

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole, Line Switch 2-pole

Plug removal necessary for fuse replacement



KMF: With shield and line filter



Description

- Panel Mount:
Snap-in version from front side
- 4 Functions:
Appliance Inlet Protection class I, Line Switch 2-pole, Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole, Line filter in standard and medical version
- Quick connect terminals 4.8 x 0.8 mm

Approvals

- VDE Certificate Number: 40035743
- UL File Number: E72928
- CCC File Number: 2009010204326571

Characteristics

- Ultra-compact design. Small dimensions in front of and behind the panel
- All single elements are already wired
- For added safety "Extra-Safe" fuse drawers are available
Fuse drawer meets requirements of medical standard IEC/EN 60601-1
The fuse drawer can only be opened with the aid of a tool
The fuseholder is accessible from the equipment front
- Innovative EMC-shielding with flexible steel segments for an excellent contact
- 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

- Fuse drawer 1-pole, plus spare fuse case
- Fuse drawer 2-pole, with shorting bar
- Other rocker marking

References

Alternative: version without line filter [KM](#)

Alternative: version for screw mounting [DD12](#)

Alternative: Standard version

Weblinks

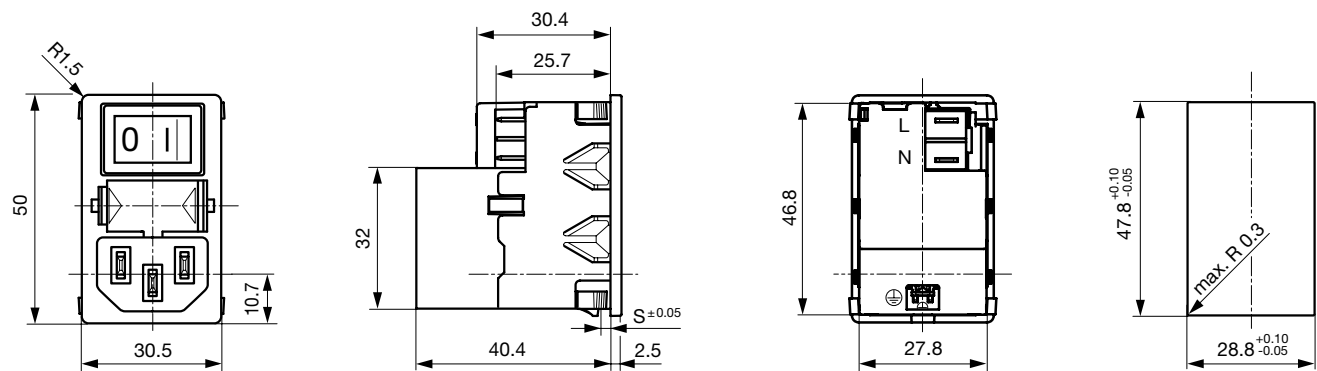
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Wire Harnessing](#),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

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) medical < 5 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
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 4.8 x 0.8 mm
Panel Thickness s	Snap-in: 1/1.5/2/2.5 mm (all steps with one variant)
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
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 2 W (1 pole)/ 1.4 W (2-pole) per pole
Power Acceptance @ Ta > 23 °C	Admissible power acceptance at higher ambient temperature see derating curves
Line Switch	2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 1'800'000 h acc. to MIL-HB-217 F

Dimension

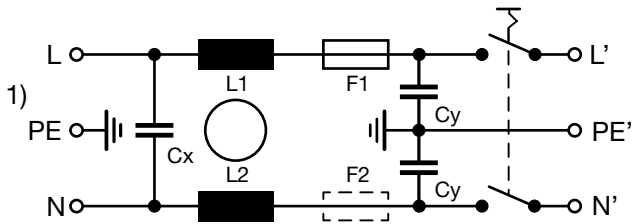


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [M Ω]
1	Standard Version	2 x 11	47	2.2	-
2	Standard Version	2 x 4	47	2.2	-
4	Standard Version	2 x 1.6	47	2.2	-
6	Standard Version	2 x 0.7	47	2.2	-
10	Standard Version	2 x 0.4	47	2.2	-
1	Medical Version (M5)	2 x 11	47	-	1
2	Medical Version (M5)	2 x 4	47	-	1
4	Medical Version (M5)	2 x 1.6	47	-	1
6	Medical Version (M5)	2 x 0.7	47	-	1
10	Medical Version (M5)	2 x 0.4	47	-	1

