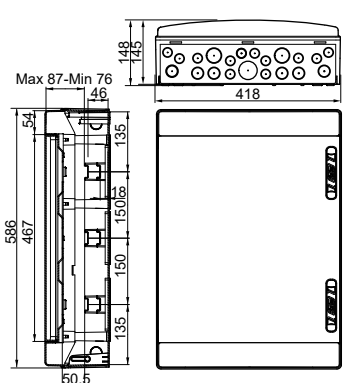
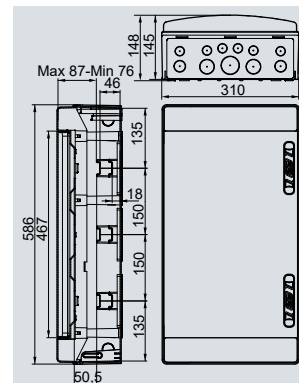
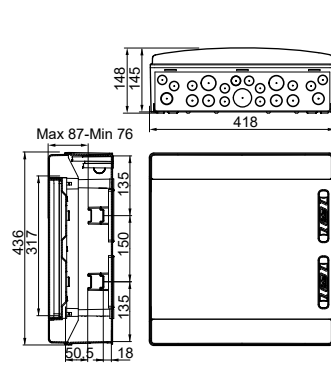
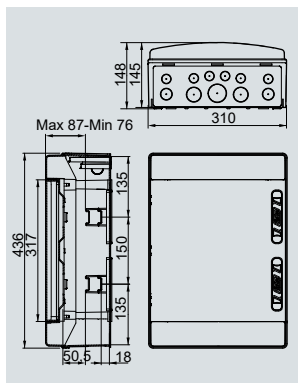
TOP: 12xM20-6xM25-2xM32-1xM40
BOTTOM: 12xM20-6xM25-2xM32-1xM40
INT: 4xM25
OBLONG REAR: 2xOB 25/32/25

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 | |
| CDN24PT/RR | 2x12 (24) DIN rail | 436x310x148 | 2.54 | 25.9 | 32.3 | 38.8 | 45.3 | 51.7 | 65S24 |
| CDN36PT2F/RR | 2x18 (36) DIN rail | 436x418x148 | 3.18 | 32.1 | 40.1 | 48.1 | 56.1 | 64.1 | 65S36 |
| CDN36PT3F/RR | 3x12 (36) DIN rail | 586x310x148 | 3.36 | 33.2 | 41.5 | 49.8 | 58.1 | 66.5 | 65S36 |
| CDN54PT/RR | 3x18 (54) DIN rail | 586x418x148 | 4.29 | 41.0 | 51.2 | 61.5 | 71.7 | 82.0 | 65S54 |

IP65 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 | |
| CDP24PT/RR | 2x12 (24) DIN rail | 436x310x148 | 2.77 | 25.9 | 32.3 | 38.8 | 45.3 | 51.7 | 65S24 |
| CDP36PT2F/RR | 2x18 (36) DIN rail | 436x418x148 | 3.56 | 32.1 | 40.1 | 48.1 | 56.1 | 64.1 | 65S36 |
| CDP36PT3F/RR | 3x12 (36) DIN rail | 586x310x148 | 3.74 | 33.2 | 41.5 | 49.8 | 58.1 | 66.5 | 65S36 |
| CDP54PT/RR | 3x18 (54) DIN rail | 586x418x148 | 4.67 | 41.0 | 51.2 | 61.5 | 71.7 | 82.0 | 65S54 |

HALOGEN-FREE PLASTIC MATERIALS, 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

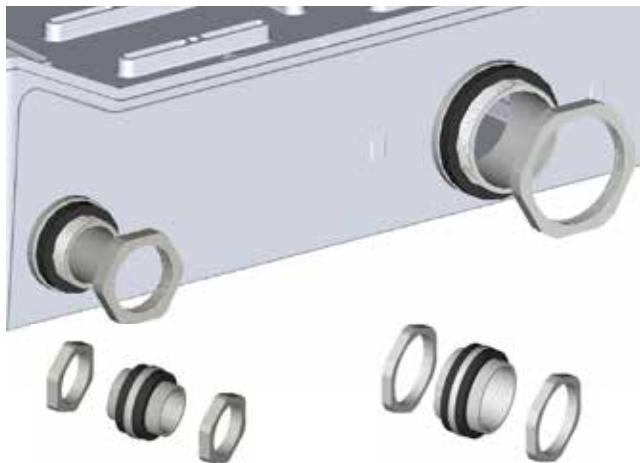
ECO-STAR SYSTEM

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 | | | | |
| CSN12PT/PLUS | 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 | | | | |
| CSN18PT/PLUS | 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 | | | | | |
| PCSN12PT/PLUS | 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 | | | | | |
| PCSN18PT/PLUS | 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 | | | | | |
| CDN24PT/PLUS | 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 | | | | | |
| CDN36PT2F/PLUS | 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 ²)+2x(2.5-6 mm ²)+2x(4-10 mm ²) | 1x(16-35 mm ²)+2x(2.5-6 mm ²)+2x(4-10 mm ²) |
| 22001 | 8+1 | 8+1 | - | - | 5x(2.5-6 mm ²)+3x(4-10 mm ²)+1x(16-35 mm ²) | 5x(2.5-6 mm ²)+3x(4-10 mm ²)+1x(16-35 mm ²) |
| 22002 | 12+2 | 12+2 | - | - | 6x(2.5-6 mm ²)+6x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) | 6x(2.5-6 mm ²)+6x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) |
| 22003 | 16+2 | 16+2 | - | - | 8x(2.5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) | 8x(2.5-6 mm ²)+8x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) |
| 22004 | 24+2 | - | - | 24+2 | 12x(2.5-6 mm ²)+12x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) | 12x(2.5-6 mm ²)+12x(4-10 mm ²)+1x(10-25 mm ²)+1x(16-35 mm ²) |
| 22005 | 32+4 | - | - | 32+4 | 16x(2.5-6 mm ²)+16x(4-10 mm ²)+2x(10-25 mm ²)+2x(16-35 mm ²) | 16x(2.5-6 mm ²)+16x(4-10 mm ²)+2x(10-25 mm ²)+2x(16-35 mm ²) |
| 22019 | 5+1 | - | - | - | 1x(16-35 mm ²)+5x(10-25 mm ²) | - |



ECOLOGY Accessories

| Miscellaneous | | Ref. |
|---|--------------|-------------|
| Interior frame-base hinge (24-36-54 mod.) (2 pieces) | 77020 | |
| Cover-base locking screws | 77200 | |
| Window hinge | 22012 | |
| Grey module cover (6 modules) | 77590 | |
| Hermetic caps (4 pieces) | 77650 | |
| M20 membrane cap | 92589 | |
| M25 membrane cap | 92590 | |
| M32 membrane cap | 92591 | |
| 4x13 screw for bar support | 92611 | |

| Locks | | Ref. |
|--|--------------|-------------|
| Standard lock | 22010 | |
| Security lock with key | 92150 | |
| Triangle lock (2 pieces) + key (1 piece) | 92000 | |

| Neutral and earth bars | | | For Mod. | Ref. |
|--|--|--|-----------------|--------------|
| Connection terminal (5+1) | | | 4 | 22019 |
| Support + neutral and earth bar (4+1 entries) | | | 4/6 | 22000 |
| Support + neutral and earth bar (8+1 entries) | | | 8 | 22001 |
| Support + neutral and earth bar (12+2 entries) | | | 12 | 22002 |
| Support + neutral and earth bar (16+2 entries) | | | 18/24 | 22003 |
| Support + neutral and earth bar (24+2 entries) | | | 36 | 22004 |
| Support + neutral and earth bar (32+4 entries) | | | 5 | 22005 |

| Transparent windows | | Ref. |
|----------------------------|--|--------------|
| 4 modules (CDN4G) | | 86490 |
| 4 modules (CDN4PT) | | 86400 |
| 6 modules | | 86410 |
| 8 modules | | 86420 |
| 12 modules | | 86430 |
| 18 modules | | 86520 |
| 24 modules | | 86440 |
| 36 modules (2 rows) | | 86450 |
| 36 modules (3 rows) | | 86460 |
| 54 modules | | 86470 |

| Bushings and cable glands | | Ref. |
|----------------------------------|--|--------------|
| M25 bushing | | 94273 |
| M40 bushing | | 94274 |
| M25 cable gland 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 |

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 |
|------------|--------|--------|--------|--------|--------------------|
| M25 | - | - | 20 mm | 16 mm | 20 mm ² |
| M40 | 32 mm | 25 mm | - | 16 mm | 20 mm ² |

LIGHT

IP65-IP67 junction boxes

Boxes with opaque cover

| Ref. No. | Dimensions | Description | Cable entry | | Weight | Power dissipation according to temperature increase °C P[W]* | | | | | Type |
|------------------------|-------------|---------------------------|--------------------|-----|--------|--|------|------|------|------|---------|
| | | | No. conical glands | | | KG | 20 | 25 | 30 | 35 | |
| HEIGHT X WIDTH X DEPTH | | | M25 | M40 | | | | | | | |
| EP048 | Ø84x50 | With conical cable glands | 4 | - | 0.07 | 1.6 | 2.0 | 2.4 | 2.9 | 3.3 | 54DS048 |
| EP088 | 95x95x52 | With conical cable glands | 7 | - | 0.08 | 1.6 | 2.0 | 2.4 | 2.9 | 3.3 | 54DS088 |
| EV111 | 119x119x68 | With conical cable glands | 7 | - | 0.16 | 2.7 | 3.4 | 4.0 | 4.7 | 5.4 | 65DS111 |
| EV161 | 130x176x80 | With conical cable glands | 6 | 4 | 0.25 | 3.8 | 4.7 | 5.7 | 6.6 | 7.6 | 65DS161 |
| EV171 | 165x189x100 | With conical cable glands | 6 | 4 | 0.38 | 6.0 | 7.5 | 9.0 | 10.5 | 12.1 | 65DS171 |
| EV231 | 194x255x101 | With conical cable glands | 4 | 6 | 0.53 | 8.6 | 10.8 | 13.0 | 15.1 | 17.3 | 65DS231 |
| EV322 | 253x342x133 | With conical cable glands | - | 12 | 1.17 | 15.7 | 19.6 | 23.6 | 27.5 | 31.4 | 65DS322 |
| EX088 | 89x89x52 | Knock-out entries | 7 | - | 0.06 | 1.6 | 2.0 | 2.4 | 2.9 | 3.3 | 54DS088 |
| EX111 | 113x113x68 | Knock-out entries | 7 | - | 0.14 | 2.7 | 3.4 | 4.0 | 4.7 | 5.4 | 65DS111 |
| EX161 | 121x167x80 | Knock-out entries | 6 | 4 | 0.23 | 3.8 | 4.7 | 5.7 | 6.6 | 7.6 | 65DS161 |
| EX171 | 156x180x100 | Knock-out entries | 6 | 4 | 0.32 | 6.0 | 7.5 | 9.0 | 10.5 | 12.1 | 65DS171 |
| EX231 | 186x246x101 | Knock-out entries | 4 | 6 | 0.49 | 8.6 | 10.8 | 13.0 | 15.1 | 17.3 | 65DS231 |
| EX322 | 244x334x133 | Knock-out entries | - | 12 | 1.06 | 15.7 | 19.6 | 23.6 | 27.5 | 31.4 | 65DS322 |
| EL111 | 113x113x68 | Plain sides | - | - | 0.14 | 2.7 | 3.4 | 4.0 | 4.7 | 5.4 | 65DS111 |
| EL161 | 121x167x80 | Plain sides | - | - | 0.22 | 3.8 | 4.7 | 5.7 | 6.6 | 7.6 | 65DS161 |
| EL171 | 156x180x100 | Plain sides | - | - | 0.33 | 6.0 | 7.5 | 9.0 | 10.5 | 12.1 | 65DS171 |
| EL231 | 186x246x101 | Plain sides | - | - | 0.47 | 8.6 | 10.8 | 13.0 | 15.1 | 17.3 | 65DS231 |
| EL322 | 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



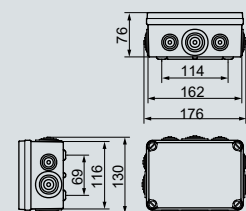
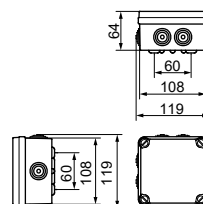
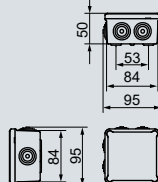
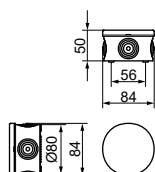
EP/EX088



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 | | | | | | |
| EVT171 | 165x189x100 | With conical cable glands | 6 | 4 | 0.38 | 6.0 | 7.5 | 9.0 | 10.5 | 12.1 | 65DS171 |
| EVT231 | 194x255x101 | With conical cable glands | 4 | 6 | 0.53 | 8.6 | 10.8 | 13.0 | 15.1 | 17.3 | 65DS231 |
| EVT322 | 253x342x133 | With conical cable glands | - | 12 | 1.17 | 15.7 | 19.6 | 23.6 | 27.5 | 31.4 | 65DS322 |
| EXT171 | 156x180x100 | Knock-out entries | 6 | 4 | 0.32 | 6.0 | 7.5 | 9.0 | 10.5 | 12.1 | 65DS171 |
| EXT231 | 186x246x101 | Knock-out entries | 4 | 6 | 0.46 | 8.6 | 10.8 | 13.0 | 15.1 | 17.3 | 65DS231 |
| EXT322 | 244x334x133 | Knock-out entries | - | 12 | 1.06 | 15.7 | 19.6 | 23.6 | 27.5 | 31.4 | 65DS322 |
| ELT171 | 156x180x100 | Plain sides | - | - | 0.38 | 6.0 | 7.5 | 9.0 | 10.5 | 12.1 | 65DS171 |
| ELT231 | 186x246x101 | Plain sides | - | - | 0.47 | 8.6 | 10.8 | 13.0 | 15.1 | 17.3 | 65DS231 |
| ELT322 | 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.



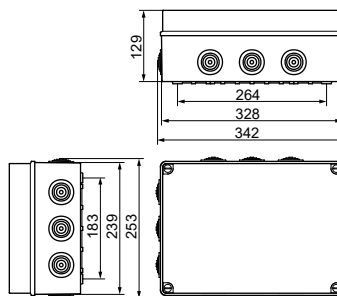
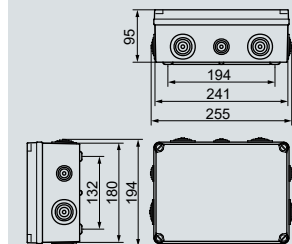
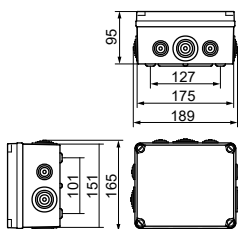
EV/EX/EL171
EVT/EXT/ELT/171



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 | | | | | | |
| GSV171 | 165x189x160 | With conical cable glands | 6 | 4 | 0.49 | 8.2 | 10.2 | 12.3 | 14.3 | 16.4 | 65GS171 |
| GSV231 | 194x255x180 | With conical cable glands | 4 | 6 | 0.80 | 12.4 | 15.4 | 18.5 | 21.6 | 24.7 | 65GS231 |
| GSV322 | 342x253x191 | With conical cable glands | - | 12 | 1.61 | 19.4 | 24.2 | 29.1 | 33.9 | 38.8 | 65GS322 |
| GSX171 | 156x180x160 | Knock-out entries | 6 | 4 | 0.43 | 8.2 | 10.2 | 12.3 | 14.3 | 16.4 | 65GS171 |
| GSX231 | 186x246x180 | Knock-out entries | 4 | 6 | 0.77 | 12.4 | 15.4 | 18.5 | 21.6 | 24.7 | 65GS231 |
| GSX322 | 244x334x191 | Knock-out entries | - | 12 | 1.48 | 19.4 | 24.2 | 29.1 | 33.9 | 38.8 | 65GS322 |
| GSL171 | 156x180x160 | Plain sides | - | - | 0.43 | 8.2 | 10.2 | 12.3 | 14.3 | 16.4 | 65GS171 |
| GSL231 | 186x246x180 | Plain sides | - | - | 0.74 | 12.4 | 15.4 | 18.5 | 21.6 | 24.7 | 65GS231 |
| GSL322 | 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.

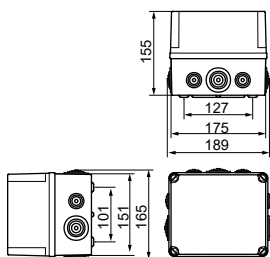
References GSV: IP65.

References GSX-GSL: IP65-IP67.

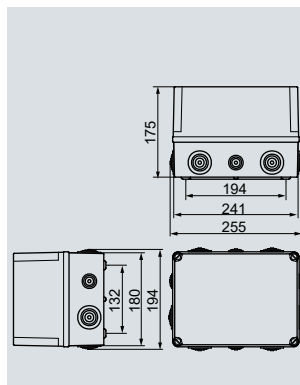
* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



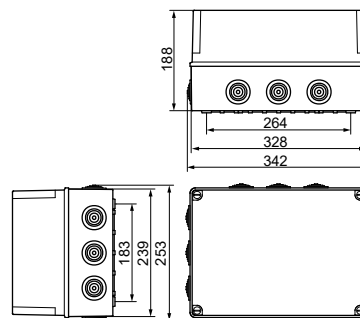
GSV/GSX/GSL171



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 | | | | | | |
| GSVT171 | 165x189x160 | With conical cable glands | 6 | 4 | 0.53 | 8.2 | 10.2 | 12.3 | 14.3 | 16.4 | 65GS171 |
| GSVT231 | 194x255x180 | With conical cable glands | 4 | 6 | 0.87 | 12.4 | 15.4 | 18.5 | 21.6 | 24.7 | 65GS231 |
| GSVT322 | 342x253x191 | With conical cable glands | - | 12 | 1.61 | 19.4 | 24.2 | 29.1 | 33.9 | 38.8 | 65GS322 |
| GSXT171 | 156x180x160 | Knock-out entries | 6 | 4 | 0.46 | 8.2 | 10.2 | 12.3 | 14.3 | 16.4 | 65GS171 |
| GSXT231 | 186x246x180 | Knock-out entries | 4 | 6 | 0.80 | 12.4 | 15.4 | 18.5 | 21.6 | 24.7 | 65GS231 |
| GSXT322 | 244x334x191 | Knock-out entries | - | 12 | 1.48 | 19.4 | 24.2 | 29.1 | 33.9 | 38.8 | 65GS322 |
| GSLT171 | 156x180x160 | Plain sides | - | - | 0.46 | 8.2 | 10.2 | 12.3 | 14.3 | 16.4 | 65GS171 |
| GSLT231 | 186x246x180 | Plain sides | - | - | 0.80 | 12.4 | 15.4 | 18.5 | 21.6 | 24.7 | 65GS231 |
| GSLT322 | 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.

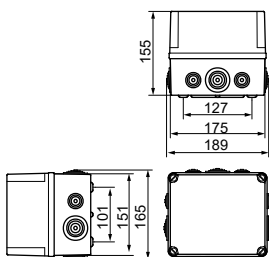
References GSVT: IP65.

References GSXT-GSLT: IP65-IP67.

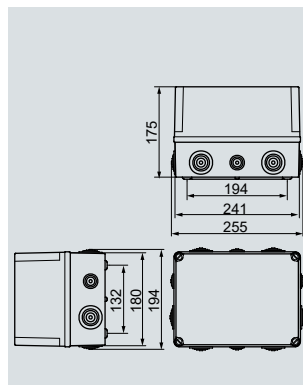
* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



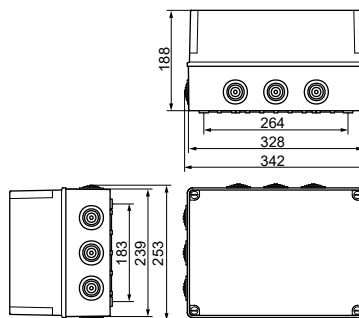
GSVT/GSXT/GSLT171



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

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 |

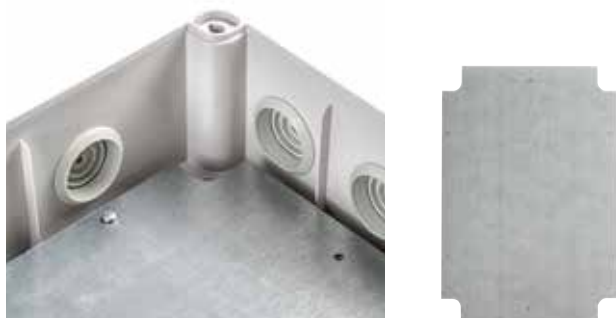
See our full range of plugs and sockets on page 370

LIGHT Accessories

| | Ref. | | Ref. |
|---|--------------|---|--------------|
| Metal plate for boxes Ref. 171 | 92123 | 25 diameter conical glands | 77952 |
| Metal plate for boxes Ref. 231 | 92125 | 25 HF* diameter conical glands | 77953 |
| Low metal plate for boxes Ref. 322 | 92127 | 40 diameter conical glands | 77962 |
| High metal plate for boxes Ref. 322 | 92129 | 40 HF* diameter conical glands | 77963 |
| Polyester plate for boxes Ref. 111 | 92119 | 3.9 x 9.5 screw for metal and polyester plate | 92609 |
| Polyester plate for boxes Ref. 161 | 92121 | Hermetic caps | 77650 |
| Polyester plate for boxes Ref. 171 | 92122 | Screws with arrow | 77712 |
| Polyester plate for boxes Ref. 231 | 92124 | Screws without arrow | 77702 |
| Low polyester plate for boxes Ref. 322 | 92126 | Screws base cover for Ref. GS322 and EV-EL-EX | 77720 |
| High polyester plate for boxes Ref. 322 | 92128 | | |

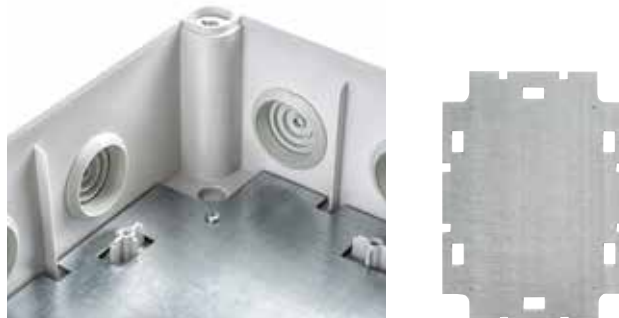
* HF: Halogen-free conical glands.

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 |
|--------------|--------------------------------------|
| 22050 | 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



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 | |
| BT2 | - | 1x2 DIN rail | 130x50x64 | 0.08 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 40SP2 |
| BT4 | - | 1x4 DIN rail | 130x85x64 | 0.10 | 2.7 | 3.3 | 4.0 | 4.7 | 5.3 | 40SP4 |
| BV4PO | BV4PT | 1x4 DIN rail | 228x120x99 | 0.43 | 6.7 | 8.4 | 10.0 | 11.7 | 13.4 | 40S04 |
| BV8PO | BV8PT | 1x8 DIN rail | 228x191x99 | 0.61 | 9.0 | 11.2 | 13.4 | 15.7 | 17.9 | 40S08 |
| BV12PO | BV12PT | 1x12 DIN rail | 228x264x99 | 0.80 | 11.3 | 14.1 | 17.0 | 19.8 | 22.6 | 40S12 |
| BV24PO | BV24PT | 2x12 (24) DIN rail | 353x264x99 | 1.28 | 16.1 | 20.1 | 24.1 | 28.2 | 32.2 | 40S24 |
| BV36PO | BV36PT | 3x12 (36) DIN rail | 497x264x99 | 1.82 | 21.6 | 27.0 | 32.4 | 37.8 | 43.2 | 40S36 |

HALOGEN-FREE PLASTIC MATERIALS

Ref. BV4PO - 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**



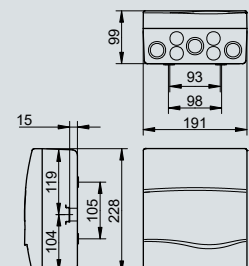
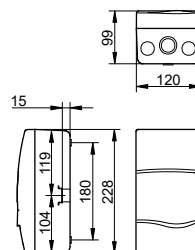
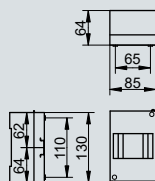
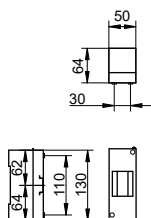
**1x4 modules
BV4PO**

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 | |
| BV4PO/RR | BV4PT/RR | 1x4 DIN rail | 228x120x99 | 0.49 | 6.7 | 8.4 | 10.0 | 11.7 | 13.4 | 40S04 |
| BV8PO/RR | BV8PT/RR | 1x8 DIN rail | 228x191x99 | 0.70 | 9.0 | 11.2 | 13.4 | 15.7 | 17.9 | 40S08 |
| BV12PO/RR | BV12PT/RR | 1x12 DIN rail | 228x264x99 | 0.91 | 11.3 | 14.1 | 17.0 | 19.8 | 22.6 | 40S12 |
| BV24PO/RR | BV24PT/RR | 2x12 (24) DIN rail | 353x264x99 | 1.45 | 16.1 | 20.1 | 24.1 | 28.2 | 32.2 | 40S24 |
| BV36PO/RR | BV36PT/RR | 3x12 (36) DIN rail | 497x264x99 | 2.04 | 21.6 | 27.0 | 32.4 | 37.8 | 43.2 | 40S36 |

HALOGEN-FREE PLASTIC MATERIALS

Ref. BV4PO/RR - 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.

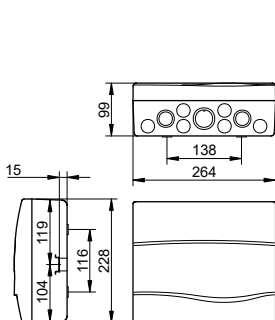
/RR: With neutral and earth bars.

* 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.



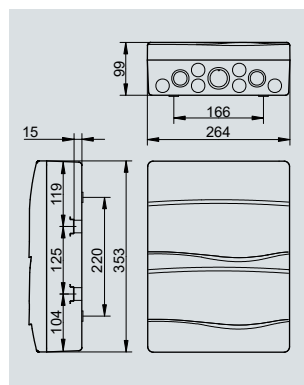
1x12 modules BV12PO

TOP: 6xM25-2xM25/32-1xM32/40
 BOTTOM: 6xM25-2xM25/32-1xM32/40
 LEFT: 1xM25/32
 RIGHT: 1xM25/32



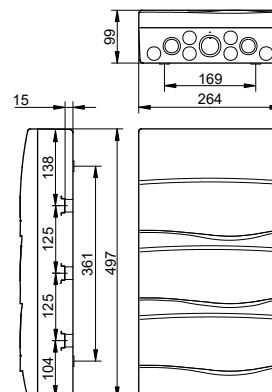
2x12 (24) modules BV24PO

TOP: 6xM25-2xM25/32-1xM32/40
 BOTTOM: 6xM25-2xM25/32-1xM32/40
 LEFT: 2xPG16/21
 RIGHT: 2xPG16/21



3x12 (36) modules BV36PO

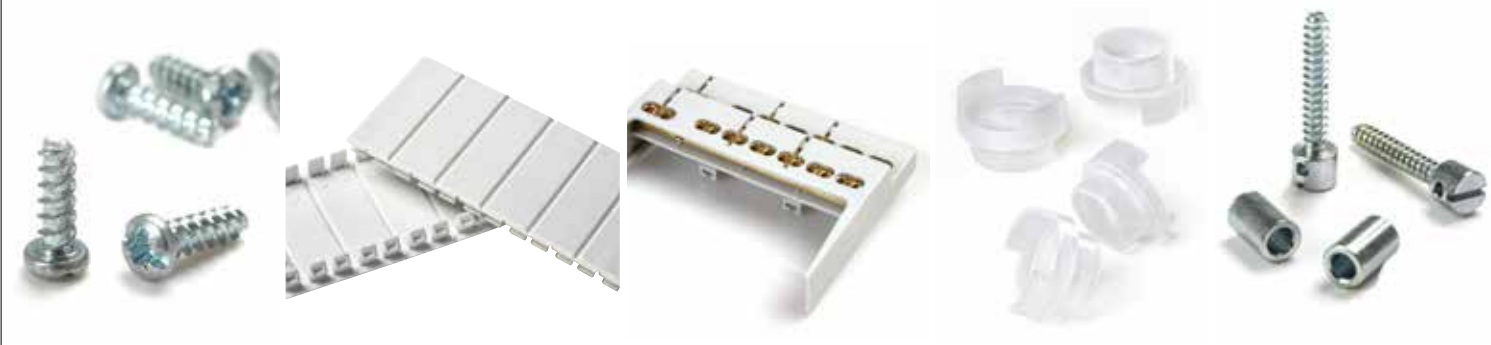
TOP: 6xM25-2xM25/32-1xM32/40
 BOTTOM: 6xM25-2xM25/32-1xM32/40
 LEFT: 2PG16/21
 RIGHT: 2xPG16/21



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 |
| 22016 | 4+2 | 4+2 | 2x(4-10 mm ²)+4x(2.5-6 mm ²) | 2x(4-10 mm ²)+4x(2.5-6 mm ²) |
| 22017 | 8+2 | 8+2 | 1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²) | 1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²) |
| 22018 | 12+2 | 12+2 | 1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²) | 1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²) |

COMBI Accessories

Miscellaneous

| | Ref. |
|-------------------------------|--------------|
| Sealable kit for 4-module box | 25975 |
| White module cover (6 mod.) | 77600 |
| Hermetic caps (4 pieces) | 77650 |
| 4x13 frame-base closing screw | 92611 |

Neutral and earth bars

| | Ref. |
|---|--------------|
| Support + neutral and earth bars (4+2 entries) | 22016 |
| Support + neutral and earth bars (8+2 entries) | 22017 |
| Support + neutral and earth bars (12+2 entries) | 22018 |

Opaque windows

| | Ref. |
|------------------|--------------|
| 4 modules | 76420 |
| 8 modules | 76440 |
| 12-24-36 modules | 76460 |

Transparent windows

| | Ref. |
|------------------|--------------|
| 4 modules | 76790 |
| 8 modules | 76800 |
| 12-24-36 modules | 76760 |



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

ORO 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.

