IEC Appliance Outlet F, Snap-in Mounting, Front Side, IDC Terminal
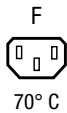
Arrangement "cross"
(wires cross to pin axis)

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

Type 6610-5 with integrated Light Pipe

F

70° C

Description
- Panel Mount :
  Snap-in version , from front side
- Connector , Pin temperature 70 °C , Protection class I
- Wire gauge 1-1.5mm²/1.5mm²/2.5mm²/14AWG/12AWG
- IDC terminals acc. to IEC 60998-2-3 for solid wires

Unique Selling Proposition
- IDC terminals for efficient wiring
- Significant reduces labor costs
- Cross and along orientation
- Ideal for PDU applications

Characteristics
- Protection cover can be used as "wire press"
- Live contact available as IDC, solder or quick connect terminal
- Suitable for use in equipment according to IEC/UL 60950

Other versions on request
- UL approval for AWG 16; Versions for other wire gauges

References
Alternative: version for 16 A (20 A)   4710
Alternative: version with integrated light pipes   6610-5

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

Approvals and Compliances

Newly available variants corresponding to V-Lock mating cordset. 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.

Technical Data

Ratings IEC	10 A / 250 VAC; 50 Hz	appliance inlet/-outlet	F acc. to 60320-2-2 UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Ratings UL/CSA	15 A / 250 VAC; 60 Hz		
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,0.8/1/1.2/1.5/2/2.5/3.0 mm (other on request)		
Material: Housing	Thermoplastic, black, 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: 6610

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40035679
	UL Approvals	UL	UL File Number: E103791
	CQC Approvals	CQC	CCC File Number: 2010010204418560

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	60320-2-2	Appliance couplers for household and similar general purposes
UL	Designed according to	UL 498	Standard for Attachment Plugs and Receptacles
CSA Group	Designed according to	CSA C22.2 no. 42	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 technologyequipment.

Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
RoHS	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
China RoHS	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.
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	MicrositeV-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 "cross" (wires cross to pin axis)
L/N/PE: IDC terminals
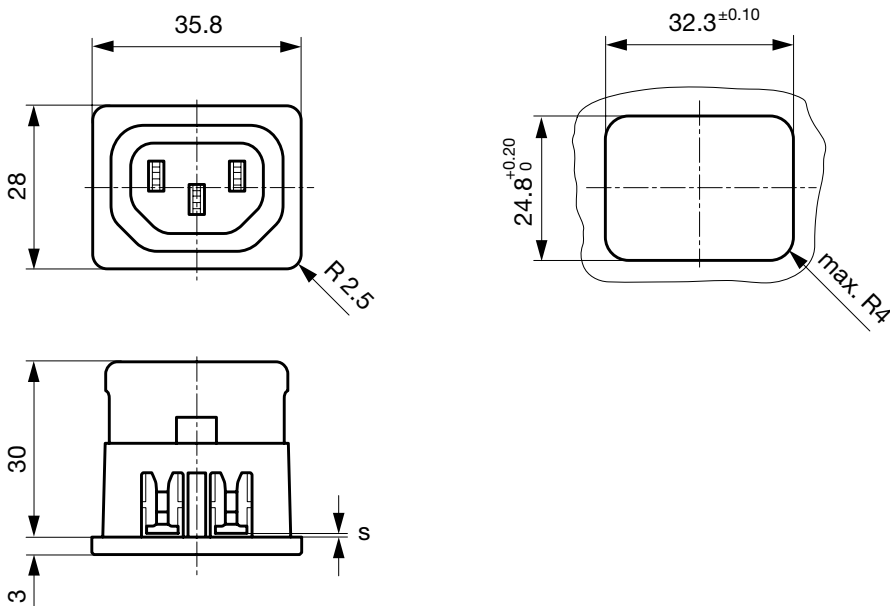
Version "along" (wires along to pin axis)
L/N/PE: IDC terminals

