IEC Appliance Inlet C18, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal




C18

70° C

See below:
**Approvals and Compliances**

## Description

- Panel mount :
  Snap-in version front side
- 1 Function :

- Appliance Inlet , Pin temperature 70 °C , Protection class II
- Variants with factory mounted inlet gasket and sealing kit for IP54 into the equipement and the pluggable power supply
- Solder / Quick Connect

## Unique Selling Proposition

- Variants made from plant-based plastics with 2.75 kg CO2 reduction per packaging unit
- The plant-based plastics meet the increased glow wire test requirements according to IEC 60695-2-12 and -13
- For use in unattended household appliances according to IEC 60335-1

## Other versions on request

- Other panel thickness

## References

Alternative: Version in protection class I 6100-4; 6100-4
Alternative: version with line filter 5120

## Weblinks

pdf data sheet, html datasheet, General Product Information, Approvals, Distributor-Stock-Check, Accessories, Detailed request for product

## Technical Data

| | |
|---|---|
| Ratings IEC | 10 A / 250 VAC; 50 Hz |
| Ratings UL/CSA | 15 A / 250 VAC; 60 Hz |
| Dielectric Strength | > 2 kVAC between L-N (1 min/50 Hz) |
| Allowable Operation Temperature | -25 °C to 70 °C |
| IP-Protection | front side IP30 acc. to IEC 60529 |
| Protection against electric shock | Suitable for appliances with protection class II acc. to IEC 61140 |
| Terminal | Solder / Quick Connect |
| Panel Thickness S | Snap-in: 1/1.2/1.5/2/2.5/3 mm Tolerance +/- 0.05 mm |
| Material: Housing | Thermoplastic, black, UL 94V-0 |

| | |
|---|---|
| Appliance inlet/-outlet | C18 acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class 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: 6102

| Approval Logo | Certificates | Certification Body | Description |
|---|---|---|---|
| | VDE Approvals | VDE | Certificate Number: 40015595 |
| | UL Approvals | UL | UR File Number: E96454 |
| | CCC Approvals | CCC | CCC Certificate Number: |

## Product standards

Product standards that are referenced

| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed according to | IEC 60320-1 | Appliance couplers for household and similar general purposes |
| UL | Designed according to | UL 60320-1 | Standard for Attachment Plugs and Receptacles |
| CSA Group | 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

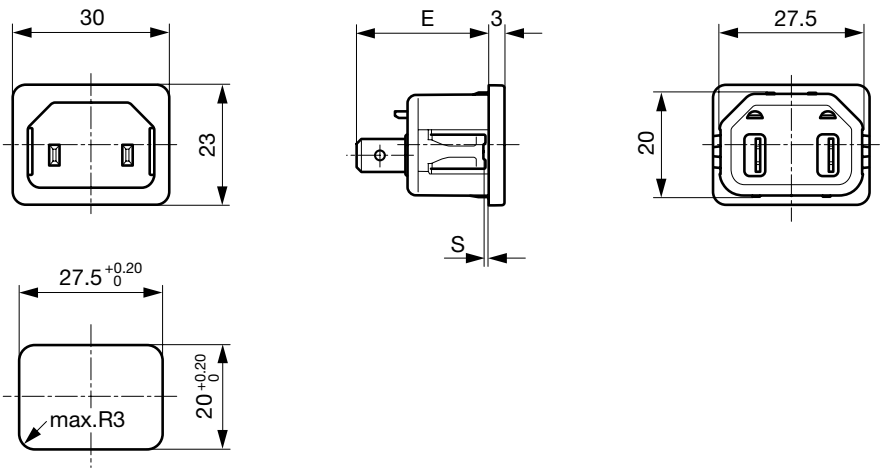
| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Suitable for applications acc. | IEC/UL 62368-1 | Audio/video, information and communication technology equipment - Part 1: Safety requirements |
| IEC | Suitable for applications acc. | IEC 60335-1 | Safety of electrical appliances 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 |
|---|---|---|---|
| CE | CE declaration of conformity | 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. |
| UKCA | UKCA declaration of conformity | 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. |
| RoHS | RoHS | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863 |
| China RoHS | China RoHS | 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. |
| REACH | REACH | 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. |
| White Paper Glow wire test | White Paper Glow wire test | 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. |
| Green Line | Green Line | SCHURTER AG | Green Line products are aligned with the UN's Strategic Development Goals (SDGs). Components of the products are made of sustainable, environmentally friendly materials. These include, for example, bio-based plastics or lead-free metal alloys. Products in this line can also support the economical, intelligent use of resources. |

