

IEC Appliance Inlet C14 with Filter



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 (FGS)
- UL File Number: E72928 (FGS)

Characteristics

- Compact design with optimal shielding
- All single elements are already wired
- Universal line filter for standard applications
- Suitable for use in equipment according to IEC 60950

Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Mounting instruction](#), [Detailed request for product](#)

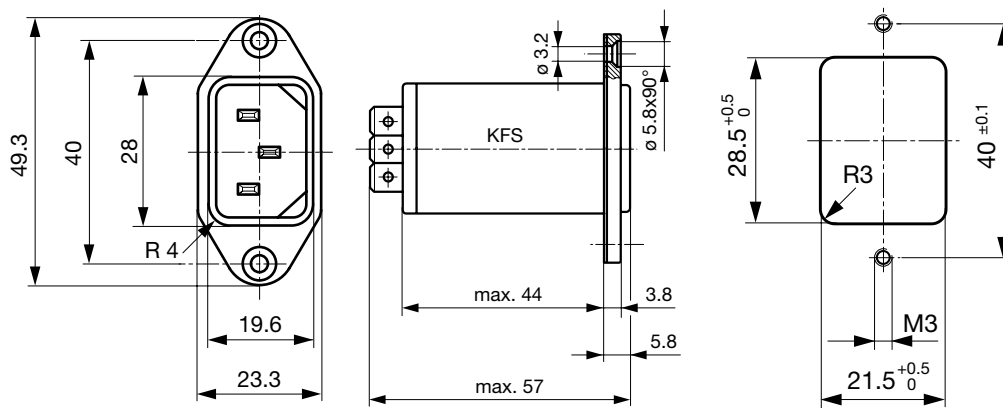
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	standard < 0.5mA (250V / 60Hz)
Dielectric Strength	> 1.7kVDC between L-N > 2.7kVDC between L/N-PE Test voltage (2 sec)
Impulse Withstand Voltage	> 2.5kV between L-N (CX2) > 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 8 mm Mounting screw torque max 0.5Nm
Material: Housing	Thermoplastic, black, UL 94V-0

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
Line Filter	Standard Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical Details
MTBF	> 3'100'000h acc. to MIL-HB-217 F

Dimensions

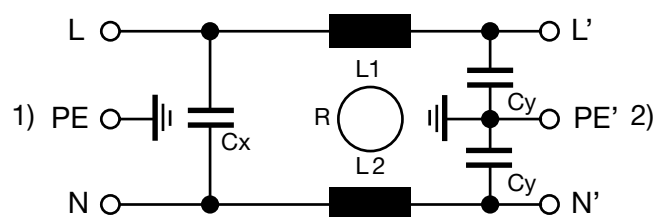


Technical Data of Filter-Components

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



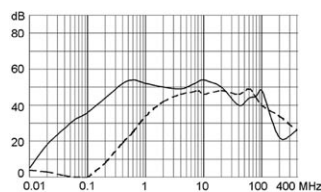
1) Line
2) Load

Attenuation Loss

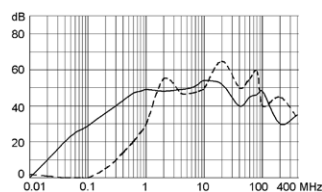
Standard version

- - - differential mode — common mode

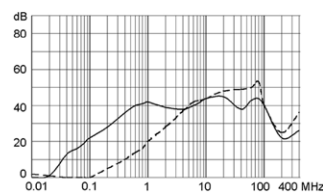
1 A



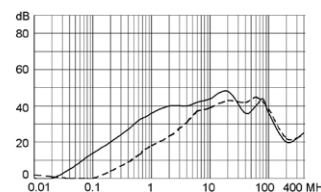
2 A



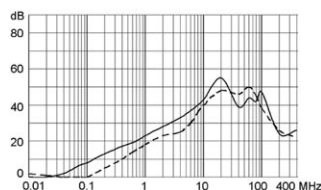
4 A



6 A

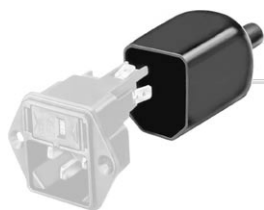


10 A

**Variants**

Type	Rated Current [A]	Filter-Type	CX Class	Order Number
KFS	1	Standard Version	X2	4300.5051
KFS	2	Standard Version	X2	4300.5052
KFS	4	Standard Version	X2	4300.5053
KFS	6	Standard Version	X2	4300.5054
KFS	10	Standard Version	X2	4300.5055
KFS	1	Medical Version (M5)	X2	4300.5021
KFS	2	Medical Version (M5)	X2	4300.5022
KFS	4	Medical Version (M5)	X2	4300.5023
KFS	6	Medical Version (M5)	X2	4300.5024
KFS	10	Medical Version (M5)	X2	4300.5025
KFS	1	Medical Version (M80)	X2	4300.5031

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 KFS](#)[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 KFS](#)

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