

CORPORATE **BROCHURE**



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IDE ELECTRIC

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Over 30 years serving the electrical sector

IDE ELECTRIC manufactures plastic enclosures, metal cabinets and industrial sockets for low-voltage electricity distribution and the telecommunications sector.

Its products are fully manufactured at its factory in Zaragoza (Spain). The company prioritises innovation, quality and the development of technology for products and production processes, making it one of the leading brands for electrical materials in the international electricity market.

Head Office

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SAFETY, RELIABILITY AND DESIGN FOR ALL ENVIROMENTS





www.ide.es

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.

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.



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

- Catalogues and technical data.
- Certificates.
- 2D and 3D drawings.
- Latest news and events.

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

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

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

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.



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.

Industrial cabinets

Wall-mounting cabinets

Cabinets for industrial environments, available in different raw-materials, with different levels of protection and different strengths to meet the specific needs of each application.



ARGENTA SERIES

IP66 Rolled steel wall-mounting cabinets



ARGENTA INOX SERIES

IP66 AISI 304L-316L Stainless steel wall-mounting cabinets

Industrial environments

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

Dimensions:

- From 250x200x150 to 1400x1200x400 mm.

Material:

- Cold-rolled steel.
- Polyester paint with UV protection. Embossed, grey RAL 7035.
- Injected polyurethane sealing gasket.

Technical characteristics:

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



Industrial environments with extremely aggressive agents or saline environments

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

Dimensions:

- From 300x200x150 to 1000x800x300 mm.

Material:

- AISI 304L Stainless steel (food environments).
- AISI 316L Stainless steel (marine or chlorinated 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

ATEX AISI 304L-316L stainless steel or rolled steel cabinets



Environments with potentially explosive atmospheres

Recommended applications: 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.

Dimensions:

- From 300x200x150 to 1000x800x300 mm.

Grey RAL 7035 Rolled steel cabinets:

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

AISI 304L and 316L stainless steel cabinets:

- Degree of protection: IP66 – NEMA 1, 4, 4x, 12.
- Resistance to impact: IK10.
- ATEX Classification: II 2G-Ex e IIC Gb – II 2D Ex tb IIIC Db.
- Certified by DEKRA under IECEx Certificate: Injected silicone rubber gasket (-55 °C / +100 °C).



GLASS SERIES

IP66-IP55 Polyester cabinets

Industrial environments and outdoor facilities

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

Dimensions:

- From 300x250x140 to 1250x1250x420 mm.

Material:

- Fibreglass-reinforced polyester with UV protection.
- Colour: grey RAL 7035.

Technical characteristics:

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



Cabinets for the most professional sector

Floor-standing steel cabinets

Manufactured in cold-rolled steel and coated in RAL 7035 grey polyester paint for the professional market. The patented inner profiles give the cabinet a high level of stability. Allows the installation of all types of electrical switchgear for maximum versatility.

ARGENTA PLUS SERIES



COMPACT (BIG)

IP55-IP65 Steel Compact
Floor-standing Cabinets

SEMI-COMPACT (FSC)

IP55-IP65 Steel Semi-compact
Floor-standing Cabinets

COMBINABLE (ENL)

IP55 Steel Combinable
Floor-standing Cabinets

- Body manufactured in one piece with welded back panel.
- Supplied with mounting plate.
- Non-detachable version.
- Also available in stainless steel.

Dimensions:

- Height: 1650-1800-2000 mm.
- Width: 600-800-1000-1200 mm.
- Depth: 450-500 mm.

Technical characteristics:

- Degree of protection:
IP65 / NEMA 1, 12, 4 (single door).
IP55 / NEMA 1, 12 (double door).
- Resistance to impact: IK10.

- Designed for maximum robustness, allowing the installation of all types of switchgear.
- Request mounting plate.
- Non-detachable version.

Dimensions:

- Height: 1650-1800-2000 mm.
- Width: 600-800-1000-1200-1600 mm.
- Depth: 400-500 mm.

Technical characteristics:

- Degree of protection:
IP65 / NEMA 1, 12, 4 (single door).
IP55 / NEMA 1, 12 (double door).
- Resistance to impact: IK10.

- Designed for maximum versatility.
- Mounting plate and side panels are supplied as accessories.
- Detachable version.

