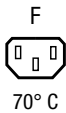


IEC Appliance Outlet F, Snap-in Mounting, Front Side, IDC Terminal

new

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

70° C

**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

**Approvals**

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

**Characteristics**

- IDC technology for efficient and cost saving mounting
- Protection cover can be used as "wire press"
- Live contact available as IDC, solder or quick connect terminal
- Qualified for use in equipment according IEC/EN 60950

**Other versions on request**

- UL approval for AWG 16; Versions for other wire gauges
- Protection class II, 70°C

**Weblinks**

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [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.

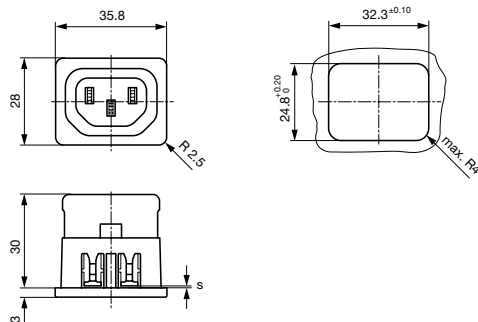
**Technical Data**

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Ratings IEC               | 10A / 250VAC; 50Hz                                                |
| Ratings UL/CSA            | 15A / 250VAC; 60Hz                                                |
| 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<br>(other on request)         |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                    |

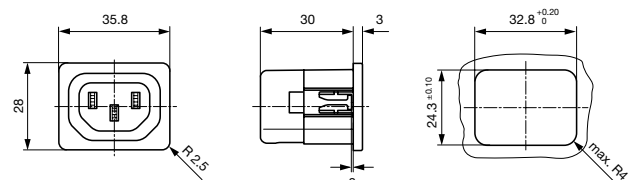
|                  |                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------|
| Appliance Outlet | F acc. to IEC 60320<br>UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I |
|------------------|----------------------------------------------------------------------------------------------------------------------|

**Dimensions**

Version "cross" (wires cross to pin axis)  
L/N/PE: IDC terminals

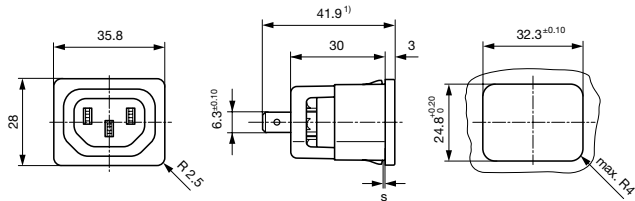


Version "along" (wires along to pin axis)  
L/N/PE: IDC terminals



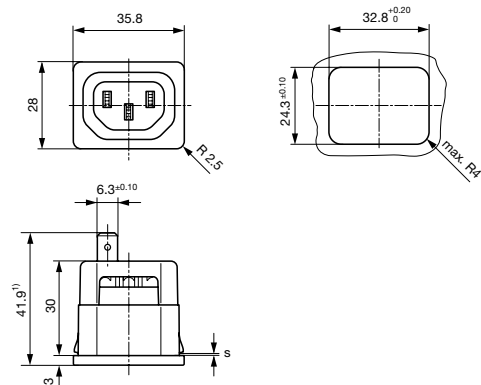
Version "cross" (wires cross to pin axis)

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



Version "along" (wires along to pin axis)

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



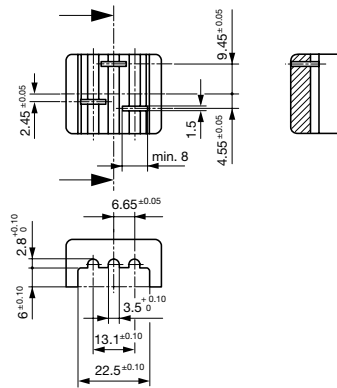
<sup>1)</sup> Other options:

Quick connect terminal 4.8x0.8: 40.3 mm

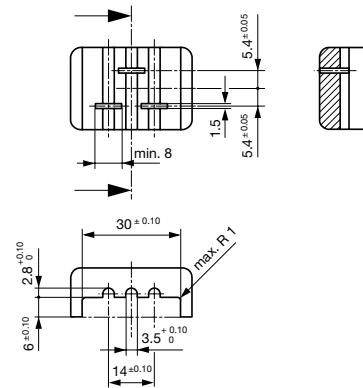
Solder terminal: 40.9 mm

## Mounting 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.

## Variants

| Alignment <sup>1)</sup> | Conductor cross section      | Panel Thickness<br>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    |

| Alignment <sup>1)</sup> | Conductor cross section      | Panel Thickness<br>s [mm] | Terminal type live contact       | Order Number |
|-------------------------|------------------------------|---------------------------|----------------------------------|--------------|
| 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    |

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

#### [Interconnection Cord Overview complete](#)



|                                                            |      |
|------------------------------------------------------------|------|
| Interconnection Cord with IEC Plug E, Angled               | 0607 |
| Interconnection Cord with IEC Plug E, Angled               | 0608 |
| Interconnection Cord with IEC Plug E, Straight             | 0609 |
| Interconnection Cord with IEC Plug G, Angled               | 607B |
| Interconnection Cord with IEC Plug G, Angled               | 608B |
| <a href="#">Interconnection Cord further types to 6610</a> | ...  |

#### [Plug Overview complete](#)



|                                                                               |      |
|-------------------------------------------------------------------------------|------|
| IEC Plug E, Cord Connector (Rewireable), Straight, max. cable Diameter 8.5 mm | 4732 |
| IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 8.5 mm   | 4733 |
| IEC Plug E, Cord Connector (Rewireable), Straight, max. Cable Diameter 10 mm  | 4735 |
| IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 10 mm    | 4736 |
| IEC Plug E, Cord Connector (Rewireable), Straight                             | 9009 |
| <a href="#">Plug further types to 6610</a>                                    | ...  |



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Электрон  
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