

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



4710  
cross  
Snap-in mounting from front side  
Arrangement "cross"  
(wires cross to pin axis)



4710  
along  
Snap-in mounting from front side  
Arrangement "along"  
(wires along to pin axis)



4710  
cross, view from rear side  
Snap-in mounting from front side  
Arrangement "cross", view from rear side  
(wires cross to pin axis)

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/6.0mm<sup>2</sup>, 12AWG/4.0mm<sup>2</sup>, 2.5mm<sup>2</sup>
- IDC terminals acc. to IEC 60998-2-3 for solid wires

**Unique Selling Proposition**

- Reduces labor costs
- Allows wiring of multiple terminals at once
- Cross and along orientation
- V-Lock cord retaining standard

**Characteristics**

- Protection cover can be used as wire press
- Live contact available as IDC, solder or quick connect terminal
- ready to use with V-Lock cordsets
- Suitable for use in equipment according to IEC/UL 62368-1

**Other versions on request**

- Other panel thickness

**References**Alternative: version for 10 A (15 A) [4710-5](#); [6610](#)**Weblinks**

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Approvals](#), [Distributor-Stock-Check](#), [Accessories](#), [Mounting instruction](#), [Detailed request for product](#), [Landing Page](#), [Video](#)

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](#)

**Technical Data**

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Ratings IEC                       | 16 A / 250VAC; 50Hz                                               |
| Ratings UL/CSA                    | 20A / 250VAC; 60Hz                                                |
| Dielectric Strength               | > 2.5kVAC between L-N<br>> 1.5kVAC between L/N-PE<br>(1 min/50Hz) |
| Allowable Operation Temperature   | -25 °C to 70 °C                                                   |
| Protection against electric shock | 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, black, UL 94V-0                                    |

|                         |                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------|
| Appliance inlet/-outlet | type J acc. to IEC 60320-3<br>UL 60320-1, CSA C22.2 no. 60320-1 ,<br>Protection Class I |
|-------------------------|-----------------------------------------------------------------------------------------|

**Approvals and Compliances**

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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

## 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

| Approval Logo                                                                    | Certificates                  | Certification Body | Description                              |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|------------------------------------------|
|  | <a href="#">VDE Approvals</a> | VDE                | Certificate Number: 40042639             |
|  | <a href="#">UL Approvals</a>  | UL                 | UL File Number: E103791                  |
|  | <a href="#">CCC Approvals</a> | CCC                | CCC Certificate Number: 2014010204668919 |

## Product standards

Product standards that are referenced

| Organization                                                                     | Design                | Standard              | Description                                                           |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------------------------------------------------------|
|  | Designed according to | IEC 60320-1           | Appliance couplers for household and similar general purposes         |
|  | Designed according to | IEC 60320-3           | Appliance couplers for household and similar general purposes         |
|  | Designed according to | UL 60320-1            | Standard for Attachment Plugs and Receptacles                         |
|  | 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                                                                                                          |
|-----------------------------------------------------------------------------------|--------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------|
|  | Designed for applications acc. | IEC/UL 62368-1 | IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment. |

