

IEC Appliance Inlet C14 with Filter, Increased Dielectric Strength



70° C

See below:
[Approvals and Compliances](#)

Description

- Panel mount :
Screw-on mounting from front side
- 2 Functions :
Appliance Inlet Protection class I , Line-filter in standard version
- Quick connect terminals 6.3 x 0.8 mm

Characteristics

- Compact design with optimal shielding
- All single elements are already wired
- Universal line filter for standard applications
With enhanced surge withstand voltage
- Suitable for use in equipment according to IEC/UL 60950

References

We recommend for new applications the type [5120](#)
 Last order date: 31.12.2014

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,
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 250VAC; 60Hz		UL 498, CSA C22.2 no. 42 (for cold
Leakage Current	standard < 0.5mA (250V / 60Hz)		conditions) pin-temperature 70 °C, 10A,
Dielectric Strength	> 1.7kVDC between L-N > 2.7kVDC between L/N-PE Test voltage (2 sec)	Line Filter	Protection Class I Standard Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
Impulse Withstand Voltage	> 4kV between L-N (CX1) > 5kV between L/N-PE	MTBF	> 3'100'000h acc. to MIL-HB-217 F
Allowable Operation Temperature	-25 °C to 85 °C		
Climatic Category	25/085/21 acc. to IEC 60068-1		
IP-Protection	from front side IP40 acc. to IEC 60529		
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140		
Terminal	Quick connect terminals 6.3 x 0.8 mm		
Panel Thickness S	Screw: max 8 mm 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: KFX

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40004665 (FGX)
	UL Approvals	UL	UL File Number: E72928 (FGX)

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 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

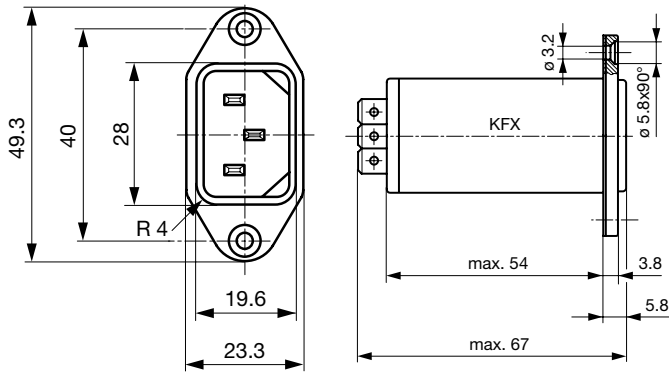
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

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.
	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.
	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.

Dimension [mm]



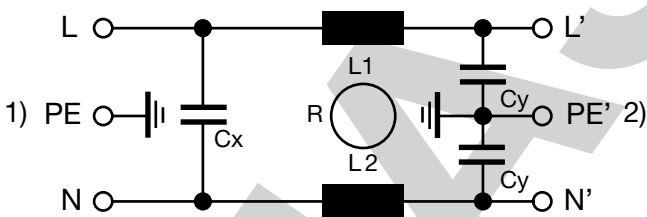
Panel cut-out

Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]
1	Medical Version (M80)	2 x 10	47	2.2
1	Medical Version (M5)	2 x 10	47	-
2	Medical Version (M5)	2 x 4	47	-
4	Medical Version (M5)	2 x 1.5	47	-
6	Medical Version (M5)	2 x 0.8	47	-
10	Medical Version (M5)	2 x 0.3	47	-
1	Standard Version	2 x 10	47	2.2
2	Standard Version	2 x 4	47	2.2
4	Standard Version	2 x 1.5	47	2.2
6	Standard Version	2 x 0.8	47	2.2
10	Standard Version	2 x 0.3	47	2.2

