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
Order required accessories separately

C14

70° C

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
- 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

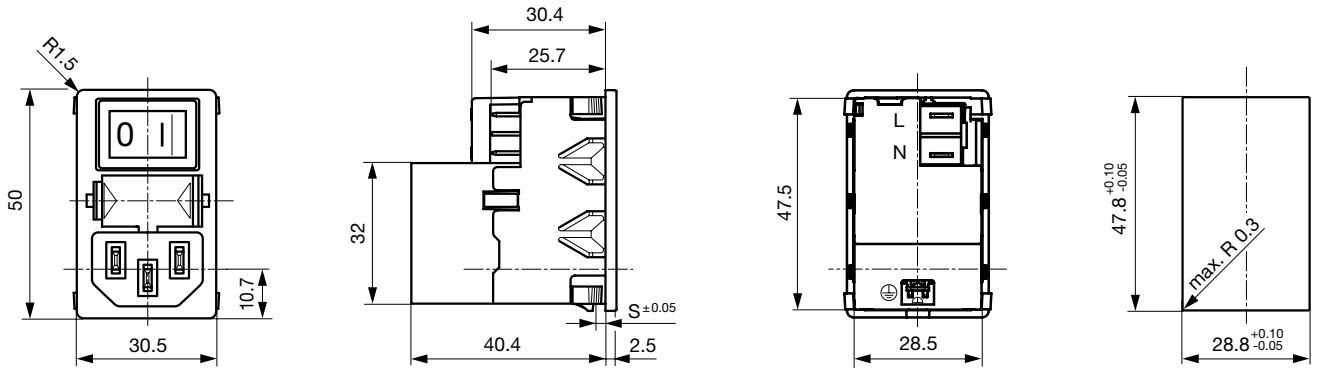
Weblinks
pdf-datasheet, html-datasheet, General Product Information, RoHS, CHINA-RoHS, REACH, Mating Connectors, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories, Wire Harnessing

Technical Data

Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) 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, 10 A, Protection Class I
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
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

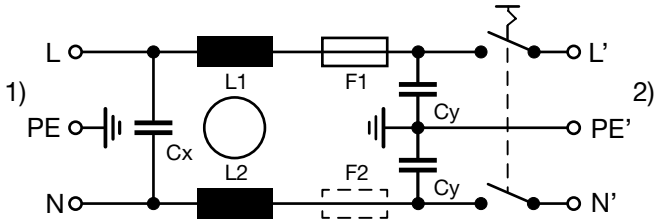


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
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

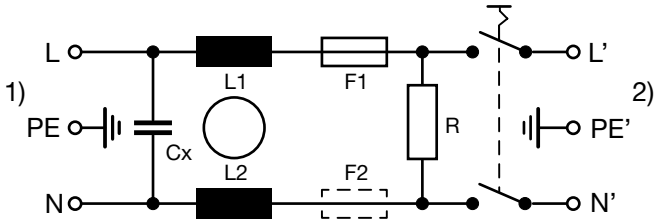
Diagrams

Standard version



1) Line
2) Load

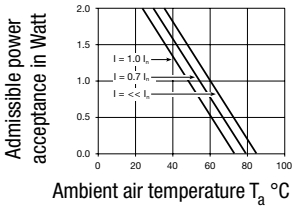
Medical version



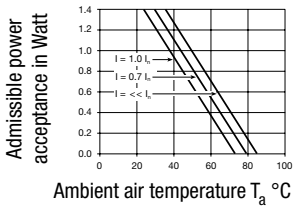
1) Line
2) Load

Derating Curves

1-pole



2-pole

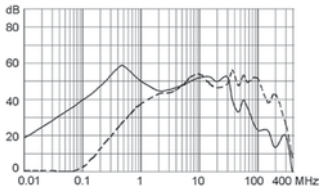


Attenuation Loss

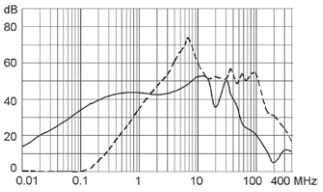
- - - - differential mode _____ common mode

Standard version

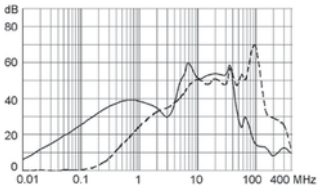
1 A



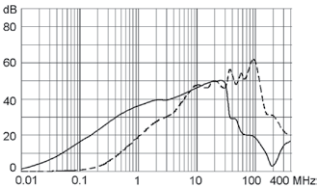
2 A



4 A



6 A



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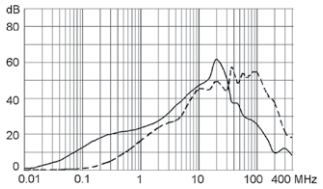
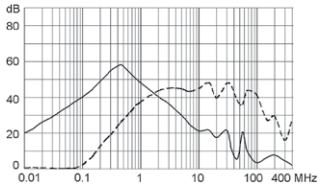
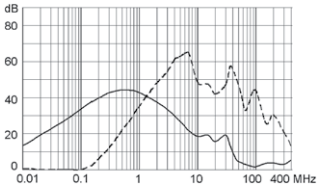


Medical version (M5)

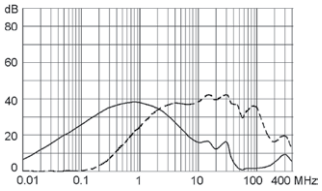
1 A



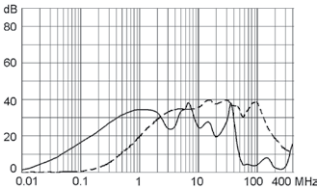
2 A



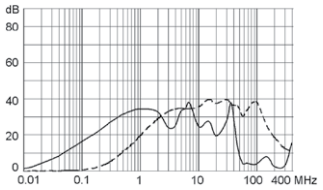
4 A



6 A



10 A



All Variants

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

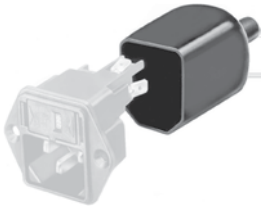


Fusedrawer 2
Fusedrawer für Fuse Links 5x20 mm, with or without Voltage Selector Insert

Accessories



Wire Harness
Wire harness for SCHURTER products



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 KMF	



Connector Overview complete

IEC Connector C13, Rewireable, Straight	4782
IEC Connector C13, Rewireable, Straight	4022
IEC Connector C13, Rewireable, Angled	4785
IEC Connector C13, Rewireable, Angled	4300-06
IEC Connector C13, Rewireable, Angled	4012
Connector further types to KMF	...

22.04.2015

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.