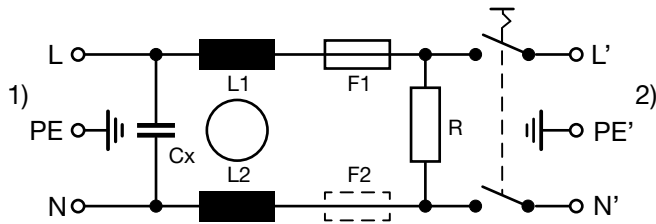
Diagrams

Standard version



1) Line
2) Load

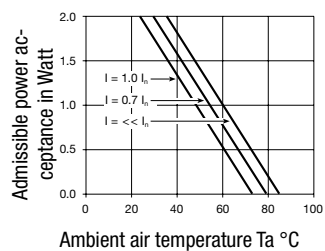
Medical version



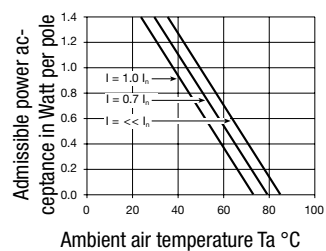
1) Line
2) Load

Derating Curves

1-pole



2-pole

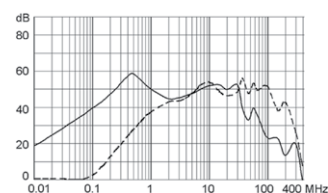


Attenuation Loss

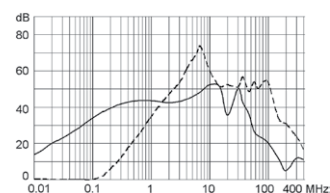
Standard version

--- differential mode ____ common mode

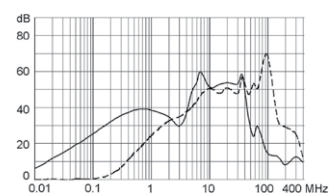
1 A



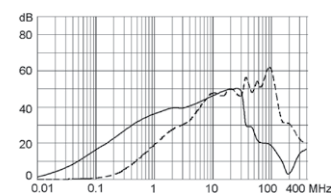
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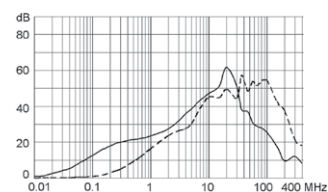
4 A



6 A

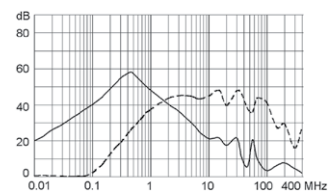


10 A

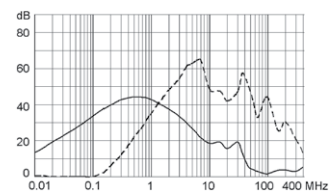


Medical version (M5)

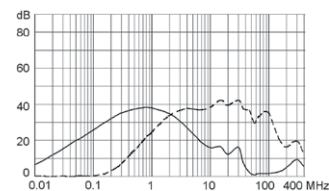
1 A



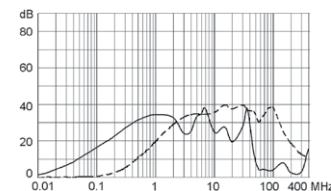
2 A



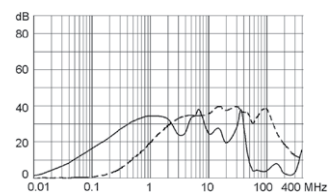
4 A



6 A



10 A



Variants

Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Order Number	
1	Standard Version	1-pole	2-pole	KMF1.1211.11	
2	Standard Version	1-pole	2-pole	KMF1.1221.11	
4	Standard Version	1-pole	2-pole	KMF1.1241.11	
6	Standard Version	1-pole	2-pole	KMF1.1261.11	
10	Standard Version	1-pole	2-pole	KMF1.1291.11	
1	Standard Version	2-pole	2-pole	KMF1.1111.11	
2	Standard Version	2-pole	2-pole	KMF1.1121.11	
4	Standard Version	2-pole	2-pole	KMF1.1141.11	
6	Standard Version	2-pole	2-pole	KMF1.1161.11	
10	Standard Version	2-pole	2-pole	KMF1.1191.11	
1	Medical Version (M5)	1-pole	2-pole	KMF1.1213.11	
2	Medical Version (M5)	1-pole	2-pole	KMF1.1223.11	
4	Medical Version (M5)	1-pole	2-pole	KMF1.1243.11	
6	Medical Version (M5)	1-pole	2-pole	KMF1.1263.11	
10	Medical Version (M5)	1-pole	2-pole	KMF1.1293.11	
1	Medical Version (M5)	2-pole	2-pole	KMF1.1113.11	
2	Medical Version (M5)	2-pole	2-pole	KMF1.1123.11	
4	Medical Version (M5)	2-pole	2-pole	KMF1.1143.11	
6	Medical Version (M5)	2-pole	2-pole	KMF1.1163.11	
10	Medical Version (M5)	2-pole	2-pole	KMF1.1193.11	

Most Popular.

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

Packaging unit
 20 Pcs

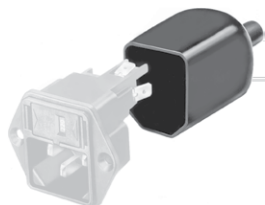
Required Accessory

Description



Fusedrawer 2
 Fusedrawer für Fuse Links 5x20 mm, with or without Voltage Selector Insert

Accessories



Assorted Covers
Rear Cover



Wire Harness
Wire harness for SCHURTER products



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 KMF



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 KMF