

## IEC Appliance Inlet C20 or C24, Split panel or screw-on mounting, PCB Terminal



Split panel mounting, Snap-in PCB 1.6 mm,  
Additional earth terminal 90° to connector axis



Split panel mounting, Screw-on PCB,  
Additional earth terminal 90° to connector axis



Screw-on panel mounting,  
Snap-in PCB 1.6 mm,  
Additional earth terminal in connector axis



See below:

[Approvals and Compliances](#)

### Description

- Panel mount :  
Splitpanel (sandwich) or screw-on from backside
- Appliance Inlet , Pin temperature 70 °C , protection class I or II
- V-Lock notch standard
- Additional ground terminal
- Safety of electrical appliances for household and similar purposes.  
Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 & -13.
- Variants with protection cover on rear side
- For PCB mounting: screw-on or snap-in 1.6 mm

### Other versions on request

- Further colours on request

### Weblinks

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

### Technical Data

|                                   |                                                                         |
|-----------------------------------|-------------------------------------------------------------------------|
| Ratings IEC                       | 16A / 250VAC; 50Hz                                                      |
| Ratings UL/CSA                    | 20A / 250VAC; 60Hz                                                      |
| Dielectric Strength               | > 1.5kVAC between L-N<br>> 1.5kVAC between L/N-PE<br>(1 min/50Hz)       |
| Allowable Operation Temperature   | -25 °C to 70 °C                                                         |
| IP-Protection                     | from front side IP20 acc. to IEC 60529                                  |
| Protection against electric shock | Suitable for appliances with protection class I or II acc. to IEC 61140 |
| Terminal                          | PCB terminals , additional ground terminal                              |
| Panel Thickness S                 | for sandwich mounting<br>1/1.2/1.5/2/2.5/3/4mm                          |
| Material: Housing                 | Thermoplastic, black, UL 94V-0                                          |

|                         |                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Appliance inlet/-outlet | C20 or C24 acc. to IEC 60320-1<br>UL 60320-1, CSA C22.2 no. 60320-1<br>(for cold conditions) pin-temperature 70 °C, 16A, Protection Class I or II |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

### 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: GSP4

| Approval Logo | Certificates                  | Certification Body | Description                                                |
|---------------|-------------------------------|--------------------|------------------------------------------------------------|
|               | <a href="#">VDE Approvals</a> | VDE                | Certificate Number: 40035923                               |
|               | <a href="#">UL Approvals</a>  | UL                 | UL File Number: E96454                                     |
|               | <a href="#">CCC Approvals</a> | CCC                | CCC Certificate Number: 2020180204014249, 2020180204014250 |

**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 | 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.                                                                                                         |
|  | Designed for applications acc. | IEC 60335-1    | Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 & -13. |