## Compliances

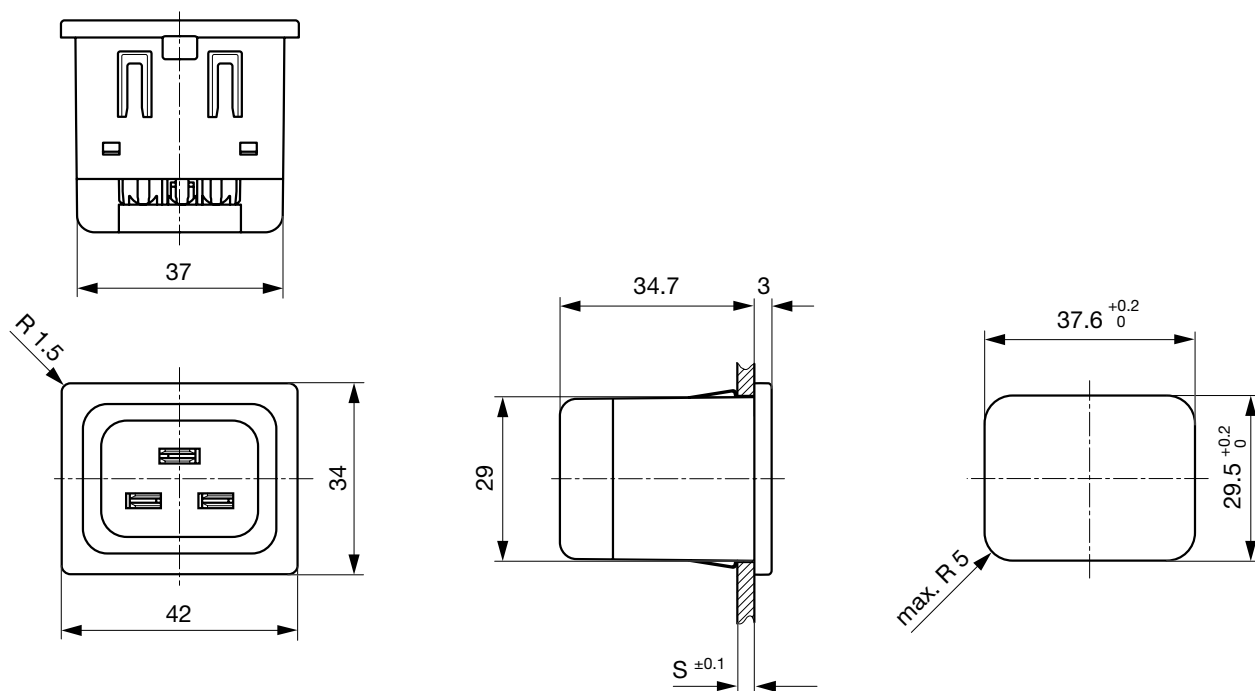
The product complies with following Guide Lines

| Identification                                                                     | Details                                      | Initiator   | Description                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------|----------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">CE declaration of conformity</a> | 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.                        |
|  | <a href="#">RoHS</a>                         | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863                                                                                                                                                                           |
|  | <a href="#">China RoHS</a>                   | 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.                                                                                                         |
|  | <a href="#">Halogen Free</a>                 | SCHURTER AG | SCHURTER strives to offer our customers halogen free products.                                                                                                                                                               |
|  | <a href="#">REACH</a>                        | 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.                                                      |
|  | <a href="#">Landing Page V-Lock</a>          | 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]

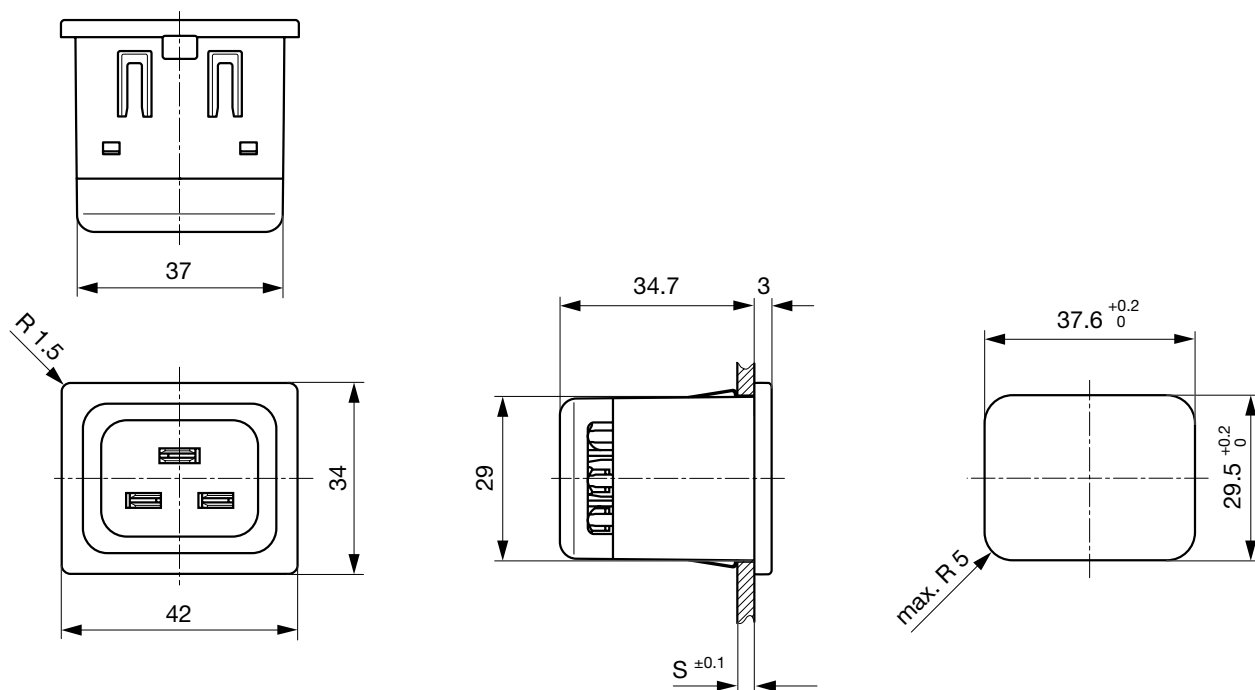
Version "cross" (wires cross to pin axis)

