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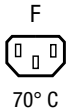
V-Lock

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

Arrangement "along"
(wires along to pin axis)

Arrangement "along", grey, view from rear side
(wires along to pin axis)

F

70° C

Description
- Panel Mount :
  Snap-in version , from front side
- Connector , Pin temperature 70 °C , Protection class I
- Wire gauge 1.5mm²/2.5mm²/14AWG/12AWG
- Light Pipe guidance
- Light Pipe as an accessory, have to be ordered seperately
- Live contact as PCB terminal
- IDC terminals acc. to IEC 60998-2-3 for solid wires

Unique Selling Proposition
- IDC terminals for efficient wiring
- Design for slim light pipe guidance
- Light pipe for status indication, optional with 1, 2 or without light pipe quidance
- V-Lock cord retention

Approvals
- Approval Reference Type: 6610-5
- ENEC File Number: 40035679
- UL File Number: E103791
- CCC File Number: (pending)

Characteristics
- Protection cover can be used as "wire press"
- Cross and along orientation
- Ideal for intelligent PDU applications
- Suitable for use in equipment according to IEC/UL 60950

Other versions on request
- Live contact also available as IDC, solder or quick connect terminal
- Versions for 1 mm² cross wire section
- Samples available in grey and white

References
Alternative: version without light pipe   6610

Weblinks
pdf datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, Distributor-Stock-Check, Accessories, Mounting instruction, Detailed request for product, Landing Page, Video

The outlet is compatible with V-Lock and in the along variant also with side latch mechanisms. The V-Lock connector is equipped with a notch intended for use with the latching cordset. The cord latching systems prevents against accidental removal of the cordset.
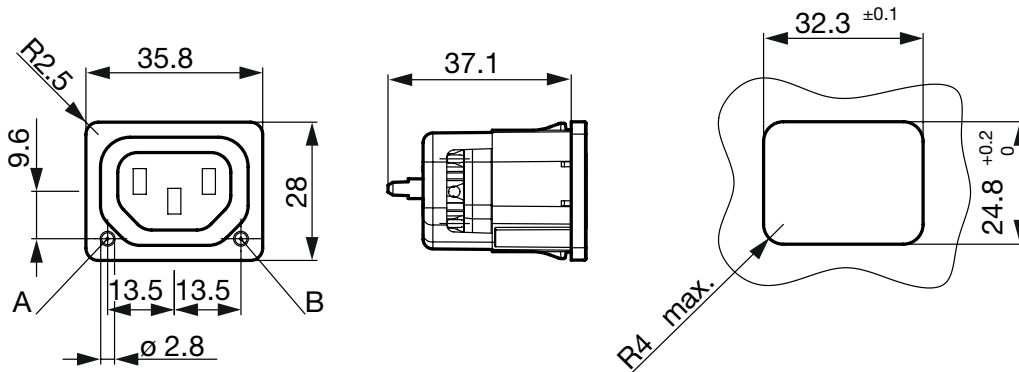
Technical Data

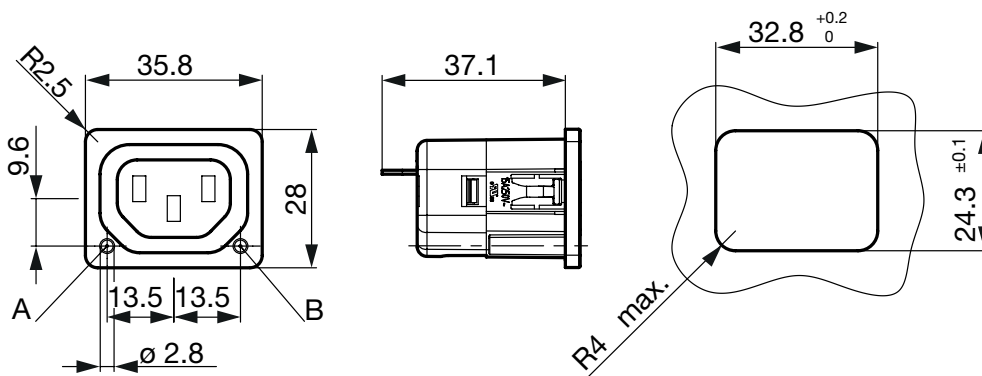|			
Ratings IEC	10 A / 250 VAC; 50 Hz	appliance inlet/-outlet	F acc. to IEC 60320-1
Ratings UL/CSA	15 A / 250 VAC; 60 Hz		UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Allowable Operation Temperature	-25 °C to 70 °C		
IP-Protection	from front side IP 40 acc. to IEC 60529		
Insulation cover	Suitable for appliances with protection class I acc. to IEC 61140		
Terminal	IDC terminals		
Panel Thickness S	Snap-in,0.8/1/1.5/2/2.5/3 mm (other on request)		
Material: Housing	Thermoplastic, black, UL 94V-0		

