

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole (5x20 mm or 6.3x32 mm), optional Voltage Selector (step switch)



KFC  
with voltage selector  
3-digits  
with voltage selector



KFC  
without voltage selector  
without voltage selector



See below:  
[Approvals and Compliances](#)

### Description

- Panel mount :  
Screw-on mounting from front side
- 4 Functions :  
Appliance Inlet Protection class I , Fuseholder with interchangeable fuse drawer for Fuse-links 5x20 mm or 6.3x32 mm , with or without voltage selector (step switch) , Line filter in standard and medical version
- Quick connect terminals 4.8 x 0.8 mm

### Unique Selling Proposition

- Multifunctional power entry module
- Suitable for various fuses
- Highly resistant since fully potted
- V-Lock cord retaining

### Characteristics

- All single elements are already wired
- The fuse drawer "Fingergrip" can be removed by hand
- Suitable for use in equipment according to IEC/UL 60950
- Suitable for use in medical equipment according to IEC/UL 60601-1

### Other versions on request

- Variant with notch for V-Lock mating Cordsets

### References

- Alternative: version without line filter [KEC](#)
- Alternative: Standard version

### Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [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	1 - 10A @ Ta 40 °C / 250VAC; 50Hz	appliance inlet/-outlet	C14 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 250VAC; 60Hz	Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 or 6.3 x 32mm
Leakage Current	standard < 0.5mA (250V / 60Hz) medical < 5 µA (250 V / 60 Hz)	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
Dielectric Strength	> 1.7kVDC between L-N > 2.7kVDC between L/N-PE Test voltage (2 sec)	Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Allowable Operation Temperature	-25 °C to 85 °C	Voltage Selector	optional, step, 3 pos.
Climatic Category	25/085/21 acc. to IEC 60068-1	Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 <a href="#">Technical Details</a>
IP-Protection	from front side IP40 acc. to IEC 60529	MTBF	> 1'700'000h acc. to MIL-HB-217 F
Protection Class	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 8mm Mounting screw torque max 0.5Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

### 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: KFC

Approval Logo	Certificates	Certification Body	Description
	<a href="#">VDE Approvals</a>	VDE	Certificate Number: 40004665 (FKO, FKP, FKQ, FKR)
	<a href="#">UL Approvals</a>	UL	UL File Number: E72928 (FKO, FKP, FKQ, FKR)
	<a href="#">CQC Approvals</a>	CQC	CQC Certificate Number: CQC19001212148




## 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 60939	Passive filters for suppressing electromagnetic interference
	Designed according to	IEC 60127-6	Miniature fuses. Part 6. Fuse-holders for miniature fuse-links
	Designed according to	IEC 61058-1	Switches for appliances. Part 1. General requirements
	Designed according to	UL 498	Standard for Attachment Plugs and Receptacles
	Designed according to	UL 1283	Electromagnetic interference filters
	Designed according to	CSA C22.2 no. 42	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices
	Designed according to	CSA C22.2 no. 8	Electromagnetic interference (EMI) filters








## Application standards

Application standards where the product can be used

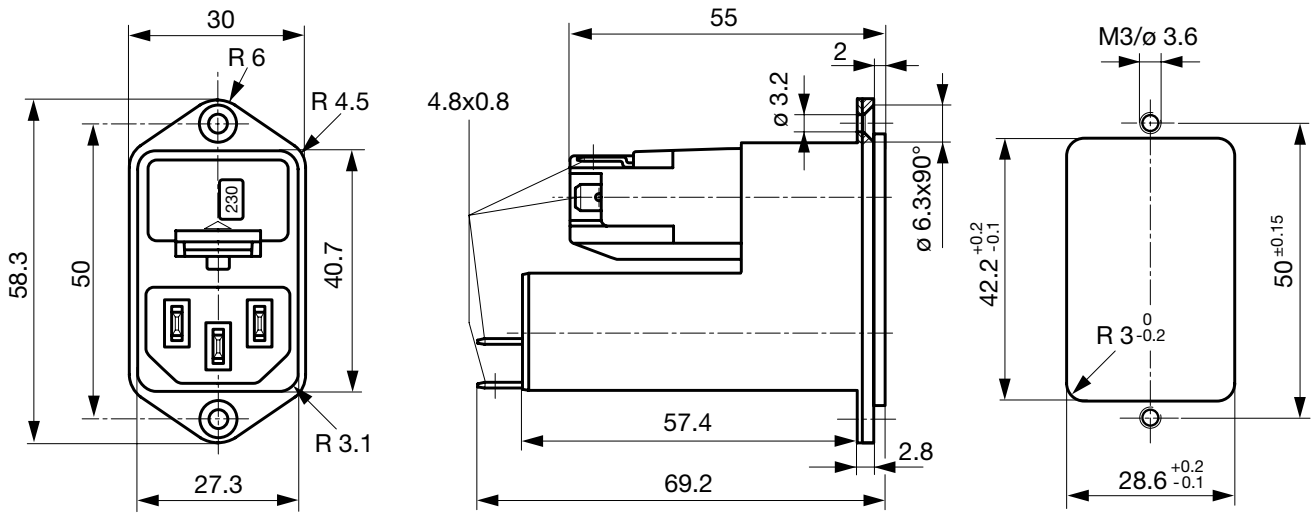
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.
	Designed for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
	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
	<a href="#">CE declaration of conformity</a>	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.
	<a href="#">RoHS</a>	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/836
	<a href="#">China RoHS</a>	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.
	<a href="#">REACH</a>	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.
	<a href="#">White paper Glow wire test</a>	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.
	<a href="#">Medical Technology</a>	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1

