IEC Appliance Inlet C14, Snap-in Mounting, Solder, Quick-connect, Screw or PCB Terminal

new

C14

70° C

See below:
Approvals and Compliances

Description
- Panel mount :
  Snap-in version , Front Side
- 1 Function
- Appliance Inlet , Pin temperature 70 °C , Protection class I
- Solder / quick-connect / screw / PCB

Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

References
Alternative: protection class II version   6015

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	> 3 kVAC between L-N > 3 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
Terminal	Solder / quick-connect / screw / PCB
Panel Thickness S	Snap-in version 0.8/1.0/1.2/1.5/2.0/2.5/3.0/4.0 mm
Material: Housing	PA6, black or grey, UL 94V-0

Appliance inlet/-outlet	C14 acc. to IEC 60320-1 UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 10A, 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: 6010

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40011871
	UL Approvals	UL	UR File Number: E96454
	CCC Approvals	CCC	CCC Certificate Number: 2020180204017601

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

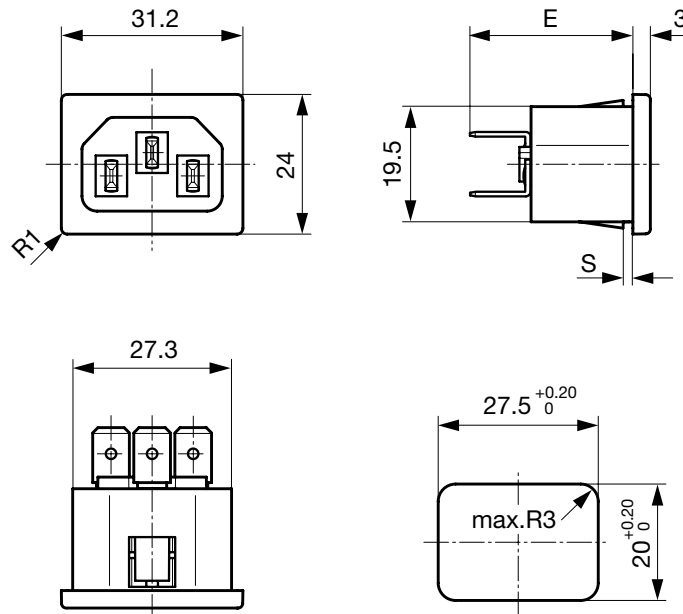| Organization	Design	Standard	Description
IEC	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

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	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.
V-Lock		SCHURTER AG	V-Lock system are based on a matching plug-dose combination. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Dimensions [mm]
Quick connect or solder terminals

31.2

24

R1

E   3

19.5

S

27.3

27.5 +0.20 / 0

max.R3

20 +0.20 / 0

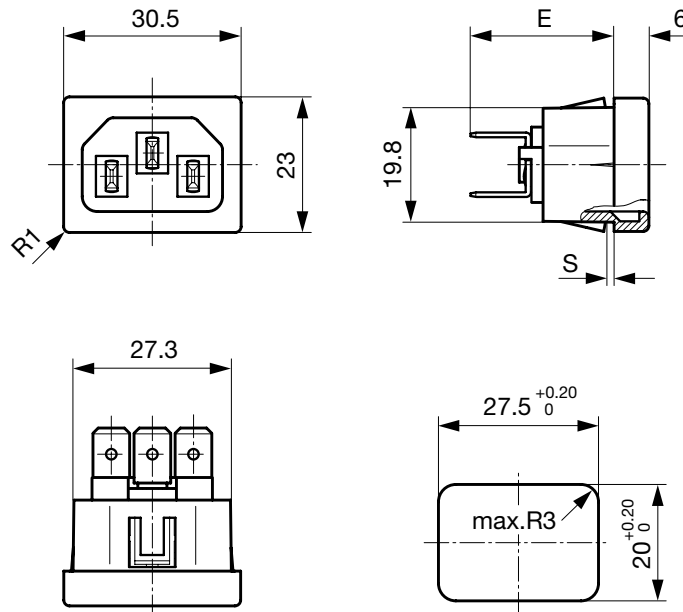E: Quick-connect terminals 4.8x0.8 mm: 27.0 mm
E: Quick-connect terminals 6.3x0.8 mm: 28.0 mm
E: Solder terminals short: 22.5 mm
E: Solder terminals long: 26.2 mm
Dimension "S" please ref. to table order code

