

## IEC Appliance Inlet C20, 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
- 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

### References

We recommend for new applications the type [4793](#)

### Weblinks

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

### 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                     | front side IP20 acc. to IEC 60529                                 |
| Protection against electric shock | Suitable for appliances with protection class I acc. to IEC 61140 |
| Terminal                          | PCB terminals , additional ground terminal                        |
| Panel Thickness S                 | for sandwich mounting 1.0/1.5mm                                   |
| Material: Housing                 | Thermoplastic, black, UL 94V-0                                    |

|                         |                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Appliance inlet/-outlet | C20 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 |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

### 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                 | UR 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                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------|--------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Suitable for applications acc. | IEC/UL 62368-1 | Audio/video, information and communication technology equipment - Part 1: Safety requirements                                                                                                                                |
|  | Suitable 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. |

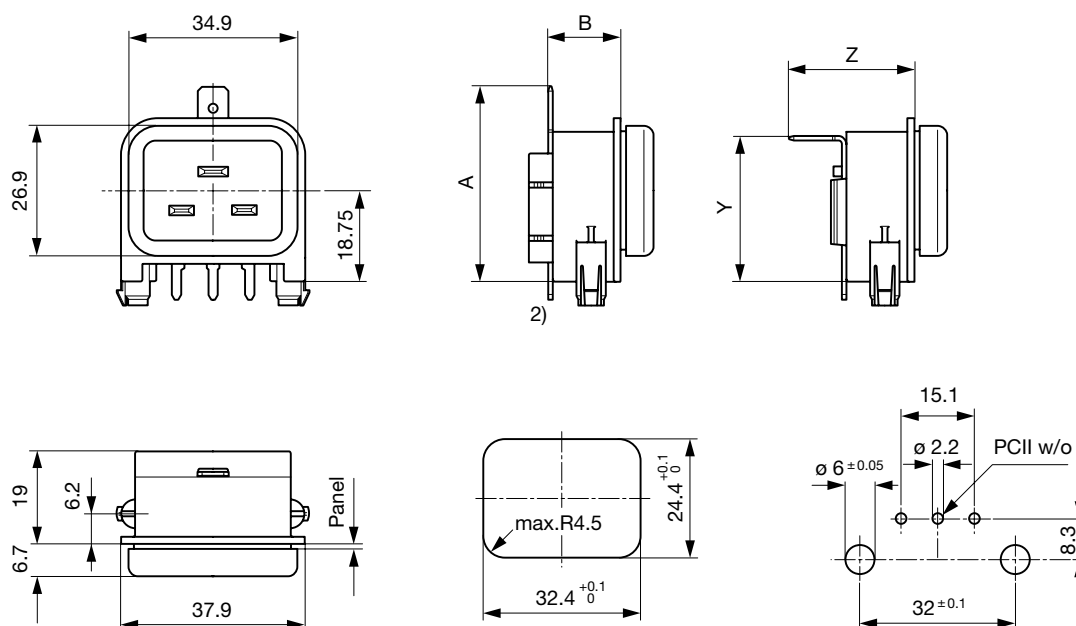
**Compliances**

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="#">UKCA declaration of conformity</a> | SCHURTER AG | The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 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.                                                      |
|  |                                                | 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]