Dimensions:

- Height: 1650-1800-2000-2200 mm.
- Width: 600-800-1000-1200-1600 mm.
- Depth: 400-500-600-800-1000 mm.

Technical characteristics:

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



Serial production for professional engineering, robotics and automation projects



IP55 PC CONTROL CABINET

Metal cabinet designed to house IT equipment in industrial environments. Manufacturing and production companies with high levels of humidity and impurity in the air.

Dimensions:

- 1650x600x600 mm.
- 1650x600x800 mm.

Technical characteristics:

- Degree of protection: IP55.
- Resistance to impact: IK10.
- Partial upper door with glass for 19" display.
- Display tray included.
- Retractable keyboard tray.
- Space for CPU, printers, etc.
- Keyboard cover with keyless wing nut lock.



IP55 COMBINABLE CABINETS WITH SWING FRAME

Combinable cabinets 19" RACK-type, available from 36 to 45 U.

Dimensions:

- Height: 1800-2000-2200 mm.
- Width: 800-1000 mm.
- Depth: 600-800 mm.

Technical characteristics:

- Degree of protection: IP55.
- Resistance to impact: IK10 / IK09.
- Including 19" swing frame, reversible, retainer.
- Assymetrical transparent door with 180° of maximum opening.
- Door supplied with 4-point lock and frame supplied with pressure insert lock.



Boxes and control desks for the industrial sector

Steel terminal boxes

Available in different materials, with different levels of protection and different strengths to meet the specific needs of each environment.



TECNO SERIES

IP66 Rolled steel terminal boxes

TECNO INOX SERIES

IP66 AISI 304L-316L stainless steel terminal boxes

TECNO ATEX SERIES

AISI 304L and 316L stainless steel ATEX terminal boxes



Industrial environments

Dimensions:

- From 150x150x90 to 800x200x135 mm

Material:

- Cold-rolled steel.
- Polyester paint with UV protection Embossed grey RAL 7035.
- Injected polyurethane sealing gasket.

Technical characteristics:

- Degree of protection: IP66 - NEMA 1, 12.
- Resistance to impact: IK10.



Industrial environments with extremely aggressive agents or saline environments

Dimensions:

- From 150x150x90 mm to 500x300x135 mm.

Material:

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

Technical characteristics:

- Degree of protection: IP66 - NEMA 1, 4, 4x, 12.
- Resistance to impact: IK10.



Environments with potentially explosive atmospheres

Dimensions:

- From 150x150x135 mm to 400x400x135 mm.

Material:

- AISI 304L Stainless steel (food environments).
- AISI 316L Stainless steel (marine environments).
- Injected silicone rubber gasket.

Technical characteristics:

- Degree of protection: IP66 - NEMA 1, 4, 4x, 12.
- Resistance to impact: IK10.
- ATEX Classification: II 2G-Ex e IIC Gb – II 2D Ex tb IIIC Db.
- Certified by DEKRA under IECex Certificate: Boxes with injected silicone rubber gasket (-55 °C/ +100 °C).



Intended for the industrial sector for machinery control



ROC SERIES

IP66 Polyester double isolation boxes

Industrial environments and outdoor facilities

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

Dimensions:

- From 270x180x140 mm (3x2 modules) to 720x540x201 mm (8x6 modules).

Material:

- Fibreglass-reinforced polyester.
- Colour grey RAL 7035.

Technical characteristics:

- Degree of protection: IP66.
- Resistance to impact: IK09.



BALTIC SERIES

IP55 Steel desks

Industrial environments

Recommended applications: Industrial environments where a high degree of protection against dust, splattering and impacts is required.

Range of product:

- Desks with control and synoptic panel.
- Desks with control panel.
- Desks with synoptic panel.

Material:

- Cold-rolled steel.
- Polyester paint with UV protection. Embossed grey RAL 7035.
- Injected polyurethane sealing gasket.

Technical characteristics:

- Degree of protection: IP55.
- Resistance to impact: IK10.



Cabinets for the tertiary and residential sector

Steel distribution cabinets

The Atlantic series has a wide range of models to allow the creation of custom electrical panels. With an extensive modular capacity, it is designed for the creation of low-voltage distribution panels.



ATLANTIC SERIES

IP40-IP65 Distribution cabinets (48-192 modules)

Tertiary and residential sector

Recommended applications: shops, department stores, schools, offices, etc. The robust nature of these cabinets is supported by the thickness of the materials, with an innovative design to ensure quality and safety.

