IEC Appliance Outlet J, Snap-in Mounting, Front Side, IDC Terminal, integrated Light Pipe, Color Coding

Arrangement "along", white
(wires along to pin axis)

Arrangement "cross", grey
(wires cross to pin axis)

Arrangement "cross", black
(wires cross to pin axis)

Order required accessories separately

type J

70° C

See below:
Approvals and Compliances

Description
- Panel mount :
  Snap-in version , from front side
- Connector , Pin temperature 70 °C , Protection class I
- Wire gauge 10AWG/6.0mm², 12AWG/4.0mm², 2.5mm²
- Light Pipe as an accessory, has to be ordered seperately
- Live contact as PCB terminal
- Protection cover can be used as wire press
- IDC terminals acc. to IEC 60998-2-3 for solid wires

Unique Selling Proposition
- Reduces labor costs
- Allows wiring of multiple terminals at once
- Light pipe for status indication
- V-Lock cord retaining standard

The integration of light pipes in the appliance outlet provides status indication in smart PDUs. See PDU Landing Page for more information.
Power Distribution Units

Other versions on request
- Other panel thickness
- Live contact also available as IDC, solder or quick connect terminal
- Samples available in grey and white

References
Alternative: version for 10 A (15 A)   6610-5
Alternative: version without light pipe   4710

Weblinks
pdf datasheet, html-datasheet, General Product Information, Distributor-Stock-Check, Accessories, Mounting instruction, Detailed request for product, Microsite, Landing Page, Video

Technical Data

Ratings IEC	16 A / 250 VAC; 50 Hz	appliance inlet/-outlet	type J acc. to IEC 60320-3
Ratings UL/CSA	20 A / 250 VAC; 60 Hz		UL 60320-1, CSA C22.2 no. 60320-1
Dielectric Strength	> 2.5 kVAC between L-N		(for cold conditions) pin-temperature 70
	> 1.5 kVAC between L/N-PE		°C, Protection Class I
	(1 min/50 Hz)		
Allowable Operation Temperature	-25 °C to 70 °C		
Insulation cover	Suitable for appliances with protection class I acc. to IEC 61140		
Terminal	IDC terminals		
Panel Thickness S	1/1.2/1.5/2/2.5/3 mm		
Material: Housing	Thermoplastic, UL 94V-0		

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in   Details about Approvals

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.
Approval Reference Type: 4710-5

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40042639
	UL Approvals	UL	UL File Number: E103791
	CQC Approvals	CQC	CCC Certificate Number: 2018180204005080

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
IEC	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
IEC	Designed according to	IEC 60320-3	Appliance couplers for household and similar general purposes
UL	Designed according to	UL 60320-1	Standard for Attachment Plugs and Receptacles
CSA Group	Designed according to	CSA C22.2 no. 60320-1	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices

Application standards
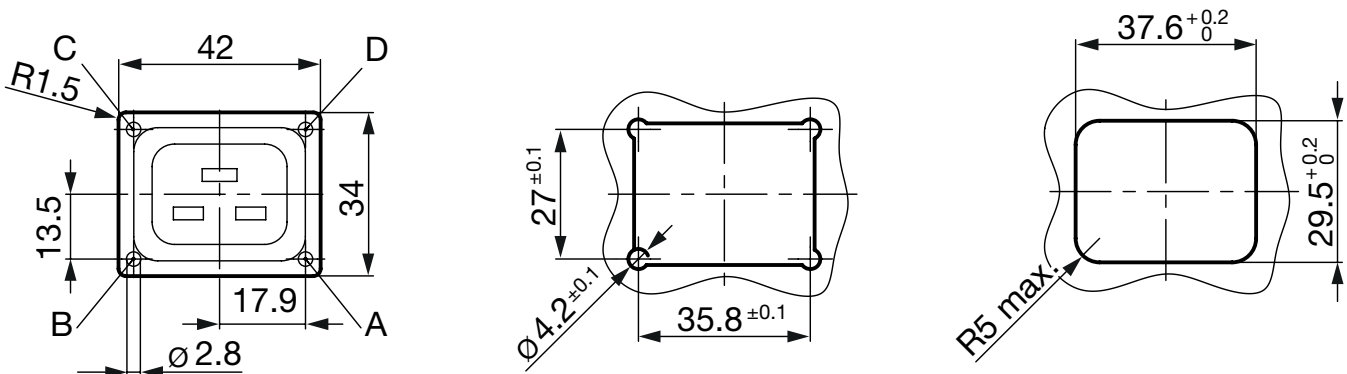
Application standards where the product can be used

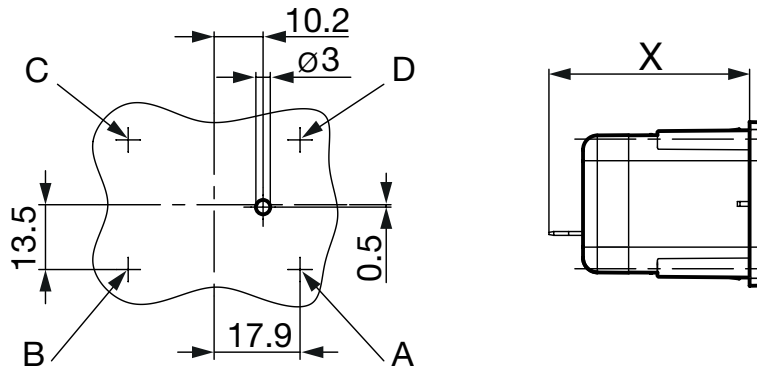| Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

