

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

Standard- or Medical-Filter



C14

70° C



Description

- Panel Mount:
Screw-on 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 6.3 x 0.8 mm

Approvals

- VDE Certificate Number: 40001522
- UL File Number: E72928

Characteristics

- Ultra-compact design. Ideal for low profile designs
Aluminum case provides good shielding
- All single elements are already wired
- Fuse drawer meets requirements of medical standard IEC/EN 60601-1
The fuseholder is accessible from the equipment front
For added safety "Extra-Safe" fuse drawers are available
- Ideal for application with high transient loads
Designed for standard and medical applications
- 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

- Solder terminals
- Fuse drawer 1-pole, plus spare fuse case
- Fuse drawer 2-pole, with shorting bar
- Other rocker marking
- Line switch, illuminated
- Line switch 1-pole
- Medical version M80
- Class X1- and Y1-capacitors for enhanced withstand voltage
- Variant with notch for V-Lock mating Cordsets

References

Alternative: version without line filter [DD11](#)
Alternative: version for snap-in mounting [KMF](#)
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](#)

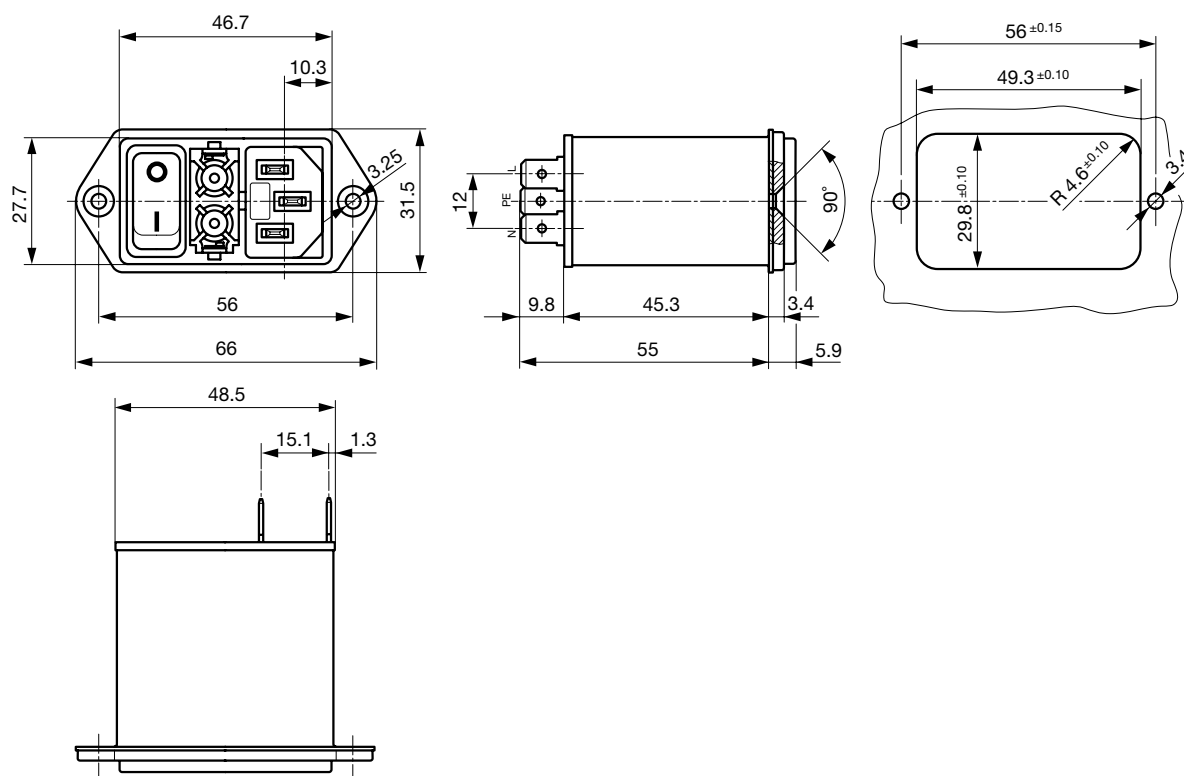
Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 8A @ Ta 40 °C / 250VAC; 60Hz
Leakage Current	standard < 0.5 mA (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 (1 min/50Hz)
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-on mounting: max 8mm 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
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: 2W (1 pole)/ 1.6W (2-pole) per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Line Switch	Rocker 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	> 2'000'000h acc. to MIL-HB-217 F

