

IEC Appliance Inlet C14 with Fuseholder 1- or 2-pole and Voltage Selector

IEC connector C14 with fuse holder 1- or 2-pole
Screw-on version from front or rear side
with voltage selectorIEC connector C14 with fuse holder 1- or 2-pole
Snap-in version
from front side

C14



70° C

Description

- Panel mount :
Screw-on version from front or rear side, snap-in version front side
- 3 Functions :
Appliance Inlet Protection class I , Fuseholder with interchangeable fuse drawer for Fuse-links 5x20 mm or 6.3x32 mm 1- or 2-pole , Voltage Selector (series-parallel) Meets the requirements of IEC 60335-1 for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-12 and -13.
- Quick connect terminals 4.8 x 0.8 mm

See below:

Approvals and Compliances**Characteristics**

- Available with or without internal partial wired connections
- For added safety "Extra-Safe" fuse drawers are available
- Suitable for use in equipment according to IEC/UL 62368-1

Other versions on request

- For protection class II

ReferencesAlternative: version with line filter [CE](#)**Weblinks**

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Approvals](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

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.

Technical Data

Ratings IEC	10A / 250VAC; 50Hz
Ratings UL/CSA	10A / 250VAC; 60Hz
Dielectric Strength	> 3 kVAC between L-N > 4 kVAC between L/N-PE (1 min/50Hz)
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 I acc. to IEC 61140
Terminal	Quick connect terminals 4.8 x 0.8 mm
Panel Thickness S	Screw: max 8 mm Mounting screw torque max 0.5 Nm Snap-in: 1.5/2/2.5 mm
Material: Housing	Thermoplastic, black, 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
Fuseholder	1-/2-pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 / 6.3 x 32 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 2.5W (1 pole)/ 2W (2-pole) per pole 6.3 x 32: 3.15W (1 pole)/ 2.5W (2-pole) per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Voltage Selector	series-parallel, 4, 3 or 2 switch positions or usable as 2-pole change-over switch

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: KE

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40030339
	UL Approvals	UL	UR File Number: E93617

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
	Designed according to	IEC 60127-6	Miniature fuses. Part 6. Fuse-holders for miniature fuse-links
	Designed according to	UL 60320-1	Standard for Attachment Plugs and Receptacles
	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

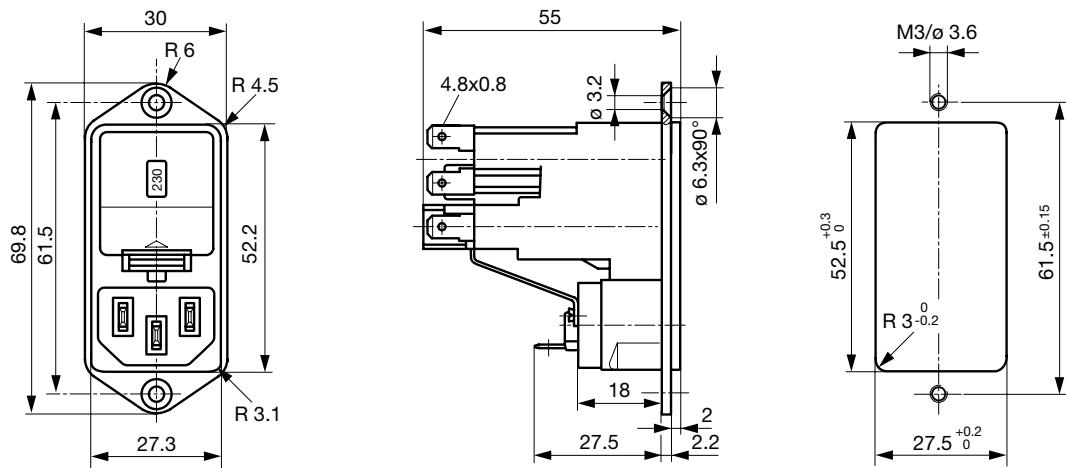
Organization	Design	Standard	Description
	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
	Suitable for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
	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