L/N/PE: IDC terminals



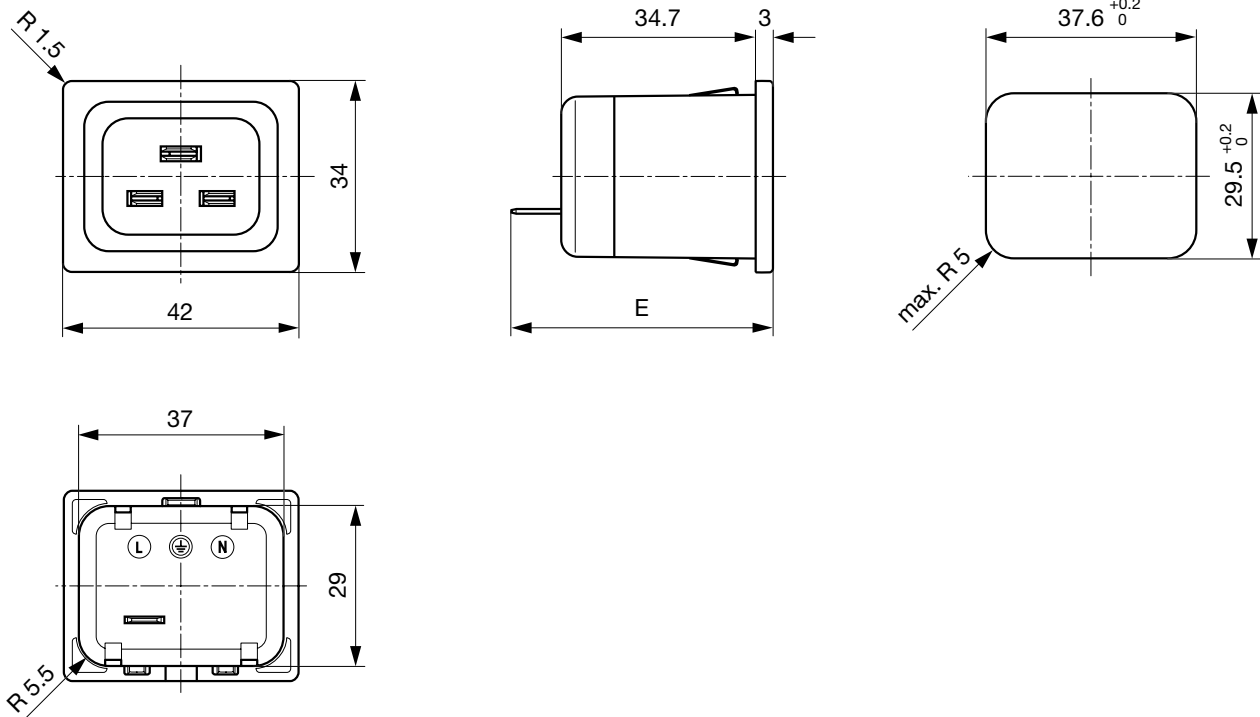
Version "along" (wires along to pin axis)