Dimension [mm]

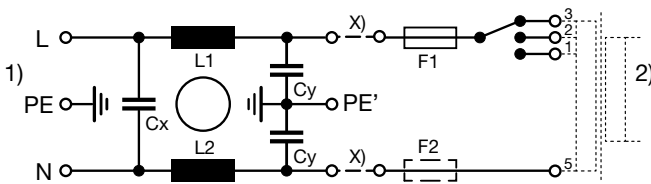


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 10	68	2.2	-
2	Standard Version	2 x 4	68	2.2	-
4	Standard Version	2 x 1.5	68	2.2	-
6	Standard Version	2 x 0.8	68	2.2	-
10	Standard Version	2 x 0.3	68	2.2	-
1	Medical Version (M5)	2 x 10	68	-	1
2	Medical Version (M5)	2 x 4	68	-	1
4	Medical Version (M5)	2 x 1.5	68	-	1
6	Medical Version (M5)	2 x 0.8	68	-	1
10	Medical Version (M5)	2 x 0.3	68	-	1
10	Standard and Medical Version	2 x 0.3	68	2.2	1

Diagrams

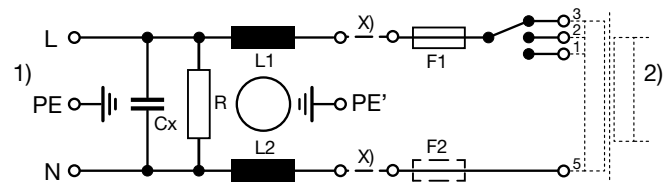
Standard version with voltage selector



x) external connection to be made by the customer

- 1) Line
- 2) Load

Medical version (M5) with voltage selector



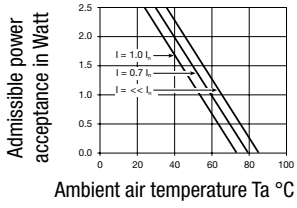
x) external connection to be made by the customer

- 1) Line
- 2) Load

**Derating Curves**

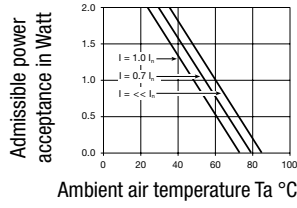
**Fuses**

5 x 20 mm (1-pole)



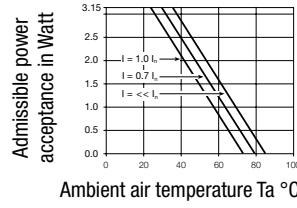
**Fuses**

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



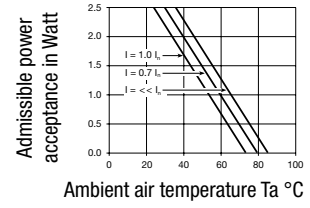
**Fuses**

6.3 x 32 mm (1-pole)



**Fuses**

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

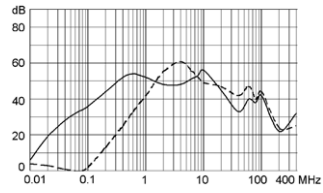


**Attenuation Loss**

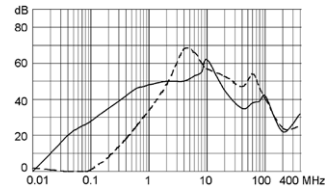
--- 50Ω differential mode    \_\_\_ 50Ω common mode

