IEC Appliance Inlet C8, Snap-in Mounting, Front Side, Solder, PCB or Quick-connect Terminal



C8

70° C

See below:
Approvals and Compliances

Description

- Panel mount :
  Snap-in version , Front Side
- Appliance Inlet , Pin temperature 70 °C , Protection class II
- Solder / Quick Connect / PCB Terminal

Characteristics

- Contact pins are turned from solid material

References

Alternative: version for screw mounting 2576
Alternative: version with line filter 5008
Alternative: Inlet with retainer and country specific cord set 2578 retaining kit

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	2.5 A / 250 VAC; 60 Hz 7 A / 125 VAC; 60 Hz
Dielectric Strength	> 3 kVAC between L-N > 1.5 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 II acc. to IEC 61140
Panel Thickness S	Snap-in version 1.5/2/2.5/3 mm
Material: Housing	PA6, black / grey / white, UL 94V-0

Appliance inlet/-outlet	C8 acc. to IEC 60320-1 UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 2.5 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: 2578

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	VDE Certificate Number: 40034368
	UL Approvals	UL	UR File Number: E96454

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

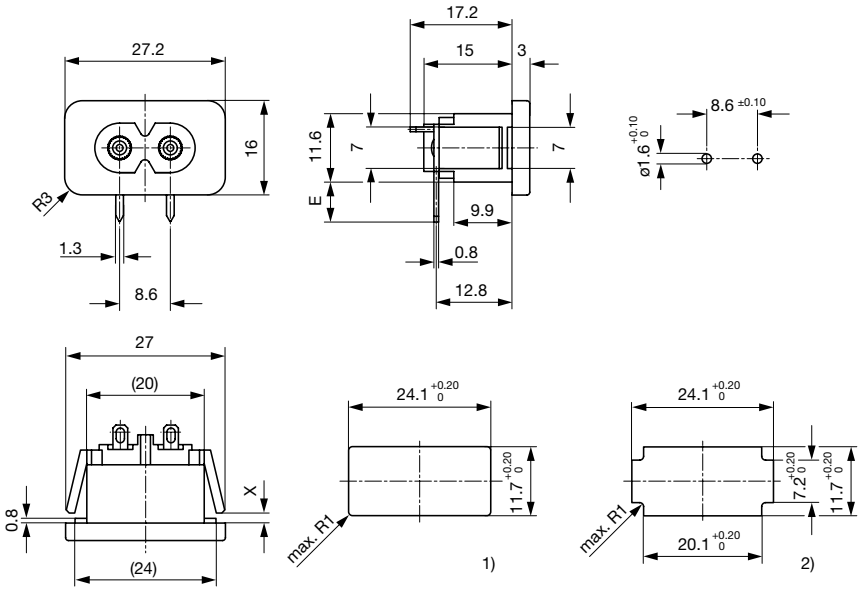
Compliances

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
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]

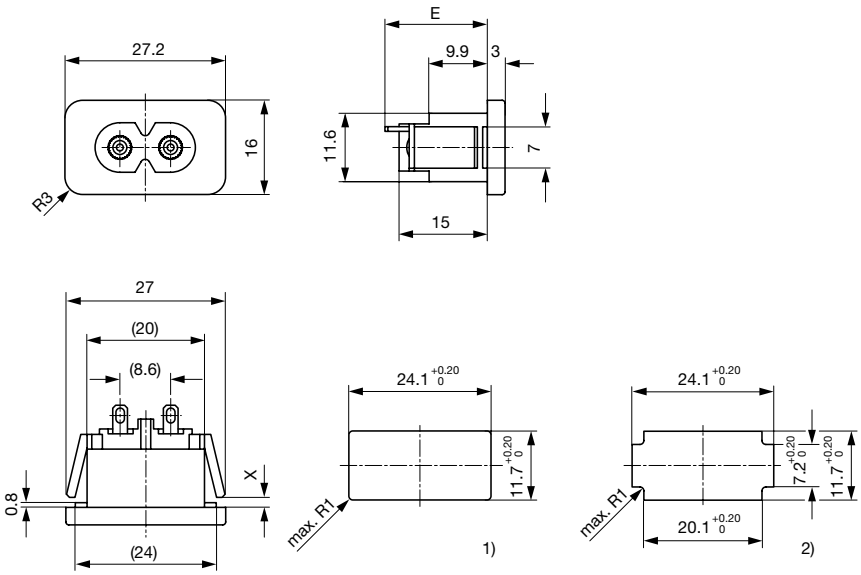
PCB terminal with additional solder terminal in orientation A (horizontal)



