

IEC Appliance Inlet C14 with Filter

Standard- or Medical-Filter



C14

 70° C

**Description**

- Panel Mount:
Snap-in or screw-on mounting from front side
- 2 Functions:
Appliance Inlet Protection class I, Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm

Approvals

- VDE Certificate Number: 40035745
- UL File Number: E72928
- CCC File Number: 2006010204191430

Characteristics

- Ultra-compact design
- All single elements are already wired
- Suitable for use in equipment according to IEC 60950

Other versions on request

- Capacity CX 100 nF
- Medical version M80

References

Alternative: Standard version

Alternative: version without line filter [6100-3](#)**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](#)

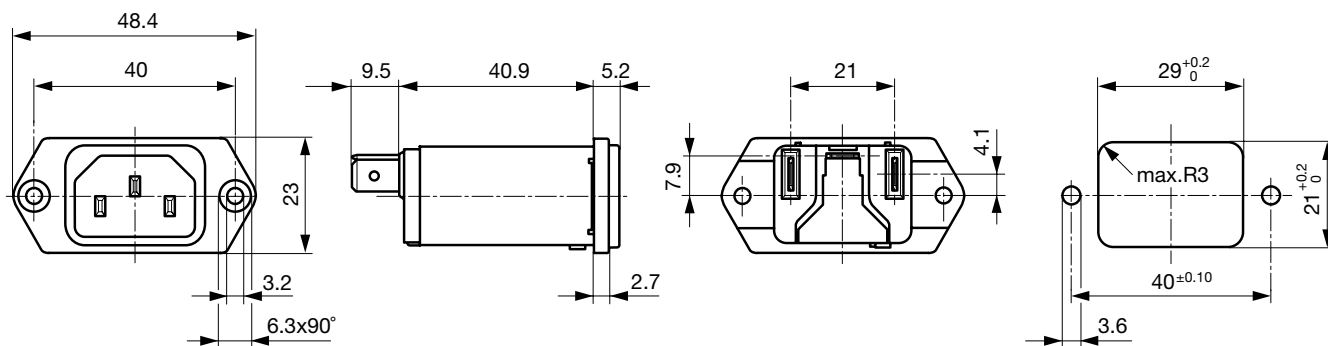
Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 15A @ 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 6.3 x 0.8 mm
Panel Thickness s	Screw: max 5 mm Mounting screw torque max 0.5 Nm Snap-in: 0.8 mm to 3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

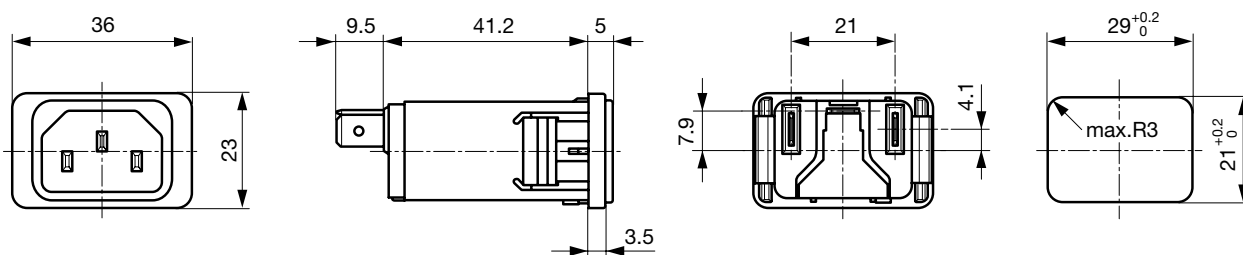
Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, CSA C22.2 no. 8 Technical Details
MTBF	> 3'100'000 h acc. to MIL-HB-217 F