Dimension

Screw version

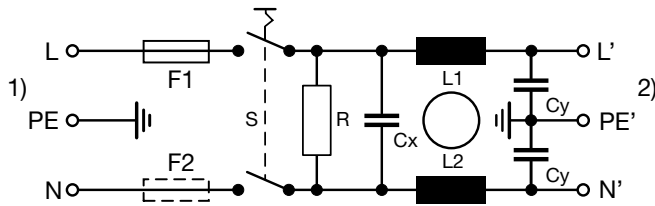
**Technical Data of Filter-Components**

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 10	100	2.2	1
2	Standard Version	2 x 4	100	2.2	1
4	Standard Version	2 x 1.5	100	2.2	1
6	Standard Version	2 x 0.8	100	2.2	1
8	Standard Version	2 x 0.6	100	2.2	1
10	Standard Version	2 x 0.3	100	2.2	1
1	Medical Version (M5)	2 x 10	100	-	1
2	Medical Version (M5)	2 x 4	100	-	1
4	Medical Version (M5)	2 x 1.5	100	-	1
6	Medical Version (M5)	2 x 0.8	100	-	1
8	Medical Version (M5)	2 x 0.6	100	-	1
10	Medical Version (M5)	2 x 0.3	100	-	1

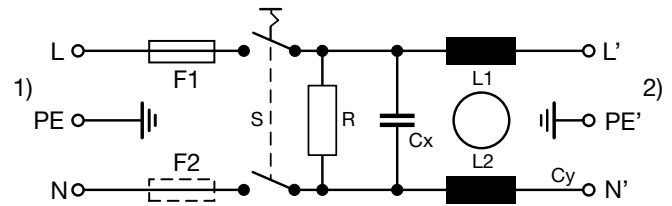
Diagrams

Standard version
non illuminated

Medical version M5
non illuminated



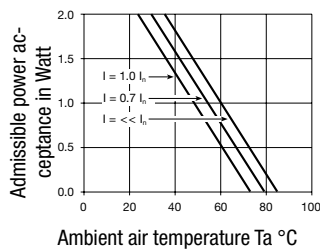
1) Line
2) Load



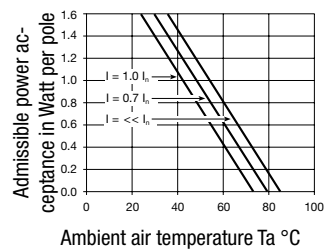
1) Line
2) Load

Derating Curves

1-pole



2-pole

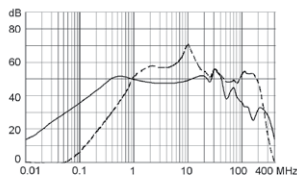


Attenuation Loss

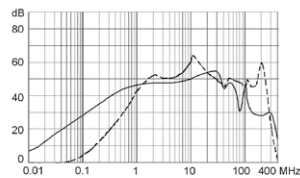
Standard version

--- differential mode ____ common mode

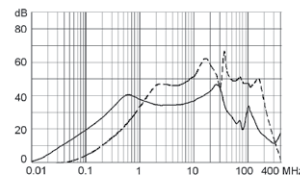
1 A



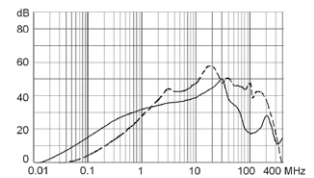
2 A



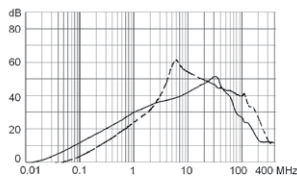
4 A



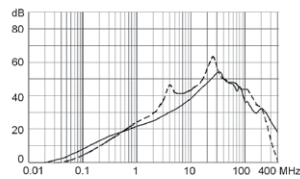
6 A



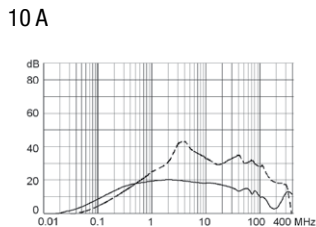
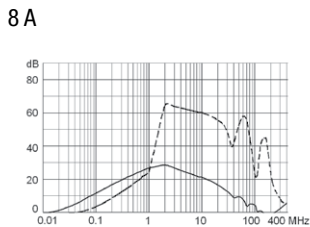
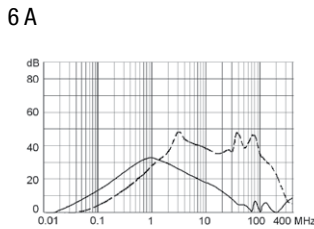
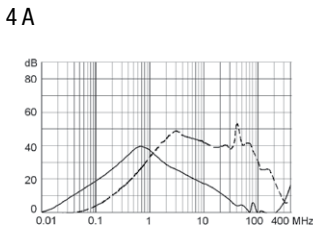
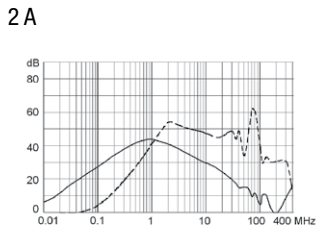