ORO Certifications

CE

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

- Flush-fit boxes with a capacity of 4, 8, 12, 24 and 36 modules with opaque or transparent window.

Material

- Halogen-free plastic materials.
- Base, frame and opaque window: ABS RAL 9003 white.
- Transparent window in tinted PC, with UV protection.

Supply

- Supplied in individual packaging. When several items are sent together, they are bundled together with transparent film. They are supplied with all the elements assembled, except for the ones supplied in the accessory bag.
- Accessory bag:
 - Hermetic caps.
 - Frame-base locking screws.
 - Grey module cover (6 modules).
 - Module identification strips.
 - Assembly instructions.

Window opening and closing by vertical rotation based on an exclusive design that adapts to settings where decoration is highly important



Base

- The flush-fit bases have a 5-mm-wide horizontal rib and reinforcement ribs on the inside and on the outside, thus preventing possible deformations caused by the force applied during flush-fitting.
- The top and bottom sides have knock-outs with the standard metric M25, M32 and M40 diameters so that they can be quickly removed with a screwdriver for cable and pipe entry.
- There is an arrow on the bottom of the base that indicates correct box position; this ensures that the space between the rails is suitable in order to guarantee that power dissipates inside the enclosure correctly, in accordance with the regulations.
- For two rails, the top space must be greater than 115 mm; for three rails the top space must be greater than 135 mm. The bottom space should always be greater than 100 mm.
- The bottom of the base is fitted with supports for attaching neutral and earth bars, as well as the housings for attaching the DIN rail.

Frame-base closing

- The top and bottom sides of the enclosure have clips on the frame and their corresponding housings on the base. With the help of these clips, and applying a little pressure, the frame-base assembly can easily be opened and closed. This is a provisional closure during the installation period. The box is definitively closed by means of four 4x13 screws in the housings located inside the window gap. These screws are supplied in the accessory bag.
- There is a 10-mm frame all around the cover to conceal possible flaws or damage caused during flush-fitting.
- The 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 | | | | | | |
| BM4PO | BM4PT | 1x4 DIN rail | 228x120x97 | 228x120x65 | 0.40 | 4.1 | 5.1 | 6.2 | 7.2 | 8.2 | 40E04 |
| BM8PO | BM8PT | 1x8 DIN rail | 248x210x97 | 228x190x65 | 0.62 | 5.9 | 7.4 | 8.8 | 10.3 | 11.8 | 40E08 |
| BM12PO | BM12PT | 1x12 DIN rail | 248x283x97 | 228x263x65 | 0.79 | 7.8 | 9.7 | 11.6 | 13.6 | 15.5 | 40E12 |
| BM24PO | BM24PT | 2x12 (24) DIN rail | 373x283x97 | 353x263x65 | 1.30 | 11.5 | 14.4 | 17.3 | 20.2 | 23.1 | 40E24 |
| BM36PO | BM36PT | 3x12 (36) DIN rail | 517x283x97 | 497x263x65 | 1.87 | 15.9 | 19.9 | 23.9 | 27.8 | 31.8 | 40E36 |

HALOGEN-FREE PLASTIC MATERIALS

Ref. BM4PO - BM4PT: sealable by ordering the 25975 kit.

Frame, base and opaque window in white ABS RAL 9003.

Transparent window in tinted PC, with UV protection.

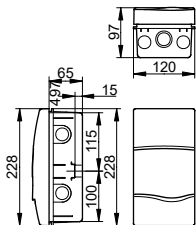
IP40 - Flush-fit.

* 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.



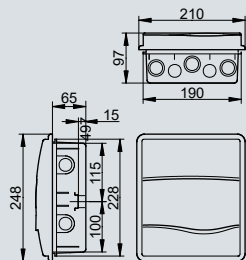
**1x4 modules
BM4PO**

TOP: 2xM25-1xM25/32
BOTTOM: 2xM25-1xM25/32
LEFT: 2xM25
RIGHT: 2xM25



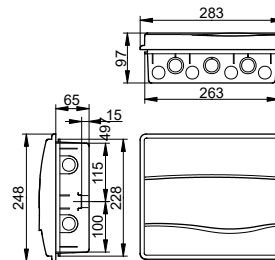
**1x8 modules
BM8PO**

TOP: 2xM25-3xM25/32
BOTTOM: 2xM25-3xM25/32
LEFT: 2xM25
RIGHT: 2xM25



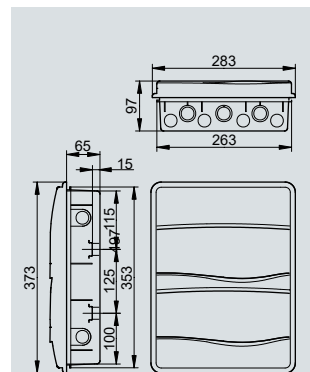
**1x12 modules
BM12PO**

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 | |
| BM4PO/RR | BM4PT/RR | 1x4 DIN rail | 228x120x97 | 228x120x65 | 0.47 | 4.1 | 5.1 | 6.2 | 7.2 | 8.2 | 40E04 |
| BM8PO/RR | BM8PT/RR | 1x8 DIN rail | 248x210x97 | 228x190x65 | 0.70 | 5.9 | 7.4 | 8.8 | 10.3 | 11.8 | 40E08 |
| BM12PO/RR | BM12PT/RR | 1x12 DIN rail | 248x283x97 | 228x263x65 | 0.89 | 7.8 | 9.7 | 11.6 | 13.6 | 15.5 | 40E12 |
| BM24PO/RR | BM24PT/RR | 2x12 (24) DIN rail | 373x283x97 | 353x263x65 | 1.46 | 11.5 | 14.4 | 17.3 | 20.2 | 23.1 | 40E24 |
| BM36PO/RR | BM36PT/RR | 3x12 (36) DIN rail | 517x283x97 | 497x263x65 | 2.06 | 15.9 | 19.9 | 23.9 | 27.8 | 31.8 | 40E36 |

HALOGEN-FREE PLASTIC MATERIALS

Ref. BM4PO/RR - BM4PT/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 - Flush-fit.

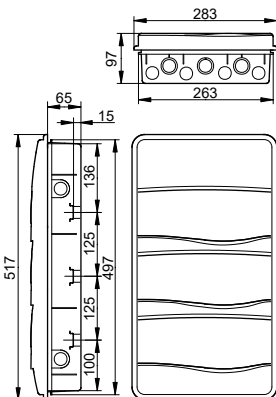
/RR: With neutral and earth bars.

* 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 |
| 22016 | 4+2 | 4+2 | 2x(4-10 mm ²)+4x(2.5-6 mm ²) | 2x(4-10 mm ²)+4x(2.5-6 mm ²) |
| 22017 | 8+2 | 8+2 | 1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²) | 1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²) |
| 22018 | 12+2 | 12+2 | 1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²) | 1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²) |

ORO Accessories

Miscellaneous

| | Ref. |
|--------------------------------|--------------|
| Sealable kit for 4-module box | 25975 |
| 4x13 frame-base closing screws | 92611 |
| White module cover (6 mod.) | 77600 |

Neutral and earth bars

| | Ref. |
|---|--------------|
| Support + neutral and earth bars (4+2 entries) | 22016 |
| Support + neutral and earth bars (8+2 entries) | 22017 |
| Support + neutral and earth bars (12+2 entries) | 22018 |

Opaque windows

| | Ref. |
|------------------|--------------|
| 4 modules | 76420 |
| 8 modules | 76440 |
| 12-24-36 modules | 76460 |

Transparent windows

| | Ref. |
|------------------|--------------|
| 4 modules | 76790 |
| 8 modules | 76800 |
| 12-24-36 modules | 76760 |



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.

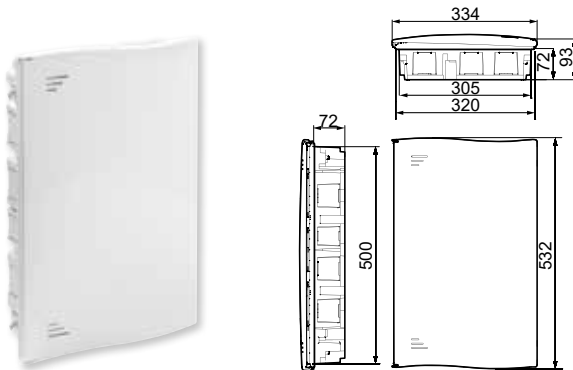
/PH: For hollow walls. Glow wire resistance: 850 °C.

/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.

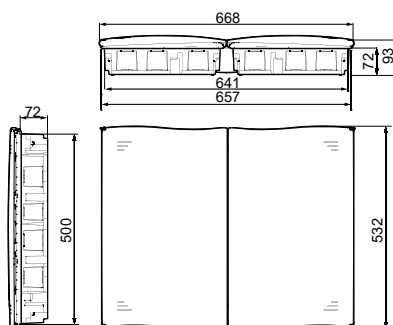
3x14 (42) modules

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 |

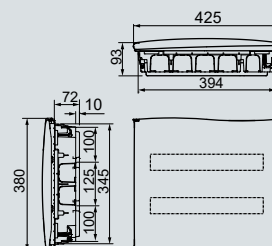


NEW



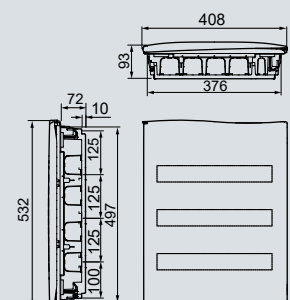
2x18 (36) modules

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 | |
| DFF36PO/RR | 2x18 (36) | 380x425x93 | 345x394x72 | 2.04 | 19.2 | 24.1 | 28.9 | 33.7 | 38.5 | DFF36 |
| DFF42PO/RR | 3x14 (42) | 532x334x93 | 480x300x72 | 2.33 | 21.3 | 26.6 | 31.9 | 37.2 | 42.5 | DFF42 |
| DFF54PO/RR | 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.

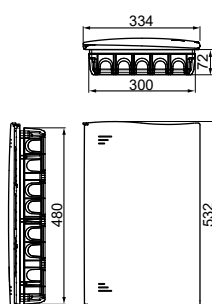
DIAMANT Accesories Opaque windows

Ref.

| | |
|-----------------------|--------------|
| For DFF36PO | PBI28 |
| For DFF42PO - DFF84PO | PBI32 |
| For DFF54PO | PBI44 |



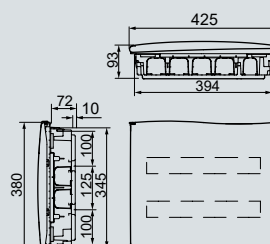
3x14 (42) modules
DFF42PO/RR



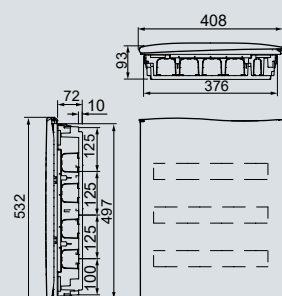
NEW



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

- 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

- Frame and opaque window: RAL 9003 white metal sheet steel.
- Base made of high impact polystyrene.

Supply

- Supplied in a single box per packaging multiple.
- Accessory bag:
 - Neutral and earth bars.
 - White module cover.
 - Lid-base locking screws.
 - Assembly Instructions.

Available in two versions: for hollow walls and for 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 | |
| SIL14PO/PH | 12+2 DIN rail | 1 | 343x368x93 | 314x314x86 | 2.48 | 13.1 | 16.4 | 19.7 | 23.0 | 26.3 | 40SIL14 |
| SIL28PO/PH | 24+4 DIN rail | 2 | 443x368x93 | 414x314x86 | 3.15 | 16.9 | 21.1 | 25.3 | 29.5 | 33.7 | 40SIL28 |
| SIL42PO/PH | 36+6 DIN rail | 3 | 568x368x93 | 539x314x86 | 3.84 | 21.5 | 26.9 | 32.3 | 37.7 | 43.1 | 40SIL42 |
| SIL56PO/PH | 48+8 DIN rail | 4 | 753x368x93 | 724x314x86 | 4.88 | 28.4 | 35.5 | 42.6 | 49.7 | 56.8 | 40SIL56 |
| SIL70PO/PH | 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**



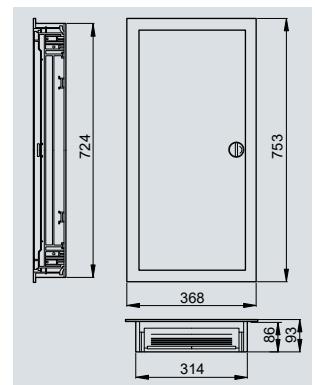
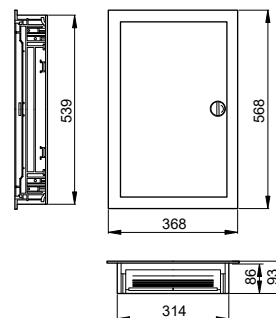
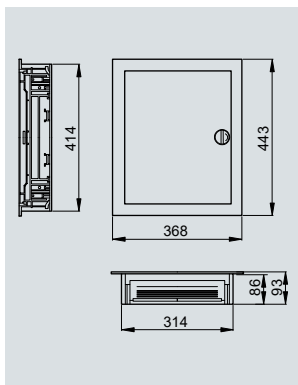
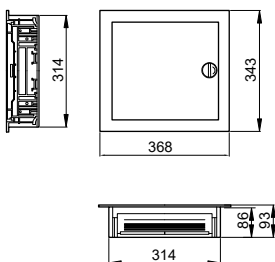
**24+4 modules
SIL28PO**



**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 | |
| SIL14PO | 12+2 DIN rail | 1 | 343x368x93 | 314x314x86 | 2.39 | 13.1 | 16.4 | 19.7 | 23.0 | 26.3 | 40SIL14 |
| SIL28PO | 24+4 DIN rail | 2 | 443x368x93 | 414x314x86 | 3.15 | 16.9 | 21.1 | 25.3 | 29.5 | 33.7 | 40SIL28 |
| SIL42PO | 36+6 DIN rail | 3 | 568x368x93 | 539x314x86 | 3.84 | 21.5 | 26.9 | 32.3 | 37.7 | 43.1 | 40SIL42 |
| SIL56PO | 48+8 DIN rail | 4 | 753x368x93 | 724x314x86 | 4.88 | 28.4 | 35.5 | 42.6 | 49.7 | 56.8 | 40SIL56 |
| SIL70PO | 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.

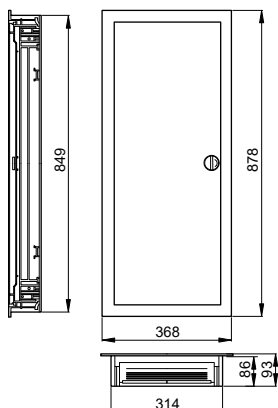


SILVER ACCESSORIES

| Miscellaneous | Ref. |
|-----------------------------|--------------|
| Lock with key | 22020 |
| Hollow walls accessory bag | 22021 |
| Brick walls accessory bag | 22022 |
| Silver standard lock | 22023 |
| Spare hinge | 22024 |
| White module cover (6 mod.) | 77600 |

| Neutral and earth bars | Ref. |
|--|--------------|
| Support + neutral and earth bar (16 entries) | 22025 |

60+10 modules SIL70PO



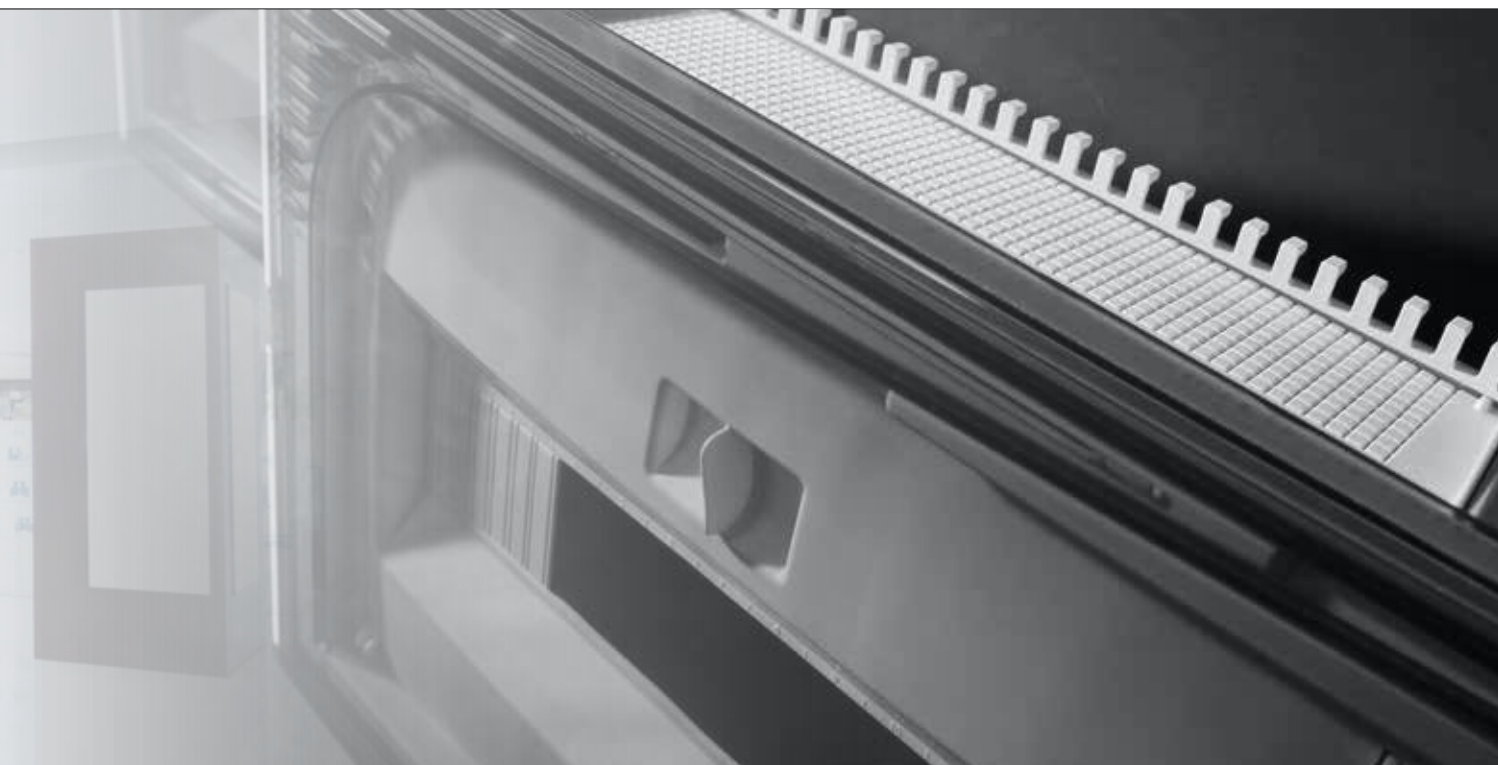
HABITAT



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.



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



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.



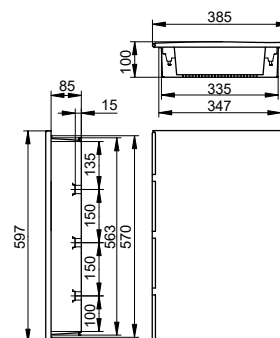
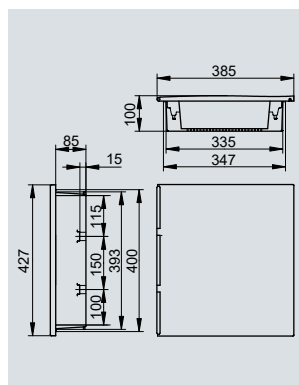
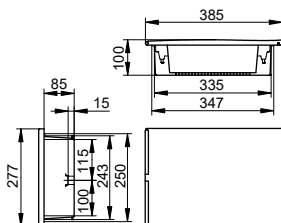
1x14 modules
PH/EM14B0/RR



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 |
| 22016 | 4+2 | 4+2 | - | - | 2x(4-10 mm ²)+4x(2.5-6 mm ²) | 2x(4-10 mm ²)+4x(2.5-6 mm ²) |
| 22017 | 8+2 | 8+2 | 8+2 | 8+2 | 1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²) | 1x(10-25 mm ²)+1x(4-10 mm ²)+8x(2.5-6 mm ²) |
| 22018 | 12+2 | 12+2 | 12+2 | 12+2 | 1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²) | 1x(10-25 mm ²)+1x(4-10 mm ²)+12x(2.5-6 mm ²) |

HABITAT Accessories

| Miscellaneous | Ref. |
|-----------------------------|--------------|
| DIN rail 14/28/42 | 92765 |
| White module cover (6 mod.) | 77600 |
| Hollow wall accessory bag | 94037 |
| Covers | Ref. |
| Cover for 30P14 | 74702 |
| Cover for 30P28 | 74712 |
| Cover for 30P42 | 74722 |

| Neutral and earth bars | Ref. |
|---|--------------|
| Support + neutral and earth bars (4+2 entries) | 22016 |
| Support + neutral and earth bars (8+2 entries) | 22017 |
| Support + neutral and earth bars (12+2 entries) | 22018 |
| Opaque windows | Ref. |
| 14 modules | 76902 |
| 28 modules | 76912 |
| 42 modules | 76922 |

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

- 5 models for mechanism boxes of 1, 2, 3, 4 and 5 crowns.
- 3 models for junction boxes.

Material

- 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).

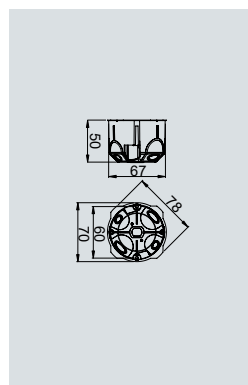
Yellow base.

Flush fit - Hollow walls - Glow wire resistance 850°.

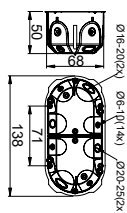
* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



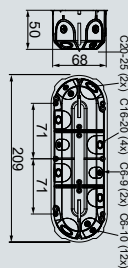
D70/1K



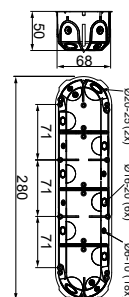
D70/2K



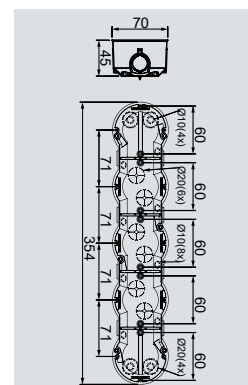
D70/3K



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).

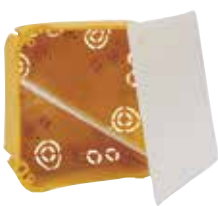
Yellow base - white cover RAL 9003.

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 |



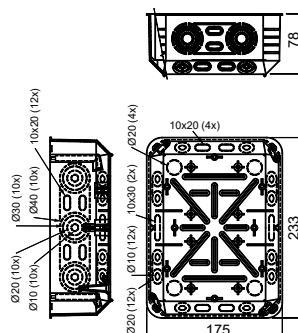
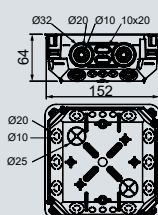
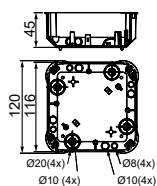
CT115/K



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]* | | | | |
|---------------|---------------------|---------------------------------|--------|--|------|------|------|------|
| | | | | HEIGHT X WIDTH X DEPTH | KG | 20 | 25 | 30 |
| CT536/PH | 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) | 22100 |
| Accessories bag for joining (2 units) | 22101 |





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 |

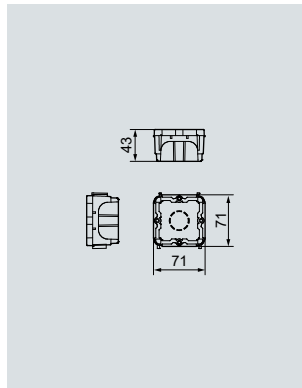
HALOGEN-FREE PLASTIC MATERIALS

Base in black PS and cover in RAL 9003 white PS / D70-D100: Base and cover in self-extinguishing RAL 9003 white PVC.

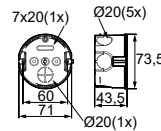
IP33 [Except D88] - Flush-fit.

* 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.

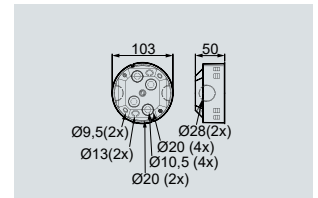
D88



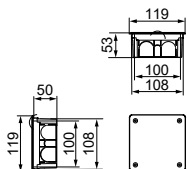
D70



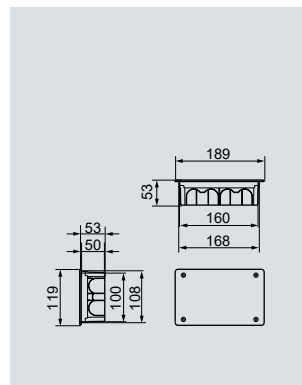
D100



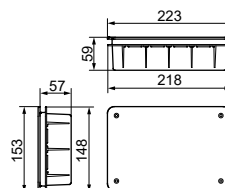
D110/CT110



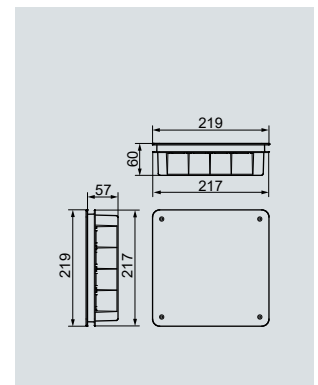
D114/CT114



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.

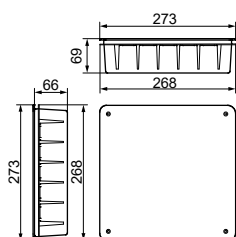
DOMOS Accessories

| | Ref. |
|--------------------------|--------------|
| Cover for D88 | 94380 |
| Cover for D70 | 45925 |
| Cover for D100 | 45926 |
| Cover for CT110 (screws) | 74480 |
| Cover for D110 (clips) | 74485 |
| Cover for CT114 (screws) | 74450 |
| Cover for D114 (clips) | 74455 |
| Cover for CT210 (screws) | 74510 |
| Cover for D210 (clips) | 74512 |

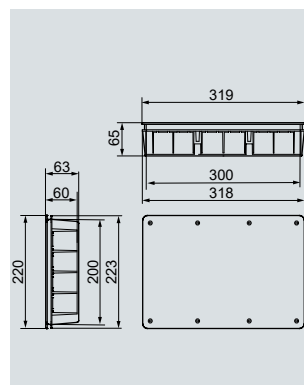
| | Ref. |
|--------------------------|--------------|
| Cover for CT220 (screws) | 74490 |
| Cover for CT225 (screws) | 74515 |
| Cover for CT326 (screws) | 74460 |
| Cover for CT338 (screws) | 74500 |
| Cover for CT536 (screws) | 74470 |
| 4x13 screws for covers | 92611 |



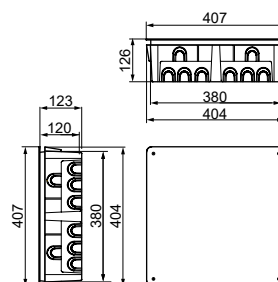
CT225



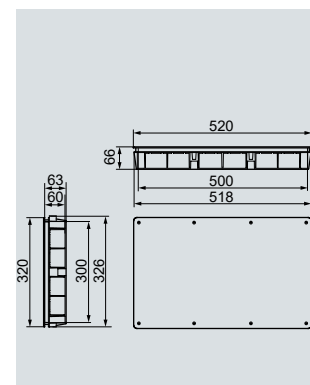
CT326



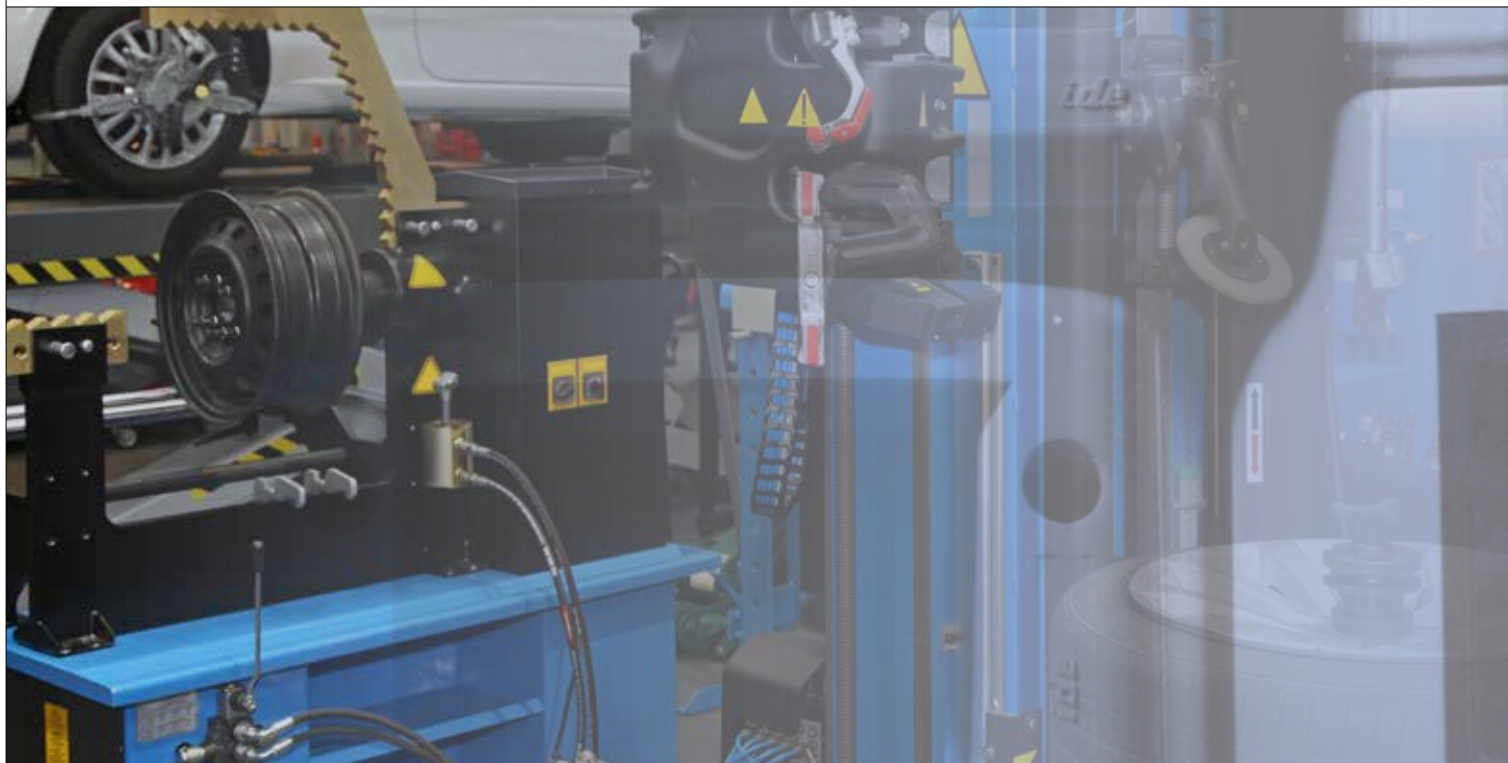
CT338



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 mm².

