IEC Appliance Inlet C18, Screw-on Mounting, Front or Rear Side, Solder or Quick-connect Terminal

new

6102-3

C18

70° C

See below:
Approvals and Compliances

Description
- Panel mount :
  Screw-on mounting front / rear-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
- Types for rivet mounting available upon request

References
Alternative: Version in protection class I   6100-3
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 IP40 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	Screw: max 8 mm Mounting screw torque max 0.5 Nm
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
10	VDE Approvals	VDE	Certificate Number: 40015595
C US	UL Approvals	UL	UR File Number: E96454
CCC	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 COMPLIANT	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
e	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	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	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]
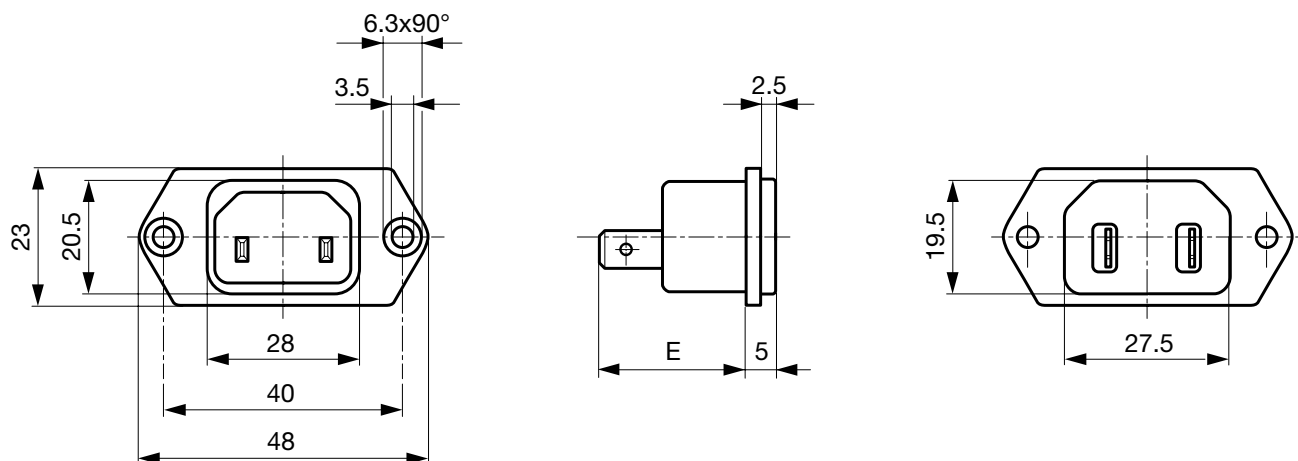
E: Solder terminals 20.5 mm
E: Quick connect terminals 23.5 mm

1) Ø 3.5 / M3   max.R3   28 +0.2/0   40 ±0.2   20 +0.2/0

2) Ø 3.5   max.R3   28.5 +0.2/0   40 ±0.2   21 +0.2/0
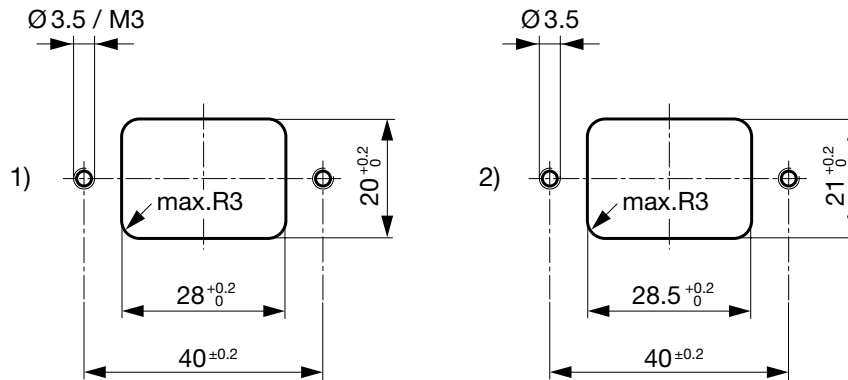
1) mounting from front-side
2) mounting from rear-side

Variants

	Panel mounting	Panel Thickness s [mm]	Terminal	IP Protection Class Front Side	Protection Class	Order Number
●	Screw	-	Quick connect terminals 4.8 x 0.8 mm	IP40	II	3-145-164
	Screw	-	Quick connect terminals 4.8 x 0.8 mm	IP40	II	6102.3200
●	Screw	-	Quick connect terminals 6.3 x 0.8 mm	IP40	II	3-145-174
	Screw	-	Quick connect terminals 6.3 x 0.8 mm	IP40	II	6102.3300
●	Screw	-	Solder terminals 3.8 x 0.8 mm	IP40	II	3-145-163
	Screw	-	Solder terminals 3.8 x 0.8 mm	IP40	II	6102.3100

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

Flat head, A		4700.0001

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