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/UL 60950
  Suitable for use in medical equipment according to IEC/UL 60601-1

Other versions on request

- Capacity CX 100 nF
- Medical version M80

References

Alternative: version without line filter 6100-3

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

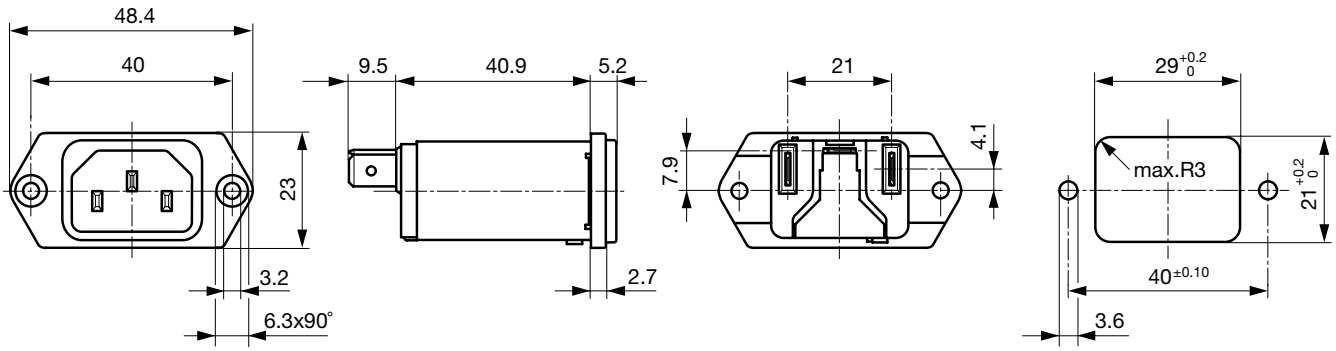
Technical Data

Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 15 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 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

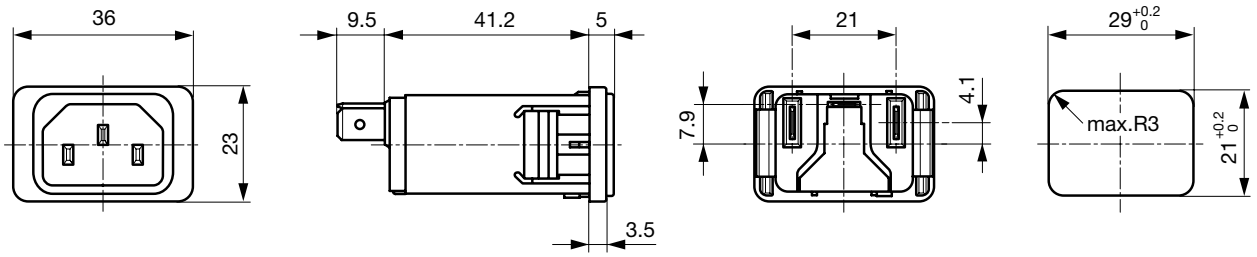
Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 3'100'000 h acc. to MIL-HB-217 F

Dimension

Screw-on mounting



Snap-in mounting

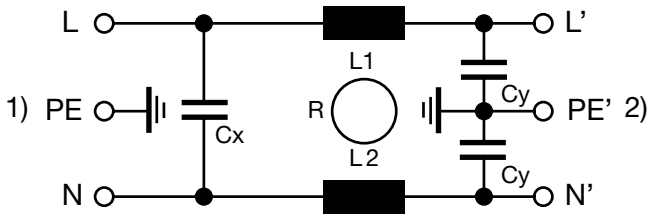


Technical Data of Filter-Components

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

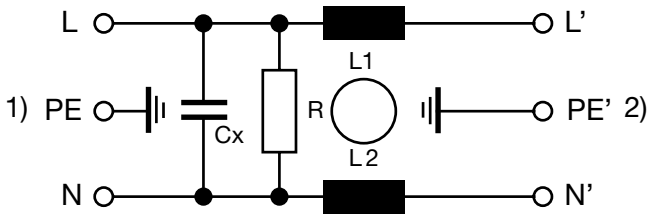
Diagrams

Standard version



1) Line
2) Load

Medical version



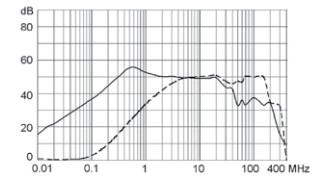
1) Line
2) Load

Attenuation Loss

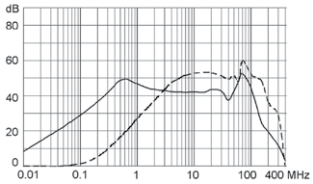
- - - - differential mode _____ common mode

