STAR

IP65 Boxes for power 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 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.

Technical characteristics

Degree of protection: IP65.
Resistance to impact: IK08.
Ball pressure test: 70 °C.
Maximum operating voltage: 1000 V AC / 1500 V DC.
Maximum permissible current: 125 A.
Ambient temperature range: -25 °C / +60 °C.
Maximum materials temperature: +80 °C.
Glow-wire resistance: 650 °C.
Electrical insulation class: Class II.

Compliance and certifications

Directive
Low Voltage Directive 2014/35/EU.

Standards
EN IEC 62208 - Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements.
EN IEC 61439-1 - Low-voltage switchgear and controlgear assemblies - Part 1: General rules (as applicable).

Certifications
VDE according to the applicable product standards.

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MODULAR CAPACITY:
4 to 36 modules.

ABS
Halogen-free plastic materials with UV protection

IP65 PROTECTION
Maximum protection against dust and powerful water splashes.

INDUSTRIAL APPLICATION
Versatile, professional and certified solution designed to create large-sized assemblies and modular capacity.

PRODUCT SERIES

Boxes for power sockets with plain cover.

Boxes for power sockets with knock-out covers.

Wall-mounted enclosures with knock-out and interchangeable covers, to install different types of sockets with multiple combinations.

MATERIAL

- Base and frame: ABS grey RAL 7035.
- Transparent window: PC tinted window.
- Halogen-free plastic materials, with UV protection.

SUPPLY

- Supplied in individual cardboard packaging. When several items are sent together, they are bundled together with transparent film.
- The enclosure is supplied with the windows assembled on the cover and the hinges attached to the base, leaving the cover totally free for handling by the installer. The rails are supplied assembled in all references.

Accessory bag:

- Base/cover screws.
- Grey module cover (6 modules).
- Module identification strips.
- Hermetic caps.
- Cover-base hinges.

MATERIAL

- ABS.
- Transparent window in PC.

FINISH

- Grey RAL 7035.
- Transparent tinted window with UV protection.





DIN RAIL ATTACHMENT

- The rail is clipped and screwed to the base. The rails are supplied assembled in the base.

BASE

- Base with double height DIN rail (from 12 modules) 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. These knockouts have central pre-marks to open other required diameters.
- 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. It also has pre-marks to open other diameters.



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).

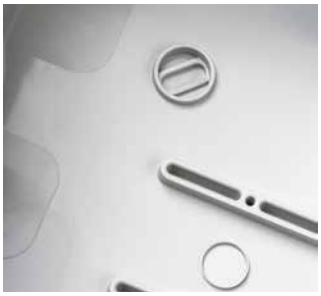




FRAME-BASE HINGE SYSTEM

- This series has a frame-base hinge system that enhances manoeuvrability between both parts, guaranteeing both vertical and horizontal opening of 180°, except CSN4PT.
- 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.









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. 22650) to maintain the degree of protection and dielectric strength.

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 180º reversible horizontal window opening in 12, 18, 24 and 36-module models.
- Lock with the IDE logotype with pressure-operated opening and closing, except CSN4PT.
- The lock can be replaced with key locks or triangular locks (inserts supplied as accessories).

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IP65 Boxes for power sockets



WITH PLAIN COVER

Degree of protection: IP65.
Type of installation: Surface.
Material: Frame and base in ABS.
Transparent window in tinted PC.
Colour: Grey RAL 7035.
Halogen-free plastic materials, with UV protection.

IP65 boxes for power sockets

Reference	No. of modules	Dimensions			MOQ
		HEIGHT	WIDTH	DEPTH	
CSNPLUS	-	436	142	124	**6 units**
CSN4PT	1x4 DIN rail	385	102	105	**6 units**
CSN6PT	1x6 DIN rail	436	142	137	**6 units**
CSN9PT	1x9 DIN rail	436	210	137	**5 units**
CSN12PT	1x12 DIN rail	436	310	147	**4 units**
CSN18PT	1x18 DIN rail	436	418	147	**2 units**
CSN24PT	2x12 (24) DIN rail	688	310	147	**1 unit**
CSN36PT	2x18 (36) DIN rail	728	418	147	**1 unit**

IP65 boxes for power sockets. With neutral and earth bars

Reference	No. of modules	Dimensions			MOQ
		HEIGHT	WIDTH	DEPTH	
CSNPLUS/RR	-	436	142	124	**6 units**
CSN4PT/R	1x4 DIN rail	385	102	105	**6 units**
CSN6PT/RR	1x6 DIN rail	436	142	137	**6 units**
CSN9PT/RR	1x9 DIN rail	436	210	137	**5 units**
CSN12PT/RR	1x12 DIN rail	436	310	147	**4 units**
CSN18PT/RR	1x18 DIN rail	436	418	147	**2 units**
CSN24PT/RR	2x12 (24) DIN rail	688	310	147	**1 unit**
CSN36PT/RR	2x18 (36) DIN rail	728	418	147	**1 unit**

/RR: With neutral and earth bars.
/R: With neutral or earth bar.

