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

6120-5

C16 A

155° C

See below:
Approvals and Compliances

Description

- Panel mount :
  Snap-in version from front side
- 1 Function
- Appliance Inlet , Pin temperature 155 °C , Protection class I
- Solder terminals or quick connect terminals

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

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 > 2 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temperature	-25 °C to 155 °C
IP-Protection	from front side IP30 acc. to IEC 60529
Protection against electric shock	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Solder terminals or quick connect terminals
Panel Thickness S	Snap-in: 1.5/2.5/3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

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, 10 A, 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: 6120

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40015595
	UL Approvals	UL	UL File Number: E96454
	CCC Approvals	CCC	CCC Certificate Number: 2014010204726618

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

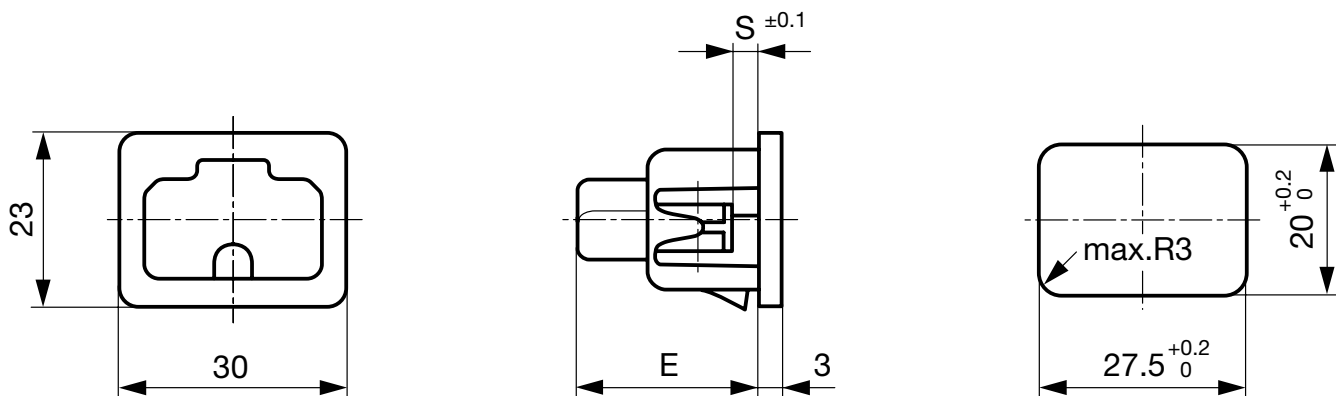| Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.

Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
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.
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.

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	Quick connect terminals 6.3 x 0.8 mm	6120.5315
6120-5	Snap-in	1.5	Solder terminals 3.8 x 0.8 mm	6120.5115
6120-5	Snap-in	2.5	Quick connect terminals 6.3 x 0.8 mm	6120.5325
6120-5	Snap-in	2.5	Solder terminals 3.8 x 0.8 mm	6120.5125
6120-5	Snap-in	3	Quick connect terminals 6.3 x 0.8 mm	6120.5330
6120-5	Snap-in	3	Solder terminals 3.8 x 0.8 mm	6120.5130

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

Type	Panel mounting	Panel Thickness s [mm]	Terminal	Order Number

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

Mating Outlets/Connectors

Category / Description

Connector Overview complete

4771 Mounting: Power Supply Cord, 3 x 1 mm² / 3 x 14 AWG, Screw clamps, Connector: IEC C15A	4771
4772 Mounting: 3 x 1 mm² / 3 x 14 AWG, Screw clamps, Connector: IEC C15A	4772

Connector further types to 6120-5

18.08.2020

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schurter](#):
  [6120.5315](#)   [6120.533](#)   [6120.5330](#)