L/N/PE: IDC terminals



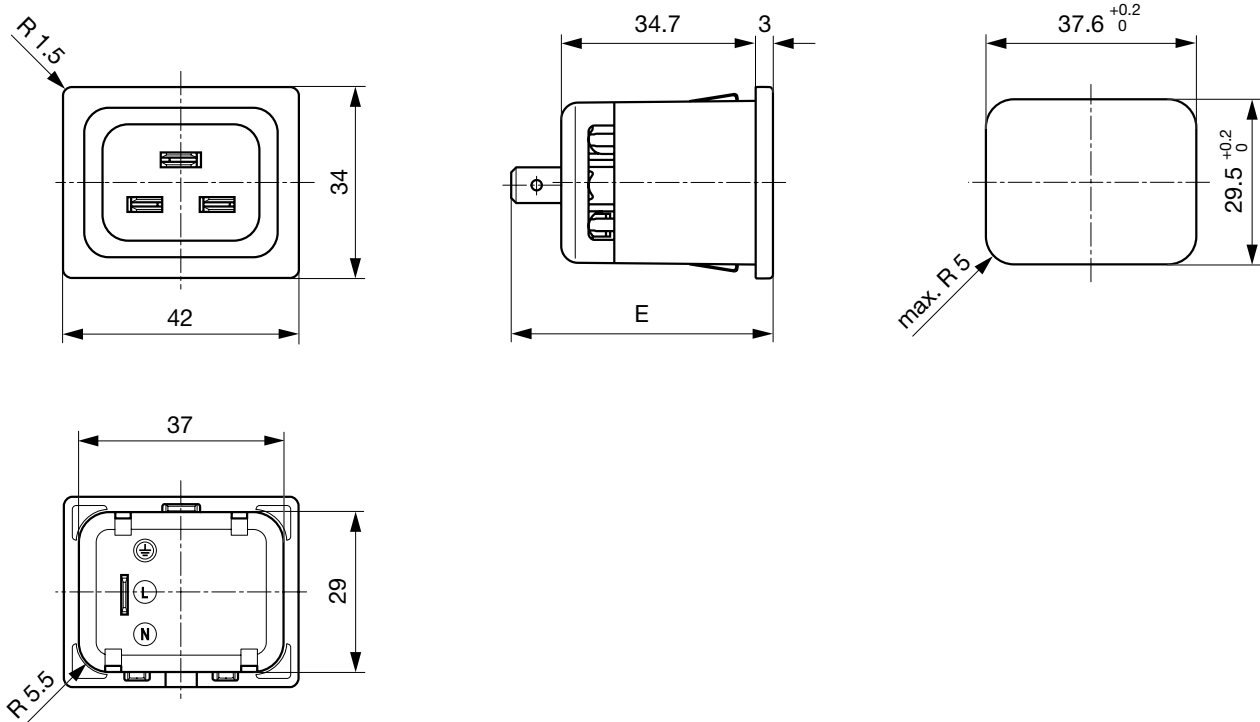
Version "cross" (wires cross to pin axis)

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

E: Quick connect terminal 6.3x0.8: 46.7 mm  
E: Solder terminal: 47.2 mm

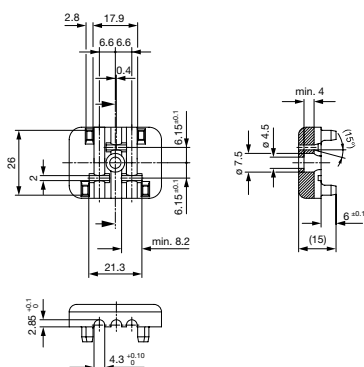
Version "along" (wires along to pin axis)