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 | | |
| 45011 | 1 module | 85x70x55 | 0.07 | 40 | 1M |
| 45012 | 2 modules | 85x70x55 | 0.07 | 40 | 2M |
| 45013 | 3 modules | 85x95x55 | 0.10 | 40 | 3M |
| 45014 | 4 modules | 85x142x55 | 0.13 | 40 | 4M |
| 45016 | 6 modules | 85x190x55 | 0.17 | 40 | 6M |
| 45018 | 12 modules | 157.4x185x78 | 0.31 | 40 | 12M |

HALOGEN-FREE PLASTIC MATERIALS

ABS RAL 7035 grey.

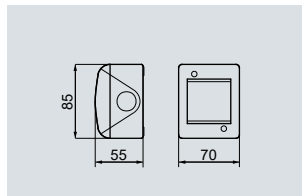
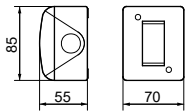
IP40 - Surface.



1 module
45011



2 modules
45012



3 modules
45013



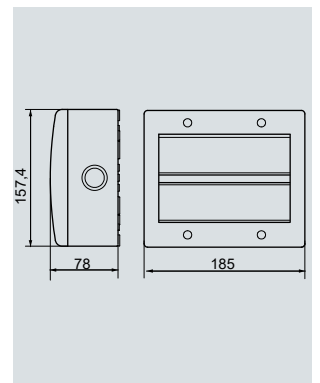
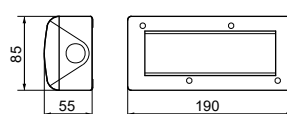
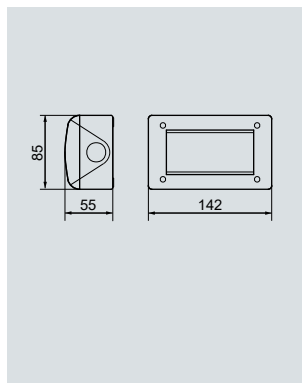
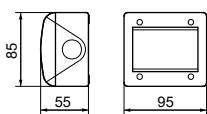
4 modules
45014



6 modules
45016



12 modules
45018



IP55 mechanism boxes

| Reference No. | No. of modules | Dimensions | Weight | IP | Type |
|---------------|----------------|------------------------|--------|----|------|
| | | HEIGHT X WIDTH X DEPTH | KG | | |
| 45001 | 1 module | 85x70x63 | 0.10 | 55 | 1M |
| 45002 | 2 modules | 85x70x63 | 0.10 | 55 | 2M |
| 45003 | 3 modules | 85x95x63 | 0.13 | 55 | 3M |
| 45004 | 4 modules | 85x142x63 | 0.16 | 55 | 4M |

HALOGEN-FREE PLASTIC MATERIALS

ABS RAL 7035 grey.

IP55 - Surface.



1 module
45001



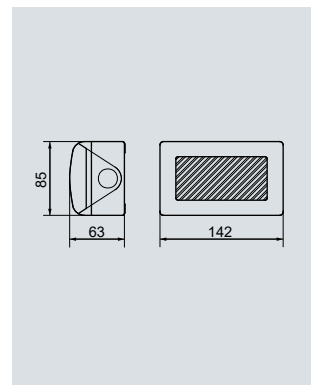
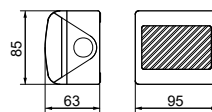
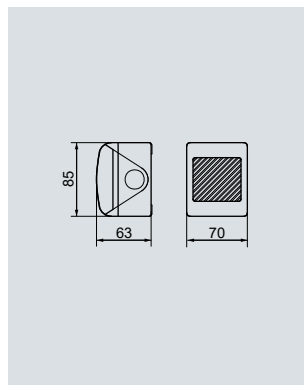
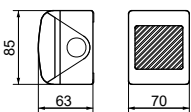
2 modules
45002



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 | 130V | - |
| 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 |
|---------------|----------------------|--------|---------------------------------|-----------|
| | | | | KG |
| 45080 | Box without cover | 4"x2" | 4x1/2 - 3x3/4 - 2x1 - 2x3/4 - 1 | 0.04 |
| 45081 | Box without cover | 4"x4" | 4x1/2 - 6x3/4 - 5x1 | 0.06 |
| 45082 | Cover for mechanisms | 4"x4" | - | 0.02 |
| 45083 | Blanking cover | 4"x4" | - | 0.02 |

HALOGEN-FREE PLASTIC MATERIALS

ABS RAL 7035 grey.

IP20 - Surface.



45080

CABLE ENTRY: 4xØ1/2" - 3xØ3/4" - 2xØ1" - 2xØ3/4" - 1"



45081

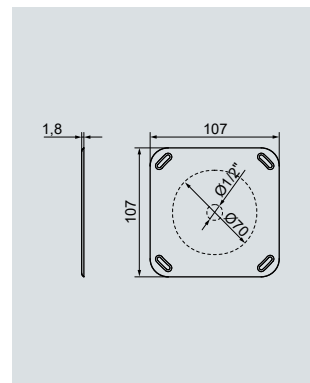
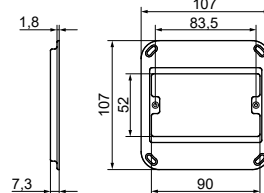
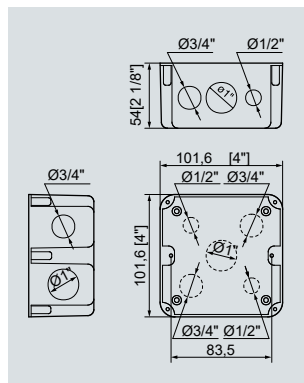
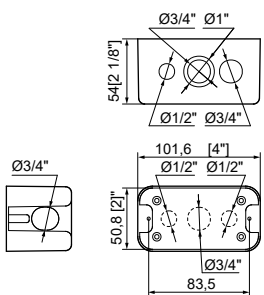
CABLE ENTRY: 4xØ1/2" - 6xØ3/4" - 5xØ1"



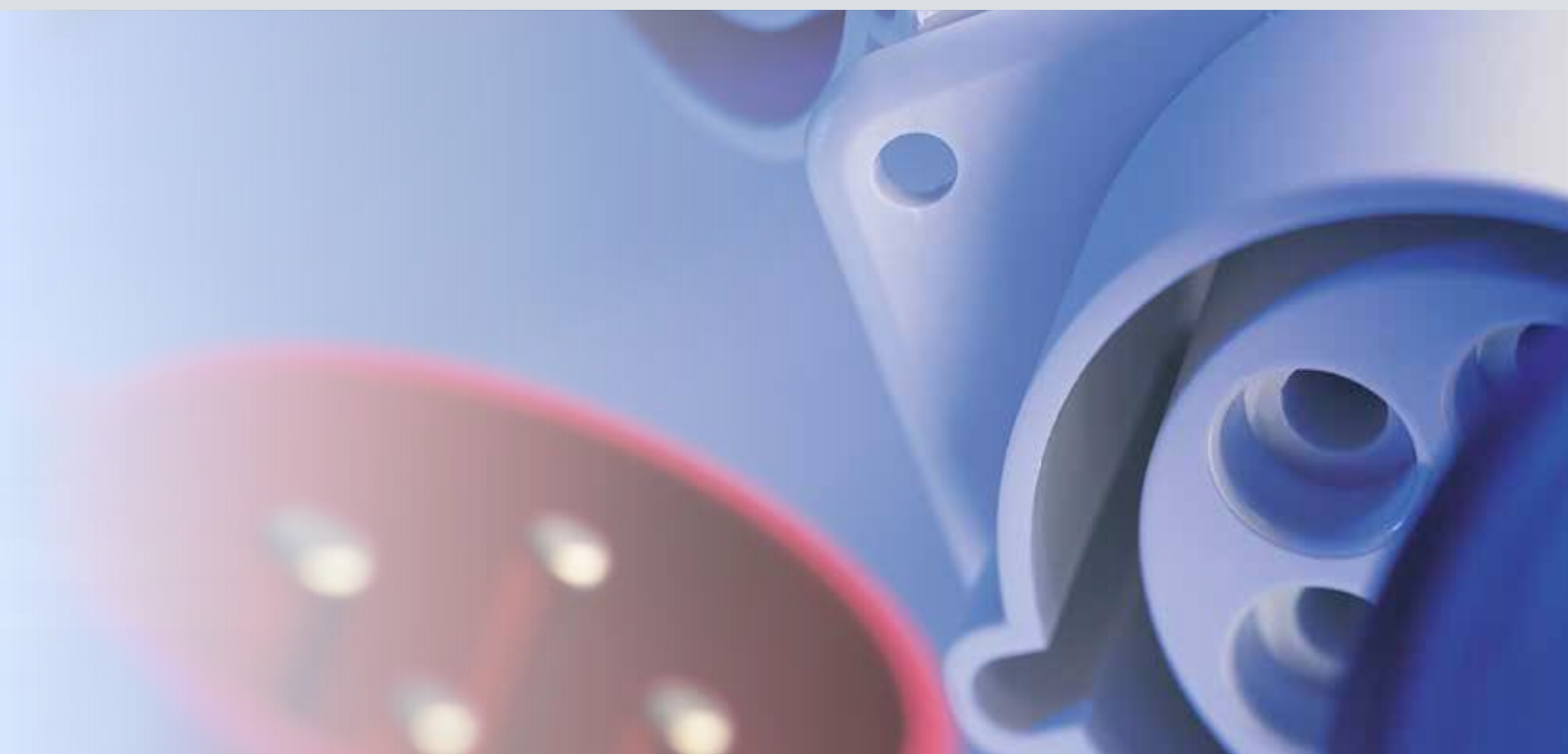
45082



45083







POWER SOCKETS

Industrial plugs and sockets

Mundial series
SCHUKO-TYPE
LOW VOLTAGE
INTERLOCKING
EXTRA LOW VOLTAGE

MUNDIAL



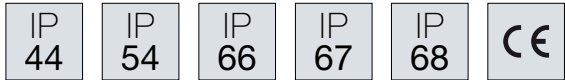
Industrial plugs and sockets

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 ² | Rigid mm ² |
| 16 | 4 | 6 |
| 32 | 6 | 10 |
| 63 | 16 | 25 |
| 125 | 50 | 70 |

Position of the earth contact (According to IEC 60309-2 - Series I)

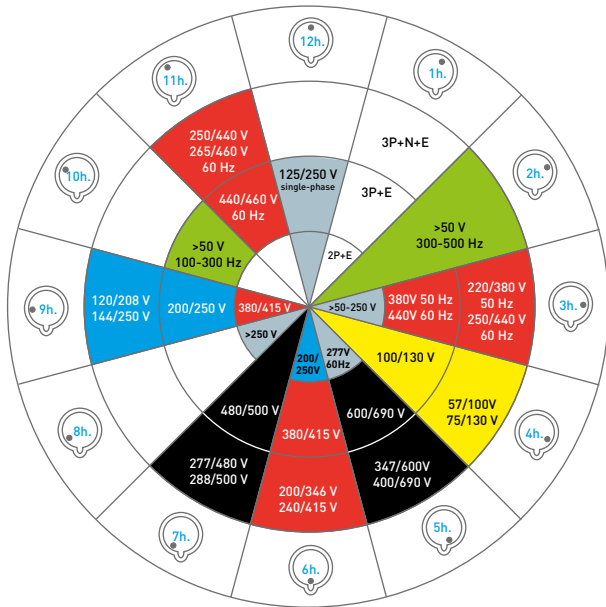
| Voltage (V) | Frequency (HZ) | 2P+E | | 3P+E | | 3P+N+E | |
|-------------------|----------------|---------|----------|---------|----------|---------|----------|
| | | 16-32 A | 63-125 A | 16-32 A | 63-125 A | 16-32 A | 63-125 A |
| 63.5/110 - 75/130 | 50/60 | - | - | - | - | 4 | 4 |
| 110 - 130 | 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

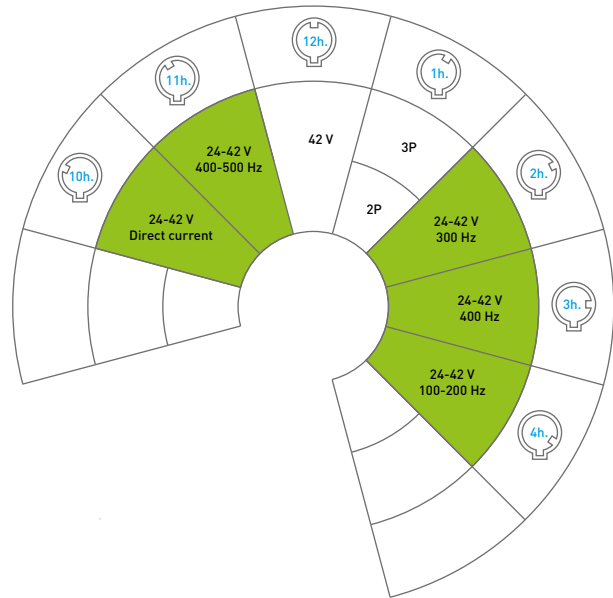
Low Voltage Elements

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 mm²/(Ohm mm²).
- High corrosion resistance in industrial areas.

Supply

- Supplied in a single box per packaging multiple.

VERSIONS FOR IP54 SCHUKO-TYPE SOCKETS



WITH SCREWS



SCREWLESS



WITH SIDE
EARTH



FRENCH-TYPE



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 | 6 | 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.

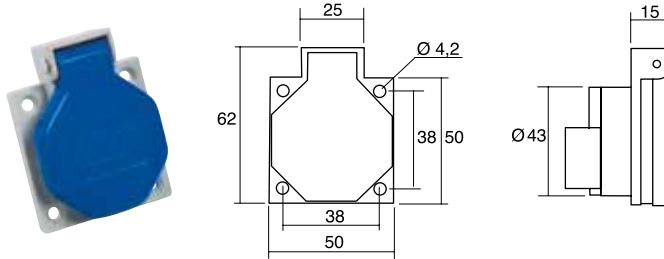
See dimensions on pages: 380-381.

SCHUKO-TYPE

50/60 Hz industrial plugs and sockets dimensions

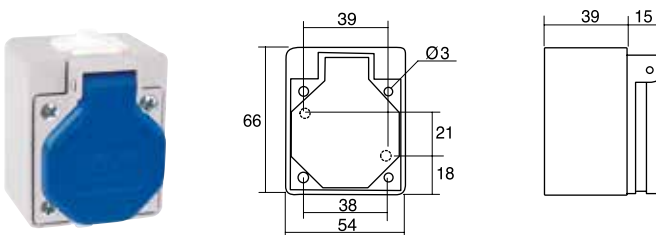
DIMENSIONS

IP44 Schuko-type flush-fit socket



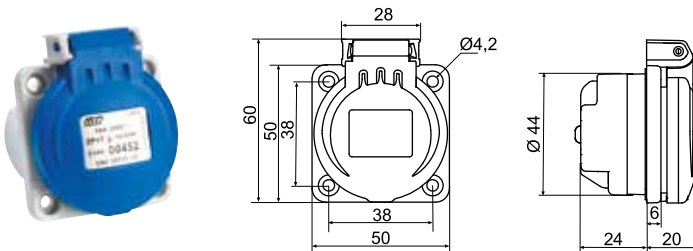
| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|-------|
| | | HEIGHT | WIDTH | DEPTH |
| 16A | 2P+E | 62 | 50 | 40 |

IP44 Schuko-type wall socket



| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|-------|
| | | HEIGHT | WIDTH | DEPTH |
| 16A | 2P+E | 66 | 54 | 54 |

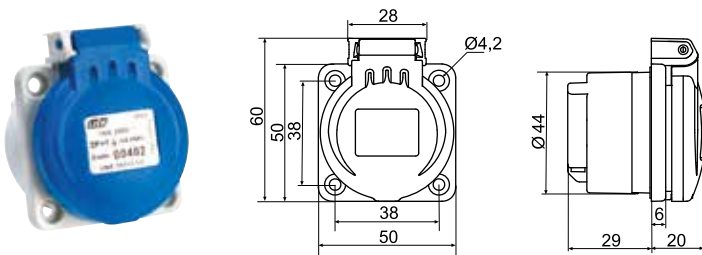
IP54 Schuko-type flush-fit sockets with shutter and screw terminal



| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|-------|
| | | HEIGHT | WIDTH | DEPTH |
| 16A | 2P+E | 60 | 50 | 44 |

Flush-fit gap: $\varnothing 4^{+0}_{-0.5}$

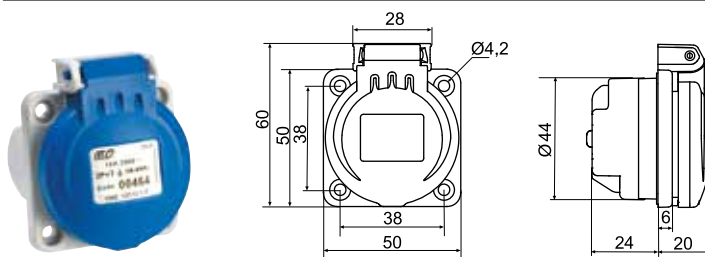
IP54 Schuko-type flush-fit sockets with shutter and screwless terminal



| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|-------|
| | | HEIGHT | WIDTH | DEPTH |
| 16A | 2P+E | 60 | 50 | 49 |

Flush-fit gap: $\varnothing 4^{+0}_{-0.5}$

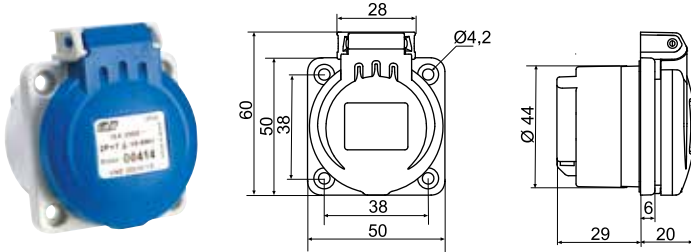
IP54 Schuko-type French-type sockets with shutter and screw terminal



| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|-------|
| | | HEIGHT | WIDTH | DEPTH |
| 16A | 2P+E | 60 | 50 | 44 |

Flush-fit gap: $\varnothing 4^{+0}_{-0.5}$

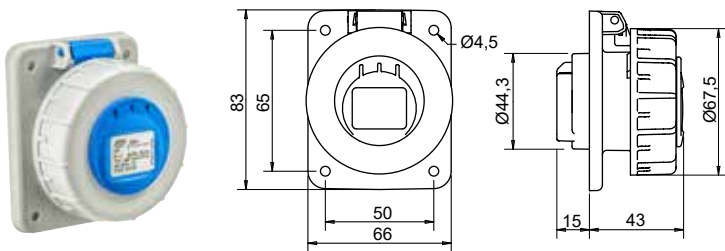
IP54 Schuko-type French-type sockets with shutter and screwless terminal



| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|-------|
| | | HEIGHT | WIDTH | DEPTH |
| 16A | 2P+E | 60 | 50 | 49 |

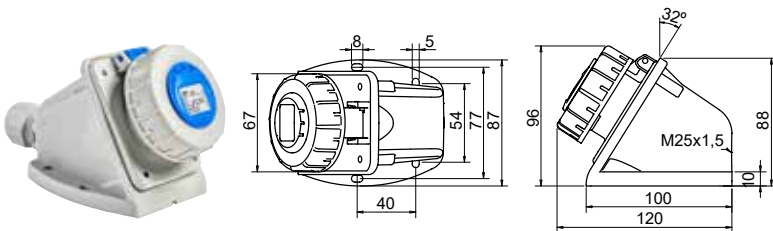
Flush-fit gap: $\varnothing 4^{+0}_{-0.5}$

IP66-IP67 Schuko-type flush-fit sockets



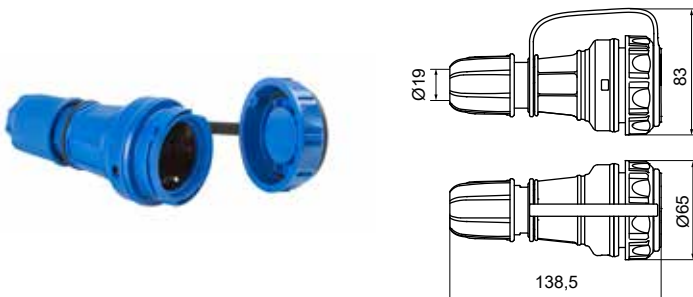
| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|-------|
| | | HEIGHT | WIDTH | DEPTH |
| 16A | 2P+E | 83 | 66 | 58 |

IP67 Schuko-type wall sockets



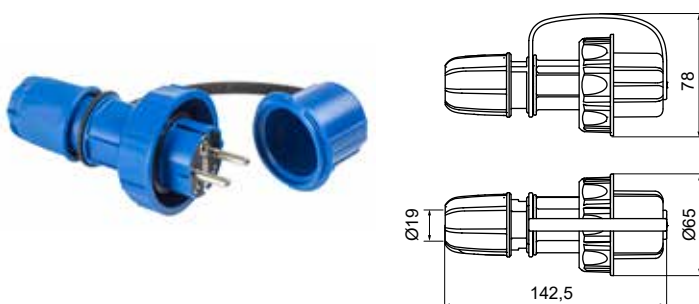
| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|-------|
| | | HEIGHT | WIDTH | DEPTH |
| 16A | 2P+E | 96 | 87 | 120 |

IP66-IP68 Schuko-type wander socket



| Current | Poles | Dimensions | |
|---------|-------|------------|----|
| | | LENGTH | Ø |
| 16A | 2P+E | 139 | 65 |

IP66-IP68 Schuko-type wander plug

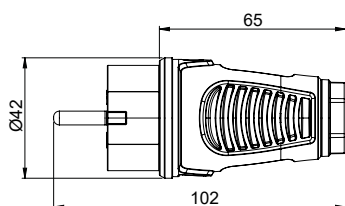


| Current | Poles | Dimensions | |
|---------|-------|------------|----|
| | | LENGTH | Ø |
| 16A | 2P+E | 143 | 65 |

SCHUKO-TYPE

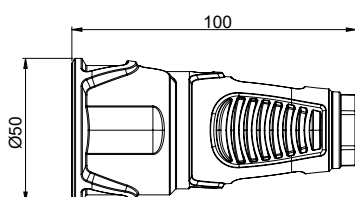
50/60 Hz industrial plugs and sockets dimensions

IP54 rubber wander plug



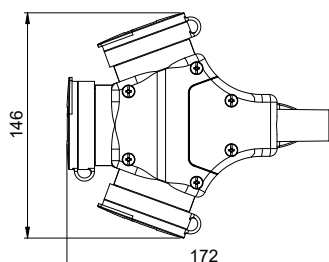
| Current | Poles | Dimensions | |
|---------|-------|------------|----|
| | | LENGTH | Ø |
| 16A | 2P+E | 102 | 42 |

IP20 rubber wander socket



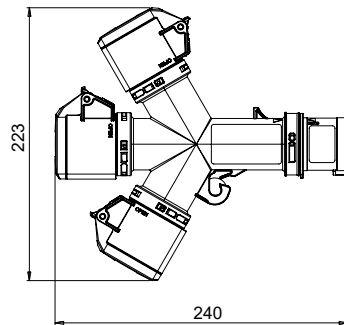
| Current | Poles | Dimensions | |
|---------|-------|------------|----|
| | | LENGTH | Ø |
| 16A | 2P+E | 100 | 50 |

IP44 multiple rubber socket



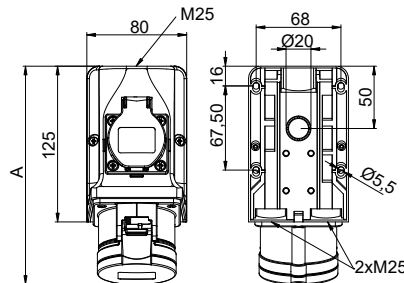
| Current | Poles | Dimensions | |
|---------|-------|------------|--------|
| | | LENGTH | HEIGHT |
| 16A | 2P+E | 172 | 146 |

IP44 multiple socket



| Current | Poles | Dimensions | |
|---------|-------|------------|--------|
| | | LENGTH | HEIGHT |
| 16A | 2P+E | 240 | 223 |

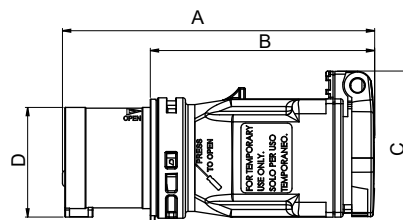
IP44 combo socket



B= Height:
15°= Slope

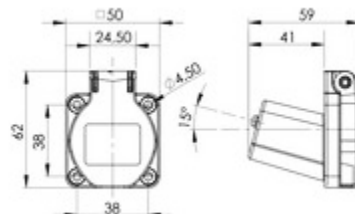
| Current | Poles | Dimensions | | |
|---------|--------|------------|-----|------|
| | | A | B | M |
| 16A | 2P+E | 175 | 127 | 3x25 |
| | 3P+E | 176 | 130 | 3x25 |
| | 3P+N+E | 176 | 133 | 3x25 |
| 32A | 2P+E | 188 | 136 | 3x25 |
| | 3P+E | 188 | 136 | 3x25 |
| | 3P+N+E | 188 | 141 | 3x25 |

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 mm²).
- High corrosion resistance in industrial areas.
- Possibility of requesting nickel-plated contacts to increase resistance in marine, steamy environments, etc. (Add /NC to the reference).

Supply

Supplied in an individual box per packaging multiple.

IP
44IP
67

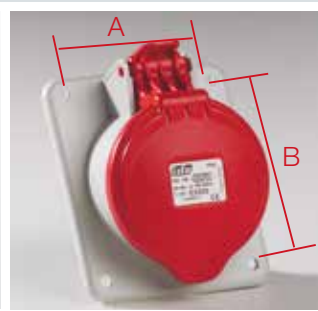
CE



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. |
| 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 |
| | 3P+E | 380/415 | 9 | 03311 | 03301 | 03321 | 03201 |
| | | >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 |
| | 3P+E | 380/415 | 9 | 03314 | 03304 | 03324 | 03204 |
| | | >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.