E = PCB terminal standard (additional solder): 6.8 mm
E = PCB terminal short (additional solder): 0.7 mm
E = PCB terminal long (additional solder): 15.8 mm
E = PCB terminal standard: 6.5 mm
E = PCB terminal short: 5.0 mm
E = PCB terminal long: 7.6 mm

1) Panel cut-out for panel thickness 1.5 / 2.0 / 2.5 / 3.0 mm
2) Panel cut-out for panel thickness 1.0 mm

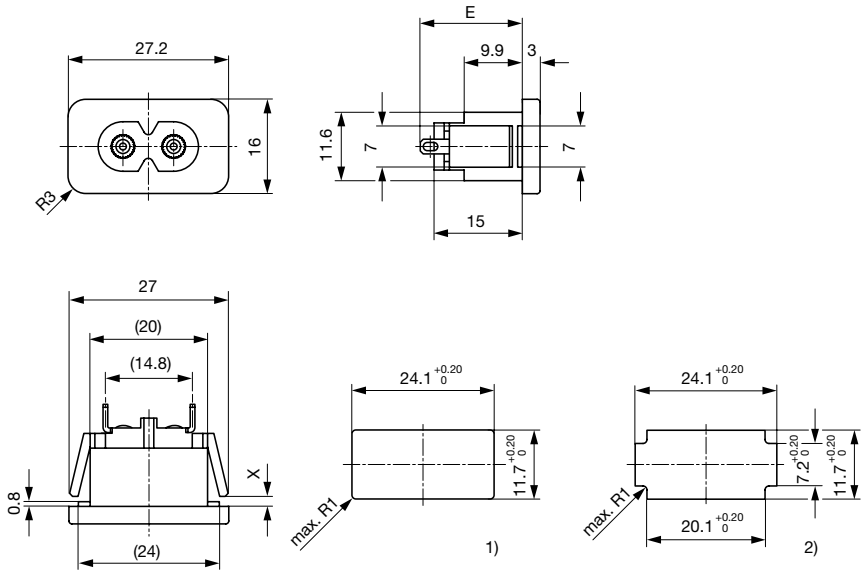
Quick connect or solder terminal in orientation A (horizontal)



E = Solder terminal short: 17.3 mm
E = Solder terminal long: 21.0 mm
E = Quick-connect terminal 2.8x0.8 mm: 23.3 mm

1) Panel cut-out for panel thickness 1.5 / 2.0 / 2.5 / 3.0 mm
2) Panel cut-out for panel thickness 1.0 mm

Quick connect or solder terminal in orientation B (vertical)



E = Solder terminal short: 17.3 mm
E = Solder terminal long: 21.0 mm
E = Quick-connect terminal 2.8x0.8 mm: 23.3 mm
E = Quick-connect terminal 4.8x0.8 mm: 21.8 mm
E = Quick-connect terminal 6.3x0.8 mm: 22.8 mm

1) Panel cut-out for panel thickness 1.5 / 2.0 / 2.5 / 3.0 mm
2) Panel cut-out for panel thickness 1.0 mm

Config. Code

2578 - H - A B C 0- D - E G F

The characters are placeholders for the correspondingly keys of selections from the key tables.