Diagrams

Standard Version

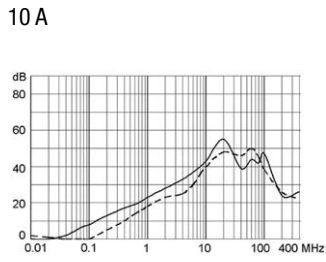
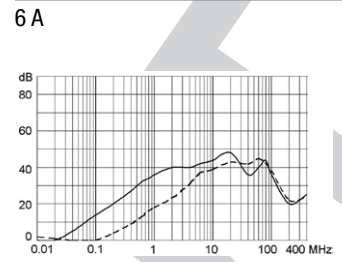
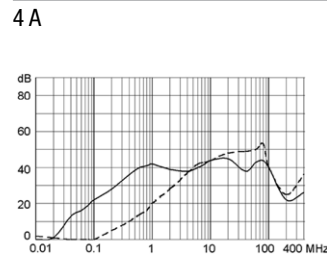
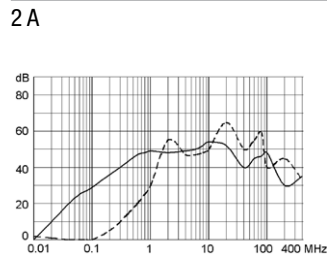
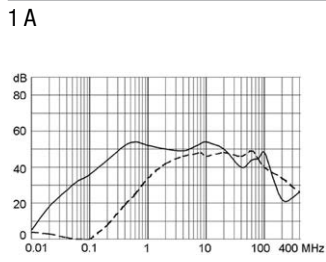


- 1) Line
- 2) Load

Attenuation Loss

--- 50Ω differential mode ___ 50Ω common mode

Standard version



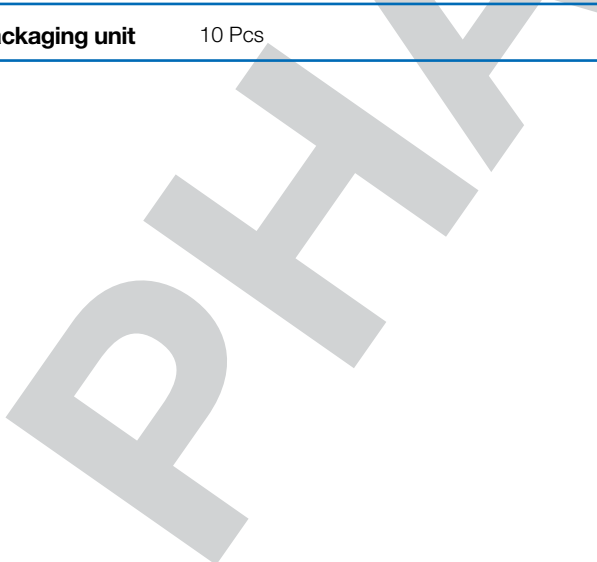
All Variants

Type	Rated Current [A]	Filter-Type	CX Class	V-Lock	Order Number
KFX	1	Standard Version	X1	●	4300.5061
KFX	2	Standard Version	X1	●	4300.5062
KFX	4	Standard Version	X1	●	4300.5063
KFX	6	Standard Version	X1	●	4300.5064
KFX	10	Standard Version	X1	●	4300.5065
KFX	1	Medical Version (M5)	X1	●	4300.5101
KFX	2	Medical Version (M5)	X1	●	4300.5102
KFX	4	Medical Version (M5)	X1	●	4300.5103
KFX	6	Medical Version (M5)	X1	●	4300.5104
KFX	10	Medical Version (M5)	X1	●	4300.5105

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

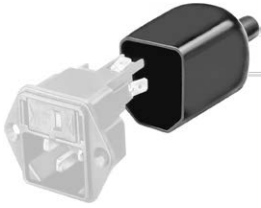
Suffix ".21" corresponds to the version with V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Packaging unit 10 Pcs



Accessories

Description



Assorted Covers
Rear Cover

0859.0048



Cord retaining kits
Cord retaining strain relief

Countersunk, C

4700.0003

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 KFX](#)

[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 KFX](#)

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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 KFX](#)