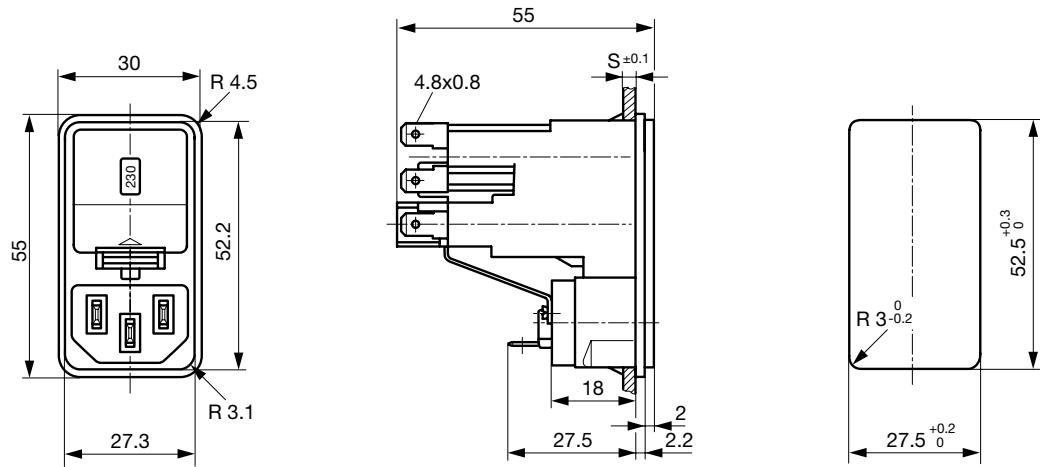
The product complies with following Guide Lines

Identification	Details	Initiator	Description
	CE 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 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	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	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	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.
		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.
	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.
	Medical Equipment	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1 (1 MOOP, 1 MOPP)

Dimensions [mm]
 Screw-on mounting

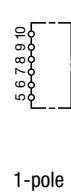


Snap-in mounting

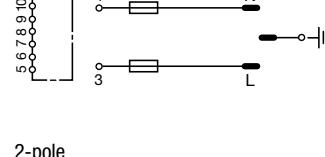


Diagrams

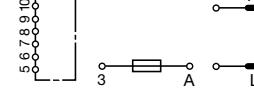
with partial wired internal connec-
 tions



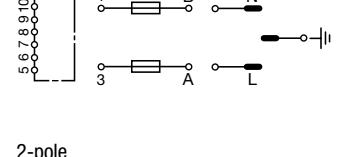
with partial wired



without internal connec-
 tions



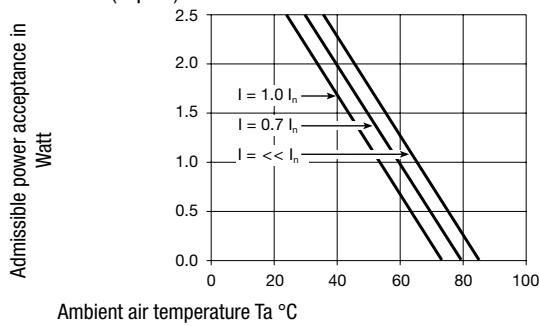
without conn.



Derating Curves

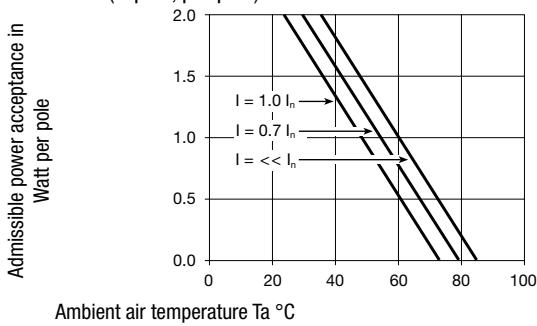
Fuses

5 x 20 mm (1-pole)



