

Inlet with high frequency filter, X2Y technology, ECO design, front- or rear side mounting

Standard- or Medical-Filter



new

Screw-on or rivet mounting
from front or rear sideScrew-on mounting from rear side (integrated
thread)C14

70° C**Description**

- Panel Mount:
Screw-on version from front or rear side
- 2 Functions:
Appliance Inlet, High frequency line filter as standard, industrial and medical version, Protection class I
- Quick connect terminals 6.3 x 0.8 mm

Approvals

- VDE License Number: 40023426
- UL License Number: E72928

Characteristics

- Very compact filter for frequencies up to 1 GHz
Patented X2Y Technologie for broadband high frequency filtering
- Double shielding for best filter performance
One single filter design for the given current range
- Designed for standard, industrial and medical applications
Suitable for assembly in metal plated plastic housings
- For use in equipment acc. IEC 60950/60601

Other versions on request

- Solder terminals

References
[General Product Information](#)
Weblinks
[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)
Technical Data

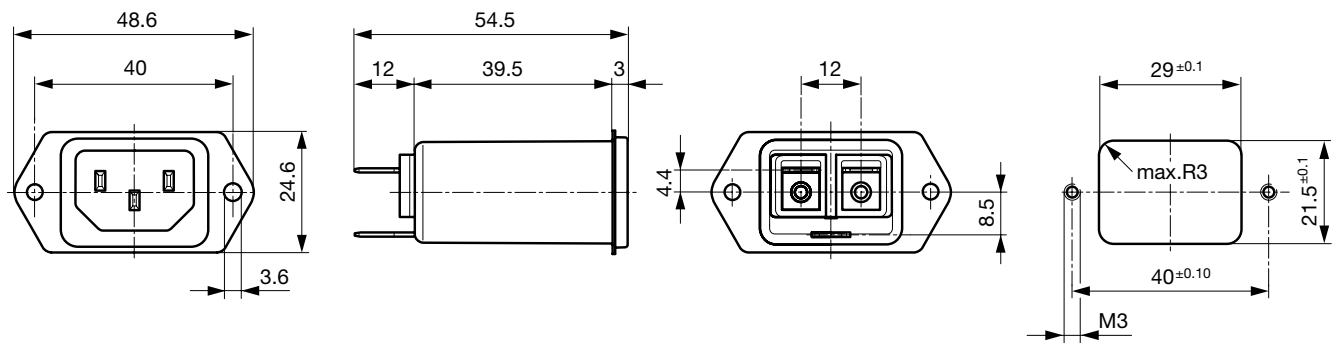
Ratings IEC	10A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	15A @ Ta 40 °C / 250VAC; 60Hz
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 80 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 85 °C
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-on: max 8mm Mounting screw torque max 0.5Nm
Material: Housing	Thermoplast / steel tin-plated, black / metallic, UL 94V-0

Appliance-Inlet/-Outlet	C14 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection class I
Line Filter	Standard, medical and industrial version, IEC 60939, IEC 60601-1, UL 1283, UL 544, CSA C22.2 no. 8 Technical details
MTBF	> 3'300'000h acc. to MIL-HB-217 F

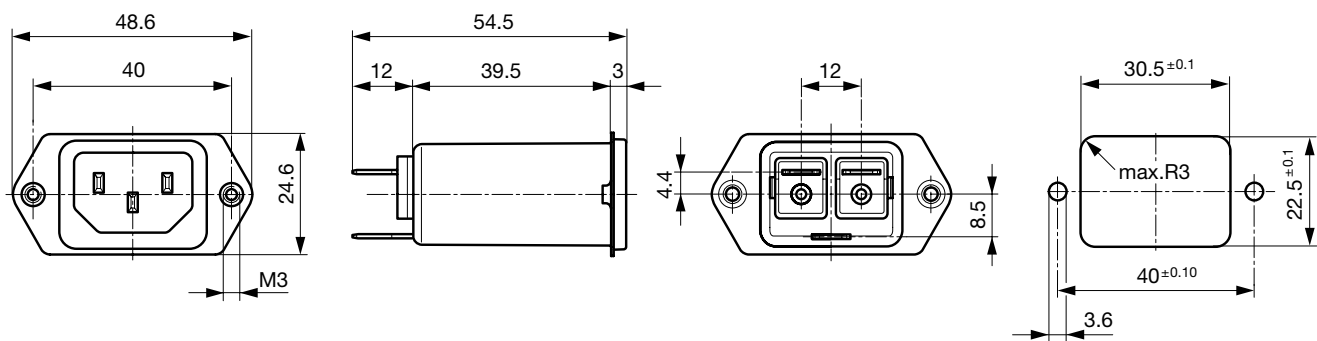
Dimensions

Length | 54.5 mm

Front or rear side mounting for screws with nuts or blind rivets (panel cutout for frontside mounting)



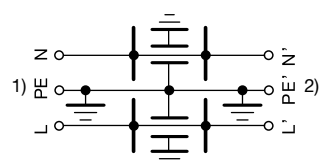
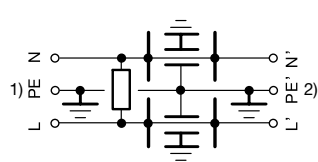
Rear side mounting with pre-formed, threaded holes for M3 screws (panel cutout for rear side mounting)

