

IEC Appliance Inlet C14 with Filter, Increased Dielectric Strength



C14

70° C



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

Approvals

- VDE Certificate Number: 40004665 (FGX)
- UL File Number: E72928 (FGX)

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

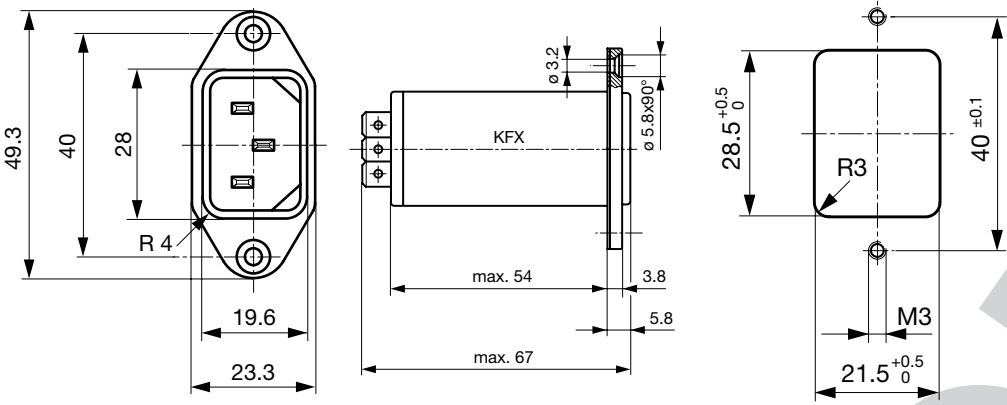
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Accessories](#)

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 / 250 VAC; 50Hz	Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, 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 / 125 VAC; 60Hz	Line Filter	Standard Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
Leakage Current	standard < 0.5 mA (250 V / 60Hz)	MTBF	> 3'100'000 h acc. to MIL-HB-217 F
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)		
Impulse Withstand Voltage	> 4 kV between L-N (CX1) > 5 kV between L/N-PE		
Allowable Operation Temp.	-25 °C to 85 °C		
Climatic Category	25/085/21 acc. to IEC 60068-1		
Degree of Protection	from front side IP 40 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 0.5 Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

Dimension

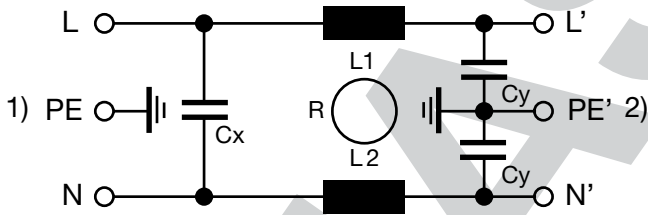


Technical Data of Filter-Components

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



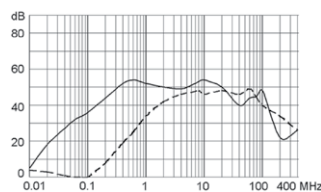
- 1) Line
- 2) Load

Attenuation Loss

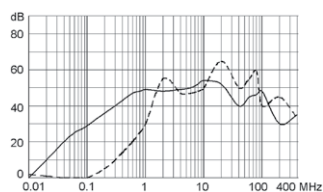
Standard version

--- differential mode — common mode

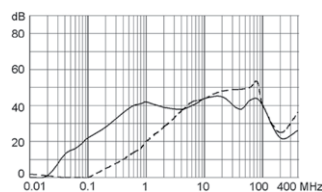
1 A



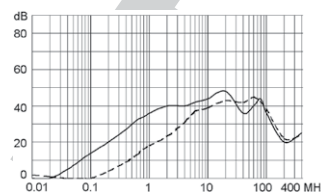
2 A



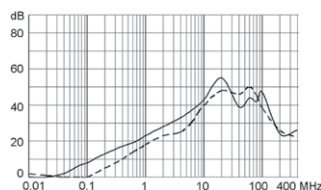
4 A



6 A



10 A



All Variants

Type	Rated Current [A]	Filter-Type	CX Class	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

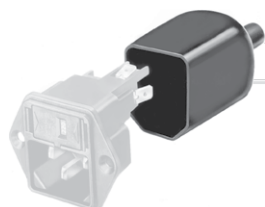
Availability for all products can be searched real-time: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

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



Cord retaining kits
Cord retaining strain relief

Mating Outlets/Connectors

Category / Description



[Appliance Outlet Overview complete](#)

IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder Terminal	4787
IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal	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](#)

IEC Connector C15A, Rewireable, Straight	0102
IEC Connector C15A, Rewireable, Straight	0102-G
IEC Connector C15A, Rewireable, Angled	0112
IEC Connector C13, Rewireable, Angled	4012
IEC Connector C13, Rewireable, Straight	4022

[Connector further types to KFX](#)

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Mating Outlets/Connectors shuttered



[Power Cord Overview complete](#)

Overview Power Supply Cord with IEC Connector C13, V-Lock, straight	VAC13KS
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[Power Cord further types to KFX](#)

PHAS