Neutral and earth bar structure

Ref. No.	Terminal		Cable section	
	N	E	NEUTRAL	EARTH
22019	5+1	-	1x(16-35 mm^2)+5x(10-25 mm^2)	-
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)
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)



WITH KNOCK-OUT COVER

Degree of protection: IP65.
Type of installation: Surface.
Material: Frame and base in ABS.
Transparent window in tinted PC.
Colour: Grey RAL 7035.
Halogen-free plastic materials, with UV protection.

IP65 boxes for power sockets. With knock-out covers

Reference	No. of modules	Dimensions			No. of covers	MOQ
		HEIGHT	WIDTH	DEPTH		
PCSNPLUS	-	436	142	124	5	**6 units**
PCSN6PT	1x6 DIN rail	436	142	137	4	**6 units**
PCSN9PT	1x9 DIN rail	436	210	137	8	**5 units**
PCSN12PT	1x12 DIN rail	436	310	147	10	**4 units**
PCSN18PT	1x18 DIN rail	436	418	147	15	**2 units**
PCSN24PT	2x12 (24) DIN rail	688	310	147	10	**1 unit**
PCSN36PT	2x18 (36) DIN rail	728	418	147	15	**1 unit**

IP65 boxes for power sockets. With knock-out covers. With neutral and earth bars

Reference	No. of modules	Dimensions			No. of covers	MOQ
		HEIGHT	WIDTH	DEPTH		
PCSNPLUS/RR	-	436	142	124	5	**6 units**
PCSN6PT/RR	1x6 DIN rail	436	142	137	4	**6 units**
PCSN9PT/RR	1x9 DIN rail	436	210	137	8	**5 units**
PCSN12PT/RR	1x12 DIN rail	436	310	147	10	**4 units**
PCSN18PT/RR	1x18 DIN rail	436	418	147	15	**2 units**
PCSN24PT/RR	2x12 (24) DIN rail	688	310	147	10	**1 unit**
PCSN36PT/RR	2x18 (36) DIN rail	728	418	147	15	**1 unit**

/RR: With neutral and earth bars.

Interchangeable covers (The enclosure is supplied with the interchangeable covers as below)

Reference No.	Plain covers	16A/ IP67 Schuko-type covers	IP54 Schuko-type covers
	Ref. 22270	Ref. 22271	Ref. 22272
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

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Knock-out covers

Reference No.	Description	Bases	Current	Poles	IP
22270	Plain covers: Supplied assembled. Remove the cover in order to install sockets.	Flush-fit	16 A	3P+N+E	IP54 - IP67
		Flush-fit	32 A	2P+E - 3P+E - 3P+N+E	IP54 - IP67
22271	16 A cover: Supplied in the box. Screw-in cover for socket installation.	Flush-fit	16 A	2P+E - 3P+E	IP54 - IP67
		Schuko-type	16 A	2P+E	IP67
22272	Schuko-type cover: Supplied in the box. Screw-in and clip-on cover for Schuko-type data and socket RJ45 (Ref. 00145) installation.	Schuko-type	16 A	2P+E	IP54

Possibility of covers





1 and 4. PLAIN COVER (Ref. 22270)

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) - IP54-IP67.
- 32 A IP54-IP67.



2. 16 A COVER (Ref. 22271)

Screw-in cover for socket installation:

- 16 A (2P+E) (3P+E) - IP54-IP67.
- Schuko-type 16 A - IP67.



3. SCHUKO-TYPE COVER (Ref. 22272)

Screw-in and clip-on cover for Schuko-type 16 A sockets - IP54 and for data socket RJ45 (Ref. 00145).

IP 65 CE

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	Current	IP
00452	2P+E	16 A	IP54
00105	2P+E	16 A	IP67

IP44 FLUSH-FIT SOCKETS



Ref.	Poles	Current	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	Current	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

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