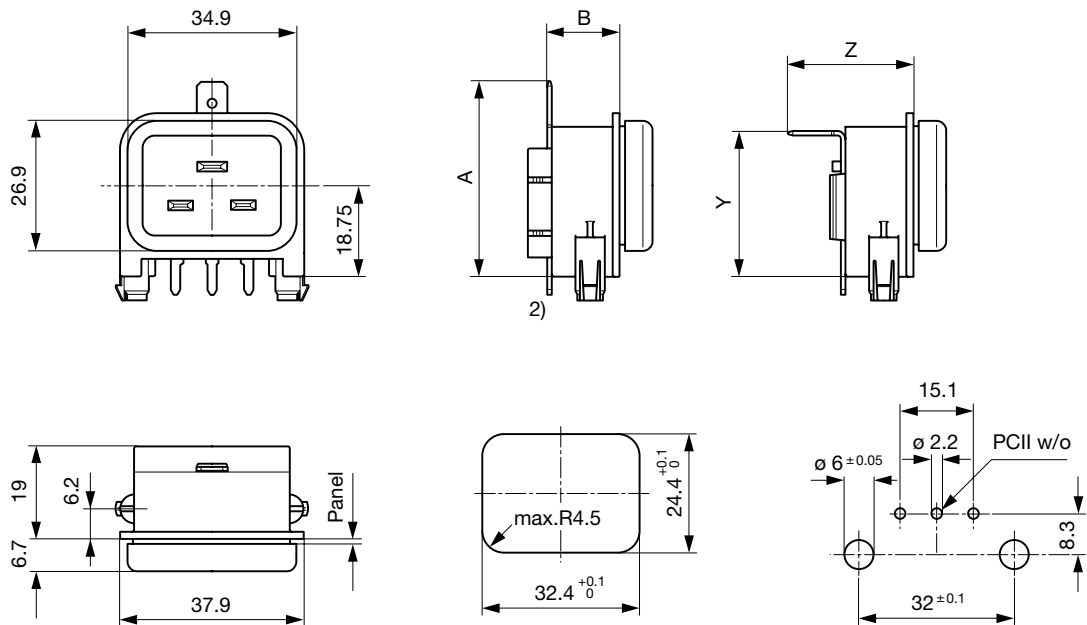
**Compliances**

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="#">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. |
|  | <a href="#">White Paper Glow wire test</a>   | SCHURTER AG | Meets the requirements of IEC 60335-1 for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 & -13.                                                      |

## Dimensions [mm]

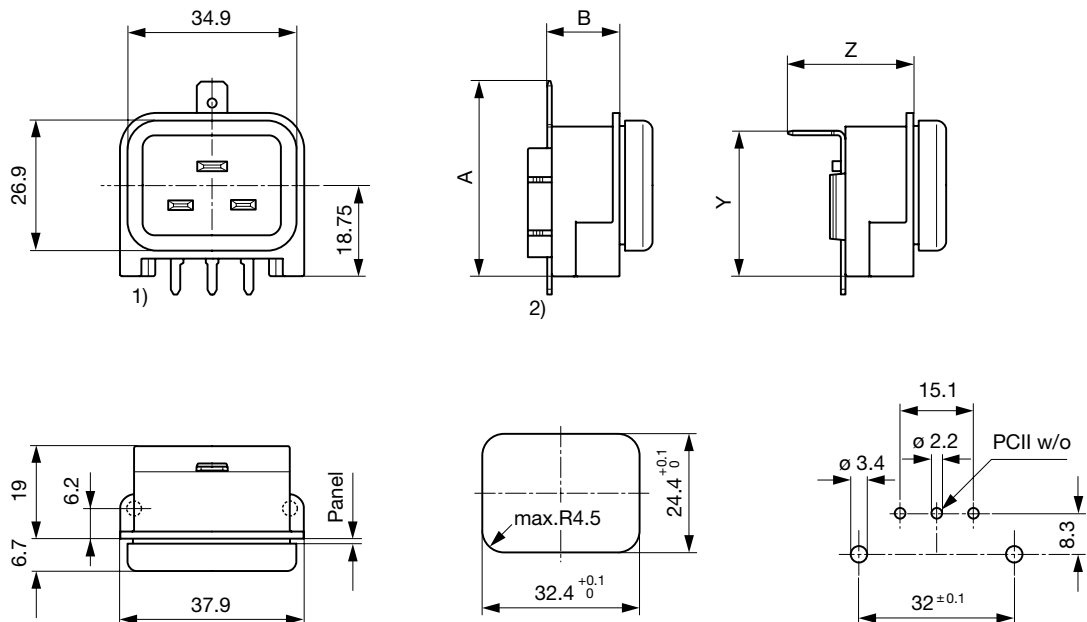
Split panel mounting / Snap-in on PCB



| Dimension                | A    | B    | Y    | Z    |
|--------------------------|------|------|------|------|
| Quick connect 6.3x0.8 mm | 40.3 | 15.0 | 30.0 | 25.9 |
| Solder                   | 37.3 | 15.0 | 30.0 | 22.9 |