35.8   28   R 2.5   30   3   s   32.8 $^{+0.20}_{0}$ 24.3 $^{±0.10}$ max. R 4
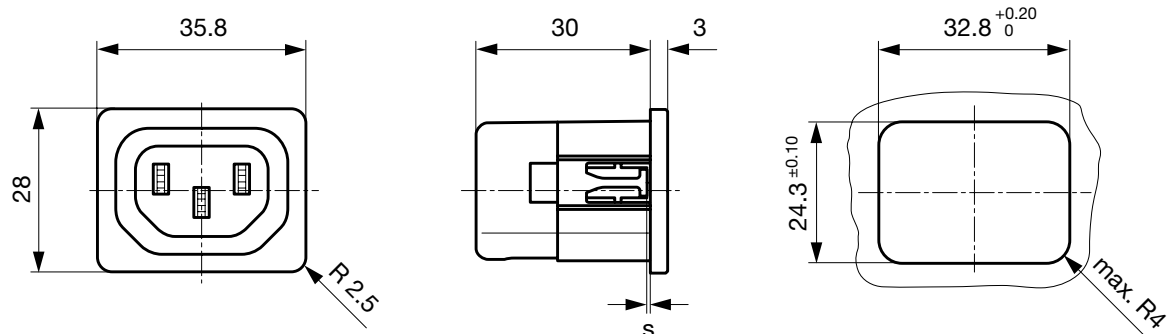
Version "cross" (wires cross to pin axis)
N/PE: IDC terminals, L: quick connect or solder terminal

35.8   28   R 2.5   41.9 $^{1)}$ 30   3   6.3 $^{±0.10}$ s   32 $^{±0.10}$ 9.5   R6   24 $^{±0.10}$ R5   0.5   N   L   32.3 $^{±0.10}$ max. R 4   24.8 $^{+0.20}_{0}$
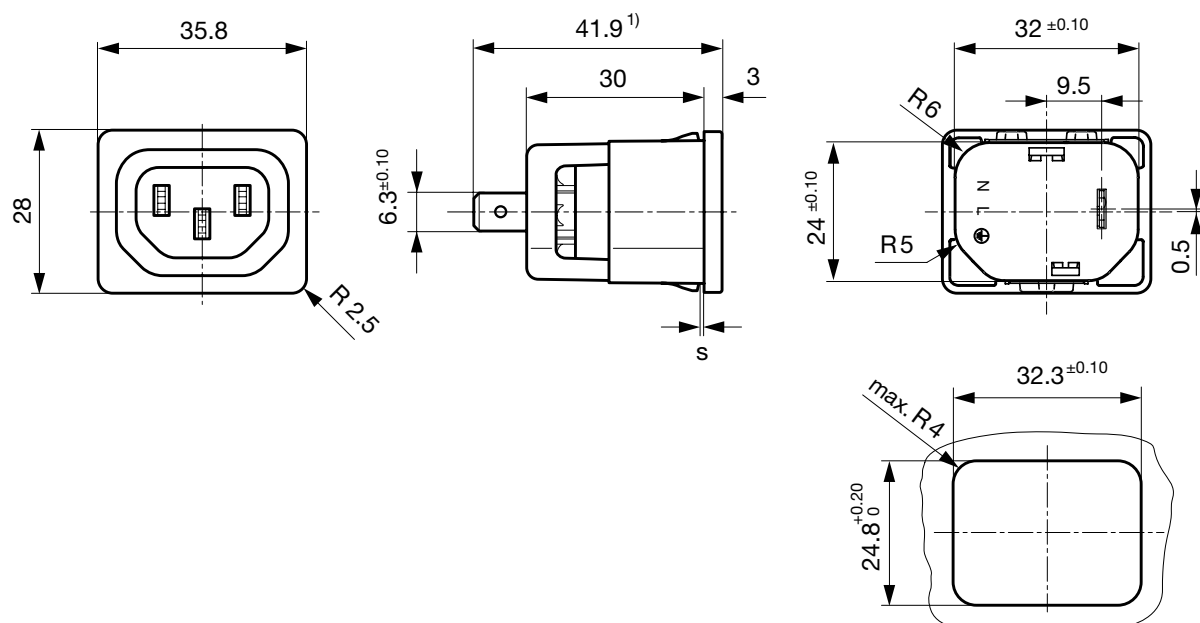
$^{1)}$ Other options:
Quick connect terminal 4.8x0.8:   40.3 mm
Solder terminal: 40.9 mm