Dimensions

Screw-on mounting



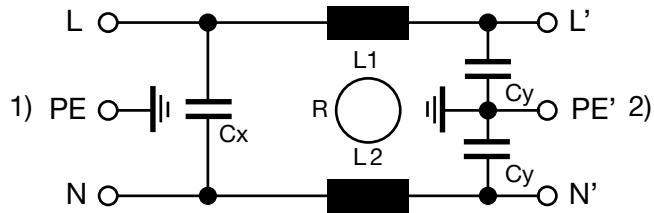
Snap-in mounting

**Technical Data of Filter-Components**

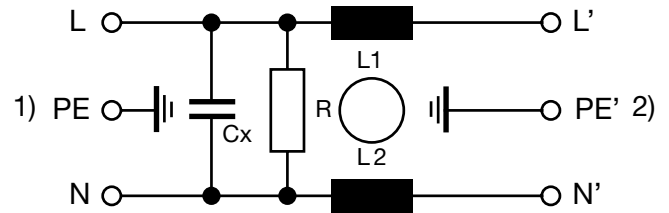
Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 11	47	2.2	-
2	Standard Version	2 x 4	47	2.2	-
3	Standard Version	2 x 2.5	47	2.2	-
4	Standard Version	2 x 1.6	47	2.2	-
6	Standard Version	2 x 0.7	47	2.2	-
8	Standard Version	2 x 0.6	47	2.2	-
10	Standard Version	2 x 0.4	47	2.2	-
15	Standard Version	2 x 0.1	47	2.2	-
1	Medical Version (M5)	2 x 11	47	-	1
2	Medical Version (M5)	2 x 4	47	-	1
3	Medical Version (M5)	2 x 2.5	47	-	1
4	Medical Version (M5)	2 x 1.6	47	-	1
6	Medical Version (M5)	2 x 0.7	47	-	1
8	Medical Version (M5)	2 x 0.6	47	-	1
10	Medical Version (M5)	2 x 0.4	47	-	1
15	Medical Version (M5)	2 x 0.1	47	-	1
10	Standard and Medical Version	2 x 0.4	47	2.2	1

Diagrams

Standard version



Medical version

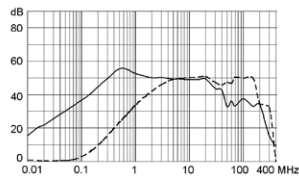


Attenuation Loss

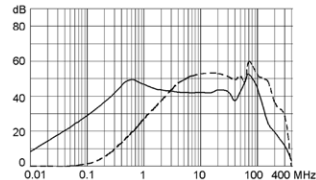
Standard version

- - - differential mode ____ common mode

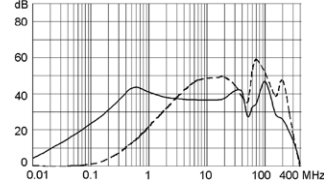
1 A



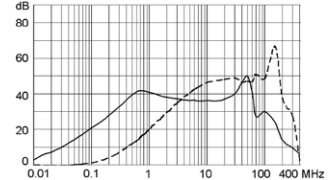
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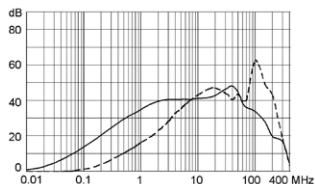
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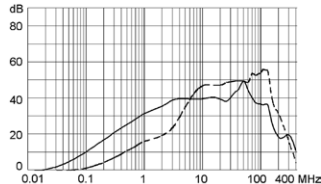
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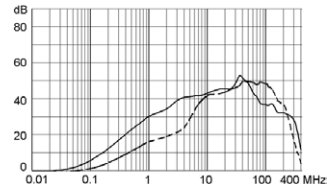
6 A



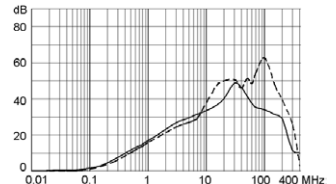
8 A



10 A

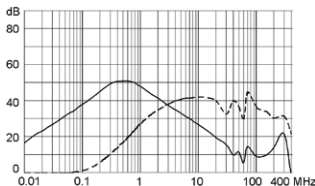


15 A

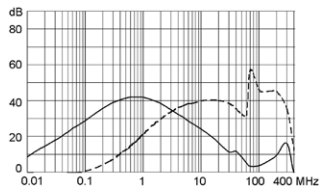


Medical version (M5)