2) with protection cover

Split panel mounting / Screw-on mounting on PCB

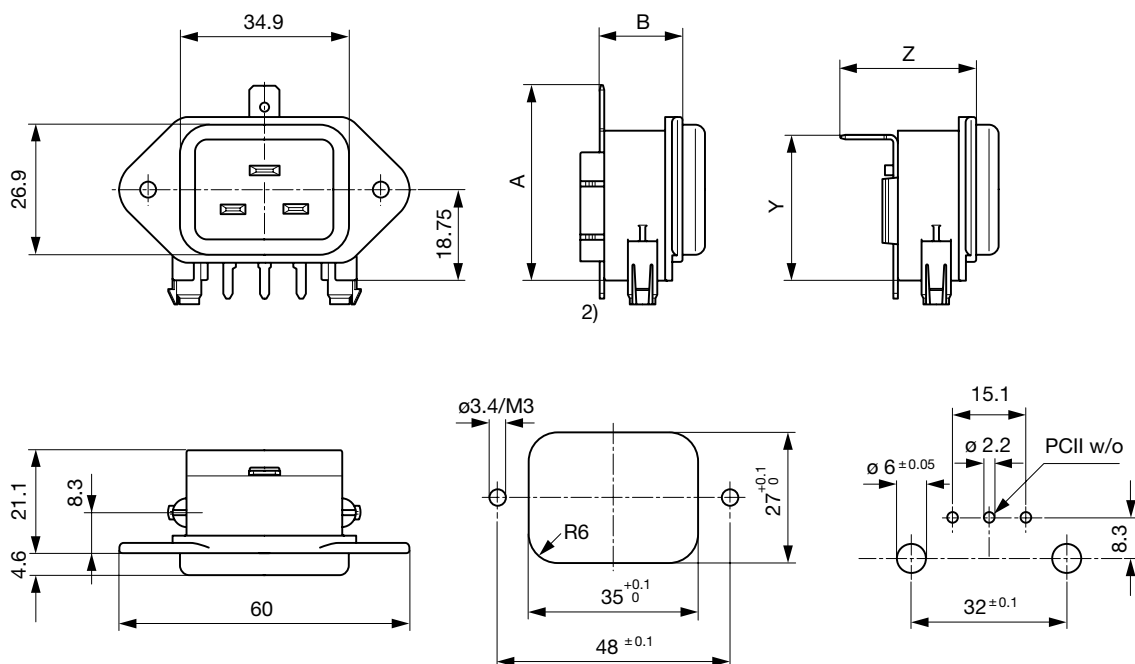


| Dimension                | A    | B    | Y    | Z    |
|--------------------------|------|------|------|------|
| Quick connect 6.3x0.8 mm | 40.3 | 15.0 | 30.0 | 25.9 |
| Solder                   | 37.3 | 15.0 | 30.0 | 22.9 |

1) Mounting screw torque max. 0.3 Nm

2) with protection cover

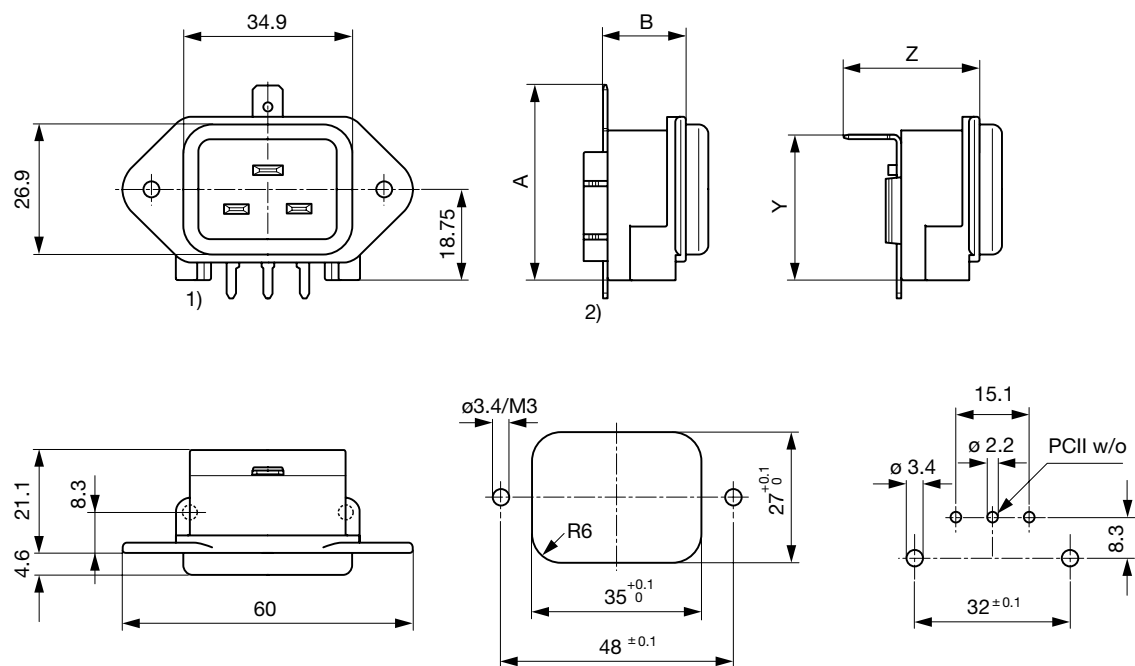
Screw-on rear side / Snap-in on PCB



| Dimension                | A    | B    | Y    | Z    |
|--------------------------|------|------|------|------|
| Quick connect 6.3x0.8 mm | 40.3 | 17.1 | 30.0 | 28.0 |
| Solder                   | 37.3 | 17.1 | 30.0 | 25.0 |

