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

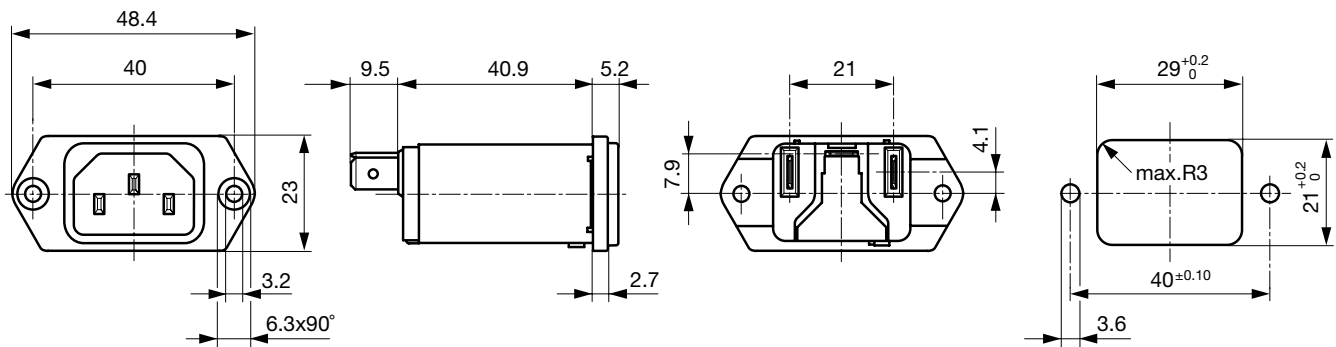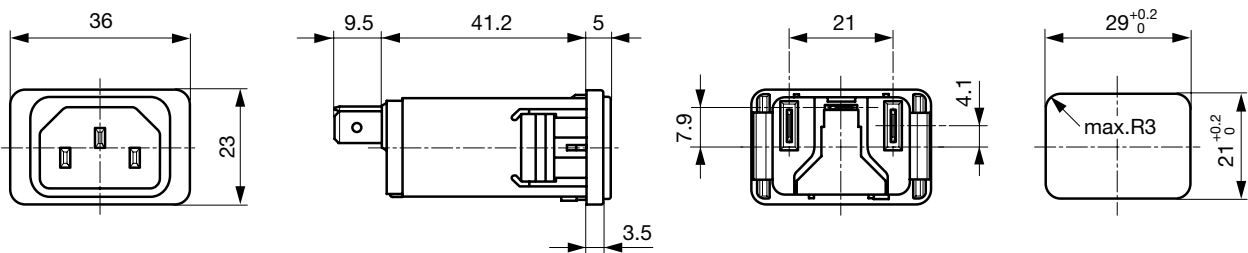|			
Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz	Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Ratings UL/CSA	1 - 15 A @ Ta 40 °C / 125 VAC; 60 Hz		
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 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)	Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
Allowable Operation Temp.	-25 °C to 85 °C	MTBF	> 3'100'000 h acc. to MIL-HB-217 F
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		

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

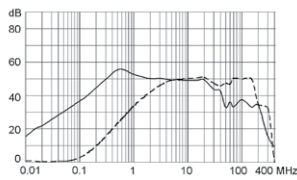Standard version
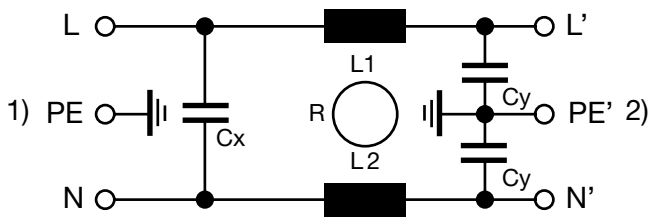
Medical version
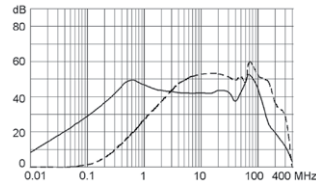
1) Line
2) Load
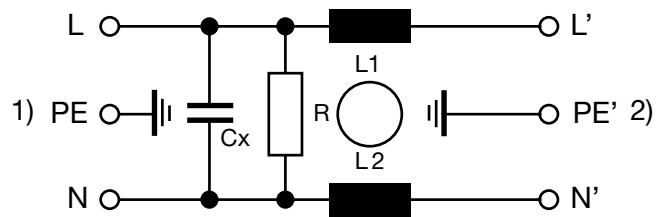
1) Line
2) Load