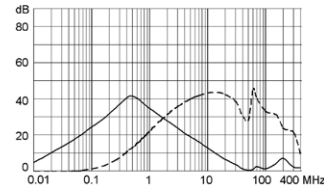
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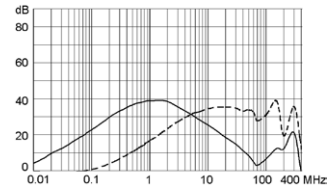
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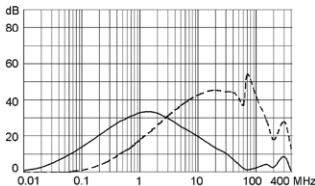
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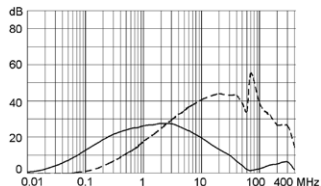
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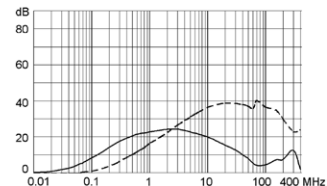
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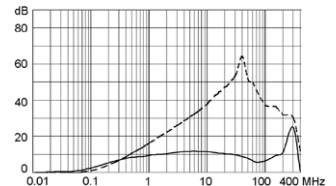
8 A



10 A



15 A



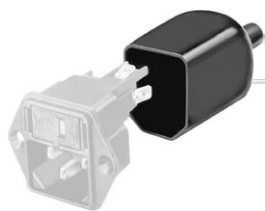
Variants

Rated Current [A]	Filter-Type	Panel mounting	Order Number
1	Standard Version	Screw	5110.0133.1
2	Standard Version	Screw	5110.0233.1
3	Standard Version	Screw	5110.0333.1
4	Standard Version	Screw	5110.0433.1
6	Standard Version	Screw	5110.0633.1
8	Standard Version	Screw	5110.0833.1
10	Standard Version	Screw	5110.1033.1
15	Standard Version	Screw	5110.1533.1
1	Standard Version	Snap-in	5110.0143.1
2	Standard Version	Snap-in	5110.0243.1
3	Standard Version	Snap-in	5110.0343.1
4	Standard Version	Snap-in	5110.0443.1
6	Standard Version	Snap-in	5110.0643.1
8	Standard Version	Snap-in	5110.0843.1
10	Standard Version	Snap-in	5110.1043.1
15	Standard Version	Snap-in	5110.1543.1
1	Medical Version (M5)	Screw	5110.0133.3
2	Medical Version (M5)	Screw	5110.0233.3
3	Medical Version (M5)	Screw	5110.0333.3
4	Medical Version (M5)	Screw	5110.0433.3
6	Medical Version (M5)	Screw	5110.0633.3
8	Medical Version (M5)	Screw	5110.0833.3
10	Medical Version (M5)	Screw	5110.1033.3
15	Medical Version (M5)	Screw	5110.1533.3
1	Medical Version (M5)	Snap-in	5110.0143.3
2	Medical Version (M5)	Snap-in	5110.0243.3
3	Medical Version (M5)	Snap-in	5110.0343.3
4	Medical Version (M5)	Snap-in	5110.0443.3
6	Medical Version (M5)	Snap-in	5110.0643.3
8	Medical Version (M5)	Snap-in	5110.0843.3
10	Medical Version (M5)	Snap-in	5110.1043.3
15	Medical Version (M5)	Snap-in	5110.1543.3

Packaging unit 10 Pcs

Accessories

Description



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 5110](#)



[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 5110](#)