Range of products: (available in four versions)

- IP40 Surface combinable cabinets.
- IP40 Surface compact cabinets.
- IP65 Surface compact cabinets.
- IP40 Flush-fit cabinets.

Modular capacity:

- From 48 to 192 modules.

Material:

- Cold-rolled steel.
- White epoxy-polyester paint embossed RAL 9003.
- Injected polyurethane sealing gasket.

Technical characteristics:

- Cabinets supplied without lids or DIN rail to afford the installer modular versatility.
- Specific modular cover kit for each cabinet size supplied as accessory.
- Possibility of opaque or transparent door.
- Link structures and auxiliary modules.
- Moulded-case circuit breaker (MCCB) mounting system.

Elegance and functionality intended for the tertiary sector



ATLANTIC PLUS SERIES IP40-IP55 Distribution cabinets (192-288 modules)

Large-scale installations for the tertiary and residential sector

Recommended applications: Designed to meet the needs of large-scale installations whose construction features require a specific type of highly modular cabinet for average installed capacities.

Range of products: (available in two versions)

- IP40 Surface combinable cabinets.
- IP55 Surface compact cabinets.

Modular capacity:

- From 192 to 288 modules.

Material:

- Cold-rolled steel.
- White epoxy-polyester paint, embossed RAL 9003.
- Injected polyurethane sealing gasket.

Technical characteristics:

- Hinged modular frame for fitting covers.
- Cabinets supplied without lids or DIN rail to afford the installer modular versatility.
- Plinth included in all references.
- Possibility of opaque or transparent door.
- Link structures and auxiliary modules.
- Moulded-case circuit breaker (MCCB) mounting system.

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

Technical characteristics:

- Degree of protection: IP65.
- Capacity of 6, 8, 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 with UV protection.
- Halogen-free plastic materials.



ECOLOGY SERIES

IP65 Distribution boxes

Technical characteristics:

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

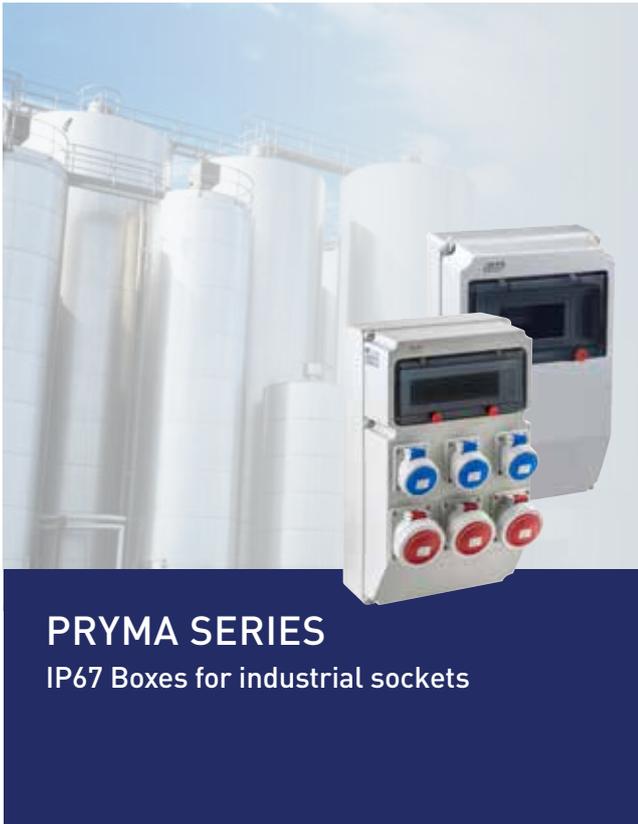


ECO-STAR SYSTEM

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

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 with UV protection.
- Halogen-free plastic materials.



LIGHT SERIES
IP65-IP67 Watertight junction boxes

Boxes intended for electrical junctions or for watertight trunking boxes, in outdoor and 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 rubber, RAL 7035.
- Opaque or transparent cover.
- Halogen-free plastic materials.
- This series is completed with the motor-protection with high cover.



