IEC Appliance Inlet C18, Snap-in Mounting, Solder, Quick-connect, Screw- or PCB Terminal

IEC connector C18

Snap-in version

C18

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 II
- 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 I version   6010
Weblinks
pdf data sheet , html datasheet , General Product Information , Distributor-Stock-Check , Accessories , Detailed request for product , Landing Page

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 > 1.5 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temperature	-25 °C to 70 °C
IP-Protection	from front side IP20 acc. to IEC 60529
Insulation cover	Suitable for appliances with protection class II 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	C18 acc. to IEC 60320-1 UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 10A, 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: 6015

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

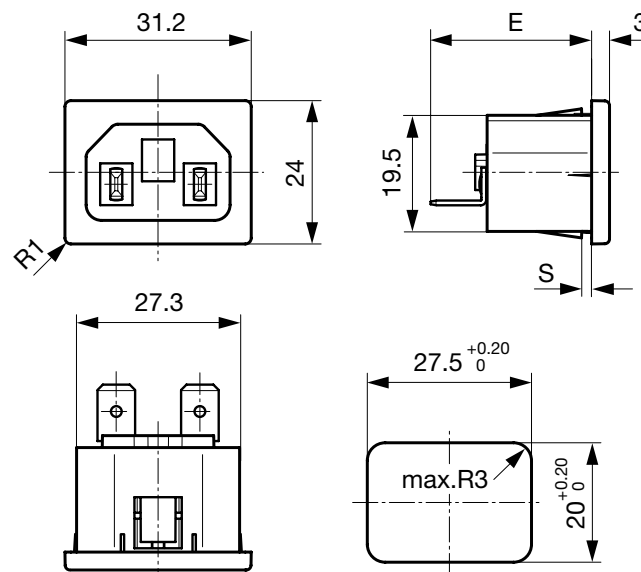| Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

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 COMPLIANT	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/836
(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.
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
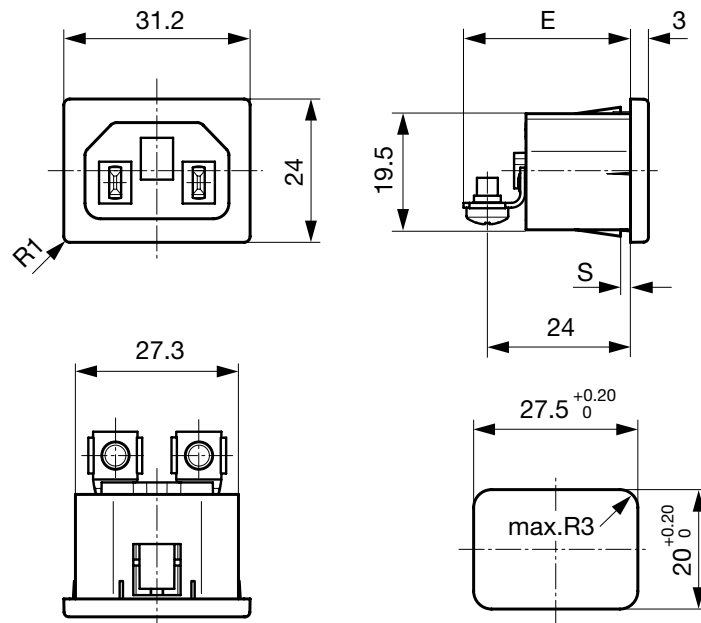