IP
66IP
67

CE

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 | 01611 | 01621 | 01621 | | |
| | | 200/250 | 6 | | 02601 | 02611 | 02621 | 02611 | 02621 | 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 | 03612 | 03622 | 03622 | | |
| | | 480/500 | 7 | | 05602 | 05612 | 05622 | 05612 | 05622 | 05622 | | |
| | | 200/250 | 9 | | 02602 | 02612 | 02622 | 02612 | 02622 | 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 | 03613 | 03623 | 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 | 01614 | 01624 | 01624 | | |
| | | 200/250 | 6 | | 02604 | 02614 | 02624 | 02614 | 02624 | 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 | 03615 | 03625 | 03625 | | |
| | | 480/500 | 7 | | 05605 | 05615 | 05625 | 05615 | 05625 | 05625 | | |
| | 3P+N+E | 200/250 | 9 | | 02605 | 02615 | 02625 | 02615 | 02625 | 02625 | | |
| | | >50(100-300Hz) | 10 | | 07685 | - | - | - | - | - | | |
| | | >50(301-500Hz) | 2 | | 07606 | - | - | - | - | - | | |
| | | 57/100 75/130 | 4 | | 01606 | - | - | - | - | - | | |
| | | 200/346 240/415 | 6 | | 03606 | 03616 | 03626 | 03616 | 03626 | 03626 | | |
| | | 277/480 288/500 | 7 | | 05606 | - | - | - | - | | | |
| | | 120/208 144/250 | 9 | | 02606 | - | - | - | - | | | |
| 63A | 2P+E | 100/130 | 4 | | 01651 | 01661 | 01671 | 01661 | 01671 | 01671 | | |
| | | 200/250 | 6 | | 02651 | 02661 | 02671 | 02661 | 02671 | 02671 | | |
| | 3P+E | 380/415 | 6 | | 03652 | 03662 | 03672 | 03662 | 03672 | 03672 | | |
| | | 480/500 | 7 | | 05652 | 05662 | 05672 | 05662 | 05672 | 05672 | | |
| | | 200/250 | 9 | | 02652 | 02662 | 02672 | 02662 | 02672 | 02672 | | |
| 3P+N+E | 200/346 240/415 | 6 | | 03653 | 03663 | 03673 | 03663 | 03673 | 03673 | | | |
| 125A | 2P+E | 100/130 | 4 | | 01654 | 01664 | 01674 | 01664 | 01674 | 01674 | | |
| | | 200/250 | 6 | | 02654 | 02664 | 02674 | 02664 | 02674 | 02674 | | |
| | 3P+E | 380/415 | 6 | | 03655 | 03665 | 03675 | 03665 | 03675 | 03675 | | |
| | | 480/500 | 7 | | 05655 | 05665 | 05675 | 05665 | 05675 | 05675 | | |
| | | 200/250 | 9 | | 02655 | 02665 | 02675 | 02665 | 02675 | 02675 | | |
| 3P+N+E | 200/346 240/415 | 6 | | 03656 | 03666 | 03676 | 03666 | 03676 | 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.

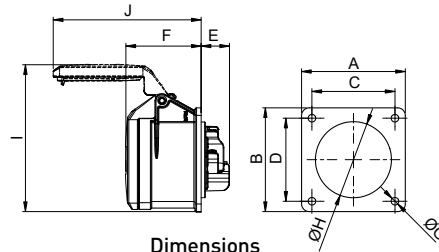
See dimensions on
pages: 391-393.

LOW VOLTAGE

50/60 Hz industrial plugs and sockets dimensions

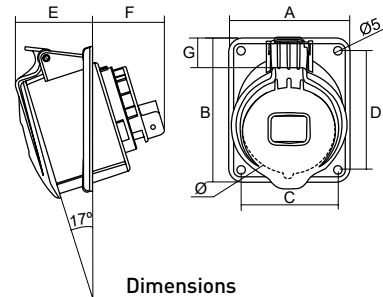
DIMENSIONS

IP44 straight flush-fit sockets



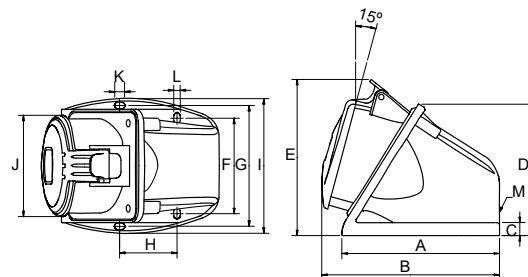
| Current | Poles | Dimensions | | | | | | | |
|---------|--------|------------|-------|----|----|-----|----|-----|-----|
| | | (AxB) | (CxD) | E | F | G | H | I | J |
| 16A | 2P+E | 70x70 | 56x56 | 21 | 55 | 5,5 | 43 | 87 | 101 |
| | 3P+E | 70x70 | 56x56 | 21 | 55 | 5,5 | 45 | 101 | 101 |
| | 3P+N+E | 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



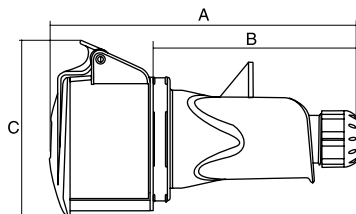
| Current | Poles | Dimensions | | | | | | | |
|---------|--------|------------|----|----|----|----|----|----|----|
| | | A | B | C | D | E | F | Ø | G |
| 16A | 2P+E | 66 | 83 | 50 | 65 | 43 | 43 | 53 | 17 |
| | 3P+E | 66 | 83 | 50 | 65 | 43 | 43 | 60 | 14 |
| | 3P+N+E | 80 | 96 | 64 | 79 | 43 | 47 | 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



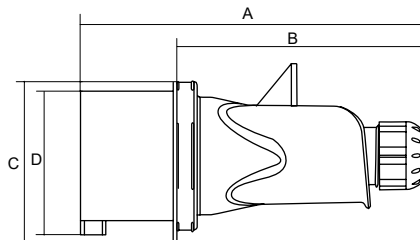
| Current | Poles | Dimensions | | | | | | | | | | | | |
|---------|--------|------------|-----|----|----|-----|------|------|----|-----|------|---|---|---------|
| | | A | B | C | D | E | F | G | H | I | J | K | L | M |
| 16A | 2P+E | 100 | 109 | 10 | 88 | 98 | 53.6 | 76.6 | 40 | 87 | 55.5 | 8 | 5 | 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



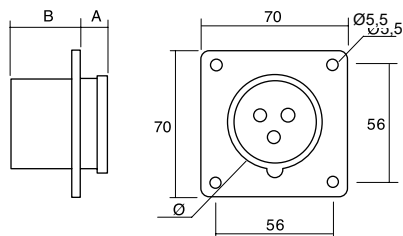
| Current | Poles | Dimensions | | |
|---------|--------|------------|-----|-----|
| | | A | B | C |
| 16A | 2P+E | 151 | 96 | 82 |
| | 3P+E | 156 | 106 | 86 |
| | 3P+N+E | 161 | 111 | 98 |
| 32A | 2P+E | 171 | 111 | 98 |
| | 3P+E | 171 | 111 | 98 |
| | 3P+N+E | 178 | 118 | 102 |

IP44 wander plugs



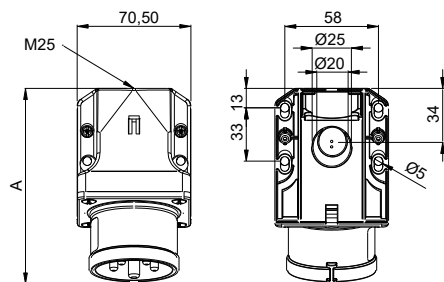
| Current | Poles | Dimensions | | | |
|---------|--------|------------|-----|----|----|
| | | A | B | C | D |
| 16A | 2P+E | 134 | 96 | 55 | 54 |
| | 3P+E | 144 | 106 | 61 | 58 |
| | 3P+N+E | 149 | 111 | 69 | 66 |
| 32A | 2P+E | 156 | 111 | 72 | 66 |
| | 3P+E | 156 | 111 | 72 | 66 |
| | 3P+N+E | 163 | 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



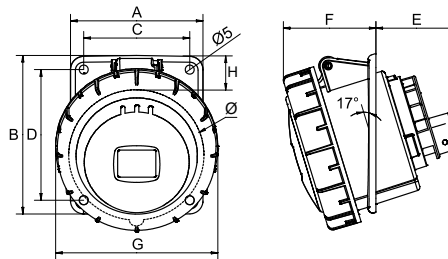
B= Height. 15°= Slope

| 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



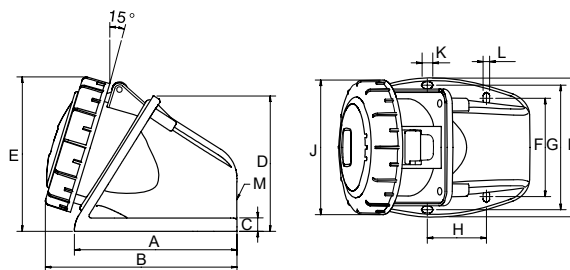
Current

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

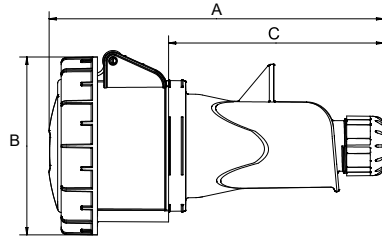
Poles

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 |

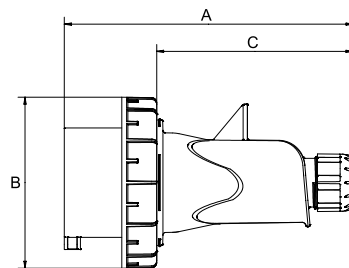
Photo and drawing representative for 16/32A.

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

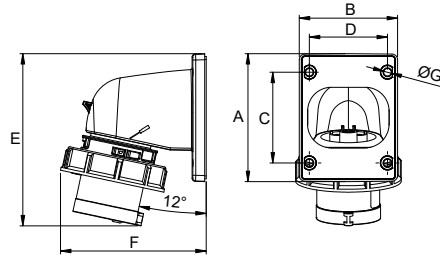


| Current | Poles | Dimensions | | |
|---------|--------|------------|-----|-----|
| | | A | B | C |
| 16A | 2P+E | 134 | 69 | 96 |
| | 3P+E | 144 | 77 | 106 |
| | 3P+N+E | 149 | 89 | 111 |
| 32A | 2P+E | 156 | 89 | 111 |
| | 3P+E | 156 | 89 | 111 |
| | 3P+N+E | 163 | 98 | 118 |
| 63A | 2P+E | 257 | 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

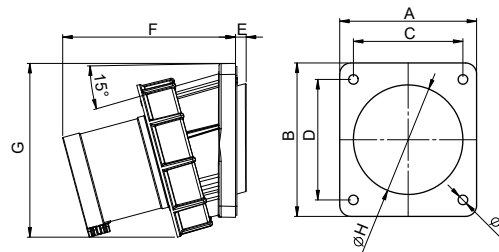
50/60 Hz industrial plugs and sockets dimensions

IP67 angled flush-fit plugs



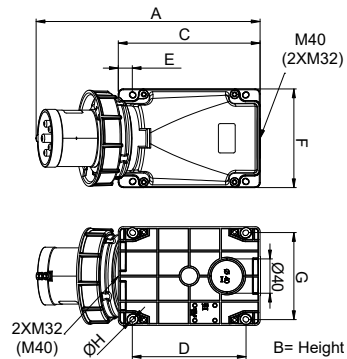
| Current | Poles | Dimensions | | | | | | |
|---------|--------|------------|----|----|----|-----|-----|---|
| | | A | B | C | D | E | F | G |
| 16A | 2P+E | 86 | 66 | 61 | 53 | 116 | 99 | 5 |
| | 3P+E | 86 | 66 | 61 | 53 | 117 | 103 | 5 |
| | 3P+N+E | 100 | 90 | 85 | 77 | 153 | 107 | 5 |
| 32A | 2P+E | 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 mm²/(Ohm mm²).
- High corrosion resistance in industrial areas.
- Possibility of requesting nickel-plated contacts to increase resistance in marine, steamy environments, etc. (Add /NC to the reference).

Supply

- Supplied in an individual box per packaging multiple.

Technical characteristics

- Available in flush-fit and surface version.
- Sockets with mechanical interlocking with a compact design that saves storage space.
- All the components are assembled on the top part.
- Mechanical interlocking: when the plug is inserted it is blocked, and when the plug is removed, the socket is blocked.
- The interlocking socket with DIN rail has room for five modules.

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 |

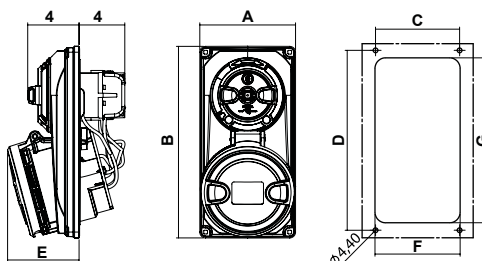
Available with nickel-plated contacts for marine environments. Ask us about price and delivery terms.
See dimensions on pages: 396-397.

INTERLOCKING

50/60 Hz industrial sockets dimensions

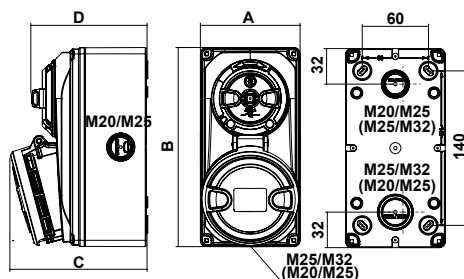
DIMENSIONS

IP44-IP54 flush-fit interlocking sockets



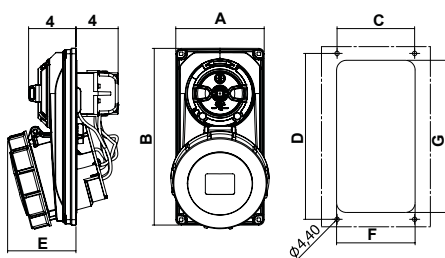
| Current | Poles | Dimensions | | | | | | |
|---------|--------|------------|-----|----|-----|----|----|-----|
| | | A | B | C | D | E | F | G |
| 16A | 2P+E | 90 | 180 | 79 | 169 | 58 | 80 | 155 |
| | 3P+E | 90 | 180 | 79 | 169 | 60 | 80 | 155 |
| | 3P+N+E | 90 | 180 | 79 | 169 | 61 | 80 | 155 |
| 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



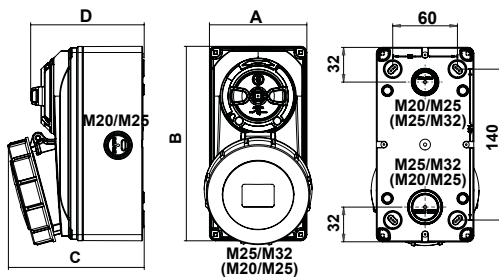
| Current | Poles | Dimensions | | | |
|---------|--------|------------|-----|-----|-----|
| | | A | B | C | D |
| 16A | 2P+E | 90 | 180 | 115 | 105 |
| | 3P+E | 90 | 180 | 117 | 105 |
| | 3P+N+E | 90 | 180 | 118 | 105 |
| 32A | 2P+E | 90 | 180 | 123 | 105 |
| | 3P+E | 90 | 180 | 123 | 105 |
| | 3P+N+E | 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



| 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.

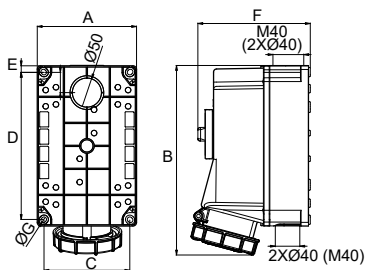
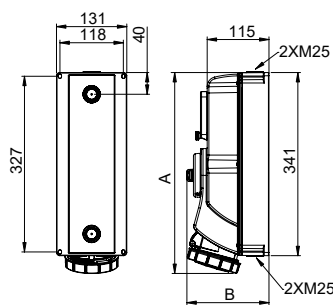


Photo and drawing representative for 63 A sockets.

IP66-IP67 wall interlocking sockets with DIN rail



| Current | Poles | Dimensions | | |
|---------|--------|------------|-----|------|
| | | A | B | M |
| 16A | 2P+E | 361 | 153 | 3x25 |
| | 3P+E | 361 | 153 | 3x25 |
| | 3P+N+E | 363 | 153 | 3x25 |
| 32A | 2P+E | 371 | 153 | 3x25 |
| | 3P+E | 371 | 153 | 3x25 |
| | 3P+N+E | 372 | 153 | 3x25 |
| 63A | 2P+E | 496 | 195 | - |
| | 3P+E | 496 | 195 | - |
| | 3P+N+E | 496 | 195 | - |

Photo and drawing representative for 16 A - 32 A sockets.

EXTRA LOW VOLTAGE

50/60 Hz industrial plugs and sockets

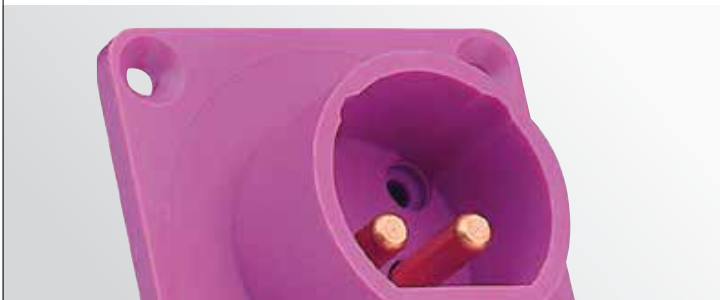


EXTRA LOW VOLTAGE

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 mm²/(Ohm mm²).
- High corrosion resistance in industrial areas.

Supply

- Supplied in an individual box per packaging multiple.

Technical characteristics

- They feature an ergonomic design that makes it extremely easy for the installer to hold and handle them.
- Clipping system opening and closing, with a tool required to access live parts, in compliance with regulations.
- Easy access to cable connection and quick installation.
- Protection from jolts thanks to strong cable sealing.
- Cable diameters from 8 to 24 mm can be used.

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 |

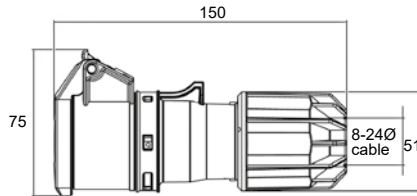
See dimensions on pages: 400-401.

EXTRA LOW VOLTAGE

50/60 Hz industrial plugs and sockets dimensions

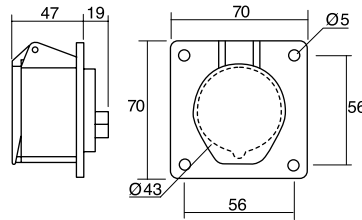
DIMENSIONS

IP44 wander sockets



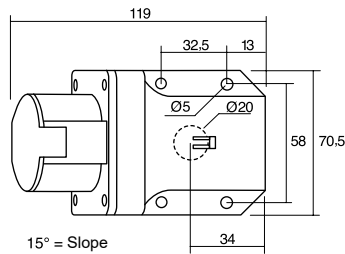
| Current | Poles | Dimensions | |
|---------|-------|------------|--------|
| | | HEIGHT | LENGTH |
| 16A | 2P | 75 | 150 |
| | 3P | 75 | 150 |
| 32A | 2P | 75 | 150 |
| | 3P | 75 | 150 |

IP44 straight flush-fit sockets



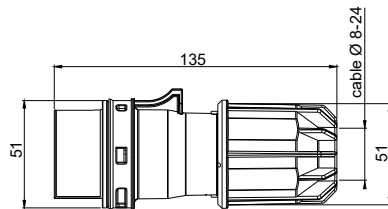
| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|-------|
| | | HEIGHT | WIDTH | DEPTH |
| 16A | 2P | 70 | 70 | 66 |
| | 3P | 70 | 70 | 66 |
| 32A | 2P | 70 | 70 | 66 |
| | 3P | 70 | 70 | 66 |

IP44 wall sockets



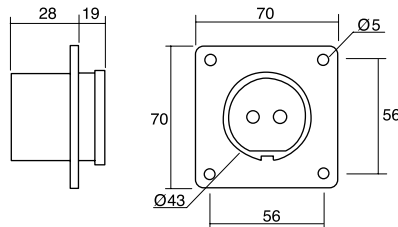
| Current | Poles | Dimensions | | |
|---------|-------|------------|-------|--------|
| | | HEIGHT | WIDTH | LENGTH |
| 16A | 2P | 85 | 70.5 | 119 |
| | 3P | 85 | 70.5 | 119 |
| 32A | 2P | 85 | 70.5 | 119 |
| | 3P | 85 | 70.5 | 119 |

IP44 wander plugs



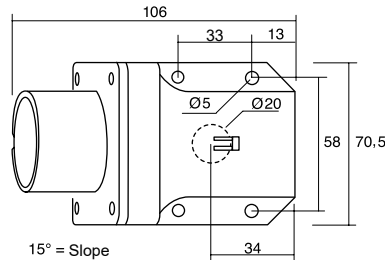
| Current | Poles | Dimensions | |
|---------|-------|------------|--------|
| | | HEIGHT | LENGTH |
| 16A | 2P | 51 | 135 |
| | 3P | 51 | 135 |
| 32A | 2P | 51 | 135 |
| | 3P | 51 | 135 |

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 |
| EV171 - 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 |
|--------------|--------------------------|-----|
| 07321 | IP44 2P+E 300HZ 16A 2H | 10 |
| 01321 | IP44 2P+E 110V 16A 4H | 10 |
| 02321 | IP44 2P+E 220V 16A 6H | 10 |
| 05321 | IP44 2P+E 480V 16A 7H | 10 |
| 03321 | IP44 2P+E 380V 16A 9H | 10 |
| 07322 | IP44 3P+E 300HZ 16A 2H | 10 |
| 01322 | IP44 3P+E 110V 16A 4H | 10 |
| 03322 | IP44 3P+E 380V 16A 6H | 10 |
| 05322 | IP44 3P+E 500V 16A 7H | 10 |
| 02322 | IP44 3P+E 220V 16A 9H | 10 |
| 07352 | IP44 3P+E 100HZ 16A 10H | 10 |
| 07323 | IP44 3P+N+E 300HZ 16A 2H | 10 |
| 01323 | IP44 3P+N+E 110V 16A 4H | 10 |
| 03323 | IP44 3P+N+E 380V 16A 6H | 10 |
| 05323 | IP44 3P+N+E 500V 16A 7H | 10 |
| 02323 | IP44 3P+N+E 220V 16A 9H | 10 |
| 07324 | IP44 2P+E 300HZ 32A 2H | 10 |
| 01324 | IP44 2P+E 110V 32A 4H | 10 |
| 02324 | IP44 2P+E 220V 32A 6H | 10 |
| 05324 | IP44 2P+E 480V 32A 7H | 10 |
| 03324 | IP44 2P+E 380V 32A 9H | 10 |
| 07325 | IP44 3P+E 300HZ 32A 2H | 10 |
| 01325 | IP44 3P+E 110V 32A 4H | 10 |
| 03325 | IP44 3P+E 380V 32A 6H | 10 |
| 05325 | IP44 3P+E 500V 32A 7H | 10 |
| 02325 | IP44 3P+E 220V 32A 9H | 10 |
| 07395 | IP44 3P+E 100HZ 32A 10H | 10 |
| 07326 | IP44 3P+N+E 300HZ 32A 2H | 10 |
| 01326 | IP44 3P+N+E 110V 32A 4H | 10 |
| 03326 | IP44 3P+N+E 380V 32A 6H | 10 |
| 05326 | IP44 3P+N+E 500V 32A 7H | 10 |
| 02326 | IP44 3P+N+E 220V 32A 9H | 10 |

IP44 Wander sockets



| Ref. | Description | MOQ |
|--------------|--------------------------|-----|
| 07201 | IP44 2P+E 300HZ 16A 2H | 12 |
| 01201 | IP44 2P+E 110V 16A 4H | 12 |
| 02201 | IP44 2P+E 220V 16A 6H | 12 |
| 05201 | IP44 2P+E 500V 16A 7H | 12 |
| 03201 | IP44 2P+E 380V 16A 9H | 12 |
| 07202 | IP44 3P+E 300HZ 16A 2H | 10 |
| 01202 | IP44 3P+E 110V 16A 4H | 10 |
| 03202 | IP44 3P+E 380V 16A 6H | 10 |
| 05202 | IP44 3P+E 500V 16A 7H | 10 |
| 02202 | IP44 3P+E 220V 16A 9H | 10 |
| 07282 | IP44 3P+E 100HZ 16A 10H | 10 |
| 07203 | IP44 3P+N+E 300HZ 16A 2H | 10 |
| 01203 | IP44 3P+N+E 110V 16A 4H | 10 |
| 03203 | IP44 3P+N+E 380V 16A 6H | 10 |
| 05203 | IP44 3P+N+E 500V 16A 7H | 10 |
| 02203 | IP44 3P+N+E 220V 16A 9H | 10 |
| 07204 | IP44 2P+E 300HZ 32A 2H | 8 |
| 01204 | IP44 2P+E 110V 32A 4H | 8 |
| 02204 | IP44 2P+E 220V 32A 6H | 8 |
| 05204 | IP44 2P+E 500V 32A 7H | 8 |
| 03204 | IP44 2P+E 380V 32A 9H | 8 |
| 07205 | IP44 3P+E 300HZ 32A 2H | 8 |
| 01205 | IP44 3P+E 110V 32A 4H | 8 |
| 03205 | IP44 3P+E 380V 32A 6H | 8 |
| 05205 | IP44 3P+E 500V 32A 7H | 8 |
| 02205 | IP44 3P+E 220V 32A 9H | 8 |
| 07285 | IP44 3P+E 100HZ 32A 10H | 8 |
| 07206 | IP44 3P+N+E 300HZ 32A 2H | 8 |
| 01206 | IP44 3P+N+E 110V 32A 4H | 8 |
| 03206 | IP44 3P+N+E 380V 32A 6H | 8 |
| 05206 | IP44 3P+N+E 500V 32A 7H | 8 |
| 02206 | 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 |
|---------------|--|-----|
| 07701 | IP67 2P+E 300HZ 16A 2H | 6 |
| 01701 | IP67 2P+E 110V 16A 4H | 6 |
| 02701 | IP67 2P+E 220V 16A 6H | 6 |
| 05701 | IP67 2P+E 480V 16A 7H | 6 |
| 03701 | IP67 2P+E 380V 16A 9H | 6 |
| 07702 | IP67 3P+E 300HZ 16A 2H | 6 |
| 01702 | IP67 3P+E 100V 16A 4H | 6 |
| 03702 | IP67 3P+E 380V 16A 6H | 6 |
| 05702 | IP67 3P+E 500V 16A 7H | 6 |
| 02702 | IP67 3P+E 220V 16A 9H | 6 |
| 07782 | IP67 3P+E 100HZ 16A 10H | 6 |
| 07703 | IP67 3P+N+E 300HZ 16A 2H | 6 |
| 01703 | IP67 3P+N+E 57V 16A 4H | 6 |
| 03703 | IP67 3P+N+E 380V 16A 6H | 6 |
| 05703 | IP67 3P+N+E 277V 16A 7H | 6 |
| 02703 | IP67 3P+N+E 16A 9H | 6 |
| 07704 | IP67 2P+E 300HZ 32A 2H | 5 |
| 01704 | IP67 2P+E 110V 32A 4H | 5 |
| 02704 | IP67 2P+E 220V 32A 6H | 5 |
| 05704 | IP67 2P+E 32A 7H. | 5 |
| 03704 | IP67 2P+E 380V 32A 9H | 5 |
| 07705 | IP67 3P+E 300HZ 32A 2H | 5 |
| 07715 | IP67 3P+E 440V 3H | 5 |
| 01705 | IP67 3P+E 100V 32A 4H | 5 |
| 03705 | IP67 3P+E 380V 32A 6H | 5 |
| 05705 | IP67 3P+E 500V 32A 7H | 5 |
| 02705 | IP67 3P+E 220V 32A 9H | 5 |
| 07785 | IP67 3P+E 100HZ 32A 10H | 5 |
| 07706 | IP67 3P+N+E 300HZ 32A 2H | 5 |
| 01706 | IP67 3P+N+E 57V 32A 4H | 5 |
| 03706 | IP67 3P+N+E 380V 32A 6H | 5 |
| 05706 | IP67 3P+N+E 277V 32A 7H | 5 |
| 02706 | IP67 3P+N+E 120V 32A 9H | 5 |
| 01751 | IP67 2P+E 110V 63A 4H | 2 |
| 02751 | IP67 2P+E 220V 63A 6H | 2 |
| 02751P | IP67 2P+E 220V 63A 6H Pilot Contact | 2 |
| 03752 | IP67 3P+E 380V 63A 6H | 2 |
| 03752P | IP67 3P+E 380V 63A 6H Pilot Contact | 2 |
| 05752 | IP67 3P+E 500V 63A 7H | 2 |
| 02752 | IP67 3P+E 220V 63A 9H | 2 |
| 03753 | IP67 3P+N+E 380V 63A 6H | 2 |
| 03753P | IP67 3P+N+E 380V 63A 6H Pilot Contact | 1 |
| 01754 | IP67 2P+E 110V 125A 4H | 2 |
| 02754 | IP67 2P+E 220V 125A 6H | 2 |
| 02754P | IP67 2P+E 220V 125A 6H Pilot Contact | 2 |
| 03755 | IP67 3P+E 380V 125A 6H | 2 |
| 03755P | IP67 3P+E 380V 125A 6H Pilot Contact | 2 |
| 05755 | IP67 3P+E 500V 125A 7H | 2 |
| 02755 | IP67 3P+E 220V 125A 9H | 1 |
| 03756 | IP67 3P+N+E 380V 125A 6H | 2 |
| 03756P | IP67 3P+N+E 380V 125A 6H Pilot Contact | 1 |