Special assemblies

Any assembly combination can be supplied, with no minimum order quantity

How to proceed



1. SELECT THE NUMBER OF BOXES.



2. CHOOSE THE POWER SOCKETS.



3. INDICATE THE REQUIRE PROTECTION.



4. SUBMIT ALL THE INFORMATION TO OUR TECHNICAL DEPARTMENT.



PRYMA SERIES
IP67 boxes for industrial sockets



STAR SERIES
IP65 boxes for industrial sockets



ASSEMBLIES FOR CONSTRUCTION SITES
IP65 Steel cabinets with power sockets

You can request a quotation and technical assessment at export@ide.es

Different possibilities



IP67 sets.



Boxes with sockets and protections.



Combination between distribution boxes and boxes with power sockets.

Industrial plugs and sockets

Wide range of industrial plugs and sockets manufactured in accordance with the most demanding national and international standards so they can be distributed and installed in all markets.

They are intended for installation in places requiring power points for fixed machinery, portable tools or auxiliary electrical equipment.



SCHUKO-TYPE

IP44 – IP54 – IP67 – IP68

LOW VOLTAGE

IP44 – IP67

INTERLOCKING

IP44 – IP67

Range of products:

- Schuko-Type: IP44 - IP54 - IP67 - IP68.
- Low voltage: IP44 - IP67.
- Extra low voltage: IP44.
- Interlocking: IP44 - IP67.

Material:

- Plastic parts: Polyamide 6.
- Contacts: Copper-zinc alloy.
- Halogen-free plastic materials.

Range of products: From 16 to 125 A, and from 24 to 500 V.

Current: 16A – 32A – 63A – 125A.

Voltage: 24V – 42V – 110V- 250V – 380V – 500V.

Poles: 2P+E – 3P+E – 3P+N+E.

Technical 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 and chemical products.

Technical characteristics of the contacts:

- High capacity electrical conduction: 15 mm²/(Ω mm²).
- High corrosion resistance in industrial areas.

Boxes designed for the tertiary and residential sector

Distribution boxes

A wide range of plastic boxes for the tertiary and residential sector. Manufactured in the highest quality ABS and available in different versions to meet the needs of all types of installation.



COMBI-ORO SERIES

IP40 Surface and flush fit distribution boxes

SILVER SERIES

IP40 Flush-fit distribution boxes with steel door

HABITAT SERIES

IP30 Flush-fit distribution boxes with plastic door

Technical characteristics:

- Boxes available for surface (Combi series) and to be flush-fitted (Oro series).
- Modular capacity from 4 to 84 modules.
- Made of white ABS, RAL 9003.
- Halogen-free plastic materials.
- Terminal boxes available in 2 and 4 sealable modules.

Technical characteristics:

- Boxes available for brick walls and for hollow walls (/PH version).
- Modular capacity from 12 to 70 modules.
- Frame and door in white steel, RAL 9003.
- White plastic base, RAL 9003.
- Halogen-free plastic materials.
- Neutral and earth bars included in all references.

Technical characteristics:

- Boxes available for brick walls (EM version) and for hollow walls (PH version).
- Modular capacity from 14 to 42 modules.
- Frame and door in white ABS, RAL 9003.
- Base in grey PS, RAL 7035.
- Halogen-free plastic materials.
- Neutral and earth bars included in all references.

Boxes designed for indoor installations:
apartments, houses, offices, hotels.



DOMOS-K SERIES

Mechanism and junction boxes
for hollow walls

DOMOS SERIES

Mechanism and junction boxes
for brick walls

VERDI SERIES

IP40-IP55 Surface boxes and
mechanisms

Technical characteristics:

- Mechanism boxes of a 70-mm crown.
- Screws for mounting in hollow walls are supplied assembled in all references.
- References with 1, 2 and 3 crowns have double injection elastic entries.
- Made of yellow self-extinguishing PVC (Pb free).

Technical characteristics:

- Available in two versions: with plastic claw or metal screw blanking cover.
- Enclosure for 60-mm mechanisms (Ref. D88).
- Base in black PS and cover in white PS RAL 9003.
- Halogen-free plastic materials.
- Easily removed knock-out entries for conduits and slots in the base for fitting internal components.

