

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Schurter](#)  
[6610.1011](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

IEC Appliance Outlet F, Snap-in Mounting, Front Side, IDC Terminal

V-Lock

**new**



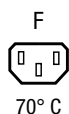
Arrangement "cross"  
(wires cross to pin axis)



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



6610 with integrated Light Pipe



### Description

- Panel Mount:
- Snap-in version, from front side
- Connector, Pin temperature 70 °C, Protection class I
- Wire gauge 1-1.5mm<sup>2</sup>/1.5mm<sup>2</sup>/2.5mm<sup>2</sup>/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

### Approvals

- ENEC File Number: 40035679
- UL File Number: E103791
- CCC File Number: 2010010204418560

### 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
- Protection class II, 70°C

### References

Alternative: version for 16 A (20 A) 4710

### Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Accessories](#), [Mounting instruction](#), [Detailed request for product](#)

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.

The integration of light pipes in the appliance outlet provides status indication in smart PDUs. See Application Note for more information.  
[Application Note](#)

### Technical Data

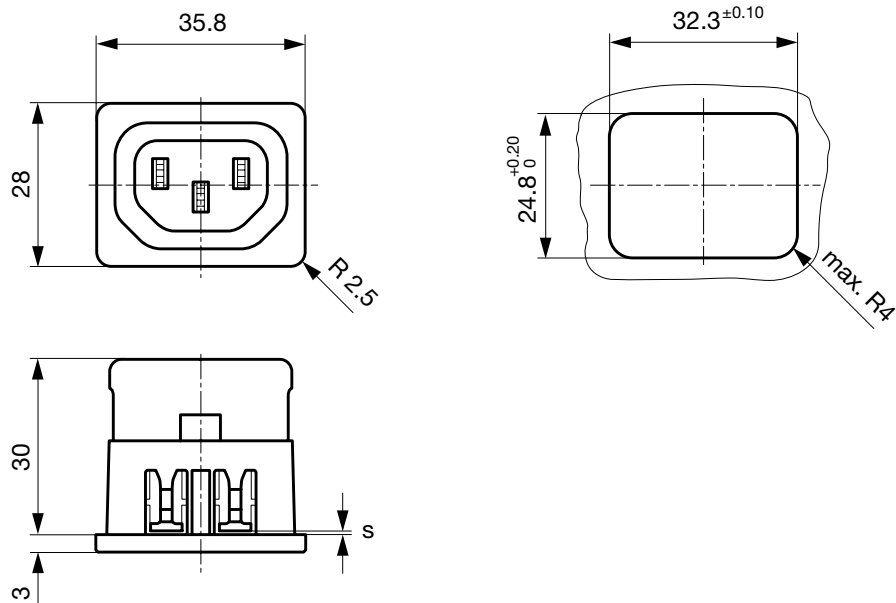
Ratings IEC	10 A / 250VAC; 50Hz	Appliance Outlet	F acc. to IEC 60320-1
Ratings UL/CSA	15 A / 250VAC; 60Hz		UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Allowable Operation Temp.	-25 °C to 70 °C		
Degree of Protection	from front side IP 40 acc. to IEC 60529		
Protection Class	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		

6610

Connectors (Inlets/Outlets)  
[www.schurter.com/PG07](http://www.schurter.com/PG07)**Dimensions**

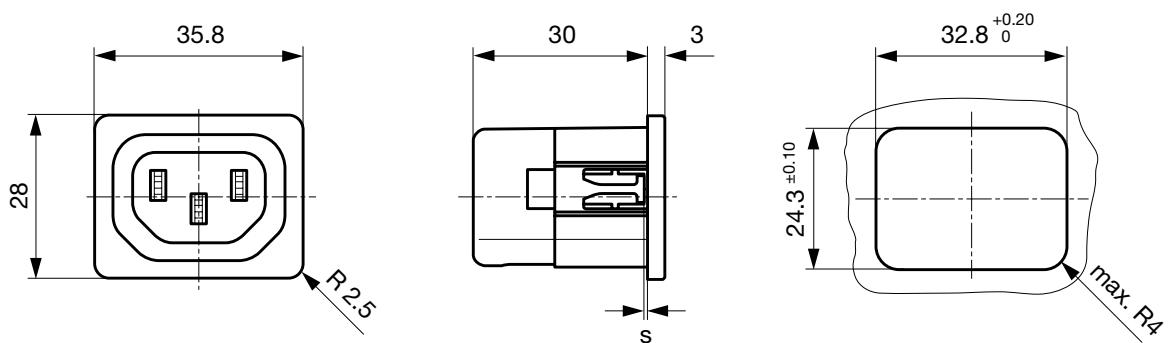
Version "cross" (wires cross to pin axis)