E: Quick-connect terminals 4.8x0.8 mm: 27.0 mm
E: Quick-connect terminals 6.3x0.8 mm: 28.0 mm
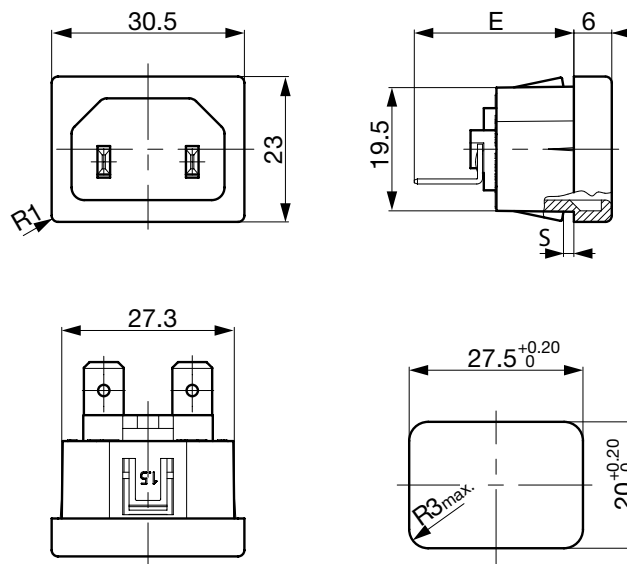E: Solder terminals short: 22.5 mm
E: Solder terminals long: 26.2 mm
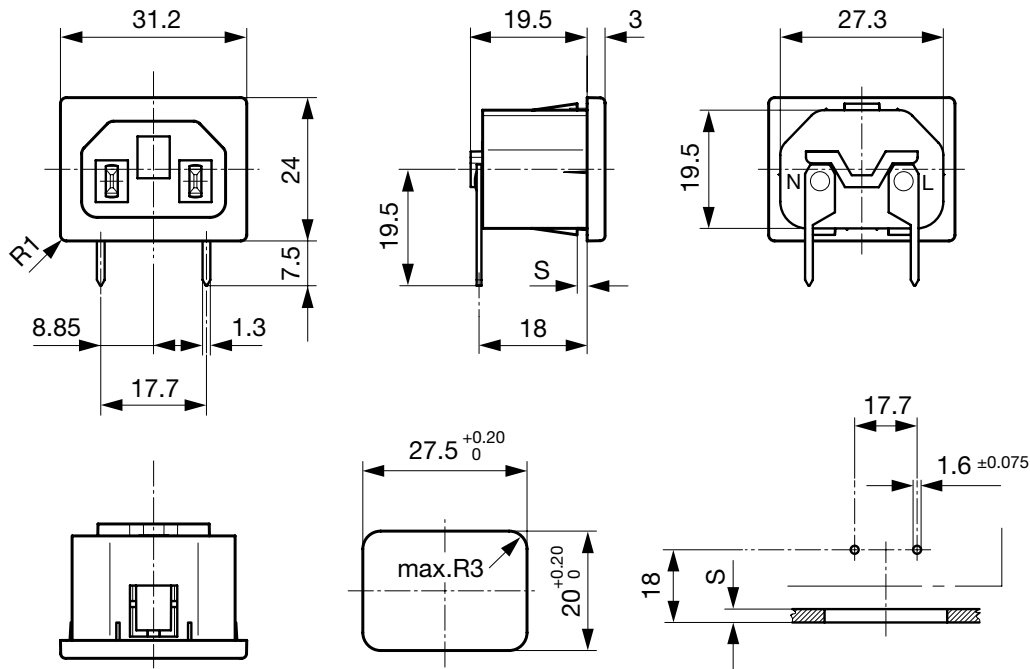Dimension "S" please ref. to table order code

Bolts and nuts

31.2

24

R1

27.3

E   3

19.5

S

24

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

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

30.5

23

R1

E   6

19.5

S

27.3

1.5

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

R3 max.

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

PCB terminals

Dimension "S" please ref. to table order code

Config. Code

6015 - H - A B C 0 - D - E G O

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

6015 - **H** - A B C 0 - D - E G O = Type

Type	Configuration key
protection class II	X

6015 - H - **A** B C 0 - D - E G O = 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
Blade terminal (4.8 x 0.8 mm)		8
Blade terminal (6.3 x 0.8 mm)		9
screw terminal		A

6015 - H - A **B** C 0 - D - E G O = 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
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

6015 - H - A B **C** 0 - D - E G O = Terminals

Terminal Ground	Configuration key
without terminal	0

Symbols similar as in table A

6015 - H - A B C 0 - **D** - E G O = Color

Color	Configuration key
Black	A
Grey	B

6015 - H - A B C 0- D - **E** G O = **Style**

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

6015 - H - A B C 0- D - E **G** O = **Dimension S**

Dimension "S"	Configuration key
08	
10	
12	
15	
20	

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

Dimension "S"	Configuration key
25	
30	
40	

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

6015 - H - A B C 0 - D - E G **O** = **Features**

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

All Variants

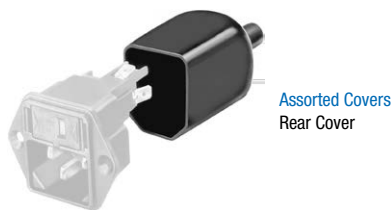| Terminals L / N	Color	Panel Thickness s [1/10 mm]	Features	Config. Code	Order Number
short solder terminal (L = 4.8 mm)	Black	15	without V-Lock	6015-X-2200-A-415	6162.0032
short solder terminal (L = 4.8 mm)	Black	30	without V-Lock	6015-X-2200-A-430	6162.0033
Blade terminal (4.8 x 0.8 mm)	Black	15	without V-Lock	6015-X-8800-A-415	6162.0035
Blade terminal (4.8 x 0.8 mm)	Black	20	without V-Lock	6015-X-8800-A-420	6162.0036
Blade terminal (4.8 x 0.8 mm)	Black	25	without V-Lock	6015-X-8800-A-425	6162.0037
Blade terminal (6.3 x 0.8 mm)	Black	30	without V-Lock	6015-X-9900-A-430	6162.0039

The listet 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/Stock-Check/Stock-Check-SCHURTER

Packaging unit   50 Pcs

Accessories

Description

Assorted Covers
Rear Cover

Mating Outlets/Connectors

Category / Description

Connector Overview complete

4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13	4022
4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4012 Mounting: Power Supply Cord, 3 x 1 mm², Screw clamps, Connector: IEC C13	4012
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
Connector further types to 6015	...

Mating Outlets/Connectors shuttered

Power Cord Overview complete

VAC13KS, Overview, V-Lock cord retaining, diverse Connector IEC C13, diverse, black	VAC13KS
VAC17KS, V-Lock cord retaining, diverse m, Connector IEC C17, diverse, black / grey / white	VAC17KS
Power Cord further types to 6015	

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