Version "along" (wires along to pin axis)
N/PE: IDC terminals, L: quick connect or solder terminal
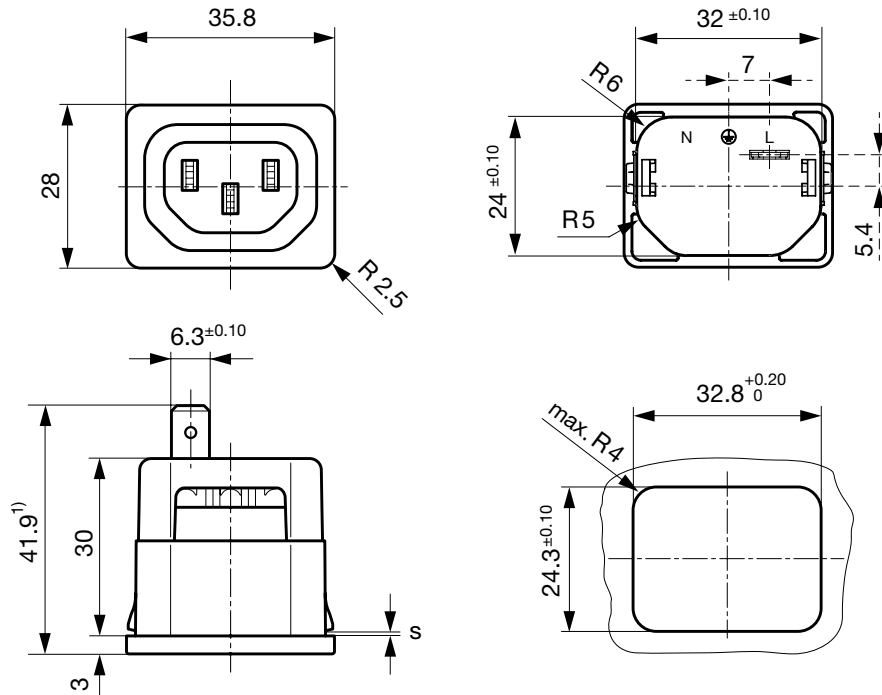
Light Pipe integration

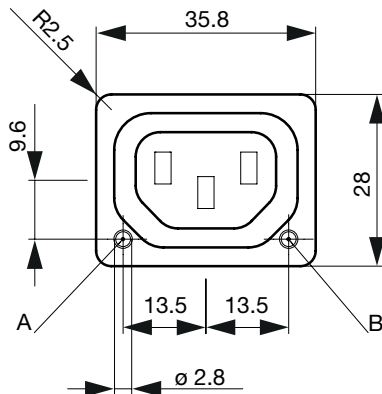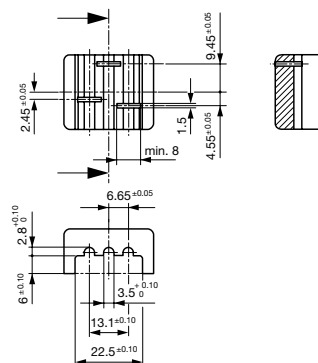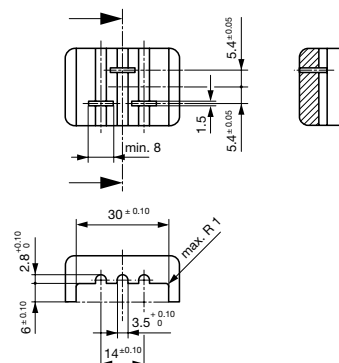The integration of light pipes in the appliance outlet provides status indication in smart PDUs. See Light Pipe Microsite for more information. http://lightpipe.schurter.com/