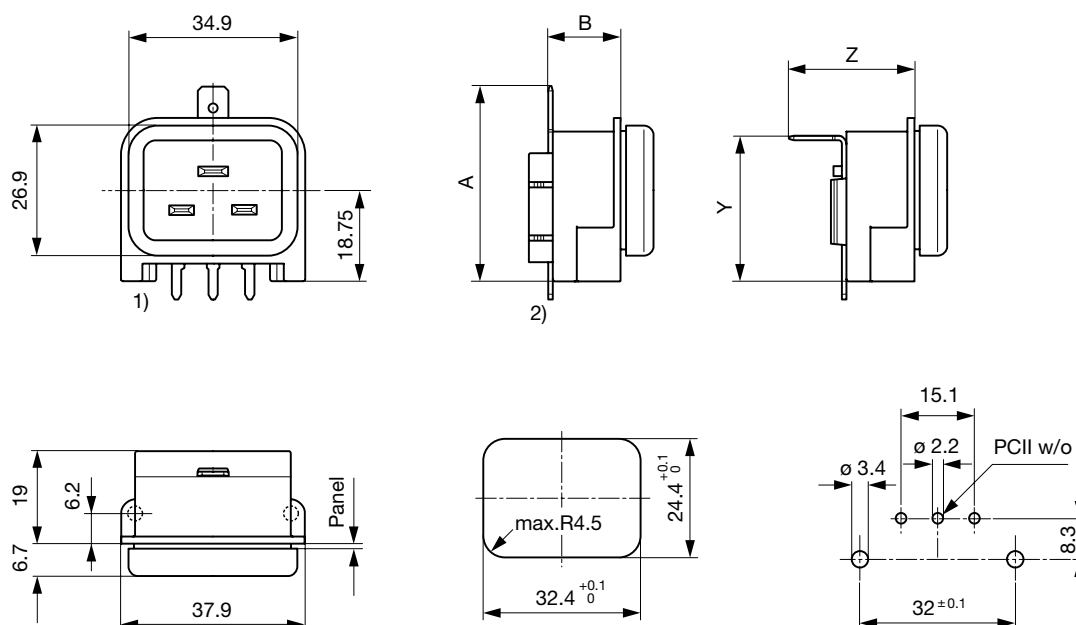
Split panel mounting / Snap-in on PCB



| 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

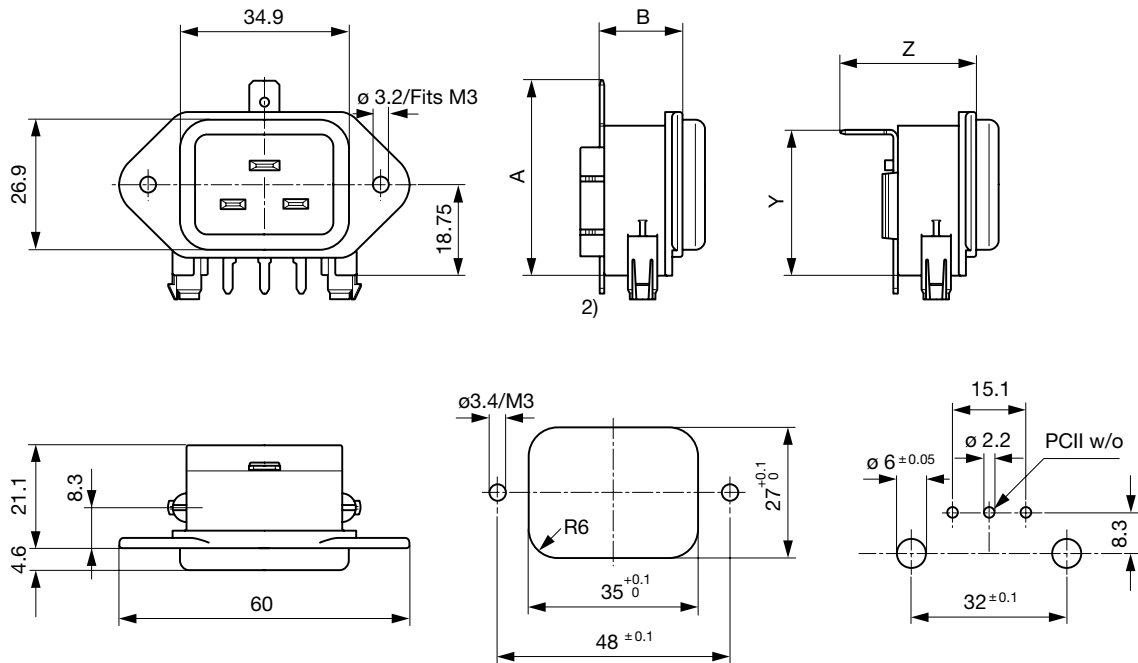


| Dimension                | A    | B    | Y    | Z    |
|--------------------------|------|------|------|------|
| Quick connect 6.3x0.8 mm | 40.3 | 15.0 | 30.0 | 25.9 |
| Solder                   | 37.3 | 15.0 | 30.0 | 22.9 |