L/N/PE: IDC terminals



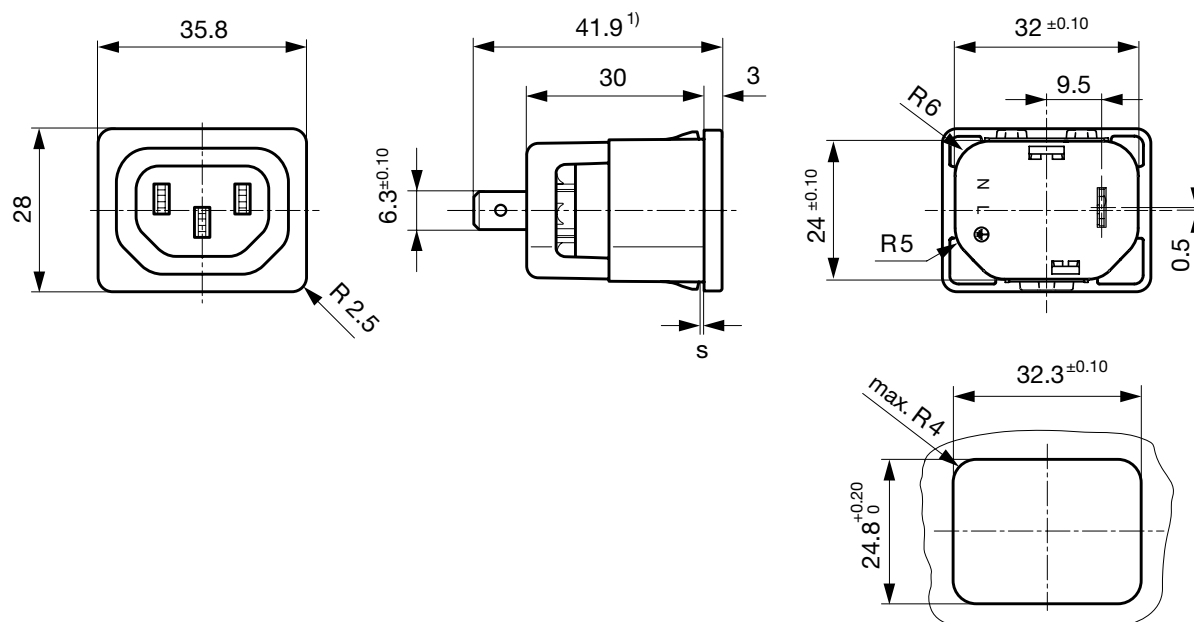
Version "along" (wires along to pin axis)

L/N/PE: IDC terminals



Version "cross" (wires cross to pin axis)