Assembly Instructions

Wire press version "cross"

Wire press version "along"

- The above mentioned dimensions are recommended when using an assembly tool.
- When using an assembly tool we recommend the above-mentioned dimensions.
- 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 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 in the end equipment.

All Variants

Alignment [1]	Conductor cross section	Panel Thickness s [mm]	Terminal type live contact	Order Number	
along	1.0 mm²	2.5	IDC terminals	6610.3016.03	
along	1.5 mm² / 14 AWG	1.5	IDC terminals	6610.5014	
along	1.5 mm² / 14 AWG	1.5	IDC terminals	6610.5014.03	
along	1.5 mm² / 14 AWG	2	IDC terminals	6610.5015	
along	2.5 mm² / 12 AWG	0.8	IDC terminals	6610.1011	
along	2.5 mm² / 12 AWG	1	IDC terminals	6610.1012	
along	2.5 mm² / 12 AWG	1.2	IDC terminals	6610.1013	
along	2.5 mm² / 12 AWG	1.5	IDC terminals	6610.1014	▌
along	2.5 mm² / 12 AWG	2	IDC terminals	6610.1015	
along	2.5 mm² / 12 AWG	2	IDC terminals	6610.1015.03	
along	2.5 mm² / 12 AWG	2.5	IDC terminals	6610.1016	
along	2.5 mm² / 12 AWG	3	IDC terminals	6610.1017	
along	2.5 mm² / 12 AWG	1.5	Quick connect terminal 4.8 x 0.8	6610.1354	
along	2.5 mm² / 12 AWG	1.5	Quick connect terminal 4.8 x 0.8	6610.1354.03	
along	2.5 mm² / 12 AWG	1.5	Quick connect terminal 6.3 x 0.8	6610.1254	
along	2.5 mm² / 12 AWG	1.5	Quick connect terminal 6.3 x 0.8	6610.1254.03	
along	2.5 mm² / 12 AWG	1.5	Solder	6610.1154	
cross	1.5 mm² / 14 AWG	1	IDC terminals	6610.6012	
cross	1.5 mm² / 14 AWG	1.5	IDC terminals	6610.6014	
cross	1.5 mm² / 14 AWG	1.5	Quick connect terminal 6.3 x 0.8	6610.6254	
cross	2.5 mm² / 12 AWG	1	IDC terminals	6610.2012	
cross	2.5 mm² / 12 AWG	1.2	IDC terminals	6610.2013	
cross	2.5 mm² / 12 AWG	1.5	IDC terminals	6610.2014	
cross	2.5 mm² / 12 AWG	1.5	IDC terminals	6610.2014.03	▌
cross	2.5 mm² / 12 AWG	2	IDC terminals	6610.2015	
cross	2.5 mm² / 12 AWG	2.5	IDC terminals	6610.2016	
cross	2.5 mm² / 12 AWG	3	IDC terminals	6610.2017	
cross	2.5 mm² / 12 AWG	1.5	Quick connect terminal 6.3 x 0.8	6610.2254	
cross	2.5 mm² / 12 AWG	1.5	Solder	6610.2154	

▌ Most Popular.

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

Articles with 1 mm² only with ENEC approval. Outer diameter of wire (including insulation) max. 3.5 / 3.6 mm.

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

Suffix ".03" corresponds to the version with V-Lock mating cordset. 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.

Packaging unit   50 Pcs

Accessories

Description

Cord retaining kits
Cord retaining strain relief

Flat head, E	4700.0005
Flat head, G	4700.0007

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	...

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	...

06.12.2017

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