1) Mounting screw torque max. 0.3 Nm

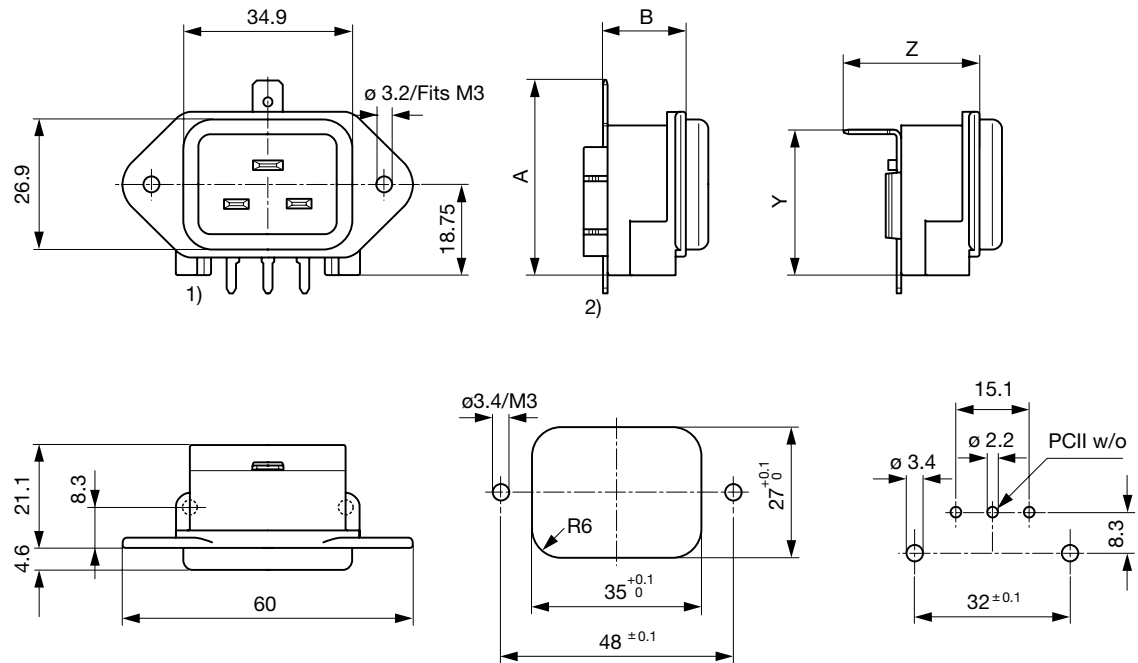
2) with protection cover

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

## Variants

| Protection Class | Panel mounting | Panel Thickness [mm] | PCB mounting | Additional ground terminal          |                       | Cover   | Order Number |
|------------------|----------------|----------------------|--------------|-------------------------------------|-----------------------|---------|--------------|
|                  |                |                      |              | Terminal                            | Terminal direction    |         |              |
| I                | Sandwich       | 1.0                  | Screw        | Quick connect terminal 6.3 x 0.8 mm | 90° to connector axis | mounted | 3-104-933    |
| I                | Sandwich       | 1.5                  | Screw        | Quick connect terminal 6.3 x 0.8 mm | in line with PIN-axis | none    | GSP4.0107.13 |
| I                | Sandwich       | 1.0                  | Screw        | solder terminal                     | 90° to connector axis | none    | GSP4.010C.11 |
| I                | Sandwich       | 1.5                  | Screw        | solder terminal                     | 90° to connector axis | none    | GSP4.010C.13 |
| I                | Sandwich       | 1.5                  | Screw        | Quick connect terminal 6.3 x 0.8 mm | in line with PIN-axis | mounted | GSP4.0117.13 |
| I                | Sandwich       | 1.5                  | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | in line with PIN-axis | none    | GSP4.0207.13 |
| I                | Screw          | -                    | Screw        | solder terminal                     | in line with PIN-axis | none    | 3-124-857    |
| I                | Screw          | -                    | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | in line with PIN-axis | none    | GSP4.0207.10 |
| I                | Screw          | -                    | Snap-in      | Quick connect terminal 6.3 x 0.8 mm | in line with PIN-axis | mounted | GSP4.0217.10 |

Availability for all products can be searched real-time: <https://www.schurter.com/en/info-center/support-tools/stock-check-distributors>

With screw mounting on PCB, 2 screws are included

## Packaging unit

50 Pcs

## Mating Outlets/Connectors

### Category / Description



[Connector Overview complete](#)

|                                                      |      |
|------------------------------------------------------|------|
| 4795, Mounting: Power Cord, Cable Connector: IEC C19 | 4795 |
| 4790, Mounting: Power Cord, Screw Connector: IEC C19 | 4790 |



[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 |

## Mating Outlets/Connectors shuttered



[Connector Overview complete](#)

|                                                      |      |
|------------------------------------------------------|------|
| 4799, Mounting: Power Cord, Cable Connector: IEC C19 | 4799 |
|------------------------------------------------------|------|



[Power Cord Overview complete](#)

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