N/PE: IDC terminals, L: quick connect or solder terminal



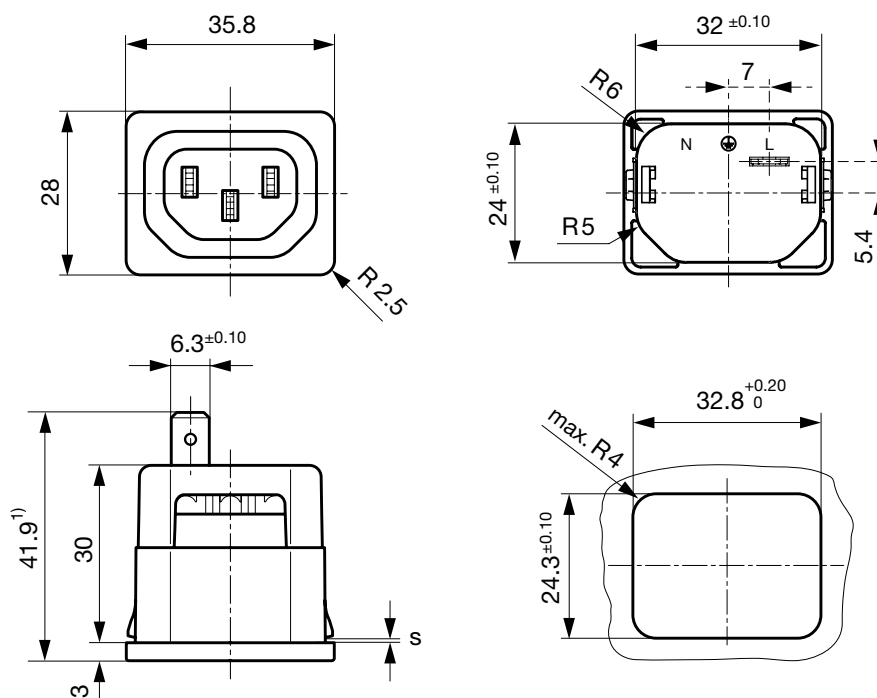
<sup>1)</sup> Other options:

Quick connect terminal 4.8x0.8: 40.3 mm

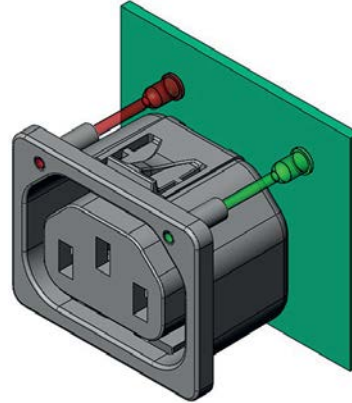
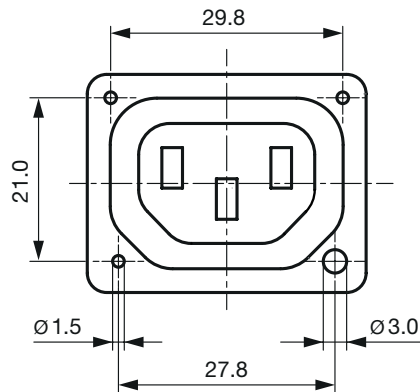
Solder terminal: 40.9 mm

Version "along" (wires along to pin axis)

N/PE: IDC terminals, L: quick connect or solder terminal



## Light Pipe integration



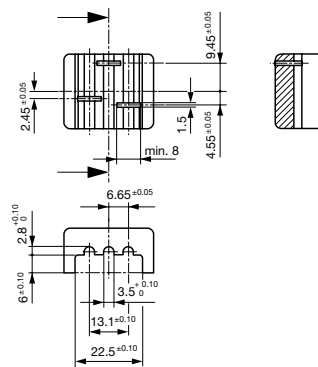
Arrangement of light pipes in the outlet and LEDs on the PCB. For more information, see the relevant Application Note.

The integration of light pipes in the appliance outlet provides status indication in smart PDUs. See Application Note for more information.

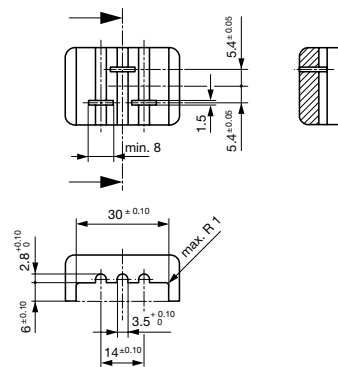
[Application Note](#)