Compliances

The product complies with following Guide Lines

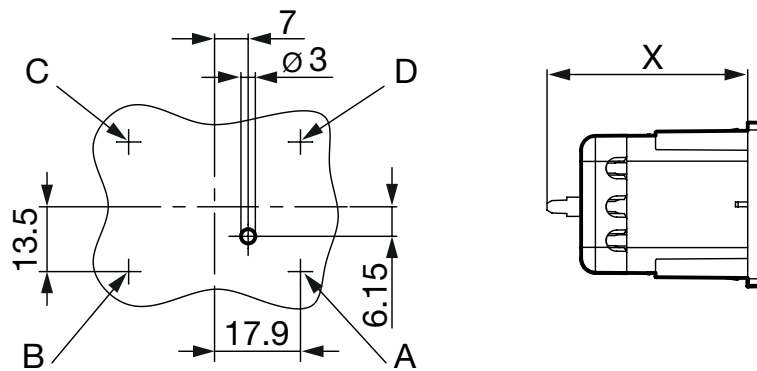| Identification	Details	Initiator	Description
RoHS COMPLIANT	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
(e)	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
Halogen Free HF	Halogen Free	SCHURTER AG	SCHURTER strives to offer our customers halogen free products.
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.
V-Lock		SCHURTER AG	V-Lock system are based on a matching plug-dose combination. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Dimensions [mm]

Version "along" (wires along to pin axis)

Length X in mm
Solder terminal   44.1
Qick-connect terminal   43.7
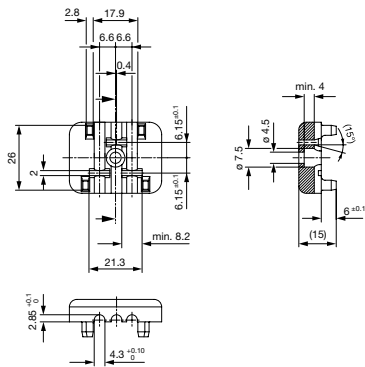PCB terminal   41.8

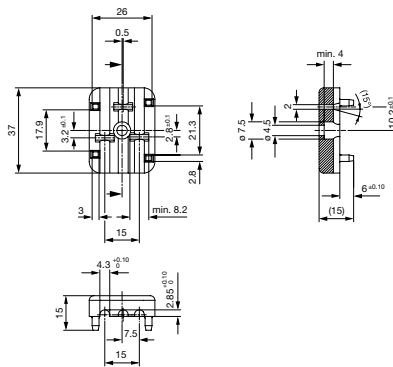Version "cross" (wires cross to pin axis)

Length X in mm
Solder terminal   41.7
Qick-connect terminal   43.7
PCB terminal   41.8

Assembly Instructions

Wire press version "cross"

Wire press version "along"

- Please see the mounting instructions for a more dataied description of the assembly.   Mounting instruction
- You can find the CAD files for wire press tools in the downloads.   CAD-Drawings

All Variants

Alignment 1)	Terminal type live contact	Conductor cross section	Panel Thickness s [mm]	Light Pipe Position - A	Light Pipe Position - B	Light Pipe Position - C	Light Pipe Position - D	Color	Order Number	
along	PCB terminals	2.5 mm²	1.5		●	●		black	3-110-012	
along	PCB terminals	4.0 mm² / 12 AWG	1.5		●	●		black	3-103-026	▌
along	PCB terminals	2.5 mm²	2.0		●	●		black	3-110-013	
along	PCB terminals	4.0 mm² / 12 AWG	2.0		●	●		black	3-110-014	
cross	PCB terminals	2.5 mm²	1.5			●	●	black	3-110-015	
cross	PCB terminals	4.0 mm² / 12 AWG	1.5			●	●	black	3-110-016	▌
cross	PCB terminals	2.5 mm²	2.0			●	●	black	3-110-020	
cross	PCB terminals	4.0 mm² / 12 AWG	2.0			●	●	black	3-110-021	

▌ Most Popular.

Availability for all products can be searched real-time:https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

1) The alignment describes whether the wires are along or across to the connector pin axis.

Packaging unit   50 Pcs

Required Accessory

Description

Light Pipe
Transparent Plexiglas Light Pipe

Mating Inlets/Plugs

Category / Description

Plug Overview complete

IEC Plug I, Cord Connector (Rewireable), Straight	4796
IEC Plug I, Cord Connector (Rewireable), Angled	4789

Plug further types to 4710-5

Mating Inlets/Plugs shuttered

Interconnection Cord Overview complete

VAC19KS, Interconnection, V-Lock cord retaining, 2.0 m, Connector IEC C19, H05VV-F3G1.5 / SJT 3x14 AWG, black	3-100-362
VAC19KS, Interconnection, V-Lock cord retaining, 3.0 m, Connector IEC C19, H05VV-F3G1.5 / SJT 3x14 AWG, black	3-100-363
VAC19KS, Interconnection, V-Lock cord retaining, 1.0 m, Connector IEC C19, H05VV-F3G1.5, black	6051.2147
VAC19KS, Interconnection, V-Lock cord retaining, 1.0 m, Connector IEC C19, H05VV-F3G1.5 / SJT 3x14 AWG, black	6051.2197
VAC19KS, Interconnection, V-Lock cord retaining, 2.0 m, Connector IEC C19, H05VV-F3G1.5, black	6051.2047

Interconnection Cord further types to 4710-5

08.10.2018