IP67 Flush-fit plugs



| Ref. | Description | MOQ |
|--------------|----------------------------------|-----|
| 01611 | IP67 Angled 2P+E 110V 16A 4H | 10 |
| 02611 | IP67 Angled 2P+E 220V 16A 6H | 10 |
| 03612 | IP67 Angled 3P+E 380V 16A 6H | 10 |
| 05612 | IP67 Angled 3P+E 500V 16A 7H | 10 |
| 02612 | IP67 Angled 3P+E 220V 16A 9H | 10 |
| 03613 | IP67 Angled 3P+N+E 380V 16A 6H | 10 |
| 01614 | IP67 Angled 2P+E 110V 32A 4H | 10 |
| 02614 | IP67 Angled 2P+E 220V 32A 6H | 10 |
| 03615 | IP67 Angled 3P+E 380V 32A 6H | 10 |
| 05615 | IP67 Angled 3P+E 500V 32A 7H | 5 |
| 02615 | IP67 Angled 3P+E 220V 32A 9H | 10 |
| 03616 | IP67 Angled 3P+N+E 380V 32A 6H | 5 |
| 01661 | IP67 Sloping 2P+E 110V 63A 4H | 2 |
| 02661 | IP67 Sloping 2P+E 220V 63A 6H | 2 |
| 03662 | IP67 Sloping 3P+E 380V 63A 6H | 2 |
| 05662 | IP67 Sloping 3P+E 500V 63A 7H | 2 |
| 02662 | IP67 Sloping 3P+E 220V 63A 9H | 2 |
| 03663 | IP67 Sloping 3P+N+E 380V 63A 6H | 2 |
| 01664 | IP67 Sloping 2P+E 110V 125A 4H | 2 |
| 02664 | IP67 Sloping 2P+E 220V 125A 6H | 2 |
| 03665 | IP67 Sloping 3P+E 380V 125A 6H | 2 |
| 05665 | IP67 Sloping 3P+E 500V 125A 7H | 2 |
| 02665 | IP67 Sloping 3P+E 220V 125A 9H | 2 |
| 03666 | IP67 Sloping 3P+N+E 380V 125A 6H | 2 |

IP67 Wall plugs



| Ref. | Description | MOQ |
|--------------|--------------------------|-----|
| 01621 | IP67 2P+E 110V 16A 4H | 10 |
| 02621 | IP67 2P+E 220V 16A 6H | 10 |
| 03622 | IP67 3P+E 380V 16A 6H | 1 |
| 05622 | IP67 3P+E 500V 16A 7H | 5 |
| 02622 | IP67 3P+E 220V 16A 9H | 5 |
| 03623 | IP67 3P+N+E 380V 16A 6H | 5 |
| 01624 | IP67 2P+E 110V 32A 4H | 5 |
| 02624 | IP67 2P+E 220V 32A 6H | 1 |
| 03625 | IP67 3P+E 380V 32A 6H | 5 |
| 05625 | IP67 3P+E 500V 32A 7H | 5 |
| 02625 | IP67 3P+E 220V 32A 9H | 5 |
| 03626 | IP67 3P+N+E 380V 32A 6H | 10 |
| 01671 | IP67 2P+E 110V 63A 4H | 2 |
| 02671 | IP67 2P+E 220V 63A 6H | 1 |
| 03672 | IP67 3P+E 380V 63A 6H | 1 |
| 05672 | IP67 3P+E 500V 63A 7H | 2 |
| 02672 | IP67 3P+E 220V 63A 9H | 1 |
| 03673 | IP67 3P+N+E 380V 63A 6H | 2 |
| 01674 | IP67 2P+E 110V 125A 4H | 2 |
| 02674 | IP67 2P+E 220V 125A 6H | 2 |
| 03675 | IP67 3P+E 380V 125A 6H | 1 |
| 05675 | IP67 3P+E 500V 125A 7H | 2 |
| 02675 | IP67 3P+E 220V 125A 9H | 2 |
| 03676 | 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 |
|--------------|------------------------|-----|
| 08201 | IP44 2P 24V 16A NR | 10 |
| 09201 | IP44 2P 42V 16A 12H | 10 |
| 08449 | IP44 2P 24/42V 16A 4H | 10 |
| 08451 | IP44 2P 24/42V 16A 2H | 10 |
| 08453 | IP44 2P 24/42V 16A 3H | 10 |
| 08455 | IP44 2P 24/42V 16A 11H | 10 |
| 06201 | IP44 2P 24/42V 16A 10H | 10 |
| 08202 | IP44 3P 24V 16A NR | 10 |
| 09202 | IP44 3P 42V 16A 12H | 10 |
| 08450 | IP44 3P 24/42V 16A 4H | 10 |
| 08452 | IP44 3P 24/42V 16A 2H | 10 |
| 08454 | IP44 3P 24/42V 16A 3H | 10 |
| 08456 | IP44 3P 24/42V 16A 11H | 10 |
| 06202 | IP44 3P 24/42V 16A 10H | 10 |
| 08204 | IP44 2P 24V 32A NR | 10 |
| 09204 | IP44 2P 42V 32A 12H | 10 |
| 08457 | IP44 2P 24/42V 32A 4H | 10 |
| 08459 | IP44 2P 24/42V 32A 2H | 10 |
| 08461 | IP44 2P 24/42V 32A 3H | 10 |
| 08463 | IP44 2P 24/42V 32A 11H | 10 |
| 06204 | IP44 2P 24/42V 32A 10H | 10 |
| 08205 | IP44 3P 24V 32A NR | 10 |
| 09205 | IP44 3P 42V 32A 12H | 10 |
| 08458 | IP44 3P 24/42V 32A 4H | 10 |
| 08460 | IP44 3P 24/42V 32A 2H | 10 |
| 08462 | IP44 3P 24/42V 32A 3H | 10 |
| 08464 | IP44 3P 24/42V 32A 11H | 10 |
| 06205 | IP44 3P 24/42V 32A 10H | 10 |

IP44 Straight flush-fit sockets



| Ref. | Description | MOQ |
|--------------|------------------------|-----|
| 08311 | IP44 2P 24V 16A NR | 10 |
| 09311 | IP44 2P 42V 16A 12H | 10 |
| 08465 | IP44 2P 24/42V 16A 4H | 10 |
| 08467 | IP44 2P 24/42V 16A 2H | 10 |
| 08469 | IP44 2P 24/42V 16A 3H | 10 |
| 08471 | IP44 2P 24/42V 16A 11H | 10 |
| 06311 | IP44 2P 24/42V 16A 10H | 10 |
| 08312 | IP44 3P 24V 16A NR | 10 |
| 09312 | IP44 3P 42V 16A 12H | 10 |
| 08466 | IP44 3P 24/42V 16A 4H | 10 |
| 08468 | IP44 3P 24/42V 16A 2H | 10 |
| 08470 | IP44 3P 24/42V 16A 3H | 10 |
| 08472 | IP44 3P 24/42V 16A 11H | 10 |
| 06312 | IP44 3P 24/42V 16A 10H | 10 |
| 08314 | IP44 2P 24V 32A NR | 10 |
| 09314 | IP44 2P 42V 32A 12H | 10 |
| 08473 | IP44 2P 24/42V 32A 4H | 10 |
| 08475 | IP44 2P 24/42V 32A 2H | 10 |
| 08477 | IP44 2P 24/42V 32A 3H | 10 |
| 08479 | IP44 2P 24/42V 32A 11H | 10 |
| 06314 | IP44 2P 24/42V 32A 10H | 10 |
| 08315 | IP44 3P 24V 32A NR | 10 |
| 09315 | IP44 3P 42V 32A 12H | 10 |
| 08474 | IP44 3P 24/42V 32A 4H | 10 |
| 08476 | IP44 3P 24/42V 32A 2H | 10 |
| 08478 | IP44 3P 24/42V 32A 3H | 10 |
| 08480 | IP44 3P 24/42V 32A 11H | 10 |
| 06315 | IP44 3P 24/42V 32A 10H | 10 |

PACKING UNITS

Industrial plugs and sockets

IP44 Wall sockets



| Ref. | Description | MOQ |
|--------------|------------------------|-----|
| 08321 | IP44 2P 24V 16A NR | 10 |
| 09321 | IP44 2P 42V 16A 12H | 10 |
| 08481 | IP44 2P 24/42V 16A 4H | 10 |
| 08483 | IP44 2P 24/42V 16A 2H | 10 |
| 08485 | IP44 2P 24/42V 16A 3H | 10 |
| 08487 | IP44 2P 24/42V 16A 11H | 10 |
| 06321 | IP44 2P 24/42V 16A 10H | 10 |
| 08322 | IP44 3P 24V 16A NR | 10 |
| 09322 | IP44 3P 42V 16A 12H | 10 |
| 08482 | IP44 3P 24/42V 16A 4H | 10 |
| 08484 | IP44 3P 24/42V 16A 2H | 10 |
| 08486 | IP44 3P 24/42V 16A 3H | 10 |
| 08488 | IP44 3P 24/42V 16A 11H | 10 |
| 06322 | IP44 3P 24/42V 16A 10H | 10 |
| 08324 | IP44 2P 24V 32A NR | 6 |
| 09324 | IP44 2P 42V 32A 12H | 6 |
| 08489 | IP44 2P 24/42V 32A 4H | 6 |
| 08491 | IP44 2P 24/42V 32A 2H | 6 |
| 08493 | IP44 2P 24/42V 32A 3H | 6 |
| 08495 | IP44 2P 24/42V 32A 11H | 6 |
| 06324 | IP44 2P 24/42V 32A 10H | 6 |
| 08325 | IP44 3P 24V 32A NR | 6 |
| 09325 | IP44 3P 42V 32A 12H | 6 |
| 08490 | IP44 3P 24/42V 32A 4H | 6 |
| 08492 | IP44 3P 24/42V 32A 2H | 6 |
| 08494 | IP44 3P 24/42V 32A 3H | 6 |
| 08496 | IP44 3P 24/42V 32A 11H | 6 |
| 06325 | IP44 3P 24/42V 32A 10H | 6 |

IP44 Wander plugs



| Ref. | Description | MOQ |
|--------------|------------------------|-----|
| 08101 | IP44 2P 24V 16A NR | 10 |
| 09101 | IP44 2P 42V 16A 12H | 10 |
| 08401 | IP44 2P 24/42V 16A 4H | 10 |
| 08403 | IP44 2P 24/42V 16A 2H | 10 |
| 08405 | IP44 2P 24/42V 16A 3H | 10 |
| 08407 | IP44 2P 24/42V 16A 11H | 10 |
| 06101 | IP44 2P 24/42V 16A 10H | 10 |
| 08102 | IP44 3P 24V 16A NR | 10 |
| 09102 | IP44 3P 42V 16A 12H | 10 |
| 08402 | IP44 3P 24/42V 16A 4H | 10 |
| 08404 | IP44 3P 24/42V 16A 2H | 10 |
| 08406 | IP44 3P 24/42V 16A 3H | 10 |
| 08408 | IP44 3P 24/42V 16A 11H | 10 |
| 06102 | IP44 3P 24/42V 16A 10H | 10 |
| 08104 | IP44 2P 24V 32A NR | 10 |
| 09104 | IP44 2P 42V 32A 12H | 10 |
| 08409 | IP44 2P 24/42V 32A 4H | 10 |
| 08411 | IP44 2P 24/42V 32A 2H | 10 |
| 08413 | IP44 2P 24/42V 32A 3H | 10 |
| 08415 | IP44 2P 24/42V 32A 11H | 10 |
| 06104 | IP44 2P 24/42V 32A 10H | 10 |
| 08105 | IP44 3P 24V 32A NR | 10 |
| 09105 | IP44 3P 42V 32A 12H | 10 |
| 08410 | IP44 3P 24/42V 32A 4H | 10 |
| 08412 | IP44 3P 24/42V 32A 2H | 10 |
| 08414 | IP44 3P 24/42V 32A 3H | 10 |
| 08416 | IP44 3P 24/42V 32A 11H | 10 |
| 06105 | 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 |

QUICK SEARCH

| Reference No. | Page |
|---------------|------|
| 00101 | 376 |
| 00102 | 376 |
| 00103 | 376 |
| 00104 | 376 |
| 00105 | 376 |
| 00114 | 376 |
| 00115 | 377 |
| 00118 | 376 |
| 00121 | 377 |
| 00123 | 377 |
| 00125 | 377 |
| 00125/F | 377 |
| 00130 | 377 |
| 00135 | 376 |
| 00140 | 377 |
| 00145 | 377 |
| 00146 | 377 |
| 00164 | 376 |
| 00211 | 377 |
| 00214 | 377 |
| 00312 | 377 |
| 00313 | 377 |
| 00315 | 377 |
| 00316 | 377 |
| 00402 | 376 |
| 00414 | 376 |
| 00452 | 376 |
| 00456 | 376 |
| 00464 | 376 |
| 01101 | 385 |
| 01102 | 385 |
| 01103 | 385 |
| 01104 | 385 |
| 01105 | 385 |
| 01106 | 385 |
| 01111 | 385 |
| 01112 | 385 |
| 01113 | 385 |
| 01114 | 385 |
| 01115 | 385 |
| 01116 | 385 |
| 01121 | 385 |
| 01122 | 385 |
| 01123 | 385 |
| 01124 | 385 |
| 01125 | 385 |
| 01126 | 385 |
| 01201 | 384 |
| 01202 | 384 |
| 01203 | 384 |
| 01204 | 384 |
| 01205 | 384 |
| 01206 | 384 |
| 01301 | 384 |
| 01302 | 384 |
| 01303 | 384 |
| 01304 | 384 |
| 01305 | 384 |
| 01306 | 384 |

| Reference No. | Page |
|---------------|------|
| 01311 | 384 |
| 01312 | 384 |
| 01313 | 384 |
| 01314 | 384 |
| 01315 | 384 |
| 01316 | 384 |
| 01321 | 384 |
| 01322 | 384 |
| 01323 | 384 |
| 01324 | 384 |
| 01325 | 384 |
| 01326 | 384 |
| 01351 | 395 |
| 01354 | 395 |
| 01361 | 395 |
| 01364 | 395 |
| 01601 | 387 |
| 01602 | 387 |
| 01603 | 387 |
| 01604 | 387 |
| 01605 | 387 |
| 01606 | 387 |
| 01611 | 387 |
| 01614 | 387 |
| 01621 | 387 |
| 01624 | 387 |
| 01651 | 387 |
| 01654 | 387 |
| 01661 | 387 |
| 01664 | 387 |
| 01671 | 387 |
| 01674 | 387 |
| 01701 | 386 |
| 01702 | 386 |
| 01703 | 386 |
| 01704 | 386 |
| 01705 | 386 |
| 01706 | 386 |
| 01751 | 386 |
| 01754 | 386 |
| 01801 | 386 |
| 01802 | 386 |
| 01803 | 386 |
| 01804 | 386 |
| 01805 | 386 |
| 01806 | 386 |
| 01811 | 395 |
| 01814 | 395 |
| 01821 | 386 |
| 01822 | 386 |
| 01823 | 386 |
| 01824 | 386 |
| 01825 | 386 |
| 01826 | 386 |
| 01831 | 395 |
| 01834 | 395 |
| 01841 | 395 |
| 01844 | 395 |
| 01851 | 386 |

| Reference No. | Page |
|---------------|------|
| 01854 | 386 |
| 01871 | 386 |
| 01874 | 386 |
| 01881 | 395 |
| 02101 | 385 |
| 02102 | 385 |
| 02103 | 385 |
| 02104 | 385 |
| 02105 | 385 |
| 02106 | 385 |
| 02111 | 385 |
| 02112 | 385 |
| 02113 | 385 |
| 02114 | 385 |
| 02115 | 385 |
| 02116 | 385 |
| 02121 | 385 |
| 02122 | 385 |
| 02123 | 385 |
| 02124 | 385 |
| 02125 | 385 |
| 02126 | 385 |
| 02201 | 384 |
| 02202 | 384 |
| 02203 | 384 |
| 02204 | 384 |
| 02205 | 384 |
| 02206 | 384 |
| 02301 | 384 |
| 02302 | 384 |
| 02303 | 384 |
| 02304 | 384 |
| 02305 | 384 |
| 02306 | 384 |
| 02311 | 384 |
| 02312 | 384 |
| 02313 | 384 |
| 02314 | 384 |
| 02315 | 384 |
| 02316 | 384 |
| 02321 | 384 |
| 02322 | 384 |
| 02323 | 384 |
| 02324 | 384 |
| 02325 | 384 |
| 02326 | 384 |
| 02351 | 395 |
| 02354 | 395 |
| 02361 | 395 |
| 02364 | 395 |
| 02601 | 387 |
| 02602 | 387 |
| 02603 | 387 |
| 02604 | 387 |
| 02605 | 387 |
| 02606 | 387 |
| 02611 | 387 |
| 02612 | 387 |
| 02614 | 387 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|---------------|------|---------------|------|---------------|------|
| 02615 | 387 | 02881 | 395 | 03615 | 387 |
| 02621 | 387 | 03101 | 385 | 03616 | 387 |
| 02622 | 387 | 03102 | 385 | 03622 | 387 |
| 02624 | 387 | 03103 | 385 | 03623 | 387 |
| 02625 | 387 | 03104 | 385 | 03625 | 387 |
| 02651 | 387 | 03105 | 385 | 03626 | 387 |
| 02652 | 387 | 03106 | 385 | 03652 | 387 |
| 02654 | 387 | 03111 | 385 | 03653 | 387 |
| 02655 | 387 | 03112 | 385 | 03655 | 387 |
| 02661 | 387 | 03113 | 385 | 03656 | 387 |
| 02662 | 387 | 03114 | 385 | 03662 | 387 |
| 02664 | 387 | 03115 | 385 | 03663 | 387 |
| 02665 | 387 | 03116 | 385 | 03665 | 387 |
| 02671 | 387 | 03121 | 385 | 03666 | 387 |
| 02672 | 387 | 03122 | 385 | 03672 | 387 |
| 02674 | 387 | 03123 | 385 | 03673 | 387 |
| 02675 | 387 | 03124 | 385 | 03675 | 387 |
| 02701 | 386 | 03125 | 385 | 03676 | 387 |
| 02702 | 386 | 03126 | 385 | 03701 | 386 |
| 02703 | 386 | 03201 | 384 | 03702 | 386 |
| 02704 | 386 | 03202 | 384 | 03703 | 386 |
| 02705 | 386 | 03203 | 384 | 03704 | 386 |
| 02706 | 386 | 03204 | 384 | 03705 | 386 |
| 02751 | 386 | 03205 | 384 | 03706 | 386 |
| 02751P | 386 | 03206 | 384 | 03752 | 386 |
| 02752 | 386 | 03301 | 384 | 03752P | 386 |
| 02754 | 386 | 03302 | 384 | 03753 | 386 |
| 02754P | 386 | 03303 | 384 | 03753P | 386 |
| 02755 | 386 | 03304 | 384 | 03755 | 386 |
| 02801 | 386 | 03305 | 384 | 03755P | 386 |
| 02802 | 386 | 03306 | 384 | 03756 | 386 |
| 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 |
| 02821 | 386 | 03321 | 384 | 03806 | 386 |
| 02822 | 386 | 03322 | 384 | 03812 | 395 |
| 02823 | 386 | 03323 | 384 | 03813 | 395 |
| 02824 | 386 | 03324 | 384 | 03815 | 395 |
| 02825 | 386 | 03325 | 384 | 03816 | 395 |
| 02826 | 386 | 03326 | 384 | 03821 | 386 |
| 02831 | 395 | 03352 | 395 | 03822 | 386 |
| 02834 | 395 | 03353 | 395 | 03823 | 386 |
| 02841 | 395 | 03355 | 395 | 03824 | 386 |
| 02844 | 395 | 03356 | 395 | 03825 | 386 |
| 02851 | 386 | 03362 | 395 | 03826 | 386 |
| 02851P | 386 | 03363 | 395 | 03832 | 395 |
| 02852 | 386 | 03365 | 395 | 03833 | 395 |
| 02854 | 386 | 03366 | 395 | 03835 | 395 |
| 02854P | 386 | 03601 | 387 | 03836 | 395 |
| 02855 | 386 | 03602 | 387 | 03839 | 395 |
| 02871 | 386 | 03603 | 387 | 03840 | 395 |
| 02871P | 386 | 03604 | 387 | 03842 | 395 |
| 02872 | 386 | 03605 | 387 | 03843 | 395 |
| 02874 | 386 | 03606 | 387 | 03845 | 395 |
| 02874P | 386 | 03612 | 387 | 03846 | 395 |
| 02875 | 386 | 03613 | 387 | 03852 | 386 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|---------------|------|---------------|------|---------------|------|
| 03852P | 386 | 05612 | 387 | 07102 | 385 |
| 03853 | 386 | 05615 | 387 | 07103 | 385 |
| 03853P | 386 | 05622 | 387 | 07104 | 385 |
| 03855 | 386 | 05625 | 387 | 07105 | 385 |
| 03855P | 386 | 05652 | 387 | 07106 | 385 |
| 03856 | 386 | 05655 | 387 | 07182 | 385 |
| 03856P | 386 | 05662 | 387 | 07185 | 385 |
| 03872 | 386 | 05665 | 387 | 07201 | 384 |
| 03872P | 386 | 05672 | 387 | 07202 | 384 |
| 03873 | 386 | 05675 | 387 | 07203 | 384 |
| 03873P | 386 | 05701 | 386 | 07204 | 384 |
| 03875 | 386 | 05702 | 386 | 07205 | 384 |
| 03875P | 386 | 05703 | 386 | 07206 | 384 |
| 03876 | 386 | 05704 | 386 | 07282 | 384 |
| 03876P | 386 | 05705 | 386 | 07285 | 384 |
| 03882 | 395 | 05706 | 386 | 07301 | 384 |
| 03883 | 395 | 05752 | 386 | 07302 | 384 |
| 05101 | 385 | 05755 | 386 | 07303 | 384 |
| 05102 | 385 | 05801 | 386 | 07304 | 384 |
| 05103 | 385 | 05802 | 386 | 07305 | 384 |
| 05104 | 385 | 05803 | 386 | 07306 | 384 |
| 05105 | 385 | 05804 | 386 | 07321 | 384 |
| 05106 | 385 | 05805 | 386 | 07322 | 384 |
| 05112 | 385 | 05806 | 386 | 07323 | 384 |
| 05113 | 385 | 05821 | 386 | 07324 | 384 |
| 05115 | 385 | 05822 | 386 | 07325 | 384 |
| 05116 | 385 | 05823 | 386 | 07326 | 384 |
| 05122 | 385 | 05824 | 386 | 07352 | 384 |
| 05123 | 385 | 05825 | 386 | 07382 | 384 |
| 05125 | 385 | 05826 | 386 | 07385 | 384 |
| 05126 | 385 | 05852 | 386 | 07395 | 384 |
| 05201 | 384 | 05855 | 386 | 07601 | 387 |
| 05202 | 384 | 05872 | 386 | 07602 | 387 |
| 05203 | 384 | 05875 | 386 | 07603 | 387 |
| 05204 | 384 | 06101 | 399 | 07604 | 387 |
| 05205 | 384 | 06102 | 399 | 07605 | 387 |
| 05206 | 384 | 06104 | 399 | 07606 | 387 |
| 05301 | 384 | 06105 | 399 | 07615 | 387 |
| 05302 | 384 | 06111 | 399 | 07682 | 387 |
| 05303 | 384 | 06112 | 399 | 07685 | 387 |
| 05304 | 384 | 06114 | 399 | 07701 | 386 |
| 05305 | 384 | 06115 | 399 | 07702 | 386 |
| 05306 | 384 | 06121 | 399 | 07703 | 386 |
| 05312 | 384 | 06122 | 399 | 07704 | 386 |
| 05313 | 384 | 06124 | 399 | 07705 | 386 |
| 05315 | 384 | 06125 | 399 | 07706 | 386 |
| 05316 | 384 | 06201 | 399 | 07715 | 386 |
| 05321 | 384 | 06202 | 399 | 07782 | 386 |
| 05322 | 384 | 06204 | 399 | 07785 | 386 |
| 05323 | 384 | 06205 | 399 | 07801 | 386 |
| 05324 | 384 | 06311 | 399 | 07802 | 386 |
| 05325 | 384 | 06312 | 399 | 07803 | 386 |
| 05326 | 384 | 06314 | 399 | 07804 | 386 |
| 05601 | 387 | 06315 | 399 | 07805 | 386 |
| 05602 | 387 | 06321 | 399 | 07806 | 386 |
| 05603 | 387 | 06322 | 399 | 07815 | 386 |
| 05604 | 387 | 06324 | 399 | 07821 | 386 |
| 05605 | 387 | 06325 | 399 | 07822 | 386 |
| 05606 | 387 | 07101 | 385 | 07823 | 386 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|---------------|------|---------------|------|---------------|-------------|
| 07824 | 386 | 08428 | 399 | 08487 | 399 |
| 07825 | 386 | 08429 | 399 | 08488 | 399 |
| 07826 | 386 | 08430 | 399 | 08489 | 399 |
| 07835 | 386 | 08431 | 399 | 08490 | 399 |
| 07882 | 386 | 08432 | 399 | 08491 | 399 |
| 07885 | 386 | 08433 | 399 | 08492 | 399 |
| 07892 | 386 | 08434 | 399 | 08493 | 399 |
| 07895 | 386 | 08435 | 399 | 08494 | 399 |
| 08101 | 399 | 08436 | 399 | 08495 | 399 |
| 08102 | 399 | 08437 | 399 | 08496 | 399 |
| 08104 | 399 | 08438 | 399 | 08501 | 385 |
| 08105 | 399 | 08439 | 399 | 08502 | 385 |
| 08111 | 399 | 08440 | 399 | 08503 | 385 |
| 08112 | 399 | 08441 | 399 | 08504 | 385 |
| 08114 | 399 | 08442 | 399 | 08505 | 385 |
| 08115 | 399 | 08443 | 399 | 08506 | 385 |
| 08121 | 399 | 08444 | 399 | 08507 | 385 |
| 08122 | 399 | 08445 | 399 | 08508 | 385 |
| 08124 | 399 | 08446 | 399 | 08509 | 385 |
| 08125 | 399 | 08447 | 399 | 08510 | 385 |
| 08201 | 399 | 08448 | 399 | 08511 | 385 |
| 08202 | 399 | 08449 | 399 | 08512 | 385 |
| 08204 | 399 | 08450 | 399 | 09101 | 399 |
| 08205 | 399 | 08451 | 399 | 09102 | 399 |
| 08311 | 399 | 08452 | 399 | 09104 | 399 |
| 08312 | 399 | 08453 | 399 | 09105 | 399 |
| 08314 | 399 | 08454 | 399 | 09111 | 399 |
| 08315 | 399 | 08455 | 399 | 09112 | 399 |
| 08321 | 399 | 08456 | 399 | 09114 | 399 |
| 08322 | 399 | 08457 | 399 | 09115 | 399 |
| 08324 | 399 | 08458 | 399 | 09121 | 399 |
| 08325 | 399 | 08459 | 399 | 09122 | 399 |
| 08401 | 399 | 08460 | 399 | 09124 | 399 |
| 08402 | 399 | 08461 | 399 | 09125 | 399 |
| 08403 | 399 | 08462 | 399 | 09201 | 399 |
| 08404 | 399 | 08463 | 399 | 09202 | 399 |
| 08405 | 399 | 08464 | 399 | 09204 | 399 |
| 08406 | 399 | 08465 | 399 | 09205 | 399 |
| 08407 | 399 | 08466 | 399 | 09311 | 399 |
| 08408 | 399 | 08467 | 399 | 09312 | 399 |
| 08409 | 399 | 08468 | 399 | 09314 | 399 |
| 08410 | 399 | 08469 | 399 | 09315 | 399 |
| 08411 | 399 | 08470 | 399 | 09321 | 399 |
| 08412 | 399 | 08471 | 399 | 09322 | 399 |
| 08413 | 399 | 08472 | 399 | 09324 | 399 |
| 08414 | 399 | 08473 | 399 | 09325 | 399 |
| 08415 | 399 | 08474 | 399 | 22000 | 303 |
| 08416 | 399 | 08475 | 399 | 22001 | 291-303 |
| 08417 | 399 | 08476 | 399 | 22002 | 291-303 |
| 08418 | 399 | 08477 | 399 | 22003 | 291-303 |
| 08419 | 399 | 08478 | 399 | 22004 | 303 |
| 08420 | 399 | 08479 | 399 | 22005 | 303 |
| 08421 | 399 | 08480 | 399 | 22007 | 277-291 |
| 08422 | 399 | 08481 | 399 | 22008 | 277 |
| 08423 | 399 | 08482 | 399 | 22009 | 277 |
| 08424 | 399 | 08483 | 399 | 22010 | 291-303 |
| 08425 | 399 | 08484 | 399 | 22012 | 291-303 |
| 08426 | 399 | 08485 | 399 | 22016 | 323-331-347 |
| 08427 | 399 | 08486 | 399 | 22017 | 323-331-347 |