Technical characteristics:

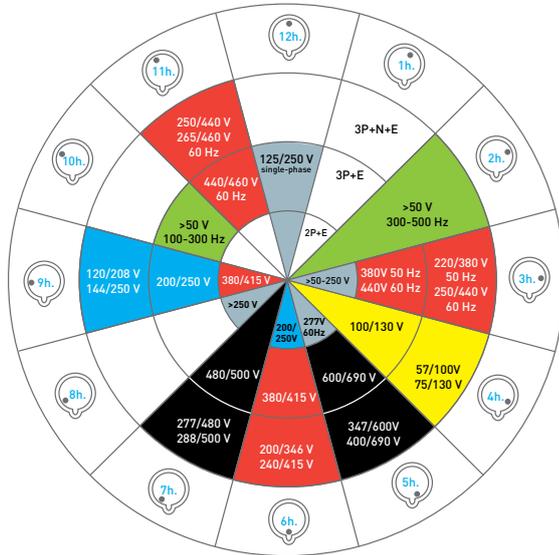
- Flexible membrane that facilitates wiring, with sections of up to 6 mm.
- They include captive screws, and their ergonomic design allows a quick pressure installation.
- The mechanisms are guaranteed for more than 40,000 manoeuvres.

Relevant information

International colour and reference code

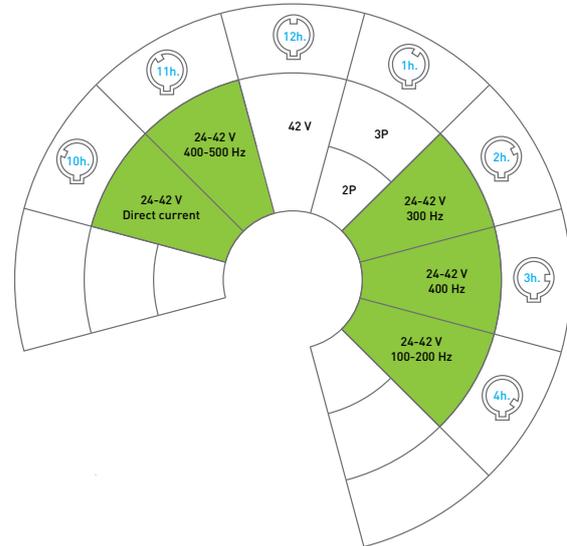
Low Voltage Elements

Earth contact according to the position clockwise from top.



Extra Low Voltage Elements

Auxiliary entry guide.



Colour codes. 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.

Voltage	Colour code
20-25 V	Violet
40-50 V	White
100-130 V	Yellow
200-250 V	Blue

Voltage	Colour code
380-480 V	Red
500-690 V	Black
>60-500 Hz	Green
no code	Grey

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

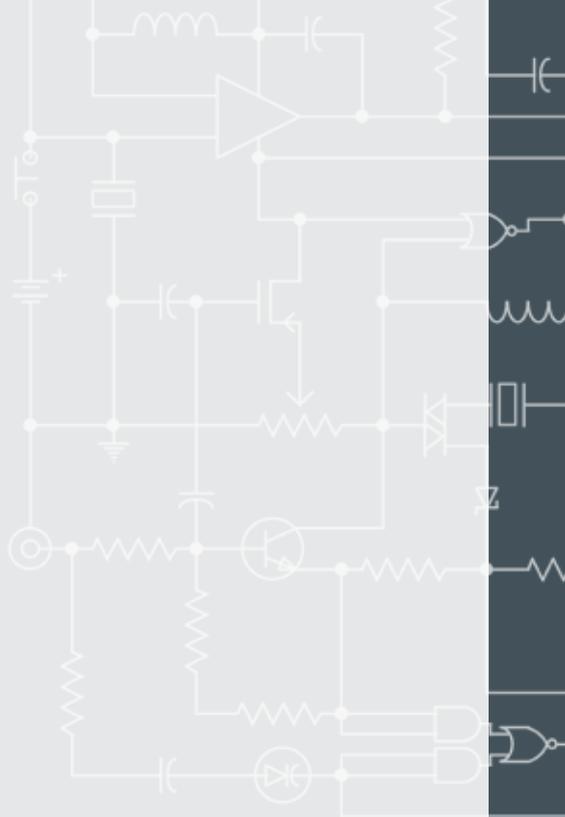
IP X0	IP X1	IP X2	IP X3	IP X4	IP X5	IP X6	IP X7	IP X8
	Vertical fall of water drops (condensation)	Water fall up to 15° from the vertical	Rain water up to 60° from the vertical	Water projection in every direction	Water thrown in every direction	Water thrown similar to a wave slap	Immersion	Prolonged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



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