**Technical Data of Filter-Components**

Rated Current [A]	Filter-Type	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
10	Standard Version	1.25	2.5	-
10	Standard Version	1.25	2.5	-
10	Standard Version with Bleed Resistor	1.25	2.5	1
10	Standard Version with Bleed Resistor	1.25	2.5	1
10	Industrial Version	2.35	4.7	-
10	Industrial Version	2.35	4.7	-
10	Medical Version (M80)	0.225	0.45	1
10	Medical Version (M80)	0.225	0.45	1

Diagrams

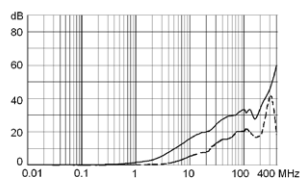
Standard and industrial version

1) Line
2) LoadMedical M80 and standard version
with bleed resistor1) Line
2) Load

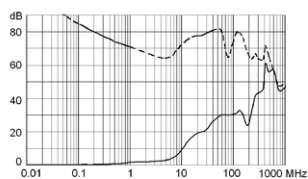
Attenuation Loss

Standard version

CISPR 17 Test Method



Alternate Test Method

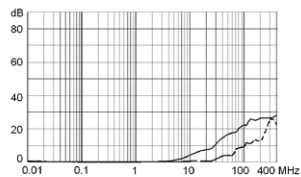


- - - differential mode ____ common mode

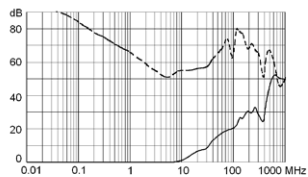
same attenuation loss with bleed resistor

Medical version (M80)

CISPR 17 Test Method

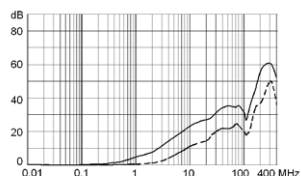


Alternate Test Method

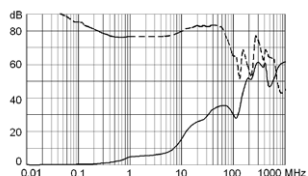


Industrial Version

CISPR 17 Test Method



Alternate Test Method



Comment about alternate test method
see table of variants

Variants
[Distributor-Stock-Check](#) | [SCHURTER-Stock-Check](#) | [e-Store](#)

Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel mounting	Mounting side	Order Number
10	15	Standard Version	Screw-on/Rivet	Front-/Rear-Side	5150.0011.0
10	15	Standard Version	Screw-on	Rear-Side	5150.0011.1
10	15	Standard Version with Bleed Resistor	Screw-on/Rivet	Front-/Rear-Side	5150.0021.0
10	15	Standard Version with Bleed Resistor	Screw-on	Rear-Side	5150.0021.1
10	15	Industrial Version	Screw-on/Rivet	Front-/Rear-Side	5150.0041.0
10	15	Industrial Version	Screw-on	Rear-Side	5150.0041.1
10	15	Medical Version (M80)	Screw-on/Rivet	Front-/Rear-Side	5150.0031.0
10	15	Medical Version (M80)	Screw-on	Rear-Side	5150.0031.1

The Alternate Test Method allows the measurement in the GHz frequency range whereas the CISPR 17 method does not cover frequencies above 30MHz. The insertion loss is measured in a throughput method (common mode) and a cross coupled method (differential mode). The differential mode measurement of the alternate test method is not directly comparable to the conventional measurement acc. CISPR 17.

Further information on the X2Y filter technology and on the alternate insertion loss measurement method can be found under www.schurter.com/info_emc

Packaging unit

10 Pcs

Accessory

Description



Assorted Covers
Rear Cover

0859.0048



Cord retaining kits
Cord retaining strain relieve

Flat head, E

4700.0005

Flat head, G

4700.0007

Passende Dose

Category / Description

Appliance Outlet



IEC appliance outlet F, screw-on mounting, front side, solder /quick connect terminal

4787

IEC appliance outlet F, screw-on mounting, front side, solder /quick connect terminal

4788

IEC appliance outlet F oder H, screw-on mounting, front side, solder/PCB/quick connect terminal

5091

IEC appliance outlet F oder H, screw-on mounting, front side, solder/quick connect terminal

5092

Connector



IEC cord connector C15, rewirable, straight

0101

IEC cord connector C15A, rewirable, straight

0102

IEC cord connector C15A, rewirable, straight

0102-G

IEC cord connector C15A, rewirable, angled

0112

IEC cord connector C13, rewirable, angled

4012

IEC cord connector C13, rewirable, angled

4013

IEC cord connector C13, rewirable, straight

4020

IEC cord connector C13, rewirable, straight

4021

IEC cord connector C13, rewirable, straight

4022

IEC cord connector C13, rewirable, angled

4300-06

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Power Supply or Interconnection Cord



Power Cord with IEC Appliance Connector C13, angled, 70°C

0311

Power Cord with IEC Appliance Connector C13, angled, 70°C

3011

Power Cord with IEC Appliance Connector C13, angled, 70°C

3012

Power Cord with IEC Appliance Connector C13, angled, 70°C

3013

Power Cord with IEC Appliance Connector C13, 70°C

3020

Power Cord with IEC Appliance Connector C13, straight, 70°C

3027

Power Cord with IEC Appliance Connector C13, straight, 70°C

302U

Power Cord with IEC Appliance Connector C13, straight, 70°C

3030

Power Cord with IEC Appliance Connector C13, angled, 70°C

311L

Power Cord with IEC Appliance Connector C13, angled, 70°C

312L

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