2578 - **H** - A B C 0- D - E G F = Type

Type	Configuration key
protection class II	X

2578 - H - **A** B C 0- D - E G F = Terminals

Terminal L		Configuration key
short solder terminal (L = 4.8 mm)		2
long solder terminal (L = 8.5 mm)		3
PCB-terminal standard (additional solder terminal)		4
PCB-terminal short (additional solder terminal)		5
PCB-terminal long (additional solder terminal)		6
Blade terminal (2.8 x 0.8 mm)		7
Blade terminal (4.8 x 0.8 mm)		8
Blade terminal (6.3 x 0.8 mm)		9
PCB-terminal (standard)		A
PCB-terminal (short)		B
PCB-terminal (long)		C

2578 - H - A **B** C 0- D - E G F = Terminals

Terminal N	Configuration key
short solder terminal (L = 4.8 mm)	2
long solder terminal (L = 8.5 mm)	3
PCB-terminal standard (additional solder terminal)	4
PCB-terminal short (additional solder terminal)	5
PCB-terminal long (additional solder terminal)	6
Blade terminal (2.8 x 0.8 mm)	7
Blade terminal (4.8 x 0.8 mm)	8
Blade terminal (6.3 x 0.8 mm)	9
PCB-terminal (standard)	A
PCB-terminal (short)	B
PCB-terminal (long)	C

Symbols similar as in table A

2578 - H - A B **C** 0- D - E G F = Terminals

Terminal Ground	Configuration key
without terminal	0

Symbols similar as in table A

2578 - H - A B C 0- **D** - E G F = Color

Color	Configuration key
Black	A
Grey	B
White	D

2578 - H - A B C 0- D - **E** G F = Style

Style	Configuration key
snap-in (s=panel thickness)	4

2578 - H - A B C 0- D - E **G** F = Dimension S

Dimension "S"	Configuration key
15	
20	
25	
30	

The dimension "S" is displayed in (1/10 mm). This information is also valid for the order code

2578 - H - A B C 0- D - E G **F** = Orientation of Terminals

Orientation of Terminals	Configuration key
horizontal	A
vertical	B

Variants

Terminals L / N	Orientation of Terminals	Color	Panel Thickness s [1/10 mm]	Config. Code	Order Number
Blade terminal (2.8 x 0.8 mm)	vertical	Black	25	2578-X-7700-A-425B	6160.0027
short solder terminal (L = 4.8 mm)	vertical	Black	15	2578-X-2200-A-415B	6160.0029
long solder terminal (L = 8.5 mm)	vertical	Black	20	2578-X-3300-A-420B	6160.0031
Blade terminal (6.3 x 0.8 mm)	vertical	Black	15	2578-X-9900-A-415B	6160.0032
short solder terminal (L = 4.8 mm)	vertical	Black	25	2578-X-2200-A-425B	6160.0036
Blade terminal (6.3 x 0.8 mm)	vertical	Black	20	2578-X-9900-A-420B	6160.0069
short solder terminal (L = 4.8 mm)	vertical	Black	20	2578-X-2200-A-420B	6160.0071
Blade terminal (6.3 x 0.8 mm)	vertical	Black	25	2578-X-9900-A-425B	6160.0074
Blade terminal (2.8 x 0.8 mm)	vertical	Black	15	2578-X-7700-A-415B	6163.0016
short solder terminal (L = 4.8 mm)	vertical	Grey	25	2578-X-2200-B-425B	6163.0017

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

Mating Outlets/Connectors

	Category / Description	
	Power Cord Overview complete	
	Cord Sets 2.5 A, IEC Connector, Black, 2.0 m, H03VVH2-F 2x0,75mm2, Connector IEC C7, H05VVH2-F 2x0.75 mm2 2m BLK, black	6013.0474
	Cord Sets 2.5 A, IEC Connector, Black, 4.0 m, H03VVH2-F 2x0,75mm2, Connector IEC C7, H05VVH2-F2G0.75, black	6013.0478
	Power Supply Cord Overview complete	
	Cord Sets 2.5 A, North America, Black, 2.0 m, SVT 2x18AWG, Connector IEC C7, NISPT-2, black	6010.5274
	Cord Sets 2.5 A, North America, Black, 4.0 m, SVT 2x18AWG, Connector IEC C7, NISPT-2, black	6010.5278

01.09.2025

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.