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

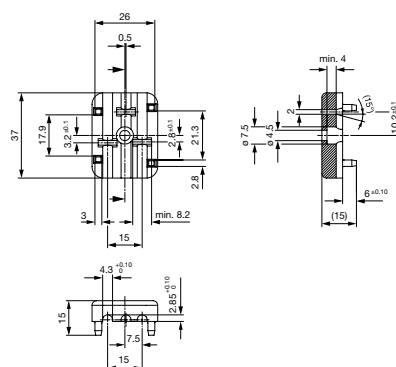
E: Quick connect terminal 6.3x0.8: 46.7 mm  
E: Solder terminal: 47.2 mm

## Assembly Instructions

Wire press version "cross"



Wire press version "along"



### All Variants

| Alignment 1) | Conductor cross section | Panel Thickness<br>s [mm] | Terminal type live contact          | Order Number |
|--------------|-------------------------|---------------------------|-------------------------------------|--------------|
| along        | 2.5 mm²                 | 1.5                       | IDC terminal                        | 4710.6014    |
| along        | 2.5 mm²                 | 1.5                       | Quick connect terminal 6.3 x 0.8 mm | 4710.6254    |
| along        | 2.5 mm²                 | 1.5                       | Solder terminal                     | 4710.6154    |
| along        | 4.0 mm² / 12 AWG        | 1                         | IDC terminal                        | 4710.4012    |
| along        | 4.0 mm² / 12 AWG        | 1.5                       | IDC terminal                        | 4710.4014    |
| along        | 4.0 mm² / 12 AWG        | 1.5                       | Quick connect terminal 6.3 x 0.8 mm | 4710.4254    |
| along        | 4.0 mm² / 12 AWG        | 1.5                       | Solder terminal                     | 4710.4154    |
| along        | 6.0 mm² / 10 AWG        | 1.5                       | IDC terminal                        | 4710.2014    |
| along        | 6.0 mm² / 10 AWG        | 1.5                       | Quick connect terminal 6.3 x 0.8 mm | 4710.2254    |
| along        | 6.0 mm² / 10 AWG        | 1.5                       | Solder terminal                     | 4710.2154    |
| cross        | 2.5 mm²                 | 1.5                       | IDC terminal                        | 4710.5014    |
| cross        | 2.5 mm²                 | 1.5                       | Quick connect terminal 6.3 x 0.8 mm | 4710.5254    |
| cross        | 2.5 mm²                 | 1.5                       | Solder terminal                     | 4710.5154    |
| cross        | 4.0 mm² / 12 AWG        | 1.5                       | IDC terminal                        | 4710.3014    |
| cross        | 4.0 mm² / 12 AWG        | 2                         | IDC terminal                        | 4710.3015    |
| cross        | 4.0 mm² / 12 AWG        | 1.5                       | Quick connect terminal 6.3 x 0.8 mm | 4710.3254    |
| cross        | 4.0 mm² / 12 AWG        | 1.5                       | Solder terminal                     | 4710.3154    |
| cross        | 6.0 mm² / 10 AWG        | 1.5                       | IDC terminal                        | 4710.1014    |
| cross        | 6.0 mm² / 10 AWG        | 1.5                       | Quick connect terminal 6.3 x 0.8 mm | 4710.1254    |
| cross        | 6.0 mm² / 10 AWG        | 1.5                       | solder terminal                     | 4710.1154    |

**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.

|                       |        |
|-----------------------|--------|
| <b>Packaging unit</b> | 50 Pcs |
|-----------------------|--------|

Mating Inlets/Plugs

Category / Description



[Plug Overview complete](#)

|                                                |      |
|------------------------------------------------|------|
| 4796, Mounting: Power Cord, Cable, Plug: IEC I | 4796 |
| 4789, Mounting: Power Cord, Screw, Plug: IEC I | 4789 |

[Plug further types to 4710](#)

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](#)

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