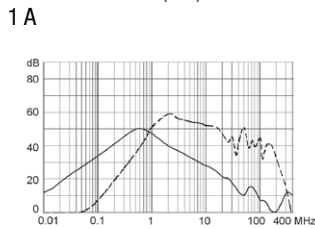
8 A



10 A



Medical version (M5)



All Variants

Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Order Number	
1	Standard Version	1-pole	2-pole	DD12.1111.111	■
2	Standard Version	1-pole	2-pole	DD12.2111.111	■
4	Standard Version	1-pole	2-pole	DD12.4111.111	■
6	Standard Version	1-pole	2-pole	DD12.6111.111	■
8	Standard Version	1-pole	2-pole	DD12.8111.111	■
10	Standard Version	1-pole	2-pole	DD12.9111.111	■
1	Standard Version	2-pole	2-pole	DD12.1121.111	■
2	Standard Version	2-pole	2-pole	DD12.2121.111	■
2	Standard Version	2-pole	2-pole	DD12.2124.111	■
4	Standard Version	2-pole	2-pole	DD12.4121.111	■
6	Standard Version	2-pole	2-pole	DD12.6121.111	■
8	Standard Version	2-pole	2-pole	DD12.8121.111	■
10	Standard Version	2-pole	2-pole	DD12.9121.111	■
1	Medical Version (M5)	2-pole	2-pole	DD12.1321.111	■
2	Medical Version (M5)	2-pole	2-pole	DD12.2321.111	■
4	Medical Version (M5)	2-pole	2-pole	DD12.4321.111	■
6	Medical Version (M5)	2-pole	2-pole	DD12.6321.111	■
8	Medical Version (M5)	2-pole	2-pole	DD12.8321.111	■
10	Medical Version (M5)	2-pole	2-pole	DD12.9321.111	■

■ Most Popular.

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

10 A version only IEC approval.

Packaging unit 20 Pcs

Required Accessory

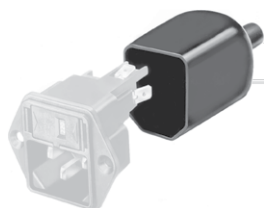
Description



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 DD12



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 DD12