Standard version

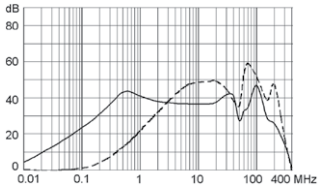
1 A



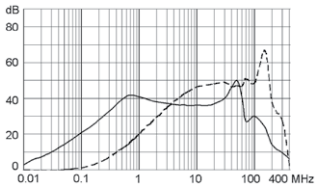
2 A



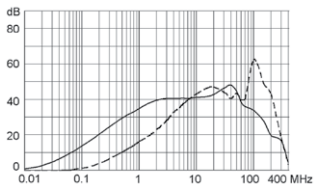
3 A



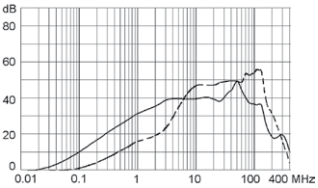
4 A



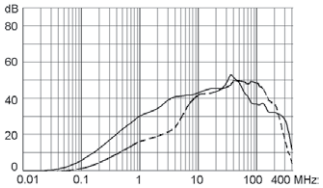
6 A



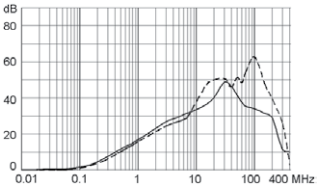
8 A



10 A

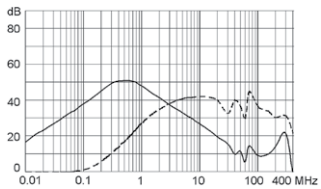


15A

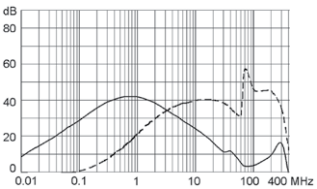


Medical version (M5)

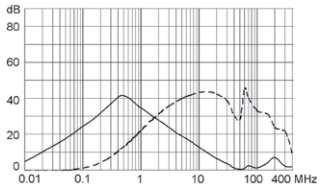
1 A



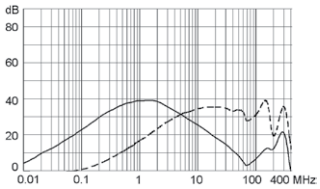
2 A



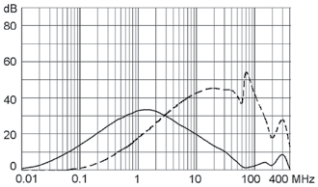
3 A



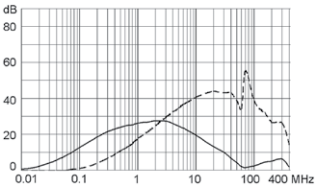
4 A



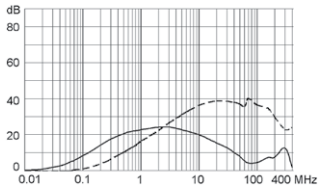
6 A



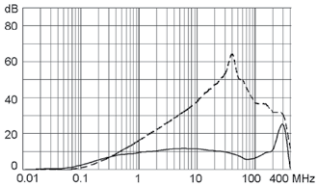
8 A



10 A



15A



All Variants

Rated Current [A]	Filter-Type	Panel mounting	Order Number	
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	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	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	▮
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	▮

▮ Most Popular.

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

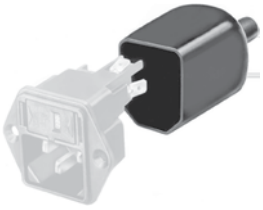
Packaging unit 10 Pcs

Accessories

Description



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 5110	



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 5110	...

22.04.2015

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