Attenuation Loss

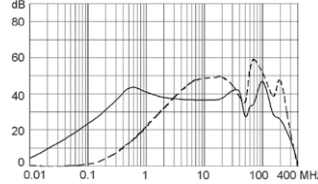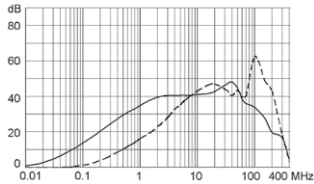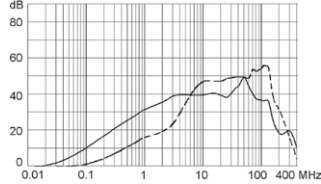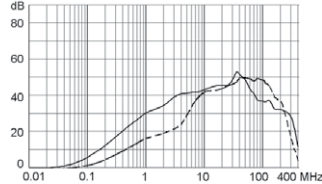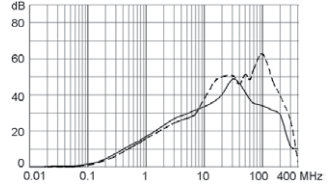- - - - differential mode _____ common mode
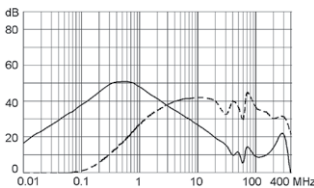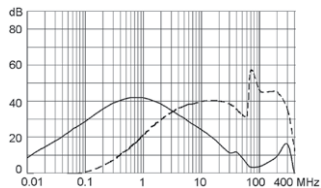
Standard version
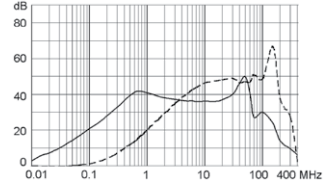
| 1 A | 2 A | 3 A | 4 A |

| 6 A | 8 A | 10 A | 15A |

Medical version (M5)
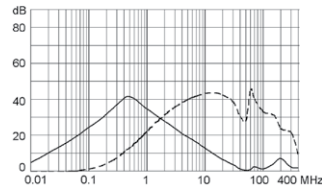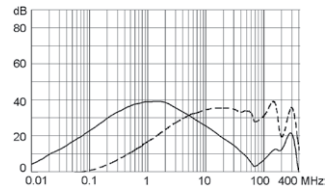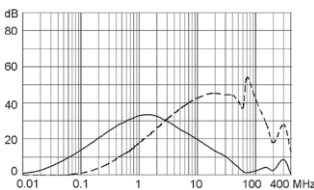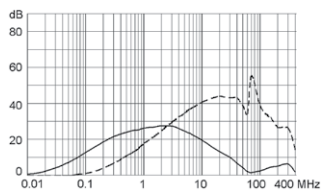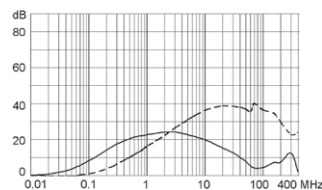
| 1 A | 2 A | 3 A | 4 A |

| 6 A | 8 A | 10 A | 15A |
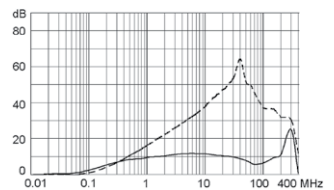
All Variants

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
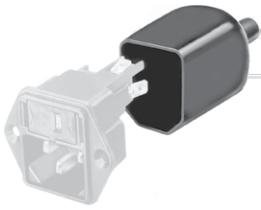
Assorted Covers
Rear Cover

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 ...

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for schurter *manufacturer:*

Other Similar products are found below :

4420.0380　4310.0028　0034.7115　0001.1007.PT　0034.3406　0034.9889　7040.3140　FMAC-0934-3610　FMAD-0931-0810　FMW-65-0005　1241.3663　1241.2506　1301.9211　DC11.0001.301　9632.5100　FMBC-0994-1000　CE20.6100.151　3-101-015　4400.0344　4420.0361　4752.4000　5500.2605.01　3404.2330.11　3405.0176.11　KD13.1101.105　DC12.5102.101　4303.1061　4420.0210　4430.1129　4430.1892　DKIP-0229-1005　091132B　5500.2267　6162.0083　8020.5081　5120.1006.0.21　5130.2101　CD24.4101.151　CD44.4199.151　AS168X-CB2H030　6136.0137.0210　FMBC-A91C-1610　FMAC-0932-2510　1068.1012.1110001　TA35-CFTBLJ04C0　1241.2903.002　1241.6623.1124000　1241.3008　0001.2535　KD13.1101.151.21