## Dimensions [mm]




E: Solder terminals 22.5 mm
E:Quick connect terminals 25.5 mm
S: 1.0, 1.2, 1.5, 2.0, 2.5, 3.0 mm

## Variants

| | Panel mounting | Panel Thickness s [mm] | Terminal | IP Protection Class Front Side | Protection Class | Order Number |
|---|---|---|---|---|---|---|
| | Snap-in | 1.5 | Quick connect terminals 4.8 x 0.8 mm | IP30 | II | 6102.5215 |
| | Snap-in | 2 | Quick connect terminals 4.8 x 0.8 mm | IP30 | II | 6102.5220 |
| | Snap-in | 2.5 | Quick connect terminals 4.8 x 0.8 mm | IP30 | II | 6102.5225 |
| ● | Snap-in | 3 | Quick connect terminals 4.8 x 0.8 mm | IP30 | II | 3-145-176 |
| | Snap-in | 3 | Quick connect terminals 4.8 x 0.8 mm | IP30 | II | 6102.5230 |
| | Snap-in | 1 | Quick connect terminals 6.3 x 0.8 mm | IP30 | II | 6102.5310 |
| | Snap-in | 1.2 | Quick connect terminals 6.3 x 0.8 mm | IP30 | II | 6102.5312 |
| | Snap-in | 1.5 | Quick connect terminals 6.3 x 0.8 mm | IP30 | II | 6102.5315 |
| | Snap-in | 2 | Quick connect terminals 6.3 x 0.8 mm | IP30 | II | 6102.5320 |
| | Snap-in | 2.5 | Quick connect terminals 6.3 x 0.8 mm | IP30 | II | 6102.5325 |
| | Snap-in | 3 | Quick connect terminals 6.3 x 0.8 mm | IP30 | II | 6102.5330 |
| | Snap-in | 1 | Solder terminals 3.8 x 0.8 mm | IP30 | II | 6102.5110 |
| | Snap-in | 1.2 | Solder terminals 3.8 x 0.8 mm | IP30 | II | 6102.5112 |
| | Snap-in | 1.5 | Solder terminals 3.8 x 0.8 mm | IP30 | II | 6102.5115 |
| | Snap-in | 2.5 | Solder terminals 3.8 x 0.8 mm | IP30 | II | 6102.5125 |
| | Snap-in | 3 | Solder terminals 3.8 x 0.8 mm | IP30 | II | 6102.5130 |

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

Articles for enhanced glow wire test requirements acc. IEC 60695-2-12 and -13 can be ordered with ending ".15" (xxxx.xxxx.15). They are suitable for the use in unattended household equipment acc. IEC 60335-1.

## Packaging unit

50 Pcs

## Accessories



**Description**

RC320
Rear Cover for Power Entry Module



Cord_retaining_kits
Cord retaining strain relief

| | |
|---|---|
| Countersunk, C | 4700.0003 |

## Mating Outlets/Connectors



**Category / Description**

Connector Overview complete

| | |
|---|---|
| 4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4782 |
| 4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4785 |
| 4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4300-06 |
| 4781 Mounting: Power Cord, Cable, Connector: IEC C15 | 4781 |
| 4784 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C15 | 4784 |

## Mating Outlets/Connectors shuttered



Power Cord Overview complete

| | |
|---|---|
| VAC17KS, V-Lock cord retaining, diverse m, Connector IEC C17, diverse, black / grey / white | VAC17KS |

06.04.2025



The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.