Quick-connect or solder terminals, housing for V-Lock

30.5

23

R1

E   6

19.8

S

27.3

27.5 +0.20 / 0

max.R3

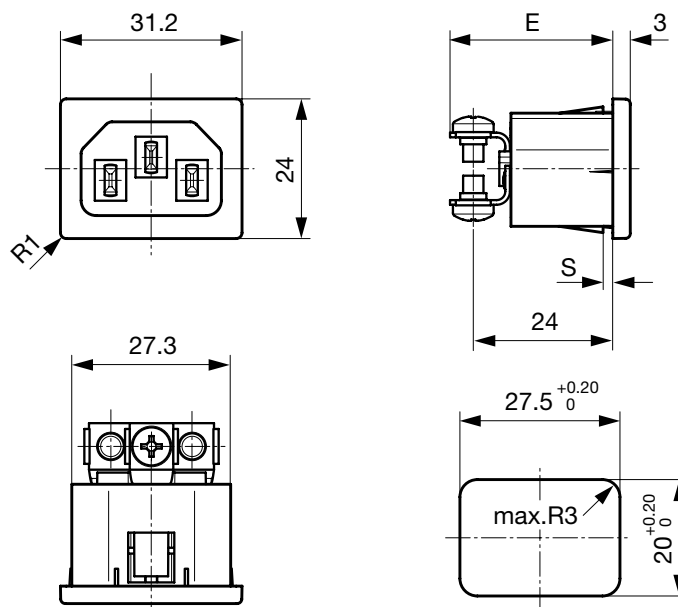20 +0.20 / 0

E: Quick-connect terminals 4.8x0.8 mm: 23.8 mm
E: Quick-connect terminals 6.3x0.8 mm: 24.8 mm
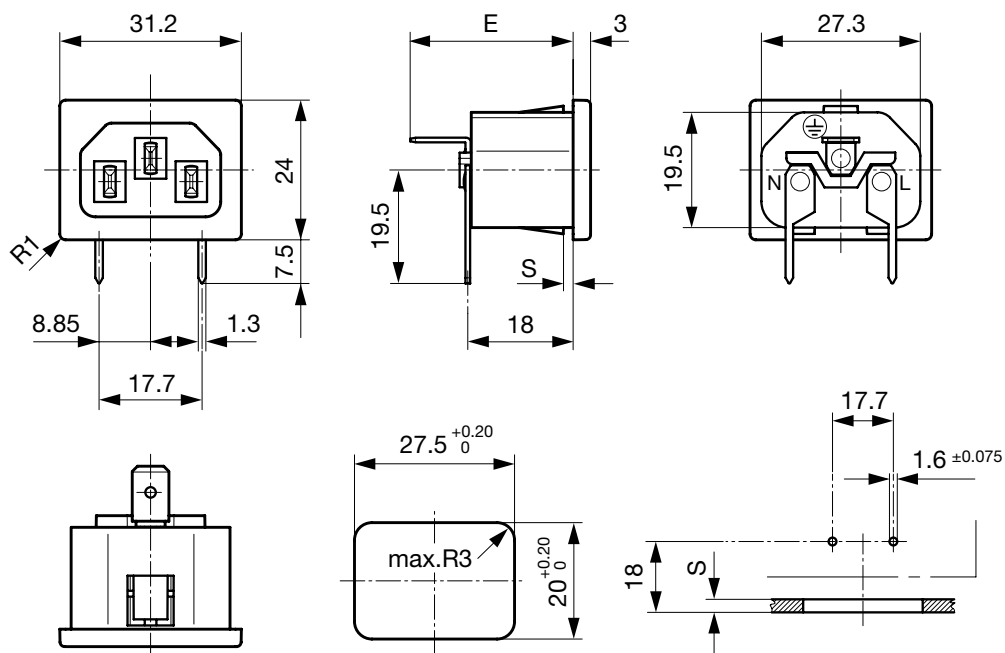E: Solder terminals short: 19.3 mm
E: Solder terminals long: 23.0 mm
Dimension "S" please ref. to table order code

Bolts and nuts

31.2

24

R1

E   3

S

24

27.3

27.5 $^{+0.20}_{0}$

max.R3

20 $^{+0.20}_{0}$

E: Screw terminals M3.5: 28.0 mm
Dimension "S" please ref. to table order code

PCB terminals

31.2

24

R1

7.5

8.85   1.3

17.7

E   3

19.5

S

18

27.3

19.5

N   L

27.5 $^{+0.20}_{0}$

max.R3

20 $^{+0.20}_{0}$

17.7

1.6 $^{±0.075}$

18

S

E: Quick-connect terminals 4.8x0.8 mm: 27.0 mm
E: Quick-connect terminals 6.3x0.8 mm: 28.0 mm
E: Solder terminals short: 22.5 mm
E: Solder terminals long: 26.2 mm
E: Screw terminals M3.5: 28.0
Dimension "S" please ref. to table order code

Config. Code

6010 - H - A B C 0 - D - E G O

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

6010 - **H** - A B C 0 - D - E G O = **Type**

Type	Configuration key
protection class I	X

6010 - H - **A** B C 0 - D - E G O = **Terminals**

Terminal L		Configuration key
Solder terminal (L = 5.0mm) large soldering hole		1
short solder terminal (L = 4.8 mm)		2
long solder terminal (L = 8.5 mm)		3
PCB-terminal standard (additional solder terminal)		4
Blade terminal (4.8 x 0.8 mm)		8
Blade terminal (6.3 x 0.8 mm)		9
screw terminal		A