## Assembly Instructions

## Mounting tool version "cross"



## Mounting tool 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 <sup>1)</sup>	Conductor cross section	Panel Thickness s [mm]	Terminal type live contact	Order Number
along	1.0 - 1.5 mm <sup>2</sup>	2.5	IDC terminals	6610.3016.03
along	1.5 mm <sup>2</sup> / 14 AWG	1.5	IDC terminals	6610.5014
along	1.5 mm <sup>2</sup> / 14 AWG	1.5	IDC terminals	6610.5014.03
along	1.5 mm <sup>2</sup> / 14 AWG	2	IDC terminals	6610.5015
along	2.5 mm <sup>2</sup> / 12 AWG	0.8	IDC terminals	6610.1011
along	2.5 mm <sup>2</sup> / 12 AWG	1	IDC terminals	6610.1012
along	2.5 mm <sup>2</sup> / 12 AWG	1.2	IDC terminals	6610.1013
along	2.5 mm <sup>2</sup> / 12 AWG	1.5	IDC terminals	6610.1014
along	2.5 mm <sup>2</sup> / 12 AWG	2	IDC terminals	6610.1015
along	2.5 mm <sup>2</sup> / 12 AWG	2	IDC terminals	6610.1015.03
along	2.5 mm <sup>2</sup> / 12 AWG	2.5	IDC terminals	6610.1016
along	2.5 mm <sup>2</sup> / 12 AWG	3	IDC terminals	6610.1017
along	2.5 mm <sup>2</sup> / 12 AWG	1.5	Quick connect terminal 4.8 x 0.8	6610.1354

Alignment <sup>1)</sup>	Conductor cross section	Panel Thickness s [mm]	Terminal type live contact	Order Number
along	2.5 mm <sup>2</sup> / 12 AWG	1.5	Quick connect terminal 4.8 x 0.8	6610.1354.03
along	2.5 mm <sup>2</sup> / 12 AWG	1.5	Quick connect terminal 6.3 x 0.8	6610.1254
along	2.5 mm <sup>2</sup> / 12 AWG	1.5	Quick connect terminal 6.3 x 0.8	6610.1254.03
along	2.5 mm <sup>2</sup> / 12 AWG	1.5	Solder	6610.1154
cross	1.5 mm <sup>2</sup> / 14 AWG	1	IDC terminals	6610.6012
cross	1.5 mm <sup>2</sup> / 14 AWG	1.5	IDC terminals	6610.6014
cross	1.5 mm <sup>2</sup> / 14 AWG	1.5	Quick connect terminal 6.3 x 0.8	6610.6254
cross	2.5 mm <sup>2</sup> / 12 AWG	1	IDC terminals	6610.2012
cross	2.5 mm <sup>2</sup> / 12 AWG	1.2	IDC terminals	6610.2013
cross	2.5 mm <sup>2</sup> / 12 AWG	1.5	IDC terminals	6610.2014
cross	2.5 mm <sup>2</sup> / 12 AWG	1.5	IDC terminals	6610.2014.03
cross	2.5 mm <sup>2</sup> / 12 AWG	2	IDC terminals	6610.2015
cross	2.5 mm <sup>2</sup> / 12 AWG	2.5	IDC terminals	6610.2016
cross	2.5 mm <sup>2</sup> / 12 AWG	3	IDC terminals	6610.2017
cross	2.5 mm <sup>2</sup> / 12 AWG	1.5	Quick connect terminal 6.3 x 0.8	6610.2254
cross	2.5 mm <sup>2</sup> / 12 AWG	1.5	Solder	6610.2154

Most Popular.

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

Articles for 1-1.5mm<sup>2</sup> 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](#)

...

6610

**Connectors (Inlets/Outlets)**  
[www.schurter.com/PG07](http://www.schurter.com/PG07)**Mating Inlets/Plugs shuttered**[Interconnection Cord Overview complete](#)

VAC13KS, Interconnection, V-Lock cord retaining, 0.6 m, Connector IEC C13, cord end:	3-100-354
VAC13KS, Interconnection, V-Lock cord retaining, 1.2 m, Connector IEC C13, cord end:	3-100-355
VAC13KS, Interconnection, V-Lock cord retaining, 1.5 m, Connector IEC C13, cord end:	3-100-356
VAC13KS, Interconnection, V-Lock cord retaining, 3.0 m, Connector IEC C13, cord end:	3-100-361
VAC13KS, Interconnection, V-Lock cord retaining, 1.8 m, Connector IEC C13, cord end:	3-100-734

[Interconnection Cord further types to 6610](#)

...