IEC Appliance Inlet C6, insert Mounting, Front or Rear Side, Solder, PCB or Quick-connect Terminal

Frontside

from rear side

C6

70° C

See below:
Approvals and Compliances

Description

- Drop-in type
- Appliance Inlet , Pin temperature 70 °C Protection class I
- Solder / Quick Connect / PCB Terminal

Characteristics

- Contact pins are turned from solid material

Weblinks

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

Technical Data

Ratings IEC	2.5 A / 250 VAC; 50 Hz
Ratings UL/CSA	7 A / 125 VAC; 60 Hz
Dielectric Strength	> 4 kVAC between L-N > 2 kVAC between L/N-PE (1 min/50 Hz)
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
Material: Housing	PA6, black, UL 94V-0

Appliance inlet/-outlet	C6 acc. to IEC 60320-1 UL 60320-1, CSA C22.2 no. 60320-1-11 (for cold conditions) pin-temperature 70 °C, 2.5 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: 2563

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	VDE Certificate Number: 40002273
	UL Approvals	UL	UR File Number: E96454
	CCC Approvals	CCC	CCC Certificate Number: 2026180204087776

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. 60320-1-11	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

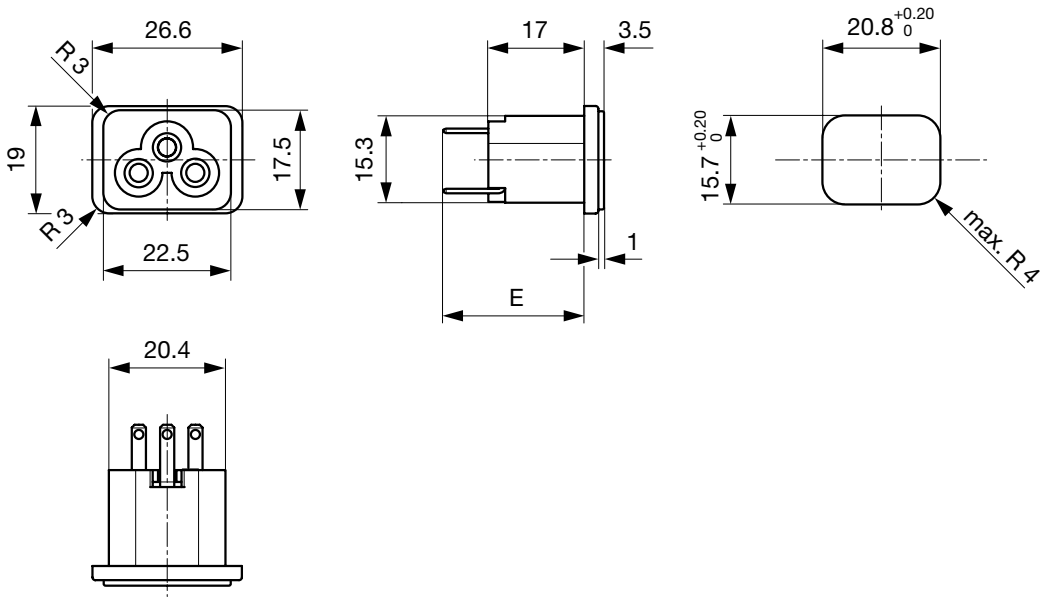
Compliances

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
50	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.

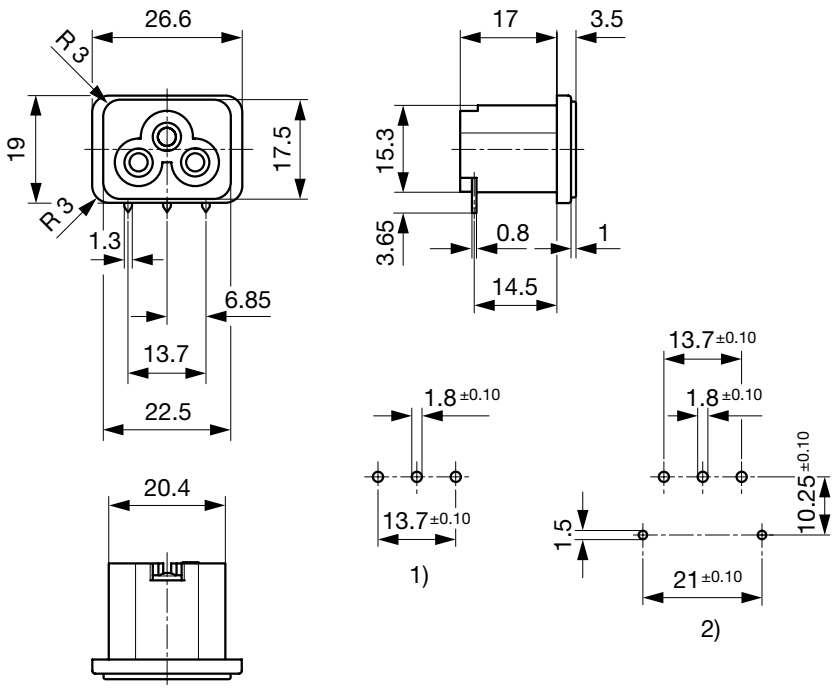
Dimensions [mm]

Solder/quick connect terminals



E: Solder terminals short: 18.9 mm
E: Solder terminals long: 22.6 mm
E: Quick connect terminals 2.8x0.8 mm: 24.9 mm

PCB



1) without retaining bracket
2) with retaining bracket

Order number key

2	5	6	3	-	X	-	4	4	4	0	-	A	-	5	00
					1		2	3	4			5		6	7

Version			1
Application inlet C6	=	X	
Terminal L			2
Solder, L = 4.8mm	=	2	
PCB	=	4	
Quick connect 2.8x0.8	=	7	
Terminal N			3
Solder, L = 4.8mm	=	2	
PCB	=	4	
Quick connect 2.8x0.8	=	7	
Terminal PE			4
Solder, L = 4.8mm	=	2	
PCB	=	4	
Quick connect 2.8x0.8	=	7	
Colour			5
black	=	A	
Mounting			6
Insert	=	5	
Customer spec. Types			7
Standard	=	00	

Variants

Terminals L / N	Terminal Ground	Config. Code	Order Number
PCB-terminal standard (additional solder terminal)	PCB-terminal standard (additional solder terminal)	2563-X-4440-A-500	6160.0003

The listed variants should be available from stock. Other versions on request www.schurter.com/contact

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

Packaging unit 100 Pcs

16.09.2026

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.