6010 - H - A **B** C 0 - D - E G O = **Terminals**

Terminal N	Configuration key
Solder terminal (L = 5.0mm) large soldering hole	1
short solder terminal (L = 4.8 mm)	2
long solder terminal (L = 8.5 mm)	3
PCB-terminal standard (additional solder terminal)	4
Blade terminal (4.8 x 0.8 mm)	8
Blade terminal (6.3 x 0.8 mm)	9
screw terminal	A

Symbols similar as in table A

6010 - H - A B **C** 0 - D - E G O = **Terminals**

Terminal Ground	Configuration key
Solder terminal (L = 5.0mm) large soldering hole	1
short solder terminal (L = 4.8 mm)	2
long solder terminal (L = 8.5 mm)	3
Blade terminal (4.8 x 0.8 mm)	8
Blade terminal (6.3 x 0.8 mm)	9
screw terminal	A

Symbols similar as in table A

6010 - H - A B C 0 - **D** - E G O = **Color**

Color	Configuration key
Black	A
Grey	B

6010 - H - A B C 0 - D - **E** G O = **Style**

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

6010 - H - A B C 0 - D - E **G** O = **Dimension S**

Dimension "S"	Configuration key
08	
10	
12	
15	
20	
25	
30	
40	

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

6010 - H - A B C 0 - D - E G **O** = **Features**

Features	Configuration key
without V-Lock	0
V-Lock	V

All Variants

Terminals L / N	Terminal Ground	Color	Panel Thickness s [mm]	Features	Config. Code	Order Number	
Solder terminal short (L = 4.8 mm)	Solder terminal short (L = 4.8 mm)	black	1	-	6010-X-2220-A-4100	6162.0012	
Quick connect terminal (4.8 x 0.8 mm)	Quick connect terminal (4.8 x 0.8 mm)	black	1	-	6010-X-8880-A-4100	6162.0019	
Quick connect terminal (6.3 x 0.8 mm)	Quick connect terminal (6.3 x 0.8 mm)	black	1	-	6010-X-9990-A-4100	6162.0023	
Quick connect terminal (6.3 x 0.8 mm)	Quick connect terminal (6.3 x 0.8 mm)	black	1.5	-	6010-X-9990-A-4150	6162.0024	▮
Quick connect terminal (6.3 x 0.8 mm)	Quick connect terminal (6.3 x 0.8 mm)	black	2	-	6010-X-9990-A-4200	6162.0025	
Solder terminal long (L = 8.5 mm)	long solder terminal (L = 8.5 mm)	black	1	-	6010-X-3330-A-4100	6162.0085	
Quick connect terminal (4.8 x 0.8 mm)	Quick connect terminal (4.8 x 0.8 mm)	black	1.5	V-Lock	6010-X-8880-A-415V	6162.0155	▮

Terminals L / N	Terminal Ground	Color	Panel Thickness s [mm]	Features	Config. Code	Order Number
Quick connect terminal (6.3 x 0.8 mm)	Quick connect terminal (6.3 x 0.8 mm)	black	1.5	V-Lock	6010-X-9990-A-415V	6162.0156
Solder terminal short (L = 4.8 mm)	Solder terminal short (L = 4.8 mm)	black	1	V-Lock	6010-X-2220-A-410V	6162.0161
Quick connect terminal (4.8 x 0.8 mm)	Quick connect terminal (4.8 x 0.8 mm)	black	1	V-Lock	6010-X-8880-A-410V	6162.0162
Quick connect terminal (4.8 x 0.8 mm)	Quick connect terminal (4.8 x 0.8 mm)	black	2.5	V-Lock	6010-X-8880-A-425V	6162.0165
Solder terminal (L = 5.0mm) large soldering hole	Solder terminal (L = 5.0mm) large soldering hole	black	1	V-Lock	6010-X-1110-A-410V	6162.0179

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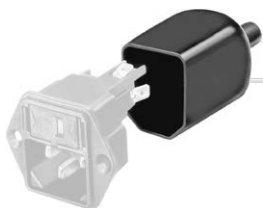
■ Most Popular.

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

Packaging unit

50 Pcs

Accessories

Description

Assorted_Covers
Rear Cover

RC320
Rear Cover for Power Entry Module

Mating Outlets/Connectors

Category / Description

Appliance Outlet Overview complete

4787, Mounting: Screw-on mounting, Appliance Outlet: IEC Solder terminals, 10 A, Suitable for appliances with pro-tection class I	4787
4788, Mounting: Snap-in version, Appliance Outlet: IEC Solder / Quick Connect, 10 A, Suitable for appliances with protection class I	4788
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091

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

Connector Overview complete

4783 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13		4783

Power Cord Overview complete

VAC13KS, Overview, V-Lock cord retaining, diverse Connector IEC C13, diverse, black		VAC13KS