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

Standard- or Medical-Filter

new

C14

70° C

RoHS COMPLIANT

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 60950

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

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, Mounting instruction, Detailed request for product
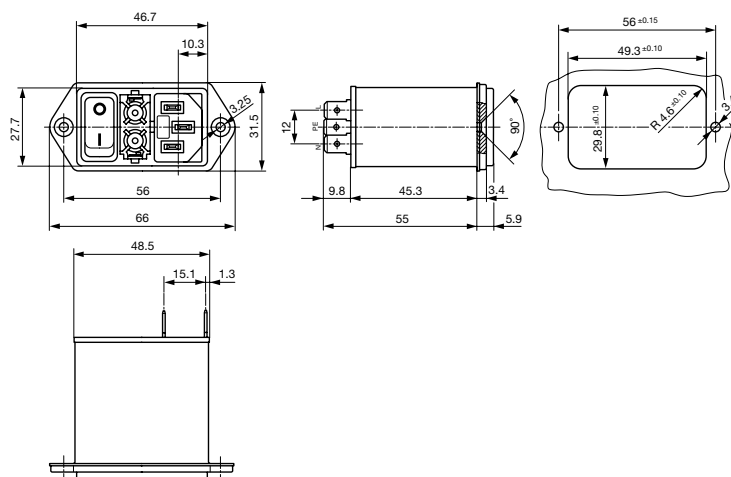
Technical Data

Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 8 A @ Ta 40 °C / 250 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 (1 min/50 Hz)
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 8 mm Mounting screw torque max 0.5 Nm
Material: Housing	Thermoplastic, black, UL 94V-0

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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)/ 1.6 W (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, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical Details
MTBF	> 2'000'000 h acc. to MIL-HB-217 F

Dimensions
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	Medical version M5
non illuminated	non illuminated
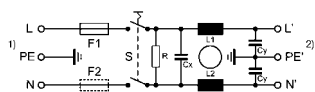
1) Line
2) Load
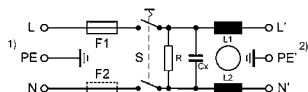
1) Line
2) Load

Derating Curves

1-pole

2-pole

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Connectors
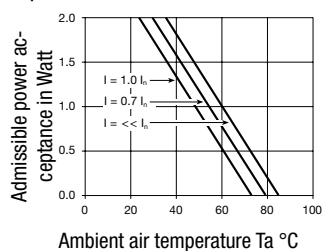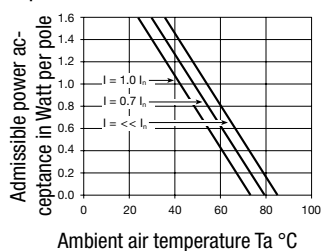
Attenuation Loss

- - - - differential mode _____ common mode

Standard version
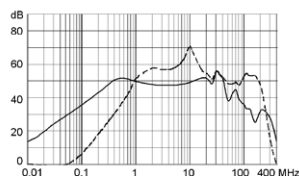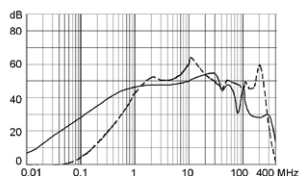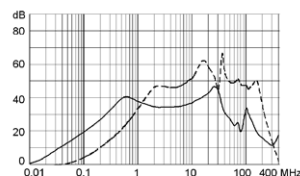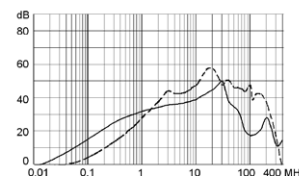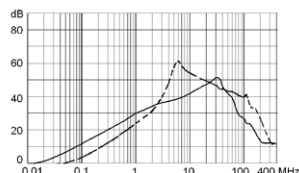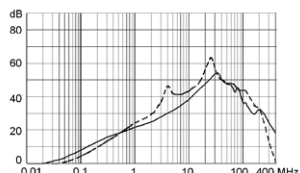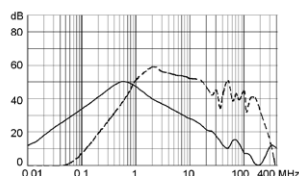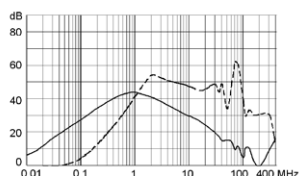
1 A	2 A	4 A	6 A

8 A	10 A

Medical version (M5)
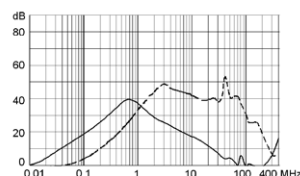
1 A	2 A	4 A	6 A

8 A	10 A

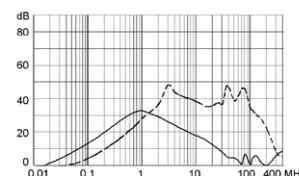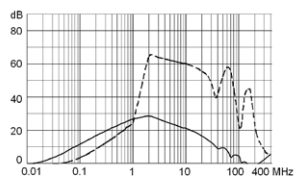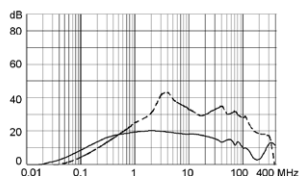## Variants

Fuse drawer must be ordered separately (see accessories).
Fingergrip and Extra Safe. The same drawer as used by type KEA.

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
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

Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Order Number
8	Medical Version (M5)	2-pole	2-pole	DD12.8321.111
10	Medical Version (M5)	2-pole	2-pole	DD12.9321.111

10 A version only approved up to 8 A at UL.
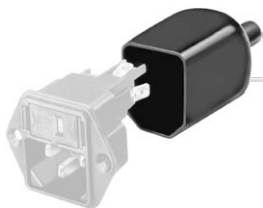
Packaging unit   20 Pcs

Required Accessory

Description

Fusedrawer 2
Fusedrawer with and 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
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal	5092

Appliance Outlet further types to DD12

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Connector Overview complete

IEC Connector C15, Rewireable, Straight	0101
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
Connector further types to DD12	...

Power Cord Overview complete

Power Cord with IEC Connector C13, Angled	0311
Power Cord with IEC Connector C13, Angled	3011
Power Cord with IEC Connector C13, Angled	3012
Power Cord with IEC Connector C13, Angled	3013
Power Cord with IEC Connector C13	3020
Power Cord further types to DD12	...

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The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.

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