Standard version

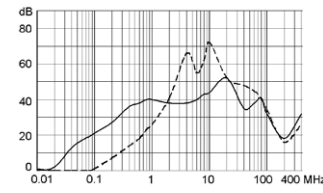
1 A



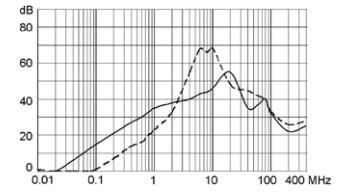
2 A



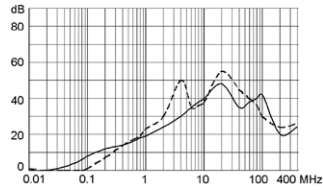
4 A



6 A

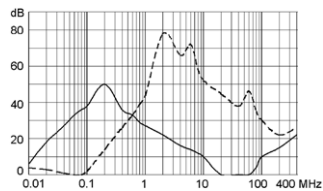


10 A

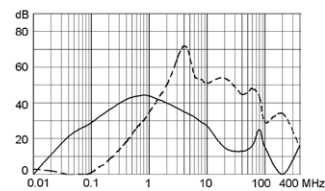


Medical version (M5)

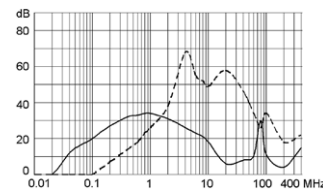
1 A



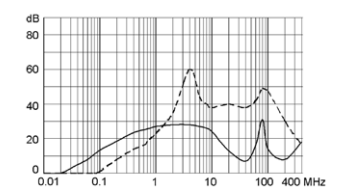
2 A



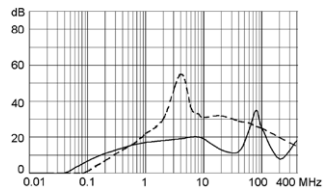
4 A



6 A



10 A



**All Variants**

Rated Current [A]	Filter-Type	Fuseholder	Voltage Selector	V-Lock	Order Number
1	Standard Version	1-pole	-		<a href="#">4303.5011</a>
2	Standard Version	1-pole	-		<a href="#">4303.5012</a>
4	Standard Version	1-pole	-		<a href="#">4303.5013</a>
6	Standard Version	1-pole	-		<a href="#">4303.5014</a>

Rated Current [A]	Filter-Type	Fuseholder	Voltage Selector	V-Lock	Order Number
10	Standard Version	1-pole	-		4303.5015
1	Standard Version	1-pole	3 pos.		4303.5031
2	Standard Version	1-pole	3 pos.		4303.5032
4	Standard Version	1-pole	3 pos.		4303.5033
6	Standard Version	1-pole	3 pos.		4303.5034
10	Standard Version	1-pole	3 pos.		4303.5035
1	Standard Version	2-pole	-		4303.5001
2	Standard Version	2-pole	-		4303.5002
4	Standard Version	2-pole	-		4303.5003
6	Standard Version	2-pole	-		4303.5004
10	Standard Version	2-pole	-		4303.5005
1	Standard Version	2-pole	3 pos.		4303.5021
2	Standard Version	2-pole	3 pos.		4303.5022
4	Standard Version	2-pole	3 pos.		4303.5023
6	Standard Version	2-pole	3 pos.		4303.5024
10	Standard Version	2-pole	3 pos.		4303.5025
1	Medical Version (M5)	2-pole	3 pos.		4303.5221
2	Medical Version (M5)	2-pole	3 pos.		4303.5223
4	Medical Version (M5)	2-pole	3 pos.		4303.5225
6	Medical Version (M5)	2-pole	3 pos.		4303.5227
10	Medical Version (M5)	2-pole	3 pos.	●	4303.5209.21
10	Medical Version (M5)	2-pole	3 pos.		4303.5229

Most Popular.

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

**Packaging unit** 10 Pcs

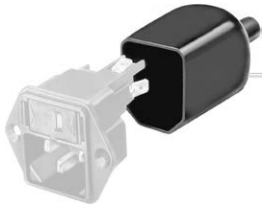
**Required Accessory**

**Description**



**Fusedrawer 3**  
 Fusedrawer for Fuse Links 5x20 mm resp. 6.3x32 mm

Accessories



Assorted Covers  
Rear Cover



Cord retaining kits  
Cord retaining strain relief

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 terminals or quick connect terminals, 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

[Appliance Outlet further types to KFC](#)

Connector Overview complete



4022 Mounting: Power Supply Cord, 3 x 1.5 mm<sup>2</sup>, Screw clamps, Connector: IEC C13 4022

4782 Mounting: Power Cord, 3 x 1 mm<sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13 4782

4012 Mounting: Power Supply Cord, 3 x 1 mm<sup>2</sup>, Screw clamps, Connector: IEC C13 4012

4785 Mounting: Power Cord, 3 x 1 mm<sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13 4785

4300-06 Mounting: Power Cord, 3 x 1 mm<sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13 4300-06

[Connector further types to KFC](#) ...

Mating Outlets/Connectors shuttered



Power Cord Overview complete

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

[Power Cord further types to KFC](#)