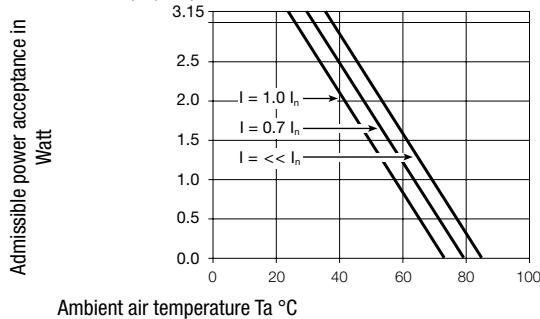
Fuses

5 x 20 mm (2-pole, per pole)



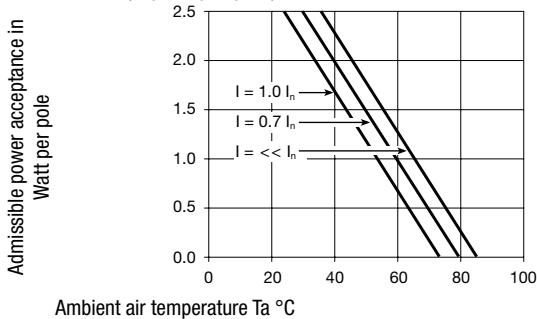
Fuses

6.3 x 32 mm (1-pole)



Fuses

6.3 x 32 mm (2-pole, per pole)



Variants

Panel mounting	Panel Thickness s [mm]	Fuseholder	Internally wired	V-Lock	Order Number
Snap-in	1.5	1-pole	unwired		KE15.1100.105
Snap-in	1.5	1-pole	partially wired		KE16.5100.105
Snap-in	2	1-pole	partially wired		KE16.5100.107
Snap-in	2.5	1-pole	partially wired		KE16.5100.109
Snap-in	1.5	2-pole	unwired		KE10.2100.105
Snap-in	2	2-pole	unwired		KE10.2100.107
Snap-in	2.5	2-pole	unwired		KE10.2100.109
Snap-in	1.5	2-pole	partially wired		KE10.6100.105
Snap-in	2	2-pole	partially wired		KE10.6100.107
Snap-in	2.5	2-pole	partially wired		KE10.6100.109
Screw	-	1-/2-pole	prewired or unwired		KE20.2100.151
Screw	-	1-pole	unwired		KE15.1100.151
Screw	-	1-pole	partially wired		KE16.5100.151
Screw	-	2-pole	unwired		KE10.2100.151
Screw	-	2-pole	partially wired		KE10.6100.151

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

The fuse drawer is not included and must be ordered separately (see required accessory).

Packaging unit

20 Pcs

Required Accessory

Description

Fusedrawer_1

Fusedrawer for Fuse Links 5x20 mm resp. 6.3x32 mm



5 x 20, 2-pole

4305.0001

5 x 20, 1-pole

4305.0006

6.3 x 32, 2-pole

4305.0011

6.3 x 32, 1-pole

4305.0016

...

Jumper_Wire_1

Connection with Stranded Cable



Type A, 70 mm

0881.0074

Type A, 100 mm

0881.0075

Type B, 70 mm

0881.0076

Type B, 100 mm

0881.0077

Voltage_Selectors_Insert_1

Voltage Selector Insert to KE, CE, KG, CG



3 or 4 switch positions

4305.0048.00

1, 3 or 4 switch positions, 100, 120, 220, 240

4305.0048.01

3, 3 or 4 switch positions, 130, 110, 240, 220

4305.0048.02

2, 2 switch positions, 110, 220

4305.0048.03

...

Accessories



RC320

Rear Cover for Power Entry Module



Cord_retaining_kits

Cord retaining strain relief

Flat head, A

4700.0001

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 protection 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 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4785 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4300-06 Mounting: Power Cord, 3 x 1 mm ² / 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 mm ² / 3 x 18 AWG, Cable, Connector: IEC C15	4784

Mating Outlets/Connectors shuttered



Connector Overview complete

4783 Mounting: Power Cord, 3 x 1 mm ² / 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
VAC17KS, V-Lock cord retaining, diverse m, Connector IEC C17, diverse, black / grey / white	VAC17KS