QUICK SEARCH

| Reference No. | Page |
|---------------|-------------|
| 22018 | 323-331-347 |
| 22019 | 291-303 |
| 22020 | 341 |
| 22021 | 341 |
| 22022 | 341 |
| 22023 | 341 |
| 22024 | 341 |
| 22025 | 341 |
| 22050 | 313 |
| 22100 | 334-356 |
| 22101 | 334-356 |
| 25975 | 323-331 |
| 29221 | 83 |
| 29222 | 83 |
| 29223 | 83 |
| 29224 | 83 |
| 29225 | 83 |
| 29229 | 83 |
| 29230 | 83 |
| 29233 | 83 |
| 29231 | 83 |
| 29235 | 84 |
| 29236 | 84 |
| 29240 | 85 |
| 29241 | 85 |
| 29242 | 85 |
| 29243 | 85 |
| 29266 | 42-83 |
| 29270 | 83 |
| 29271 | 83 |
| 29272 | 83 |
| 29273 | 83 |
| 29274 | 83 |
| 29503 | 92 |
| 29504 | 92 |
| 29513 | 92 |
| 29514 | 92 |
| 29521 | 93 |
| 29524 | 93 |
| 29530 | 93 |
| 29531 | 93-266 |
| 29532 | 93-266 |
| 29540 | 93 |
| 29541 | 93 |
| 29542 | 93 |
| 29545 | 93 |
| 29546 | 93 |
| 29550 | 93 |
| 29551 | 93 |
| 29552 | 93 |
| 29553 | 93 |
| 29554 | 93 |
| 29555 | 93 |
| 45001 | 363 |
| 45002 | 363 |
| 45003 | 363 |
| 45004 | 363 |
| 45011 | 362 |
| 45012 | 362 |

| Reference No. | Page |
|---------------|---------|
| 45013 | 362 |
| 45014 | 362 |
| 45016 | 362 |
| 45018 | 362 |
| 45080 | 367 |
| 45081 | 367 |
| 45082 | 367 |
| 45083 | 367 |
| 45101 | 364 |
| 45102 | 364 |
| 45104 | 364 |
| 45105 | 364 |
| 45110 | 364 |
| 45111 | 364 |
| 45112 | 364 |
| 45115 | 364 |
| 45121 | 364 |
| 45122 | 364 |
| 45125 | 364 |
| 45140 | 364 |
| 45155 | 364 |
| 45165 | 364 |
| 45175 | 365 |
| 45180 | 364 |
| 45181 | 364 |
| 45200 | 365 |
| 45201 | 365 |
| 45202 | 365 |
| 45231 | 365 |
| 45233 | 365 |
| 45240 | 365 |
| 45250 | 365 |
| 45301 | 365 |
| 45302 | 365 |
| 45303 | 365 |
| 45310 | 365 |
| 45400 | 364 |
| 45401 | 364 |
| 45402 | 364 |
| 45425 | 365 |
| 45915 | 353 |
| 45916 | 353 |
| 45920 | 353 |
| 45921 | 353 |
| 45922 | 353 |
| 45925 | 359 |
| 45926 | 359 |
| 46250 | 163 |
| 46251 | 162 |
| 48007 | 180 |
| 48013 | 171-178 |
| 48014 | 171-179 |
| 48019 | 153-255 |
| 48021 | 255 |
| 48107 | 183 |
| 48108 | 183 |
| 48111 | 129 |
| 48112 | 129 |
| 48113 | 129 |

| Reference No. | Page |
|---------------|-------------|
| 48114 | 129 |
| 48115 | 129-255 |
| 48116 | 129 |
| 48152 | 152 |
| 48154 | 135 |
| 48156 | 135 |
| 48158 | 135 |
| 48205 | 277-291 |
| 48228 | 32 |
| 48242 | 191 |
| 48243 | 181-197-256 |
| 48244 | 197 |
| 48245 | 197 |
| 48250 | 264 |
| 48251 | 264 |
| 48252 | 264 |
| 48253 | 264 |
| 48256 | 264 |
| 48257 | 264 |
| 48258 | 264 |
| 48259 | 264 |
| 48262 | 264 |
| 48263 | 264 |
| 48264 | 264 |
| 48265 | 264 |
| 48266 | 195 |
| 48267 | 195 |
| 48268 | 264 |
| 48269 | 264 |
| 48270 | 264 |
| 48271 | 264 |
| 48274 | 264 |
| 48275 | 264 |
| 48283 | 263 |
| 48286 | 264 |
| 48287 | 264 |
| 48288 | 264 |
| 48289 | 264 |
| 48290 | 153-255 |
| 48292 | 153-255 |
| 48294 | 153-255 |
| 48300 | 153-255 |
| 48338 | 266 |
| 48339 | 266 |
| 48340 | 181-197 |
| 48343 | 255 |
| 48370 | 195 |
| 48371 | 195 |
| 48372 | 195 |
| 48380 | 39-256 |
| 48383 | 39-256 |
| 48385 | 39 |
| 48386 | 39 |
| 48387 | 39 |
| 48388 | 39 |
| 48390 | 40 |
| 48391 | 40 |
| 48400 | 40 |
| 48401 | 40 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|---------------|----------------|---------------|-------------|---------------|---------|
| 48404 | 42 | 48472 | 129 | 48581 | 151 |
| 48405 | 40 | 48473 | 129 | 48582 | 151 |
| 48406 | 40 | 48474 | 129 | 48583 | 151 |
| 48409 | 41 | 48475 | 43-162 | 48584 | 151 |
| 48410 | 41 | 48476 | 267 | 48585 | 150-199 |
| 48411 | 41 | 48478 | 130 | 48587 | 41 |
| 48412 | 41 | 48479 | 130 | 48588 | 150-199 |
| 48413 | 41 | 48480 | 130 | 48589 | 41 |
| 48414 | 40 | 48481 | 130 | 48590 | 41 |
| 48415 | 42 | 48482 | 151-199 | 48591 | 41 |
| 48416 | 267 | 48483 | 151 | 48592 | 41 |
| 48417 | 267 | 48484 | 151-199 | 48593 | 42 |
| 48418 | 267 | 48485 | 151-199 | 48594 | 42 |
| 48419 | 129 | 48493 | 41 | 48622 | 137 |
| 48420 | 43 | 48495 | 41 | 48623 | 43-57 |
| 48421 | 263 | 48496 | 41 | 48625 | 48 |
| 48422 | 43 | 48497 | 34 | 48635 | 39 |
| 48423 | 43-57 | 48498 | 34 | 48636 | 130 |
| 48424 | 267 | 48499 | 34 | 48642 | 137 |
| 48425 | 267 | 48500 | 128 | 48644 | 263 |
| 48427 | 183 | 48501 | 42 | 48645 | 263 |
| 48428 | 267 | 48511 | 267 | 48646 | 263 |
| 48429 | 267 | 48512 | 267 | 48647 | 263 |
| 48431 | 267 | 48515 | 150 | 48651 | 263 |
| 48432 | 267 | 48516 | 150 | 48652 | 263 |
| 48433 | 267 | 48517 | 150 | 48660 | 179 |
| 48434 | 267 | 48518 | 150 | 48661 | 179 |
| 48435 | 267 | 48519 | 150 | 48662 | 179 |
| 48436 | 267 | 48522 | 150-199 | 48663 | 179 |
| 48437 | 257 | 48523 | 150-199 | 48664 | 179 |
| 48438 | 267 | 48525 | 151 | 48669 | 265 |
| 48439 | 267 | 48526 | 124 | 48670 | 265 |
| 48440 | 257 | 48527 | 124 | 48671 | 265 |
| 48444 | 181 | 48528 | 124 | 48672 | 265 |
| 48445 | 183 | 48531 | 265 | 48673 | 265 |
| 48446 | 183 | 48539 | 267 | 48674 | 265 |
| 48447 | 183 | 48540 | 42 | 48675 | 265 |
| 48448 | 183 | 48541 | 150-199 | 48676 | 265 |
| 48449 | 42-163-183 | 48542 | 183 | 48677 | 265 |
| 48450 | 40 | 48545 | 33 | 48678 | 265 |
| 48451 | 42 | 48546 | 42 | 48679 | 265 |
| 48452 | 257 | 48547 | 42 | 48680 | 260 |
| 48453 | 258 | 48550 | 42-183 | 48681 | 261 |
| 48454 | 259 | 48551 | 42 | 48685 | 260 |
| 48455 | 42 | 48552 | 42 | 48686 | 259 |
| 48456 | 41 | 48559 | 150 | 48687 | 259 |
| 48457 | 41 | 48560 | 104-151-199 | 48688 | 261 |
| 48458 | 183 | 48561 | 104-151-199 | 48689 | 262 |
| 48459 | 183 | 48562 | 151 | 48690 | 98-110 |
| 48460 | 42-150-183-199 | 48563 | 151 | 48700 | 179 |
| 48461 | 151-199 | 48564 | 151 | 48701 | 179 |
| 48462 | 39-153-256 | 48565 | 151-199 | 48702 | 179 |
| 48463 | 150-199 | 48568 | 104 | 48703 | 179 |
| 48464 | 150-199 | 48569 | 104 | 48704 | 179 |
| 48465 | 150-199 | 48574 | 104 | 48705 | 195 |
| 48466 | 151-256 | 48575 | 104 | 48720 | 257 |
| 48468 | 267 | 48576 | 104 | 48721 | 257 |
| 48470 | 267 | 48577 | 104 | 48722 | 257 |
| 48471 | 129 | 48580 | 41 | 48723 | 257 |

QUICK SEARCH

| Reference No. | Page |
|---------------|-----------------|
| 48724 | 257 |
| 48725 | 257 |
| 48726 | 257 |
| 48727 | 257 |
| 48728 | 257 |
| 48729 | 257 |
| 48776 | 147 |
| 48783 | 264 |
| 48784 | 264 |
| 48785 | 264 |
| 48786 | 264 |
| 48787 | 264 |
| 48788 | 264 |
| 48791 | 262 |
| 48792 | 262 |
| 48793 | 262 |
| 48794 | 262 |
| 48795 | 262 |
| 48800 | 258 |
| 49330 | 266 |
| 49331 | 266 |
| 49332 | 266 |
| 49335 | 266 |
| 49336 | 266 |
| 49366 | 135-256 |
| 49367 | 135-256 |
| 49368 | 135-181-197-256 |
| 49385 | 152-255 |
| 49386 | 152-255 |
| 49387 | 152-255 |
| 49390 | 256 |
| 49730 | 43 |
| 49731 | 43 |
| 74450 | 359 |
| 74455 | 359 |
| 74460 | 359 |
| 74470 | 359 |
| 74480 | 359 |
| 74485 | 359 |
| 74490 | 359 |
| 74500 | 359 |
| 74510 | 359 |
| 74512 | 359 |
| 74515 | 359 |
| 74702 | 347 |
| 74712 | 347 |
| 74722 | 347 |
| 76420 | 323-331 |
| 76440 | 323-331 |
| 76460 | 323-331 |
| 76760 | 323-331 |
| 76790 | 323-331 |
| 76800 | 323-331 |
| 76902 | 347 |
| 76912 | 347 |
| 76922 | 347 |
| 77020 | 291-303 |
| 77200 | 303 |
| 77430 | 277 |

| Reference No. | Page |
|---------------|---------------------|
| 77590 | 153-255-277-291-303 |
| 77600 | 255-323-331-341-347 |
| 77650 | 277-291-303-313-323 |
| 77670 | 277 |
| 77702 | 313 |
| 77712 | 313 |
| 77720 | 313 |
| 77952 | 313 |
| 77953 | 313 |
| 77962 | 313 |
| 77963 | 313 |
| 86020 | 277 |
| 86040 | 277 |
| 86400 | 303 |
| 86410 | 303 |
| 86420 | 303 |
| 86430 | 291-303 |
| 86440 | 303 |
| 86450 | 303 |
| 86460 | 303 |
| 86470 | 303 |
| 86490 | 291-303 |
| 86520 | 303 |
| 86550 | 291 |
| 86560 | 291 |
| 86570 | 291 |
| 86580 | 291 |
| 92000 | 291-303 |
| 92110 | 277-291 |
| 92110/1 | 277-291 |
| 92119 | 313 |
| 92121 | 313 |
| 92122 | 313 |
| 92123 | 313 |
| 92124 | 313 |
| 92125 | 313 |
| 92126 | 313 |
| 92127 | 313 |
| 92128 | 313 |
| 92129 | 313 |
| 92150 | 291-303 |
| 92580 | 277-291-303 |
| 92581 | 277-291-303 |
| 92582 | 277-291-303 |
| 92583 | 277-291-303 |
| 92584 | 277-291-303 |
| 92585 | 277-291-303 |
| 92589 | 291-303 |
| 92590 | 291-303 |
| 92591 | 291-303 |
| 92609 | 313 |
| 92611 | 291-303-323-331-359 |
| 92620 | 277 |
| 92640 | 277 |
| 92765 | 347 |

| Reference No. | Page |
|----------------|-------------|
| 94037 | 347 |
| 94270 | 291 |
| 94271 | 291 |
| 94272 | 291 |
| 94273 | 277-291-303 |
| 94274 | 277-291-303 |
| 94280 | 277 |
| 94292 | 277-291 |
| 94293 | 277 |
| 94380 | 359 |
| 94422 | 181 |
| 178M | 274 |
| 178M/RR | 275 |
| 178P | 274 |
| 178P/RR | 275 |
| 1712GM | 274 |
| 1712GM/RR | 275 |
| 1724GM | 274 |
| 1724GM/RR | 275 |
| 40EMP48-72PO | 175 |
| 40EMP48-72PT | 175 |
| 40EMP72-96PO | 175 |
| 40EMP72-96PT | 175 |
| 40EMP96-120PO | 175 |
| 40EMP96-120PT | 175 |
| 40EMP120-168PO | 175 |
| 40EMP120-168PT | 175 |
| 40EMP144-192PO | 175 |
| 40EMP144-192PT | 175 |
| 40ENL48-72 | 172 |
| 40ENL72-96 | 172 |
| 40ENL96-120 | 172 |
| 40ENL120-168 | 172 |
| 40ENL144-192 | 172 |
| 40ENL192-240PO | 190 |
| 40ENL192-240PT | 190 |
| 40ENL216-288PO | 190 |
| 40ENL216-288PT | 190 |
| 40SUP48-72PO | 173 |
| 40SUP48-72PT | 173 |
| 40SUP72-96PO | 173 |
| 40SUP72-96PT | 173 |
| 40SUP96-120PO | 173 |
| 40SUP96-120PT | 173 |
| 40SUP120-168PO | 173 |
| 40SUP120-168PT | 173 |
| 40SUP144-192PO | 173 |
| 40SUP144-192PT | 173 |
| 55SUP192-240PO | 190 |
| 55SUP192-240PT | 190 |
| 55SUP216-288PO | 190 |
| 55SUP216-288PT | 190 |
| 65SUP48-72PO | 174 |
| 65SUP48-72PT | 174 |
| 65SUP72-96PO | 174 |
| 65SUP72-96PT | 174 |
| 65SUP96-120PO | 174 |
| 65SUP96-120PT | 174 |
| 65SUP120-168PO | 174 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|-------------------|------|--------------------|------|----------------|---------|
| 65SUP120-168PT | 174 | ATX705025/INX | 68 | BM12PO/RR | 329 |
| 65SUP144-192PO | 174 | ATX705025/INX-316 | 68 | BM12PT | 328 |
| 65SUP144-192PT | 174 | ATX806030 | 64 | BM12PT/RR | 329 |
| AS340/230 | 220 | ATX806030/INX | 68 | BM24PO | 328 |
| AS580/230 | 221 | ATX806030/INX-316 | 68 | BM24PO/RR | 329 |
| AS870/230 | 222 | ATX808030 | 64 | BM24PT | 328 |
| AS1000/230 | 223 | ATX808030/INX | 68 | BM24PT/RR | 329 |
| AS1500/230 | 224 | ATX808030/INX-316 | 68 | BM36PO | 328 |
| AS2000/230 | 225 | ATX1008030 | 64 | BM36PO/RR | 329 |
| AS2500/400 | 226 | ATX1008030/INX | 68 | BM36PT | 328 |
| AS4000/400 | 227 | ATX1008030/INX-316 | 68 | BM36PT/RR | 329 |
| AS5800/400 | 228 | BF19/38U | 140 | BNF19-1/2U | 142 |
| ASE340/230 | 229 | BF19/42U | 140 | BNF19-1U/200 | 142 |
| ASE580/230 | 230 | BF19/47U | 140 | BNF19-2U/250 | 142 |
| ASE870/230 | 231 | BIG1656040PO | 98 | BNF19-2U/400 | 142 |
| ASE1000/230 | 232 | BIG1656040PO/INX | 102 | BNF6040 | 124-147 |
| ASE1500/230 | 233 | BIG1658040PO | 98 | BNF6060 | 124-147 |
| ASE2000/230 | 234 | BIG1658040PO/INX | 102 | BNF6080 | 124-147 |
| ASE2500/400 | 235 | BIG16510040PO | 98 | BNF6080 | 124-147 |
| ASE4000/400 | 236 | BIG16510040POD | 98 | BNF8040 | 147 |
| AT600/230 | 237 | BIG16510040PO/INX | 102 | BNF8060 | 147 |
| AT1000/230 | 238 | BIG16512040POD | 98 | BNF8080 | 147 |
| AT1500/230 | 239 | BIG1806040PO | 98 | BP19/36U | 139 |
| AT2000/230 | 240 | BIG1806040PO/INX | 102 | BP19/40U | 139 |
| AT3000/400 | 241 | BIG1808040PO | 98 | BP19/45U | 139 |
| AT4000/400 | 242 | BIG1808040PO/INX | 102 | BT2 | 320 |
| ATX302015 | 64 | BIG1808050PO | 98 | BT4 | 320 |
| ATX302015/INX | 68 | BIG1808050PO/INX | 102 | BTM16560 | 132 |
| ATX302015/INX-316 | 68 | BIG18010040PO | 98 | BTM16580 | 132 |
| ATX302515 | 64 | BIG18010040POD | 98 | BTM165100 | 132 |
| ATX302515/INX | 68 | BIG18010040PO/INX | 102 | BTM165100/P400 | 133 |
| ATX302515/INX-316 | 68 | BIG18010050PO | 98 | BTM165120 | 132 |
| ATX303015 | 64 | BIG18010050POD | 98 | BTM165120/P400 | 133 |
| ATX303015/INX | 68 | BIG18010050PO/INX | 102 | BTM18060 | 132 |
| ATX303015/INX-316 | 68 | BIG18012040POD | 98 | BTM18080 | 132 |
| ATX303020 | 64 | BIG18012050POD | 98 | BTM18080/E200 | 133 |
| ATX403020 | 64 | BIG2006040PO | 98 | BTM180100 | 132 |
| ATX403020/INX | 68 | BIG2006040PO/INX | 102 | BTM180100/E200 | 133 |
| ATX403020/INX-316 | 68 | BIG2008040PO | 98 | BTM180100/P400 | 133 |
| ATX404020 | 64 | BIG2008040PO/INX | 102 | BTM180120 | 132 |
| ATX404020/INX | 68 | BIG2008050PO | 98 | BTM180120/P400 | 133 |
| ATX404020/INX-316 | 68 | BIG2008050PO/INX | 102 | BTM180160 | 132 |
| ATX406020 | 64 | BIG20010040PO | 98 | BTM20060 | 132 |
| ATX406020/INX | 68 | BIG20010040POD | 98 | BTM20080 | 132 |
| ATX406020/INX-316 | 68 | BIG20010040PO/INX | 102 | BTM20080/E200 | 133 |
| ATX504020 | 64 | BIG20010050PO | 98 | BTM200100 | 132 |
| ATX504020/INX | 68 | BIG20010050POD | 98 | BTM200100/E200 | 133 |
| ATX504020/INX-316 | 68 | BIG20010050PO/INX | 102 | BTM200100/P400 | 133 |
| ATX604020 | 64 | BIG20012040POD | 98 | BTM200120 | 132 |
| ATX604020/INX | 68 | BIG20012050POD | 98 | BTM200120/P400 | 133 |
| ATX604020/INX-316 | 68 | BM4PO | 328 | BTM200160 | 132 |
| ATX604025 | 64 | BM4PO/RR | 329 | BTM22060 | 132 |
| ATX605025 | 64 | BM4PT | 328 | BTM22080 | 132 |
| ATX605025/INX | 68 | BM4PT/RR | 329 | BTM22080/E200 | 133 |
| ATX605025/INX-316 | 68 | BM8PO | 328 | BV4PO | 320 |
| ATX606025 | 64 | BM8PO/RR | 329 | BV4PO/RR | 321 |
| ATX606025/INX | 68 | BM8PT | 328 | BV4PT | 320 |
| ATX606025/INX-316 | 68 | BM8PT/RR | 329 | BV4PT/RR | 321 |
| ATX705025 | 64 | BM12PO | 328 | BV8PO | 320 |

QUICK SEARCH

| Reference No. | Page |
|----------------|---------|
| BV8PO/RR | 321 |
| BV8PT | 320 |
| BV8PT/RR | 321 |
| BV12PO | 320 |
| BV12PO/RR | 321 |
| BV12PT | 320 |
| BV12PT/RR | 321 |
| BV24PO | 320 |
| BV24PO/RR | 321 |
| BV24PT | 320 |
| BV24PT/RR | 321 |
| BV36PO | 320 |
| BV36PO/RR | 321 |
| BV36PT | 320 |
| BV36PT/RR | 321 |
| CDN4G | 296 |
| CDN4G/R | 297 |
| CDN4PT | 296 |
| CDN4PT/RR | 297 |
| CDN6PT | 296 |
| CDN6PT/RR | 297 |
| CDN8PT | 296 |
| CDN8PT/RR | 297 |
| CDN12PT | 296 |
| CDN12PT/RR | 297 |
| CDN18PT | 296 |
| CDN18PT/RR | 297 |
| CDN24PT | 298 |
| CDN24PT/PLUS | 289-301 |
| CDN24PT/RR | 299 |
| CDN36PT2F | 298 |
| CDN36PT2F/PLUS | 289-301 |
| CDN36PT2F/RR | 299 |
| CDN36PT3F | 298 |
| CDN36PT3F/RR | 299 |
| CDN54PT | 298 |
| CDN54PT/RR | 299 |
| CDP4PT | 296 |
| CDP4PT/RR | 297 |
| CDP6PT | 296 |
| CDP6PT/RR | 297 |
| CDP8PT | 296 |
| CDP8PT/RR | 297 |
| CDP12PT | 296 |
| CDP12PT/RR | 297 |
| CDP18PT | 296 |
| CDP18PT/RR | 297 |
| CDP24PT | 298 |
| CDP24PT/RR | 299 |
| CDP36PT2F | 298 |
| CDP36PT2F/RR | 299 |
| CDP36PT3F | 298 |
| CDP36PT3F/RR | 299 |
| CDP54PT | 298 |
| CDP54PT/RR | 299 |
| CE304060 | 138 |
| CE304080 | 138 |
| CE306060 | 138 |
| CE306080 | 138 |

| Reference No. | Page |
|---------------|---------|
| CE308060 | 138 |
| CE308080 | 138 |
| CE3010060 | 138 |
| CE3010080 | 138 |
| CE3012060 | 138 |
| CE3012080 | 138 |
| CE404060 | 138 |
| CE404080 | 138 |
| CE406060 | 138 |
| CE406080 | 138 |
| CE408060 | 138 |
| CE408080 | 138 |
| CE4010060 | 138 |
| CE4010080 | 138 |
| CE4012060 | 138 |
| CE4012080 | 138 |
| CH3025/1520 | 33 |
| CH3030/1520 | 33 |
| CH4030/1520 | 33 |
| CH4040/1520 | 33 |
| CH4040/2530 | 33 |
| CH4060/1520 | 33 |
| CH4060/2530 | 33 |
| CH5040/1520 | 33 |
| CH5040/2530 | 33 |
| CH6040/1520 | 33 |
| CH6040/2530 | 33 |
| CH6060/1520 | 33 |
| CH6060/2530 | 33 |
| CH7050/1520 | 33 |
| CH7050/2530 | 33 |
| CH8060/1520 | 33 |
| CH8060/2530 | 33 |
| CH8080/1520 | 33 |
| CH8080/2530 | 33 |
| CH10060/2530 | 33 |
| CH10080/2530 | 33 |
| CH10080/40 | 33 |
| CSN4PT | 282 |
| CSN4PT/R | 283 |
| CSN6PT | 282 |
| CSN6PT/RR | 283 |
| CSN9PT | 282 |
| CSN9PT/RR | 283 |
| CSN12PT | 282 |
| CSN12PT/PLUS | 289-301 |
| CSN12PT/RR | 283 |
| CSN18PT | 282 |
| CSN18PT/PLUS | 289-301 |
| CSN18PT/RR | 283 |
| CSN24PT | 282 |
| CSN24PT/RR | 283 |
| CSN36PT | 282 |
| CSN36PT/RR | 283 |
| CSNPLUS | 282 |
| CSNPLUS/RR | 283 |
| CT110 | 359 |
| CT114 | 359 |
| CT115/K | 353 |

| Reference No. | Page |
|---------------|------|
| CT155/K | 353 |
| CT210 | 359 |
| CT217/K | 353 |
| CT220 | 359 |
| CT225 | 359 |
| CT326 | 359 |
| CT338 | 359 |
| CT536 | 359 |
| CT536/PH | 356 |
| D70 | 358 |
| D70/1K | 352 |
| D70/2K | 352 |
| D70/3K | 352 |
| D70/4K | 352 |
| D70/5K | 352 |
| D88 | 358 |
| D100 | 358 |
| D110 | 358 |
| D114 | 358 |
| D210 | 358 |
| DFF36PO/RR | 335 |
| DFF36PO/PH/RR | 334 |
| DFF42PO/RR | 335 |
| DFF42PO/PH/RR | 334 |
| DFF54PO/RR | 335 |
| DFF54PO/PH/RR | 334 |
| DFF84PO/PH/RR | 334 |
| E48M200 | 175 |
| E48P200 | 175 |
| E72M150 | 175 |
| E72M200 | 175 |
| E72P150 | 175 |
| E72P200 | 175 |
| E96M150 | 175 |
| E96M200 | 175 |
| E96P150 | 175 |
| E96P200 | 175 |
| E120M150 | 175 |
| E120M200 | 175 |
| E120P150 | 175 |
| E120P200 | 175 |
| E144M200 | 175 |
| E144P200 | 175 |
| E168M150 | 175 |
| E168P150 | 175 |
| E192M150 | 175 |
| E192P150 | 175 |
| EBF19/38U | 140 |
| EBF19/42U | 140 |
| EBF19/47U | 140 |
| EE1810PO | 196 |
| EE1810PT | 196 |
| EE2110PO | 196 |
| EE2110PT | 196 |
| EE6751 | 180 |
| EE6771 | 180 |
| EE6791 | 180 |
| EE67111 | 180 |
| EE67113 | 180 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|--------------------|------|----------------------|------|------------------|------|
| EL111 | 308 | ELAB1515135/INX | 54 | ENL16512060PT/DC | 117 |
| EL161 | 308 | ELAB1515135/INX-316 | 54 | ENL1806040PO/SP | 116 |
| EL171 | 308 | ELAB2015135/INX | 54 | ENL1806040PT/SP | 116 |
| EL231 | 308 | ELAB2015135/INX-316 | 54 | ENL1806050PO/SP | 116 |
| EL322 | 308 | ELAB2020135/INX | 54 | ENL1806050PT/SP | 116 |
| ELA151590 | 48 | ELAB2020135/INX-316 | 54 | ENL1806060PO/SP | 116 |
| ELA151590/INX | 52 | ELAB3015135/INX | 54 | ENL1806060PT/SP | 116 |
| ELA151590/INX-316 | 52 | ELAB3015135/INX-316 | 54 | ENL1808040PO/SP | 116 |
| ELA1515135/INX | 52 | ELAB3020135/INX | 54 | ENL1808040PT/SP | 116 |
| ELA1515135 | 48 | ELAB3020135/INX-316 | 54 | ENL1808050PO/SP | 116 |
| ELA1515135/INX-316 | 52 | ELAB3030135/INX | 54 | ENL1808050PT/SP | 116 |
| ELA201590 | 48 | ELAB3030135/INX-316 | 54 | ENL1808060PO/SP | 116 |
| ELA201590/INX | 52 | ELAB4020135/INX | 54 | ENL1808060PT/SP | 116 |
| ELA201590/INX-316 | 52 | ELAB4020135/INX-316 | 54 | ENL18010040PO/DC | 117 |
| ELA2015135 | 48 | ELAB4030135/INX | 54 | ENL18010040PO/SP | 116 |
| ELA2015135/INX | 52 | ELAB4030135/INX-316 | 54 | ENL18010040PT/DC | 117 |
| ELA2015135/INX-316 | 52 | ELAB4040135/INX | 54 | ENL18010050PO/DC | 117 |
| ELA202090 | 48 | ELAB4040135/INX-316 | 54 | ENL18010050PO/SP | 116 |
| ELA202090/INX | 52 | ELATX1515135/INX | 72 | ENL18010050PT/DC | 117 |
| ELA202090/INX-316 | 52 | ELATX2015135/INX | 72 | ENL18010060PO/DC | 117 |
| ELA2020135 | 48 | ELATX2020135/INX | 72 | ENL18010060PO/SP | 116 |
| ELA2020135/INX | 52 | ELATX3015135/INX | 72 | ENL18010060PT/DC | 117 |
| ELA2020135/INX-316 | 52 | ELATX3020135/INX | 72 | ENL18012040PO/DC | 117 |
| ELA301590 | 48 | ELATX3030135/INX | 72 | ENL18012040PT/DC | 117 |
| ELA301590/INX | 52 | ELATX4020135/INX | 72 | ENL18012050PO/DC | 117 |
| ELA301590/INX-316 | 52 | ELATX4030135/INX | 72 | ENL18012050PT/DC | 117 |
| ELA3015135 | 48 | ELATX4040135/INX | 72 | ENL18012060PO/DC | 117 |
| ELA3015135/INX | 52 | ELATX1515135/INX-316 | 72 | ENL18012060PT/DC | 117 |
| ELA3015135/INX-316 | 52 | ELATX2015135/INX-316 | 72 | ENL18016040PO/DC | 117 |
| ELA302090 | 48 | ELATX2020135/INX-316 | 72 | ENL18016050PO/DC | 117 |
| ELA302090/INX | 52 | ELATX3015135/INX-316 | 72 | ENL2006040PO/SP | 116 |
| ELA302090/INX-316 | 52 | ELATX3020135/INX-316 | 72 | ENL2006040PT/SP | 116 |
| ELA3020135 | 48 | ELATX3030135/INX-316 | 72 | ENL2006050PO/SP | 116 |
| ELA3020135/INX | 52 | ELATX4020135/INX-316 | 72 | ENL2006050PT/SP | 116 |
| ELA3020135/INX-316 | 52 | ELATX4030135/INX-316 | 72 | ENL2006060PO/SP | 116 |
| ELA3030135 | 48 | ELATX4040135/INX-316 | 72 | ENL2006060PT/SP | 116 |
| ELA3030135/INX | 52 | ELT171 | 309 | ENL2006080PO/SP | 116 |
| ELA3030135/INX-316 | 52 | ELT231 | 309 | ENL2006080PT/SP | 116 |
| ELA402090/INX | 52 | ELT322 | 309 | ENL20060100PO/SP | 116 |
| ELA402090/INX-316 | 52 | EM14BO/RR | 346 | ENL20060100PT/SP | 116 |
| ELA402090 | 48 | EM28BO/RR | 346 | ENL2008040PO/SP | 116 |
| ELA4020135 | 48 | EM42BO/RR | 346 | ENL2008040PT/SP | 116 |
| ELA4020135/INX | 52 | ENL1656050PO/SP | 116 | ENL2008050PO/SP | 116 |
| ELA4020135/INX-316 | 52 | ENL1656050PT/SP | 116 | ENL2008050PT/SP | 116 |
| ELA4030135 | 48 | ENL1656060PO/SP | 116 | ENL2008060PO/SP | 116 |
| ELA4030135/INX | 52 | ENL1656060PT/SP | 116 | ENL2008060PT/SP | 116 |
| ELA4030135/INX-316 | 52 | ENL1658050PO/SP | 116 | ENL2008080PO/SP | 116 |
| ELA4040135 | 48 | ENL1658050PT/SP | 116 | ENL2008080PT/SP | 116 |
| ELA4040135/INX | 52 | ENL1658060PO/SP | 116 | ENL20080100PO/SP | 116 |
| ELA4040135/INX-316 | 52 | ENL1658060PT/SP | 116 | ENL20080100PT/SP | 116 |
| ELA5020135 | 48 | ENL16510050PO/DC | 117 | ENL20010040PO/DC | 117 |
| ELA5020135/INX | 52 | ENL16510050PO/SP | 116 | ENL20010040PT/DC | 117 |
| ELA5020135/INX-316 | 52 | ENL16510050PT/DC | 117 | ENL20010050PO/DC | 117 |
| ELA5030135 | 48 | ENL16510060PO/DC | 117 | ENL20010050PO/SP | 116 |
| ELA5030135/INX | 52 | ENL16510060PO/SP | 116 | ENL20010050PT/DC | 117 |
| ELA5030135/INX-316 | 52 | ENL16510060PT/DC | 117 | ENL20010060PO/DC | 117 |
| ELA6020135 | 48 | ENL16512050PO/DC | 117 | ENL20010060PO/SP | 116 |
| ELA6040135 | 48 | ENL16512050PT/DC | 117 | ENL20010060PT/DC | 117 |
| ELA8020135 | 48 | ENL16512060PO/DC | 117 | | |

