

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

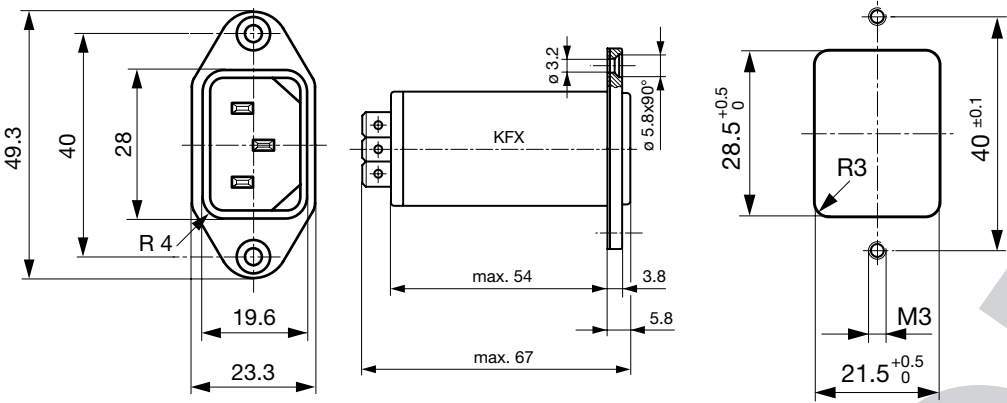
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed 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	1 - 10A @ Ta 40 °C / 250VAC; 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 / 125VAC; 60Hz	Line Filter	Standard Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
Leakage Current	standard < 0.5mA (250V / 60Hz)	MTBF	> 3'100'000h acc. to MIL-HB-217 F
Dielectric Strength	> 1.7kVDC between L-N > 2.7kVDC between L/N-PE Test voltage (2 sec)		
Impulse Withstand Voltage	> 4kV between L-N (CX1) > 5kV 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 8mm Mounting screw torque max 0.5Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

Dimension

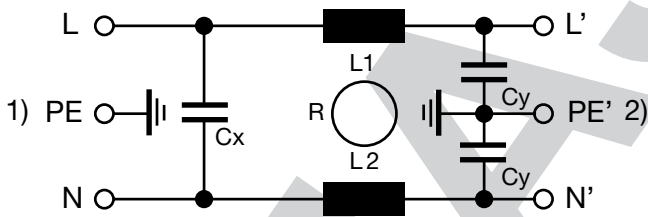


Technical Data of Filter-Components

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



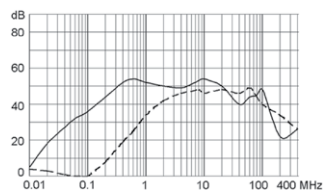
- 1) Line
- 2) Load

Attenuation Loss

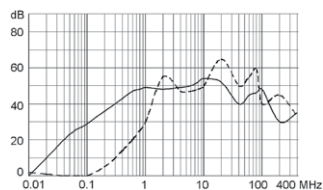
Standard version

--- differential mode — common mode

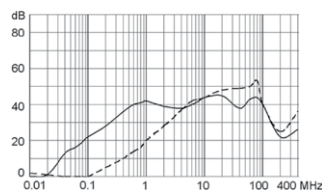
1 A



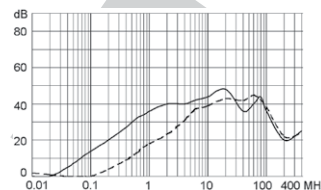
2 A



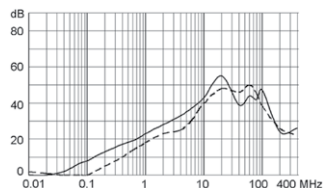
4 A



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>

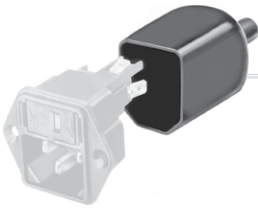
Suffix ".21" corresponds to the version with V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Packaging unit

10 Pcs

Accessories

Description



Assorted Covers
Rear Cover

0859.0048



Cord retaining kits
Cord retaining strain relief

Flat head, Z

0888.0021

Countersunk, C

4700.0003

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



4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13

4782

4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13

4022

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

4012 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13

4012

Connector further types to KFX

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Mating Outlets/Connectors shuttered

Power Cord Overview complete



VAC17KS, North America, 2.0 m, Connector C17, cord end:

6051.2801

VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:

6051.2803

VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:

6051.2813

VAC13KS, Overview, diverse Connector IEC C13, cord end:

VAC13KS

Power Cord further types to KFX