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in   General Product Information

Dimensions [mm]
Arrangement "cross"
(wires cross to pin axis)

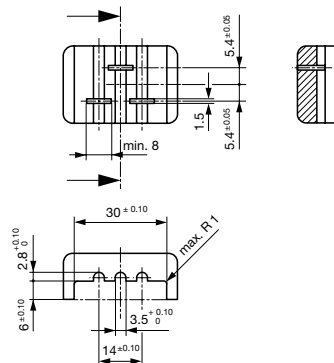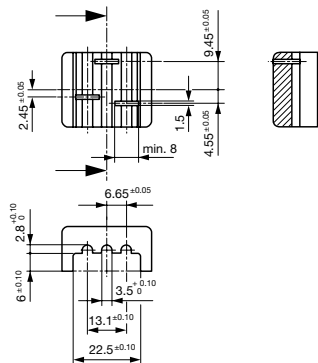Version "along" (wires along to pin axis)

The integration of light pipes in the appliance outlet provides status indication in smart PDUs.

Assembly Instructions
Wire press version "cross"

Wire press version "along"

- The above mentioned dimensions are recommended when using an assembly tool.
- Use the cover or an assembly tool, to push the wires into the IDC terminals.
- The assembly force depends on the wire used and may require as much as 900 N.
- Press the wires into the IDC terminals until the wires touch with the plastic socket of the 6610-5 when using a tool.
- When using the cover be sure that it is properly mounted.
- The maximum diameter of the wire (including insulation) is 3.6 mm for along, 3.5 mm for cross version.
- The correct installation of the wires is essential for proper function of the 6610-5 in the end equipment.

All Variants

Alignment [1]	Terminal type live contact	Conductor cross section	Panel Thickness s [mm]	Light pipe L side	Light pipe N side	Color	Order Number	
along	PCB terminals	1.5 mm² / 14 AWG	1.5	●	●	black	3-104-307	▮
along	PCB terminals	2.5 mm² / 12 AWG	1.5		●	black	3-104-300	▮
along	PCB terminals	2.5 mm² / 12 AWG	1.5	●		black	3-104-299	▮
along	PCB terminals	2.5 mm² / 12 AWG	1.5	●	●	black	3-104-298	▮
cross	PCB terminals	1.5 mm² / 14 AWG	1.5		●	black	3-104-320	▮
cross	PCB terminals	1.5 mm² / 14 AWG	1.5	●	●	black	3-104-319	▮
cross	PCB terminals	2.5 mm² / 12 AWG	1.5		●	black	3-104-312	▮
cross	PCB terminals	2.5 mm² / 12 AWG	1.5	●		black	3-104-311	▮
cross	PCB terminals	2.5 mm² / 12 AWG	1.5	●	●	black	3-103-018	▮

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

▮ Most Popular.

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

Packaging unit   100 Pcs

Accessories

Description

Light Pipe
Transparent Plexiglas Light Pipe

Mating Inlets/Plugs

Category / Description

Plug Overview complete

IEC Plug E, Cord Connector (Rewireable), Straight, max. cable Diameter 8.5 mm	4732
IEC Plug E, Cord Connector (Rewireable), Straight, max. Cable Diameter 10 mm	4735
IEC Plug E, Cord Connector (Rewireable), Straight	9009
IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 8.5 mm	4733
IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 10 mm	4736
Plug further types to 6610-5	...

Mating Inlets/Plugs shuttered

Interconnection Cord Overview complete

VAC13KS, Interconnection, V-Lock cord retaining, 0.6 m, Connector IEC C13, H05VV-F3G0.75 / SVT 3x18 AWG, black	3-100-354
VAC13KS, Interconnection, V-Lock cord retaining, 1.2 m, Connector IEC C13, H05VV-F3G0.75 / SVT 3x18 AWG, black	3-100-355
VAC13KS, Interconnection, V-Lock cord retaining, 1.5 m, Connector IEC C13, H05VV-F3G0.75 / SVT 3x18 AWG, black	3-100-356
VAC13KS, Interconnection, V-Lock cord retaining, 3.0 m, Connector IEC C13, SVT 3x18 AWG, black	3-100-361
VAC13KS, Interconnection, V-Lock cord retaining, 1.8 m, Connector IEC C13, H05VV-F3G0.75 / SVT 3x18 AWG, black	3-100-734
Interconnection Cord further types to 6610-5	...

01.09.2017