2) with protection cover

Screw-on rear side / Screw-on mounting on PCB



| Dimension                | A    | B    | Y    | Z    |
|--------------------------|------|------|------|------|
| Quick connect 6.3x0.8 mm | 40.3 | 17.1 | 30.0 | 28.0 |
| Solder                   | 37.3 | 17.1 | 30.0 | 25.0 |

1) Mounting screw torque max. 0.3 Nm

2) with protection cover

## All Variants

| Protection Class | Panel mounting | Panel Thickness [mm] | PCB mounting | Additional ground terminal          |                       | Cover   | Order Number                 |
|------------------|----------------|----------------------|--------------|-------------------------------------|-----------------------|---------|------------------------------|
|                  |                |                      |              | Terminal                            | Terminal direction    |         |                              |
| I                | Sandwich       | 1.0                  | Screw        | solder terminal                     | 90° to connector axis | none    | <a href="#">GSP4.010C.11</a> |
| I                | Sandwich       | 1.5                  | Screw        | Quick connect terminal 6.3 x 0.8 mm | straight              | none    | <a href="#">GSP4.0107.13</a> |
| I                | Sandwich       | 1.5                  | Screw        | solder terminal                     | 90° to connector axis | none    | <a href="#">GSP4.010C.13</a> |
| I                | Sandwich       | 1.5                  | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | 90° to connector axis | none    | <a href="#">GSP4.0205.13</a> |
| I                | Sandwich       | 1.5                  | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | straight              | none    | <a href="#">GSP4.0207.13</a> |
| I                | Sandwich       | 3.0                  | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | straight              | none    | <a href="#">GSP4.0207.16</a> |
| I                | Sandwich       | 3.0                  | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | straight              | mounted | <a href="#">GSP4.0217.16</a> |
| I                | Screw          | -                    | Screw        | Quick connect terminal 6.3 x 0.8 mm | straight              | none    | <a href="#">GSP4.0107.10</a> |
| I                | Screw          | -                    | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | 90° to connector axis | none    | <a href="#">GSP4.0205.10</a> |
| I                | Screw          | -                    | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | straight              | none    | <a href="#">GSP4.0207.10</a> |
| I                | Screw          | -                    | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | straight              | mounted | <a href="#">GSP4.0217.10</a> |
| II               | Sandwich       | 1.5                  | Snap-in      | -                                   | -                     | mounted | <a href="#">GSP4.0210.13</a> |

 Most Popular.

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

With screw mounting on PCB, 2 screws are included

**Packaging unit** 50 Pcs

## Mating Outlets/Connectors

### Category / Description



[Appliance Outlet Overview complete](#)

5017, Mounting: Screw-on mounting, 250 VAC, 16 A, Appliance Outlet: IEC

5017

[Appliance Outlet further types to GSP4](#)



[Connector Overview complete](#)

4795, Mounting: Power Cord, Cable Connector: IEC C19

4795

4790, Mounting: Power Cord, Screw Connector: IEC C19

4790

[Connector further types to GSP4](#)



[Power Supply Cord Overview complete](#)

Cord Sets 16 A, Europlug, 2.5 m, Connector IEC C19, H05VV-F3G1.5, black

6004.0395

Cord Sets 16 A, Interconnection, 1.0 m, Connector IEC C19, H05VV-F3G1.5, black

6020.0392

Cord Sets 16 A, Interconnection, 2.0 m, Connector IEC C19, H05VV-F3G1.5, black

6020.0394

[Power Supply Cord further types to GSP4](#)

Mating Outlets/Connectors shuttered



Power Cord Overview complete

VAC19KS, Overview, V-Lock cord retaining, diverse Connector IEC C19, diverse, black

VAC19KS

[Power Cord further types to GSP4](#)