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 selector Order required accessories separately IEC connector C14 with fuse holder 1- or 2-pole Snap-in version from front side



Description

- Panel mount

Screw-on version from front or rear side, snap-in version from 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

References

Alternative: version with line filter CE

Weblinks

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

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	Appliance inlet/-outlet	C14 acc. to IEC 60320-1,	
Ratings UL/CSA	10A / 250VAC; 60Hz		UL 60320-1, CSA C22.2 no. 60320-1	
Dielectric Strength	> 3 kVAC between L-N > 4 kVAC between L/N-PE		(for cold conditions) pin-temperature 70 °C, 10A, Protection Class I	
	(1 min/50 Hz)	Fuseholder	1 or 2 pole, Shocksafe category PC2	
Allowable Operation Tempe- rature	-25 °C to 70 °C		acc. to IEC 60127-6, for fuse-links 5 x 20 or 6.3 x 32mm	
IP-Protection	from front side IP40 acc. to IEC 60529	Rated Power Acceptance @	5 x 20: 2.5W (1 pole)/ 2W (2-pole) per	
Protection against electric shock	Suitable for appliances with protection class I acc. to IEC 61140	Ta 23 °C	pole 6.3 x 32: 3.15W (1 pole)/ 2.5W (2-pole)	
Terminal	Quick connect terminals 4.8 x 0.8 mm		per pole	
Panel Thickness S	Screw: max 8 mm Mounting screw torque max 0.5 Nm Snap-in: 1.5/2/2.5 mm	Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating cur- ves	
Material: Housing	Thermoplastic, black, UL 94V-0	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
10	VDE Approvals	VDE	Certificate Number: 40030339
c FL [°] us	UL Approvals	UL	UL File Number: E93617

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
<u>IEC</u>	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
IEC	Designed according to	IEC 60127-6	Miniature fuses. Part 6. Fuse-holders for miniature fuse-links
(UL)	Designed according to	UL 60320-1	Standard for Attachment Plugs and Receptacles
GE 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
I <u>EC</u>	Designed for applications acc.	IEC/UL 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.
IEC.	Designed for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
IEC.	Designed 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.

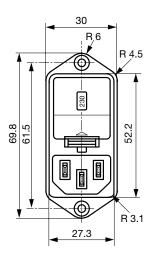
Compliances

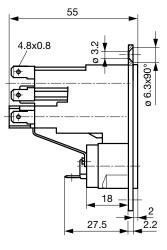
The product complies with following Guide Lines

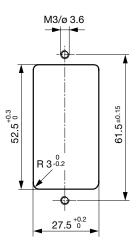
Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
ROHS	RoHS	SCHURTER 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	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.
√ -Lock	Landing Page 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.
00	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.
T	Medical Technology	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1

Dimensions [mm]

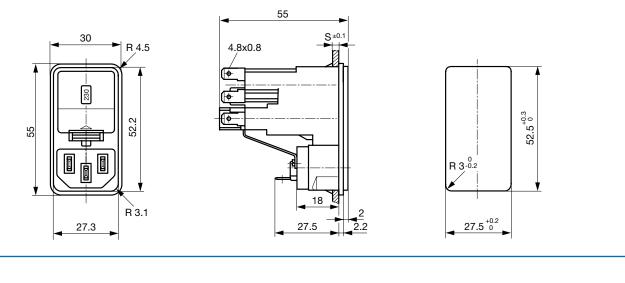
Screw-on mounting







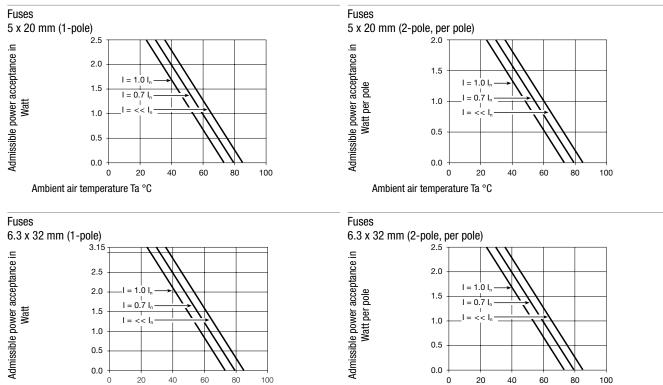
Snap-in mounting



Diagrams

with partial wired internal connecwith partial wired without internal connections without conn. tions Ν 5678910 Ν 5678910 5678910 Ν 678910 Ηı -|+ L T L 2-pole 1-pole 2-pole 1-pole

Derating Curves



Ambient air temperature Ta °C

All Variants

Ambient air temperature Ta °C

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 or 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

Most Popular.

Availability for all products can be searched real-time:https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

Packaging unit 20 Pcs

Description

Fusedrawer 1

Jumper Wire 1

Connection with Stranded Cable

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

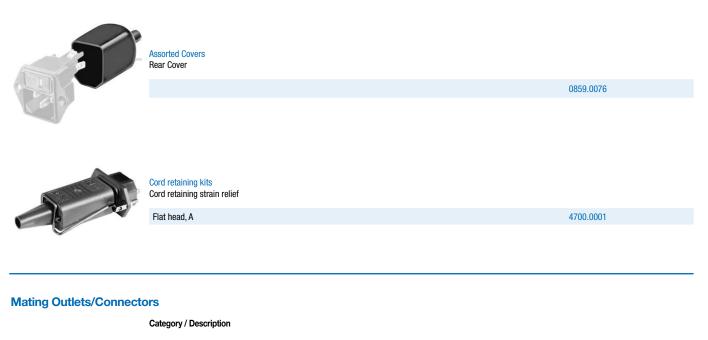


5 x 20, 2-pole	4305.0001
5 x 20, 1-pole	4305.0006
6.3 x 32, 2-pole	4305.0011
6.3 x 32, 1-pole	4305.0016



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



Appliance Outlet Overview complete



4787, Mounting: Screw-on mounting, Appliance Outlet: IEC Solder terminals, 10 A, Suitable for appliances with pro-
tection class I47874788, Mounting: Snap-in version, Appliance Outlet: IEC Solder terminals or quick connect terminals, 10 A, Suitable for
appliances with protection class I4788IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal5091Appliance Outlet further types to KE5091

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
4012 Mounting: Power Supply Cord, 3 x 1 mm ² , Screw clamps, Connector: IEC C13	4012
4300-06 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
4781 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C15	4781
Connector further types to KE	

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
Connector further types to KE	



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 KE	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Schurter:

 KE10.6100.107
 KE10.2100.105
 KE10.6100.151
 KE10.2100.151
 KE15.1100.151
 KE20.2100.151
 KE60.0001

 KE10.2100.107
 KE10.2100.109
 KE10.6100.105
 KE10.6100.109
 KE10.6100.505
 KE10.6200.107
 KE10.6200.107

 KE10.6200.151
 KE15.1100.105
 KE16.5100.105
 KE16.5100.107
 KE16.5100.109
 KE16.5100.109

 KE10.6100.109.21
 KE10.6100.109.21
 KE10.6100.105
 KE16.5100.151
 KE20.6100.151