QUICK SEARCH

| Reference No. | Page |
|--------------------|------|
| ENL20010080PO/DC | 117 |
| ENL20010080PO/SP | 116 |
| ENL20010080PT/DC | 117 |
| ENL20012040PO/DC | 117 |
| ENL20012040PT/DC | 117 |
| ENL20012050PO/DC | 117 |
| ENL20012050PT/DC | 117 |
| ENL20012060PO/DC | 117 |
| ENL20012060PT/DC | 117 |
| ENL20012080PO/DC | 117 |
| ENL20012080PT/DC | 117 |
| ENL20016040PO/DC | 117 |
| ENL20016050PO/DC | 117 |
| ENL20016060PO/DC | 117 |
| ENL20016080PO/DC | 117 |
| ENL2206060PO/SP | 116 |
| ENL22060100PO/SP | 116 |
| ENL22060100PT/SP | 116 |
| ENL2208060PO/SP | 116 |
| ENL2208060PT/SP | 116 |
| ENL2208080PO/SP | 116 |
| ENL2208080PT/SP | 116 |
| ENL22080100PO/SP | 116 |
| ENL22080100PT/SP | 116 |
| ENLBP1808060PT/SP | 141 |
| ENLBP1808080PT/SP | 141 |
| ENLBP18010060PT/SP | 141 |
| ENLBP18010080PT/SP | 141 |
| ENLBP2008060PT/SP | 141 |
| ENLBP2008080PT/SP | 141 |
| ENLBP20010060PT/SP | 141 |
| ENLBP20010080PT/SP | 141 |
| ENLBP2208060PT/SP | 141 |
| ENLBP2208080PT/SP | 141 |
| ENLPC1656060 | 124 |
| ENLPC1656060/PMO | 124 |
| ENLPC1656080 | 124 |
| EP048 | 308 |
| EP088 | 308 |
| ESQ1804040 | 136 |
| ESQ1804050 | 136 |
| ESQ1804060 | 136 |
| ESQ1805050 | 136 |
| ESQ1805060 | 136 |
| ESQ1806060 | 136 |
| ESQ1806080 | 136 |
| ESQ2004040 | 136 |
| ESQ2004050 | 136 |
| ESQ2004060 | 136 |
| ESQ2004080 | 136 |
| ESQ2005050 | 136 |
| ESQ2005060 | 136 |
| ESQ2005080 | 136 |
| ESQ2006050 | 136 |
| ESQ2006060 | 136 |
| ESQ2006080 | 136 |
| ESQ2008080 | 136 |
| EV111 | 308 |
| EV161 | 308 |

| Reference No. | Page |
|------------------|------|
| EV171 | 308 |
| EV231 | 308 |
| EV322 | 308 |
| EVT171 | 309 |
| EVT231 | 309 |
| EVT322 | 309 |
| EX088 | 308 |
| EX111 | 308 |
| EX161 | 308 |
| EX171 | 308 |
| EX231 | 308 |
| EX322 | 308 |
| EXA3015135 | 48 |
| EXA3020135 | 48 |
| EXA3030135 | 48 |
| EXA4020135 | 48 |
| EXA4030135 | 48 |
| EXA4040135 | 48 |
| EXA5020135 | 48 |
| EXA5030135 | 48 |
| EXA6020135 | 48 |
| EXA6030135 | 48 |
| EXA6040135 | 48 |
| EXA8020135 | 48 |
| EXA8040135 | 48 |
| EXT171 | 309 |
| EXT231 | 309 |
| EXT322 | 309 |
| F93 | 213 |
| F123 | 213 |
| F222 | 213 |
| F290 | 213 |
| FSC1656040PO/SP | 110 |
| FSC1656040PT/SP | 110 |
| FSC1658040PO/SP | 110 |
| FSC1658040PT/SP | 110 |
| FSC1658050PO/SP | 110 |
| FSC1658050PT/SP | 110 |
| FSC16510040PO/DC | 110 |
| FSC16510040PO/SP | 110 |
| FSC16510040PT/DC | 110 |
| FSC16510050PO/DC | 110 |
| FSC16510050PO/SP | 110 |
| FSC16510050PT/DC | 110 |
| FSC16512040PO/DC | 110 |
| FSC16512040PT/DC | 110 |
| FSC1806040PO/SP | 110 |
| FSC1806040PT/SP | 110 |
| FSC1808040PO/SP | 110 |
| FSC1808040PT/SP | 110 |
| FSC1808050PO/SP | 110 |
| FSC1808050PT/SP | 110 |
| FSC18010040PO/DC | 110 |
| FSC18010040PO/SP | 110 |
| FSC18010040PT/DC | 110 |
| FSC18010050PO/DC | 110 |
| FSC18010050PO/SP | 110 |
| FSC18010050PT/DC | 110 |
| FSC18010050PT/SP | 110 |
| FSC18012040PO/DC | 110 |

| Reference No. | Page |
|------------------|------|
| FSC18012040PT/DC | 110 |
| FSC18012050PO/DC | 110 |
| FSC18012050PT/DC | 110 |
| FSC18016040PO/DC | 110 |
| FSC18016050PO/DC | 110 |
| FSC2006040PO/SP | 110 |
| FSC2006040PT/SP | 110 |
| FSC2008040PO/SP | 110 |
| FSC2008040PT/SP | 110 |
| FSC2008050PO/SP | 110 |
| FSC2008050PT/SP | 110 |
| FSC20010040PO/DC | 110 |
| FSC20010040PO/SP | 110 |
| FSC20010040PT/DC | 110 |
| FSC20010050PO/DC | 110 |
| FSC20010050PO/SP | 110 |
| FSC20010050PT/DC | 110 |
| FSC20012040PO/DC | 110 |
| FSC20012040PT/DC | 110 |
| FSC20012050PO/DC | 110 |
| FSC20012050PT/DC | 110 |
| FSC20016040PO/DC | 110 |
| FSC20016050PO/DC | 110 |
| GD400 | 128 |
| GD600 | 128 |
| GD800 | 128 |
| GD1000 | 128 |
| GD1200 | 128 |
| GN252015 | 22 |
| GN252015/SP | 22 |
| GN252515 | 22 |
| GN252515/SP | 22 |
| GN302015 | 22 |
| GN302015/SP | 22 |
| GN302515 | 22 |
| GN302515/SP | 22 |
| GN302520 | 22 |
| GN302520/SP | 22 |
| GN303015 | 22 |
| GN303015/SP | 22 |
| GN303020 | 22 |
| GN303020/SP | 22 |
| GN304015 | 22 |
| GN304015/SP | 22 |
| GN304020 | 22 |
| GN304020/SP | 22 |
| GN403015 | 22 |
| GN403015/SP | 22 |
| GN403020 | 22 |
| GN403020/SP | 22 |
| GN404015 | 22 |
| GN404015/SP | 22 |
| GN404020 | 22 |
| GN404020/SP | 22 |
| GN404025 | 22 |
| GN404025/SP | 22 |
| GN406020 | 22 |
| GN406020/SP | 22 |
| GN406025 | 22 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|----------------|------|----------------|------|-----------------|------|
| GN406025/SP | 22 | GN608025 | 22 | GN1008030/SP | 23 |
| GN406030 | 22 | GN608025/SP | 22 | GN1008040 | 23 |
| GN406030/SP | 22 | GN608030 | 22 | GN1008040/SP | 23 |
| GN503015 | 22 | GN608030/SP | 22 | GN10010030 | 23 |
| GN503015/SP | 22 | GN6012025/PD | 24 | GN10010030/PD | 24 |
| GN503020 | 22 | GN6012025PD/SP | 24 | GN10010030/SP | 23 |
| GN503020/SP | 22 | GN6012030/PD | 24 | GN10010030PD/SP | 24 |
| GN503025 | 22 | GN6012030PD/SP | 24 | GN10010040/PD | 24 |
| GN503025/SP | 22 | GN705015 | 22 | GN10010040PD/SP | 24 |
| GN504015 | 22 | GN705015/SP | 22 | GN10012030/PD | 24 |
| GN504015/SP | 22 | GN705020 | 22 | GN10012030PD/SP | 24 |
| GN504020 | 22 | GN705020/SP | 22 | GN10012040/PD | 24 |
| GN504020/SP | 22 | GN705025 | 22 | GN10012040PD/SP | 24 |
| GN504025 | 22 | GN705025/SP | 22 | GN1206025 | 23 |
| GN504025/SP | 22 | GN705030 | 22 | GN1206025/SP | 23 |
| GN504030 | 22 | GN705030/SP | 22 | GN1206030 | 23 |
| GN504030/SP | 22 | GN804020 | 22 | GN1206030/SP | 23 |
| GN505015 | 22 | GN804020/SP | 22 | GN1206040 | 23 |
| GN505015/SP | 22 | GN804025 | 22 | GN1206040/SP | 23 |
| GN505020 | 22 | GN804025/SP | 22 | GN1208030 | 23 |
| GN505020/SP | 22 | GN804030 | 22 | GN1208030/SP | 23 |
| GN505025 | 22 | GN804030/SP | 22 | GN1208040 | 23 |
| GN505025/SP | 22 | GN806020 | 22 | GN1208040/SP | 23 |
| GN505030 | 22 | GN806020/SP | 22 | GN1209030 | 23 |
| GN505030/SP | 22 | GN806025 | 22 | GN1209030/SP | 23 |
| GN507020 | 22 | GN806025/SP | 22 | GN12010030 | 23 |
| GN507020/SP | 22 | GN806030 | 22 | GN12010030/PD | 24 |
| GN508025 | 22 | GN806030/SP | 22 | GN12010030/SP | 23 |
| GN508025/SP | 22 | GN806040 | 22 | GN12010030PD/SP | 24 |
| GN508030 | 22 | GN806040/SP | 22 | GN12010040/PD | 24 |
| GN508030/SP | 22 | GN808020 | 22 | GN12010040PD/SP | 24 |
| GN5010025/PD | 24 | GN808020/SP | 22 | GN12012025 | 23 |
| GN5010025PD/SP | 24 | GN808025 | 22 | GN12012025/PD | 24 |
| GN5010030/PD | 24 | GN808025/SP | 22 | GN12012025/SP | 23 |
| GN5010030PD/SP | 24 | GN808030 | 23 | GN12012025PD/SP | 24 |
| GN604015 | 22 | GN808030/SP | 23 | GN12012030/PD | 24 |
| GN604015/SP | 22 | GN808040 | 23 | GN12012030PD/SP | 24 |
| GN604020 | 22 | GN808040/SP | 23 | GN12012040/PD | 24 |
| GN604020/SP | 22 | GN8010020/PD | 24 | GN12012040PD/SP | 24 |
| GN604025 | 22 | GN8010020PD/SP | 24 | GN14010030/PD | 24 |
| GN604025/SP | 22 | GN8010030 | 23 | GN14010030PD/SP | 24 |
| GN604030 | 22 | GN8010030/PD | 24 | GN14010040 | 23 |
| GN604030/SP | 22 | GN8010030/SP | 23 | GN14010040/PD | 24 |
| GN605015 | 22 | GN8010030PD/SP | 24 | GN14010040/SP | 23 |
| GN605015/SP | 22 | GN8010040/PD | 24 | GN14010040PD/SP | 24 |
| GN605020 | 22 | GN8010040PD/SP | 24 | GN14012040/PD | 24 |
| GN605020/SP | 22 | GN8012030/PD | 24 | GN14012040PD/SP | 24 |
| GN605025 | 22 | GN8012030PD/SP | 24 | GNT252015 | 22 |
| GN605025/SP | 22 | GN8012040/PD | 24 | GNT252515 | 22 |
| GN605030 | 22 | GN8012040PD/SP | 24 | GNT302015 | 22 |
| GN605030/SP | 22 | GN1006025 | 23 | GNT302515 | 22 |
| GN606020 | 22 | GN1006025/SP | 23 | GNT302520 | 22 |
| GN606020/SP | 22 | GN1006030 | 23 | GNT303015 | 22 |
| GN606025 | 22 | GN1006030/SP | 23 | GNT303020 | 22 |
| GN606025/SP | 22 | GN1006040 | 23 | GNT304015 | 22 |
| GN606030 | 22 | GN1006040/SP | 23 | GNT304020 | 22 |
| GN606030/SP | 22 | GN1008025 | 23 | GNT403015 | 22 |
| GN606040 | 22 | GN1008025/SP | 23 | GNT403020 | 22 |
| GN606040/SP | 22 | GN1008030 | 23 | GNT404015 | 22 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|---------------|------|---------------|------|--------------------|------|
| GNT404020 | 22 | GNT1208030 | 23 | INX808030 | 28 |
| GNT404025 | 22 | GNT1208040 | 23 | INX808030-316 | 28 |
| GNT406020 | 22 | GNT1209030 | 23 | INX1008030 | 28 |
| GNT406025 | 22 | GNT12010030 | 23 | INX1008030-316 | 28 |
| GNT406030 | 22 | GNT12012025 | 23 | INX10010030/PD | 28 |
| GNT503015 | 22 | GNT14010040 | 23 | INX10010030/PD-316 | 28 |
| GNT503020 | 22 | GSL171 | 310 | INX12010030/PD | 28 |
| GNT503025 | 22 | GSL231 | 310 | INX12010030/PD-316 | 28 |
| GNT504015 | 22 | GSL322 | 310 | INXCH3025/1520 | 33 |
| GNT504020 | 22 | GSLT171 | 311 | INXCH4030/1520 | 33 |
| GNT504025 | 22 | GSLT231 | 311 | INXCH5040/1520 | 33 |
| GNT504030 | 22 | GSLT322 | 311 | INXCH6040/1520 | 33 |
| GNT505015 | 22 | GSV171 | 310 | INXCH6060/2530 | 33 |
| GNT505020 | 22 | GSV231 | 310 | INXCH7050/2530 | 33 |
| GNT505025 | 22 | GSV322 | 310 | INXCH8060/2530 | 33 |
| GNT505030 | 22 | GSVT171 | 311 | INXCH8080/2530 | 33 |
| GNT507020 | 22 | GSVT231 | 311 | INXCH10080/2530 | 33 |
| GNT508025 | 22 | GSVT322 | 311 | INXPIN3020 | 37 |
| GNT508030 | 22 | GSX171 | 310 | INXPIN3025 | 37 |
| GNT604015 | 22 | GSX231 | 310 | INXPIN3030 | 37 |
| GNT604020 | 22 | GSX322 | 310 | INXPIN4030 | 37 |
| GNT604025 | 22 | GSXT171 | 311 | INXPIN4040 | 37 |
| GNT604030 | 22 | GSXT231 | 311 | INXPIN4060 | 37 |
| GNT605015 | 22 | GSXT322 | 311 | INXPIN5040 | 37 |
| GNT605020 | 22 | HG02 | 219 | INXPIN6040 | 37 |
| GNT605025 | 22 | HT310 | 219 | INXPIN6050 | 37 |
| GNT605030 | 22 | IG1000/230 | 247 | INXPIN6060 | 37 |
| GNT606020 | 22 | IG1500/230 | 248 | INXPIN7050 | 37 |
| GNT606025 | 22 | IG3000/230 | 249 | INXPIN8060 | 37 |
| GNT606030 | 22 | IG3400/230 | 250 | INXPIN8080 | 37 |
| GNT606040 | 22 | IG5000/230 | 251 | INXPIN10080 | 37 |
| GNT608025 | 22 | IG7000/230 | 252 | INXPIN100100 | 37 |
| GNT608030 | 22 | IG10000/230 | 253 | INXPIN120100 | 37 |
| GNT705015 | 22 | INX302015 | 28 | INXPO3020 | 39 |
| GNT705020 | 22 | INX302015-316 | 28 | INXPO3025 | 39 |
| GNT705025 | 22 | INX302515 | 28 | INXPO3030 | 39 |
| GNT705030 | 22 | INX302515-316 | 28 | INXPO4030 | 39 |
| GNT8010030 | 23 | INX303015 | 28 | INXPO4040 | 39 |
| GNT804020 | 22 | INX303015-316 | 28 | INXPO4060 | 39 |
| GNT804025 | 22 | INX403020 | 28 | INXPO5040 | 39 |
| GNT804030 | 22 | INX403020-316 | 28 | INXPO6040 | 39 |
| GNT806020 | 22 | INX404020 | 28 | INXPO6050 | 39 |
| GNT806025 | 22 | INX404020-316 | 28 | INXPO6060 | 39 |
| GNT806030 | 22 | INX406020 | 28 | INXPO7050 | 39 |
| GNT806040 | 22 | INX406020-316 | 28 | INXPO8060 | 39 |
| GNT808020 | 22 | INX504020 | 28 | INXPO8080 | 39 |
| GNT808025 | 22 | INX504020-316 | 28 | INXPO10080 | 39 |
| GNT808030 | 23 | INX504025 | 28 | INXPO100100/PD | 39 |
| GNT808040 | 23 | INX504025-316 | 28 | INXPO120100/PD | 39 |
| GNT1006025 | 23 | INX604020 | 28 | INXT403020 | 28 |
| GNT1006030 | 23 | INX604020-316 | 28 | INXT403020-316 | 28 |
| GNT1006040 | 23 | INX605025 | 28 | INXT404020 | 28 |
| GNT1008025 | 23 | INX605025-316 | 28 | INXT404020-316 | 28 |
| GNT1008030 | 23 | INX606025 | 28 | INXT406020 | 28 |
| GNT1008040 | 23 | INX606025-316 | 28 | INXT406020-316 | 28 |
| GNT10010030 | 23 | INX705025 | 28 | INXT504020 | 28 |
| GNT1206025 | 23 | INX705025-316 | 28 | INXT504020-316 | 28 |
| GNT1206030 | 23 | INX806030 | 28 | INXT504025 | 28 |
| GNT1206040 | 23 | INX806030-316 | 28 | INXT504025-316 | 28 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|-----------------|------|---------------|------|---------------|---------|
| INXT604020 | 28 | MEB20060 | 132 | PBL3025 | 82 |
| INXT604020-316 | 28 | MEB20080 | 132 | PBL32 | 92 |
| INXT605025 | 28 | MEB22060 | 132 | PBL33 | 92 |
| INXT605025-316 | 28 | MEB22080 | 132 | PBL34 | 92 |
| INXT606025 | 28 | MEC4048 | 179 | PBL4030 | 82 |
| INXT606025-316 | 28 | MEC4072 | 179 | PBL4040 | 82 |
| INXT705025 | 28 | MEC4096 | 179 | PBL42 | 92 |
| INXT705025-316 | 28 | MEC40120 | 179 | PBL44 | 92 |
| INXT806030 | 28 | MEC40144 | 179 | PBL5040 | 82 |
| INXT806030-316 | 28 | MEL4048 | 179 | PBL6040 | 82 |
| INXT808030 | 28 | MEL4072 | 179 | PBL6050 | 82 |
| INXT808030-316 | 28 | MEL4096 | 179 | PBL63 | 92 |
| INXT1008030 | 28 | MEL40120 | 179 | PBL64 | 92 |
| INXT1008030-316 | 28 | MEL40144 | 179 | PBL66 | 92 |
| INXTEJ2015 | 36 | MEX1803040 | 137 | PBL8060 | 82 |
| INXTEJ2515 | 36 | MEX1803050 | 137 | PBL84 | 92 |
| INXTEJ3015 | 36 | MEX1803060 | 137 | PBL86 | 92 |
| INXTEJ3020 | 36 | MEX1803080 | 137 | PC600 | 158 |
| INXTEJ4020 | 36 | MEX1804040 | 137 | PC800 | 158 |
| INXTEJ5025 | 36 | MEX1804050 | 137 | PC1000 | 158 |
| INXTEJ6020 | 36 | MEX1804060 | 137 | PC1000/PD | 158 |
| INXTEJ6025 | 36 | MEX1804080 | 137 | PC1200 | 158 |
| INXTEJ6030 | 36 | MEX2003040 | 137 | PCH4030 | 83 |
| INXTEJ8030 | 36 | MEX2003050 | 137 | PCH4040 | 83 |
| INXTEJ10030 | 36 | MEX2003060 | 137 | PCH5040 | 83 |
| INXZCLA104020 | 34 | MEX2003080 | 137 | PCH6040 | 83 |
| INXZCLA105025 | 34 | MEX2004040 | 137 | PCH6050 | 83 |
| INXZCLA106020 | 34 | MEX2004050 | 137 | PCH8060 | 83 |
| INXZCLA106025 | 34 | MEX2004060 | 137 | PCH8060/5 | 83 |
| INXZCLA106030 | 34 | MEX2004080 | 137 | PCSN6PT | 286 |
| INXZCLA108030 | 34 | MEX2203060 | 137 | PCSN6PT/RR | 287 |
| INXZCLA1010030 | 34 | MEX2203080 | 137 | PCSN9PT | 286 |
| INXZCLB6040 | 104 | MEX2204060 | 137 | PCSN9PT/RR | 287 |
| INXZCLB8040 | 104 | MEX2204080 | 137 | PCSN12PT | 286 |
| INXZCLB8050 | 104 | PAT16560 | 119 | PCSN12PT/PLUS | 289-301 |
| INXZCLB10040 | 104 | PAT16580 | 119 | PCSN12PT/RR | 287 |
| INXZCLB10050 | 104 | PAT165100 | 119 | PCSN18PT | 286 |
| IR20/230 | 243 | PAT165120 | 119 | PCSN18PT/PLUS | 289-301 |
| IR35/230 | 244 | PAT18030 | 119 | PCSN18PT/RR | 287 |
| IR50/230 | 245 | PAT18040 | 119 | PCSN24PT | 286 |
| IR85/230 | 246 | PAT18060 | 119 | PCSN24PT/RR | 287 |
| KRS2006040 | 131 | PAT18080 | 119 | PCSN36PT | 286 |
| KRS2006060 | 131 | PAT180100 | 119 | PCSN36PT/RR | 287 |
| KRS2008060 | 131 | PAT180120 | 119 | PCSNPLUS | 286 |
| KRS2008080 | 131 | PAT180160 | 119 | PCSNPLUS/RR | 287 |
| KRSPL20060 | 131 | PAT20030 | 119 | PH14B0/RR | 346 |
| KRSPL20080 | 131 | PAT20040 | 119 | PH28B0/RR | 346 |
| KRSZCL106040 | 131 | PAT20060 | 119 | PH42B0/RR | 346 |
| KRSZCL106060 | 131 | PAT20080 | 119 | PIN3020 | 37 |
| KRSZCL108060 | 131 | PAT200100 | 119 | PIN3025 | 37 |
| KRSZCL108080 | 131 | PAT200120 | 119 | PIN3030 | 37 |
| LED400M | 266 | PAT200160 | 119 | PIN3040 | 37 |
| LED400T | 266 | PAT22030 | 119 | PIN4030 | 37 |
| ME401810 | 194 | PAT22040 | 119 | PIN4040 | 37 |
| ME402110 | 194 | PAT22060 | 119 | PIN4060 | 37 |
| MEB16560 | 132 | PAT22080 | 119 | PIN5030 | 37 |
| MEB16580 | 132 | PBI28 | 335 | PIN5040 | 37 |
| MEB18060 | 132 | PBI32 | 335 | PIN5050 | 37 |
| MEB18080 | 132 | PBI44 | 335 | PIN5070 | 37 |

