

IEC Appliance Inlet C16A, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal



6120-5



See below:

Approvals and Compliances

Description

- Panel mount :
 Snap-in version front side
- 1 Function
- Appliance Inlet , Pin temperature 155 °C , Protection class I
- Solder / Quick Connect

Other versions on request

- Other panel thickness
- Quick connect terminals 4.8 x 0.8 mm
- Types for enhanced glow wire test requirements acc. IEC 60695-2-12 and -13 for the use in unattended household equipment acc. IEC 60335-1

References

Last order date: 15.12.2023

Weblinks

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

Technical Data

| | | | |
|-----------------------------------|---|-------------------------|---|
| Ratings IEC | 10A / 250VAC; 50Hz | Appliance inlet/-outlet | C16A acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 60320-1 (for very hot conditions) pin-temperature 155 °C, 10A, Protection Class I |
| Ratings UL/CSA | 15A / 250VAC; 60Hz | | |
| Dielectric Strength | > 2kVAC between L-N > 2kVAC between L/N-PE (1 min/50Hz) | | |
| Allowable Operation Temperature | -25 °C to 155 °C | | |
| IP-Protection | front side IP30 acc. to IEC 60529 | | |
| Protection against electric shock | Suitable for appliances with protection class I acc. to IEC 61140 | | |
| Terminal | Solder / Quick Connect | | |
| Panel Thickness S | Snap-in: 1.5/2.5/3 mm | | |
| Material: Housing | Thermoplastic, black, UL 94V-0 | | |

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: 6120

| 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: 2014010204726618 |


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 |

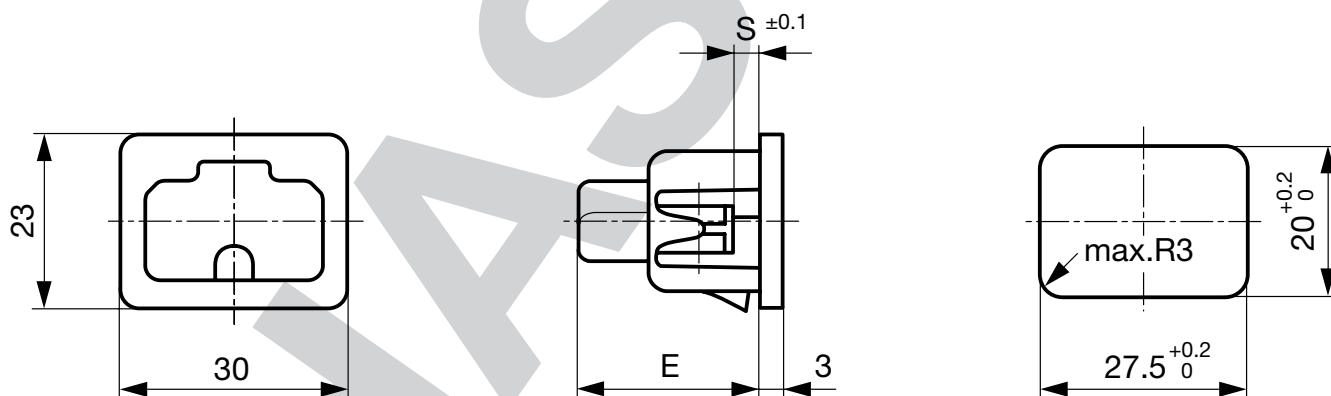
Compliances

The product complies with following Guide Lines

| Identification | Details | Initiator | Description |
|--|--|-------------|---|
|  | 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 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 | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863 |
|  | 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 | 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. |

Dimensions [mm]

6120-5



E: Solder terminals: 22.5 mm

E: Quick connect terminals: 25.5 mm

S: 1.5, 2.5, 3.0 mm

All Variants

| Type | Panel mounting | Panel Thickness s [mm] | Terminal | Order Number |
|--------|----------------|------------------------|--------------------------------------|--------------|
| 6120-5 | Snap-in | 1.5 | Solder terminals 3.8 x 0.8 mm | 6120.5115 |
| 6120-5 | Snap-in | 2.5 | Solder terminals 3.8 x 0.8 mm | 6120.5125 |
| 6120-5 | Snap-in | 3 | Solder terminals 3.8 x 0.8 mm | 6120.5130 |
| 6120-5 | Snap-in | 1.5 | Quick connect terminals 6.3 x 0.8 mm | 6120.5315 |
| 6120-5 | Snap-in | 2.5 | Quick connect terminals 6.3 x 0.8 mm | 6120.5325 |
| 6120-5 | Snap-in | 3 | Quick connect terminals 6.3 x 0.8 mm | 6120.5330 |

| Type | Panel mounting | Panel Thickness s [mm] | Terminal | Order Number |
|--|----------------|---------------------------|----------|--------------|
| Availability for all products can be searched real-time: https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER | | | | |
| 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 | | |