QUICK SEARCH

| Reference No. | Page |
|---------------|------|
| PIN6040 | 37 |
| PIN6050 | 37 |
| PIN6060 | 37 |
| PIN6080 | 37 |
| PIN7050 | 37 |
| PIN8040 | 37 |
| PIN8060 | 37 |
| PIN8080 | 37 |
| PIN80100 | 37 |
| PIN80120 | 37 |
| PIN10060 | 37 |
| PIN10080 | 37 |
| PIN100100 | 37 |
| PIN100120 | 37 |
| PIN12060 | 37 |
| PIN12080 | 37 |
| PIN12090 | 37 |
| PIN120100 | 37 |
| PIN120120 | 37 |
| PIN140100 | 37 |
| PIN16560 | 149 |
| PIN16580 | 149 |
| PIN165100 | 149 |
| PIN18040 | 149 |
| PIN18060 | 149 |
| PIN18080 | 149 |
| PIN180100 | 149 |
| PIN20040 | 149 |
| PIN20060 | 149 |
| PIN20080 | 149 |
| PIN200100 | 149 |
| PIN22060 | 149 |
| PIN22080 | 149 |
| PL2520 | 30 |
| PL2525 | 30 |
| PL3020 | 30 |
| PL3025 | 30 |
| PL3030 | 30 |
| PL3040 | 30 |
| PL4030 | 30 |
| PL4040 | 30 |
| PL4060 | 30 |
| PL5030 | 30 |
| PL5040 | 30 |
| PL5050 | 30 |
| PL5070 | 30 |
| PL5080 | 30 |
| PL50100 | 30 |
| PL6040 | 30 |
| PL6050 | 30 |
| PL6060 | 30 |
| PL6080 | 30 |
| PL60120 | 30 |
| PL7050 | 30 |
| PL8040 | 30 |
| PL8060 | 30 |
| PL8080 | 30 |
| PL80100 | 30 |
| PL80120 | 30 |

| Reference No. | Page |
|---------------|---------|
| PL10060 | 30 |
| PL10080 | 30 |
| PL100100 | 30 |
| PL100120 | 30 |
| PL12060 | 30 |
| PL12080 | 30 |
| PL12090 | 30 |
| PL120100 | 30 |
| PL120120 | 30 |
| PL140100 | 30 |
| PL140120 | 30 |
| PL16560 | 126 |
| PL16580 | 126 |
| PL165100 | 126 |
| PL165120 | 126 |
| PL18040 | 126 |
| PL18060 | 126 |
| PL18080 | 126 |
| PL180100 | 126 |
| PL180120 | 126 |
| PL180160 | 126 |
| PL20040 | 126 |
| PL20060 | 126 |
| PL20080 | 126 |
| PL200100 | 126 |
| PL200120 | 126 |
| PL200160 | 126 |
| PL22040 | 126 |
| PL22060 | 126 |
| PL22080 | 126 |
| PLA16550 | 116-119 |
| PLA16560 | 116-119 |
| PLA18040 | 116-119 |
| PLA18050 | 116-119 |
| PLA18060 | 116-119 |
| PLA20040 | 116-119 |
| PLA20050 | 116-119 |
| PLA20060 | 116-119 |
| PLA20080 | 116-119 |
| PLA200100 | 116-119 |
| PLA22060 | 116-119 |
| PLA22080 | 116-119 |
| PLA220100 | 116-119 |
| PLB2520 | 31 |
| PLB2525 | 31 |
| PLB3020 | 31 |
| PLB3025 | 31 |
| PLB3030 | 31 |
| PLB3040 | 31 |
| PLB4030 | 31 |
| PLB4040 | 31 |
| PLB4060 | 31 |
| PLB5030 | 31 |
| PLB5040 | 31 |
| PLB5050 | 31 |
| PLB5070 | 31 |
| PLB6040 | 31 |
| PLB6050 | 31 |
| PLB6060 | 31 |

| Reference No. | Page |
|---------------|---------|
| PLB6080 | 31 |
| PLB7050 | 31 |
| PLB8040 | 31 |
| PLB8060 | 31 |
| PLB8080 | 31 |
| PLB80100 | 31 |
| PLB80120 | 31 |
| PLB10060 | 31 |
| PLB10080 | 31 |
| PLB100100 | 31 |
| PLB100120 | 31 |
| PLB12060 | 31 |
| PLB12080 | 31 |
| PLB12090 | 31 |
| PLB120100 | 31 |
| PLB120120 | 31 |
| PLB140100 | 31 |
| PLBA600 | 160 |
| PLBA800 | 160 |
| PLBA1000 | 160 |
| PLBA1200 | 160 |
| PLBA1600 | 160 |
| PLBE600 | 160 |
| PLBE800 | 160 |
| PLBE1000 | 160 |
| PLBE1200 | 160 |
| PLBE1600 | 160 |
| PLBI600 | 160 |
| PLBI800 | 160 |
| PLBI1000 | 160 |
| PLBI1200 | 160 |
| PLBI1600 | 160 |
| PLC450 | 181 |
| PLC600 | 181 |
| PLC1800 | 127 |
| PLC2000 | 127 |
| PLC2200 | 127 |
| PLCE3060 | 138 |
| PLCE3080 | 138 |
| PLCE4060 | 138 |
| PLCE4080 | 138 |
| PLM200 | 181-197 |
| PLM300 | 181-197 |
| PLM400 | 197 |
| PLM850 | 181 |
| PLM1050 | 181 |
| PLM1250 | 181 |
| PLM1600 | 197 |
| PLM1900 | 197 |
| PLP2040 | 126 |
| PLP2060 | 126 |
| PLP2080 | 126 |
| PLP20100 | 126 |
| PLP20120 | 126 |
| PLP3040 | 126 |
| PLP3060 | 126 |
| PLP3080 | 126 |
| PLP30100 | 126 |
| PLP30120 | 126 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|---------------|------|---------------|-------------|----------------|------|
| PLP4040 | 126 | PLU10080 | 32 | PMIR1000 | 145 |
| PLP4060 | 126 | PLU100100 | 32 | PMIR1200 | 145 |
| PLP4080 | 126 | PLU100120 | 32 | PMIR1600 | 145 |
| PLP40100 | 126 | PLU12060 | 32 | PML3025 | 82 |
| PLP40120 | 126 | PLU12080 | 32 | PML32 | 92 |
| PLP6040 | 126 | PLU12090 | 32 | PML33 | 92 |
| PLP6060 | 126 | PLU120100 | 32 | PML34 | 92 |
| PLP6080 | 126 | PLU120120 | 32 | PML4030 | 82 |
| PLP60100 | 126 | PMB400 | 144 | PML4040 | 82 |
| PLP60120 | 126 | PMB500 | 144 | PML42 | 92 |
| PLS18040 | 127 | PMB600 | 144 | PML44 | 92 |
| PLS18050 | 127 | PMB800 | 144 | PML5040 | 82 |
| PLS18060 | 127 | PMB1000 | 144 | PML5050 | 84 |
| PLS18080 | 127 | PMCB200 | 171-178-191 | PML6040 | 82 |
| PLS20040 | 127 | PMCB250 | 171-178-191 | PML6050 | 82 |
| PLS20050 | 127 | PMCB300 | 171-178-191 | PML63 | 92 |
| PLS20060 | 127 | PMCB350 | 171-178-191 | PML64 | 92 |
| PLS20080 | 127 | PME400 | 144 | PML66 | 92 |
| PLS22080 | 127 | PME500 | 144 | PML7550 | 84 |
| PLT1515 | 56 | PME600 | 144 | PML8060 | 82 |
| PLT2015 | 56 | PME800 | 144 | PML84 | 92 |
| PLT2020 | 56 | PME1000 | 144 | PML86 | 92 |
| PLT3015 | 56 | PME1200 | 144 | PML10050 | 84 |
| PLT3020 | 56 | PME1650 | 144 | PML10075 | 84 |
| PLT3030 | 56 | PME1800 | 144 | PML100100 | 84 |
| PLT4020 | 56 | PME2000 | 144 | PML12550 | 84 |
| PLT4030 | 56 | PMER400 | 144 | PML12575 | 84 |
| PLT4040 | 56 | PMER500 | 144 | PML125100 | 84 |
| PLT5020 | 56 | PMER600 | 144 | PML125125 | 84 |
| PLT5030 | 56 | PMER800 | 144 | PMP300 | 38 |
| PLT6020 | 56 | PMER1000 | 144 | PMP400 | 38 |
| PLT6030 | 56 | PMER1200 | 144 | PMP500 | 38 |
| PLT6040 | 56 | PMER1600 | 144 | PMP600 | 38 |
| PLT8020 | 56 | PMES400 | 145 | PMP800 | 38 |
| PLT8040 | 56 | PMES500 | 145 | PMP900 | 38 |
| PLU2520 | 32 | PMES600 | 145 | PMP1000 | 38 |
| PLU2525 | 32 | PMES800 | 145 | PMP1200 | 38 |
| PLU3020 | 32 | PMES1000 | 145 | PMR19/10U | 124 |
| PLU3025 | 32 | PMH400 | 163 | PMR19/15U | 163 |
| PLU3030 | 32 | PMH500 | 163 | PMT600 | 163 |
| PLU3040 | 32 | PMHR400 | 146 | PMT800 | 163 |
| PLU4030 | 32 | PMHR500 | 146 | PMT1000 | 163 |
| PLU4040 | 32 | PMHR600 | 146 | PMT1200 | 163 |
| PLU4060 | 32 | PMHR800 | 146 | PMT1600 | 163 |
| PLU5030 | 32 | PMHR1000 | 146 | PMV700 | 163 |
| PLU5040 | 32 | PMHR1200 | 146 | P02520 | 38 |
| PLU5050 | 32 | PMI400 | 145 | P02525 | 38 |
| PLU5070 | 32 | PMI500 | 145 | P03020 | 38 |
| PLU6040 | 32 | PMI600 | 145 | P03025 | 38 |
| PLU6050 | 32 | PMI800 | 145 | P03030 | 38 |
| PLU6060 | 32 | PMI1000 | 145 | P03040 | 38 |
| PLU6080 | 32 | PMI1200 | 145 | PO4030 | 38 |
| PLU7050 | 32 | PMI1650 | 145 | PO4040 | 38 |
| PLU8040 | 32 | PMI1800 | 145 | PO4060 | 38 |
| PLU8060 | 32 | PMI2000 | 145 | PO40EMP48-72 | 182 |
| PLU8080 | 32 | PMIR400 | 145 | PO40EMP72-96 | 182 |
| PLU80100 | 32 | PMIR500 | 145 | PO40EMP96-120 | 182 |
| PLU80120 | 32 | PMIR600 | 145 | PO40EMP120-168 | 182 |
| PLU10060 | 32 | PMIR800 | 145 | PO40EMP144-192 | 182 |

QUICK SEARCH

| Reference No. | Page |
|----------------|---------|
| PO40ENL192 | 198 |
| PO40ENL216 | 198 |
| PO40SUP48-72 | 172-182 |
| PO40SUP72-96 | 172-182 |
| PO40SUP96-120 | 172-182 |
| PO40SUP120-168 | 172-182 |
| PO40SUP144-192 | 172-182 |
| PO5030 | 38 |
| PO5040 | 38 |
| PO5050 | 38 |
| PO5070 | 38 |
| PO5080 | 38 |
| PO50100/PD | 38 |
| PO55SUP192 | 198 |
| PO55SUP216 | 198 |
| PO6040 | 38 |
| PO6050 | 38 |
| PO6060 | 38 |
| PO6080 | 38 |
| PO60120/PD | 38 |
| PO65SUP48-72 | 182 |
| PO65SUP72-96 | 182 |
| PO65SUP96-120 | 182 |
| PO65SUP120-168 | 182 |
| PO65SUP144-192 | 182 |
| PO7050 | 38 |
| PO8040 | 38 |
| PO8060 | 38 |
| PO8080 | 38 |
| PO80100 | 38 |
| PO80100/PD | 38 |
| PO80120/PD | 38 |
| PO10060 | 38 |
| PO10080 | 38 |
| PO100100 | 38 |
| PO100100/PD | 38 |
| PO100120/PD | 38 |
| PO12060 | 38 |
| PO12080 | 38 |
| PO12090 | 38 |
| PO120100 | 38 |
| PO120100/PD | 38 |
| PO120120 | 38 |
| PO120120/PD | 38 |
| PO140100 | 38 |
| PO140100/PD | 38 |
| PO140120/PD | 38 |
| PO16560 | 120-148 |
| PO16580 | 120-148 |
| PO165100 | 120-148 |
| PO18030 | 120-148 |
| PO18040 | 120-148 |
| PO18060 | 120-148 |
| PO18080 | 120-148 |
| PO180100 | 120-148 |
| PO20030 | 120-148 |
| PO20040 | 120-148 |
| PO20060 | 120-148 |
| PO20080 | 120-148 |

| Reference No. | Page |
|---------------|---------|
| PO200100 | 120-148 |
| PO22030 | 120-148 |
| PO22040 | 120-148 |
| PO22060 | 120-148 |
| PO22080 | 120-148 |
| PODCS165100 | 120-148 |
| PODCS165120 | 120-148 |
| PODCS180100 | 120-148 |
| PODCS180120 | 120-148 |
| PODCS180160 | 120-148 |
| PODCS200100 | 120-148 |
| PODCS200120 | 120-148 |
| PODCS200160 | 120-148 |
| POL302514 | 78 |
| POL302514PT | 78 |
| POL403020 | 78 |
| POL403020PT | 78 |
| POL404020 | 78 |
| POL404020PT | 78 |
| POL504020 | 78 |
| POL504020PT | 78 |
| POL505030 | 80 |
| POL505030/A | 80 |
| POL505030/T | 81 |
| POL604023 | 78 |
| POL604023PT | 78 |
| POL605023 | 78 |
| POL605023PT | 78 |
| POL755030 | 80 |
| POL755030/A | 80 |
| POL755030/T | 81 |
| POL806030 | 78 |
| POL806030PT | 78 |
| POL1005030 | 80 |
| POL1005030/A | 80 |
| POL1005030/T | 81 |
| POL1007530 | 80 |
| POL1007530/A | 80 |
| POL1007530/T | 81 |
| POL1007542 | 80 |
| POL1007542/A | 80 |
| POL1007542/T | 81 |
| POL10010030 | 80 |
| POL10010030/A | 80 |
| POL10010030/T | 81 |
| POL10010042 | 80 |
| POL10010042/A | 80 |
| POL10010042/T | 81 |
| POL1255030 | 80 |
| POL1255030/A | 80 |
| POL1255030/T | 81 |
| POL1257530 | 80 |
| POL1257530/A | 80 |
| POL1257530/T | 81 |
| POL1257542 | 80 |
| POL1257542/A | 80 |
| POL1257542/T | 81 |
| POL12510030 | 80 |
| POL12510030/A | 80 |

| Reference No. | Page |
|---------------|------|
| POL12510030/T | 81 |
| POL12510042 | 80 |
| POL12510042/A | 80 |
| POL12510042/T | 81 |
| POL12512530 | 80 |
| POL12512530/A | 80 |
| POL12512530/T | 81 |
| POL12512542 | 80 |
| POL12512542/A | 80 |
| POL12512542/T | 81 |
| POME1810 | 198 |
| POME2110 | 198 |
| PPAP600 | 146 |
| PPAP800 | 146 |
| PPAP1000 | 146 |
| PPI400 | 146 |
| PPI500 | 146 |
| PPI600 | 146 |
| PPI800 | 146 |
| PPIN4030 | 82 |
| PPIN4040 | 82 |
| PPIN5040 | 82 |
| PPIN6040 | 82 |
| PPIN6050 | 82 |
| PPIN8060 | 82 |
| PPL3025 | 82 |
| PPL32 | 92 |
| PPL33 | 92 |
| PPL34 | 92 |
| PPL4030 | 82 |
| PPL4040 | 82 |
| PPL42 | 92 |
| PPL44 | 92 |
| PPL5040 | 82 |
| PPL5050 | 84 |
| PPL6040 | 82 |
| PPL6050 | 82 |
| PPL63 | 92 |
| PPL64 | 92 |
| PPL66 | 92 |
| PPL7550 | 84 |
| PPL8060 | 82 |
| PPL84 | 92 |
| PPL86 | 92 |
| PPL10050 | 84 |
| PPL10075 | 84 |
| PPL100100 | 84 |
| PPL12550 | 84 |
| PPL12575 | 84 |
| PPL125100 | 84 |
| PPL125125 | 84 |
| PS800 | 158 |
| PS1000 | 158 |
| PS1200 | 158 |
| PS1600 | 158 |
| PSC600 | 158 |
| PSC800 | 158 |
| PSC1000 | 158 |
| PSC1200 | 158 |

QUICK SEARCH

| Reference No. | Page |
|----------------|---------|
| PSC1600 | 158 |
| PSI3040 | 118 |
| PSI3050 | 118 |
| PSI3060 | 118 |
| PSI3080 | 118 |
| PSI4040 | 118 |
| PSI4050 | 118 |
| PSI4060 | 118 |
| PSI4080 | 118 |
| PSI6040 | 118 |
| PSI6050 | 118 |
| PSI6060 | 118 |
| PSI6080 | 118 |
| PSI60100 | 118 |
| PSI8040 | 118 |
| PSI8050 | 118 |
| PSI8060 | 118 |
| PSI8080 | 118 |
| PSI80100 | 118 |
| PSI10040 | 118 |
| PSI10050 | 118 |
| PSI10060 | 118 |
| PSI10080 | 118 |
| PSI12040 | 118 |
| PSI12050 | 118 |
| PSI12060 | 118 |
| PSI12080 | 118 |
| PSI16040 | 118 |
| PSI16050 | 118 |
| PT16560 | 148 |
| PT16580 | 148 |
| PT18060 | 148 |
| PT18080 | 148 |
| PT20060 | 148 |
| PT20080 | 148 |
| PT22080 | 148 |
| PT40EMP48-72 | 182 |
| PT40EMP72-96 | 182 |
| PT40EMP96-120 | 182 |
| PT40EMP120-168 | 182 |
| PT40EMP144-192 | 182 |
| PT40ENL192 | 198 |
| PT40ENL216 | 198 |
| PT40SUP48-72 | 172-182 |
| PT40SUP72-96 | 172-182 |
| PT40SUP96-120 | 172-182 |
| PT40SUP120-168 | 172-182 |
| PT40SUP144-192 | 172-182 |
| PT55SUP192 | 198 |
| PT55SUP216 | 198 |
| PT65SUP48-72 | 182 |
| PT65SUP72-96 | 182 |
| PT65SUP96-120 | 182 |
| PT65SUP120-168 | 182 |
| PT65SUP144-192 | 182 |
| PTDCA165100 | 149 |
| PTDCA165120 | 149 |
| PTDCA180100 | 149 |
| PTDCA180120 | 149 |

| Reference No. | Page |
|---------------|------|
| PTDCA200100 | 149 |
| PTDCA200120 | 149 |
| PTDCA220100 | 149 |
| PTDCA220120 | 149 |
| PTDCS165100 | 149 |
| PTDCS165120 | 149 |
| PTDCS180100 | 149 |
| PTDCS180120 | 149 |
| PTDCS200100 | 149 |
| PTDCS200120 | 149 |
| PTDCS220100 | 149 |
| PTDCS220120 | 149 |
| PV1650 | 118 |
| PV1800 | 118 |
| PV2000 | 118 |
| PV2200 | 118 |
| PVB1650 | 146 |
| PVB1800 | 146 |
| PVB2000 | 146 |
| RC155V | 214 |
| RC255V | 214 |
| RC505V | 215 |
| RC755V | 215 |
| RC100SV | 216 |
| RC150SV | 216 |
| RC250CV | 217 |
| RC500CV | 217 |
| RF93 | 212 |
| RF123 | 212 |
| RF222 | 213 |
| RF290 | 213 |
| ROC32APO | 90 |
| ROC32APT | 90 |
| ROC32PO | 90 |
| ROC32PT | 90 |
| ROC33PO | 90 |
| ROC33PT | 90 |
| ROC34APO | 90 |
| ROC34APT | 90 |
| ROC34PO | 90 |
| ROC34PT | 90 |
| ROC42PO | 90 |
| ROC42PT | 90 |
| ROC44APO | 90 |
| ROC44APT | 90 |
| ROC44PO | 90 |
| ROC44PT | 90 |
| ROC63APO | 90 |
| ROC63APT | 90 |
| ROC63PO | 90 |
| ROC63PT | 90 |
| ROC64APO | 90 |
| ROC64APT | 90 |
| ROC64PO | 90 |
| ROC64PT | 90 |
| ROC66APO | 90 |
| ROC66APT | 90 |
| ROC66PO | 90 |
| ROC66PT | 90 |

| Reference No. | Page |
|---------------|-------------|
| ROC84PO | 90 |
| ROC84PT | 90 |
| ROC86PO | 90 |
| ROC86PT | 90 |
| S48M200 | 172-173-174 |
| S48P200 | 172-173-174 |
| S72M150 | 172-173-174 |
| S72M200 | 172-173-174 |
| S72P150 | 172-173-174 |
| S72P200 | 172-173-174 |
| S96M150 | 172-173-174 |
| S96M200 | 172-173-174 |
| S96P150 | 172-173-174 |
| S96P200 | 172-173-174 |
| S120M150 | 172-173-174 |
| S120M200 | 172-173-174 |
| S120P150 | 172-173-174 |
| S120P200 | 172-173-174 |
| S144M200 | 172-173-174 |
| S144P200 | 172-173-174 |
| S168M150 | 172-173-174 |
| S168P150 | 172-173-174 |
| S192M150 | 172-173-174 |
| S192P150 | 172-173-174 |
| SBF19 | 140 |
| SIL14PO | 341 |
| SIL14PO/PH | 340 |
| SIL28PO | 341 |
| SIL28PO/PH | 340 |
| SIL42PO | 341 |
| SIL42PO/PH | 340 |
| SIL56PO | 341 |
| SIL56PO/PH | 340 |
| SIL70PO | 341 |
| SIL70PO/PH | 340 |
| SP150 | 32 |
| SP200 | 32 |
| SP250 | 32 |
| SP300 | 32 |
| SP400 | 32 |
| SV4100 | 125 |
| T06 | 35-57 |
| T07 | 35-57 |
| T08 | 35-57 |
| T09 | 35-57 |
| T11 | 35-57 |
| T12 | 35-57 |
| T13 | 35-57 |
| TC50 | 171-178-191 |
| TC150 | 171-178-191 |
| TC200 | 171-178-191 |
| TCA1560 | 135 |
| TCA1580 | 135 |
| TCA2060 | 135 |
| TCA2080 | 135 |
| TCA20100 | 135 |
| TCA3060 | 135 |
| TCA3080 | 135 |
| TCA4060 | 135 |

QUICK SEARCH

| Reference No. | Page | Reference No. | Page | Reference No. | Page |
|---------------|-------------|---------------|-------------|---------------|-------------|
| TCA4080 | 135 | TEJ5015 | 36 | TMF1580 | 134 |
| TCA6060 | 135 | TEJ5020 | 36 | TMF15100 | 134 |
| TCA6080 | 135 | TEJ5025 | 36 | TMF2060 | 134 |
| TCB1U | 142 | TEJ5030 | 36 | TMF2080 | 134 |
| TCB2U | 142 | TEJ6020 | 36 | TMF20100 | 134 |
| TCB3U | 142 | TEJ6025 | 36 | TMF3060 | 134 |
| TCB4U | 142 | TEJ6030 | 36 | TMF3080 | 134 |
| TCB6U | 142 | TEJ6040 | 36 | TMF30100 | 134 |
| TCB9U | 142 | TEJ7020 | 36 | TMF4060 | 134 |
| TCB10U | 142 | TEJ8020 | 36 | TMF4080 | 134 |
| TCB12U | 142 | TEJ8025 | 36 | TMF40100 | 134 |
| TCF0560 | 134 | TEJ8030 | 36 | TMM150F | 171-178-191 |
| TCF0580 | 134 | TEJ8040 | 36 | TMM200F | 171-178-191 |
| TCF05100 | 134 | TEJ10020 | 36 | TMM300F | 171-178-191 |
| TCF1060 | 134 | TEJ10025 | 36 | TMM400F | 171-178-191 |
| TCF1080 | 134 | TEJ10030 | 36 | TS01 | 218 |
| TCF10100 | 134 | TEJ10040 | 36 | TS02 | 218 |
| TCF1560 | 134 | TEJ12025 | 36 | TS0815 | 35 |
| TCF1580 | 134 | TEJ12030 | 36 | TS0820 | 35 |
| TCF15100 | 134 | TEJ12040 | 36 | TS0830 | 35 |
| TCF2060 | 134 | TF0820 | 35 | TS1423 | 35 |
| TCF2080 | 134 | TF0830 | 35 | TS1430 | 35 |
| TCF20100 | 134 | TF1423 | 35 | TS1440 | 35 |
| TCF3030 | 137 | TF1430 | 35 | TS1450 | 35 |
| TCF3040 | 137 | TF1440 | 35 | TS1470 | 35 |
| TCF3060 | 134 | TF1450 | 35 | TS1490 | 35 |
| TCF3080 | 134 | TF1470 | 35 | TVN6040 | 152 |
| TCF30100 | 134 | TF1490 | 35 | TVN6050 | 152 |
| TCF4030 | 137 | TFL21 | 35-57 | TVN6060 | 152 |
| TCF4040 | 137 | TLZCL1040 | 143-162 | TVN6080 | 152 |
| TCF4060 | 134 | TLZCL1050 | 143-162 | TVN8040 | 152 |
| TCF4080 | 134 | TLZCL1060 | 143 | TVN8050 | 152 |
| TCF40100 | 134 | TLZCL1080 | 143 | TVN8060 | 152 |
| TCF6030 | 137 | TLZCL10100 | 143 | TVN8080 | 152 |
| TCF6040 | 137 | TLZCL2040 | 143-162 | TVN10040 | 152 |
| TCF6060 | 134 | TLZCL2050 | 143-162 | TVN10050 | 152 |
| TCF6080 | 134 | TLZCL2060 | 143 | TVN10060 | 152 |
| TCF60100 | 134 | TLZCL2080 | 143 | TVN10080 | 152 |
| TCF16030 | 137 | TLZCL20100 | 143 | TVN12040 | 152 |
| TCF16040 | 137 | TM150 | 171-178-191 | TVN12050 | 152 |
| TCF18030 | 137 | TM200 | 171-178-191 | TVN12060 | 152 |
| TCF18040 | 137 | TMA1560 | 134 | TVN12080 | 152 |
| TCFL21 | 35-57 | TMA1580 | 134 | TVN16040 | 152 |
| TCM50F | 171-178-191 | TMA15100 | 134 | TVN16050 | 152 |
| TCM150F | 171-178-191 | TMA2060 | 134 | VF113DC | 209 |
| TCM200F | 171-178-191 | TMA2080 | 134 | VF1395AC | 207 |
| TCM300F | 171-178-191 | TMA20100 | 134 | VF224AC | 204 |
| TCM400F | 171-178-191 | TMA3060 | 134 | VF245DC | 210 |
| TD03 | 218 | TMA3080 | 134 | VF280AC | 205 |
| TEJ2015 | 36 | TMA30100 | 134 | VF34AC | 202 |
| TEJ2515 | 36 | TMA4060 | 134 | VF60DC | 208 |
| TEJ2520 | 36 | TMA4080 | 134 | VF637AC | 206 |
| TEJ3015 | 36 | TMA40100 | 134 | VF92AC | 203 |
| TEJ3020 | 36 | TMB3U | 142 | VT1020 | 211 |
| TEJ3025 | 36 | TMCB200 | 171-178-191 | VT484 | 211 |
| TEJ4015 | 36 | TMCB250 | 171-178-191 | VT730 | 211 |
| TEJ4020 | 36 | TMCB300 | 171-178-191 | ZCL1030 | 143 |
| TEJ4025 | 36 | TMCB400 | 171-178-191 | ZCL1040 | 143 |
| TEJ4030 | 36 | TMF1560 | 134 | ZCL1050 | 143 |

QUICK SEARCH

| Reference No. | Page |
|---------------|---------|
| ZCL1060 | 143-162 |
| ZCL1080 | 143-162 |
| ZCL10100 | 143-162 |
| ZCL10120 | 143-162 |
| ZCL10160 | 143-162 |
| ZCL2030 | 143 |
| ZCL2040 | 143 |
| ZCL2050 | 143 |
| ZCL2060 | 143-162 |
| ZCL2080 | 143-162 |
| ZCL20100 | 143-162 |
| ZCL20120 | 143-162 |
| ZCL20160 | 143-162 |
| ZCL2T1040 | 143 |
| ZCL2T1050 | 143 |
| ZCL2T1060 | 143-162 |
| ZCL2T1080 | 143-162 |
| ZCL2T10100 | 143-162 |
| ZCL2T10120 | 143-162 |
| ZCLA106020 | 34 |
| ZCLA106025 | 34 |
| ZCLA106030 | 34 |
| ZCLA106040 | 34 |
| ZCLA108020 | 34 |
| ZCLA108025 | 34 |
| ZCLA108030 | 34 |
| ZCLA108040 | 34 |
| ZCLA1010025 | 34 |
| ZCLA1010030 | 34 |
| ZCLA1010040 | 34 |
| ZCLA1012025 | 34 |
| ZCLA1012030 | 34 |
| ZCLA1012040 | 34 |
| ZCLA206020 | 34 |
| ZCLA206025 | 34 |
| ZCLA206030 | 34 |
| ZCLA206040 | 34 |
| ZCLA208020 | 34 |
| ZCLA208025 | 34 |
| ZCLA208030 | 34 |
| ZCLA208040 | 34 |
| ZCLA2010025 | 34 |
| ZCLA2010030 | 34 |
| ZCLA2010040 | 34 |
| ZCLA2012025 | 34 |
| ZCLA2012030 | 34 |
| ZCLA2012040 | 34 |
| ZCLV2040 | 142 |
| ZCLV2050 | 142 |
| ZCLV2060 | 142 |
| ZCLV2080 | 142 |
| ZCLV20100 | 142 |
| ZCLV20120 | 142 |
| ZOC5030/P | 85 |
| ZOC7530/P | 85 |
| ZOC7542/P | 85 |
| ZOC10030/P | 85 |
| ZOC10042/P | 85 |
| ZOC12530/P | 85 |
| ZOC12542/P | 85 |

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.

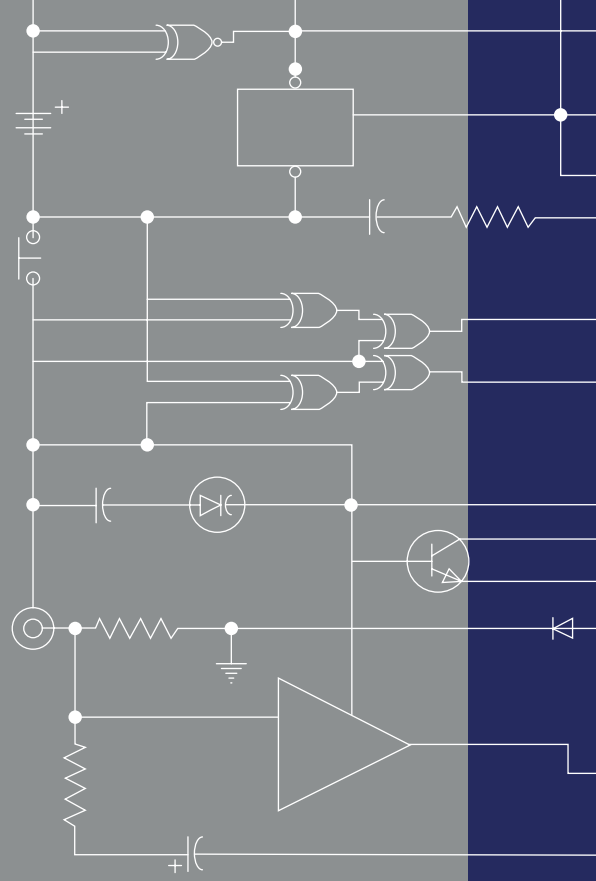
All goods manufactured by **IDE ELECTRIC S.L.** are GUARANTEED according to the current directives. In order to benefit from any such guarantee the BUYER should report the defect to **IDE ELECTRIC S.L.** immediately.

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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