

Inlet filter, front- or rear side mounting, protection class I or II

Standard- or Medical-Filter




Front or rear mounting  
Protection class I



Rear mounting with  
integrated thread  
Protection class I



Front or rear mounting  
Protection class II

C14



70° C

C18



70° C



### Description

- Panel Mount:  
Screw-on version from front or rear side
- 2 Functions:  
Inlet, protection class I or II, Line filter in standard and medical version  
Quick connect terminals 6.3 x 0.8 mm

### Approvals

- VDE License Number: 40016382
- UL License Number: E72928

### Characteristics

- Compact high performance filter
- Qualified for use in equipment according IEC/EN 60950

### Other versions on request

- Class X1 capacitor for enhanced surge withstand voltage
- Medical version M80

### Weblinks

Approvals: <http://www.schurter.com/approvals>  
RoHS: <http://www.schurter.com/rohs>

### Technical Data

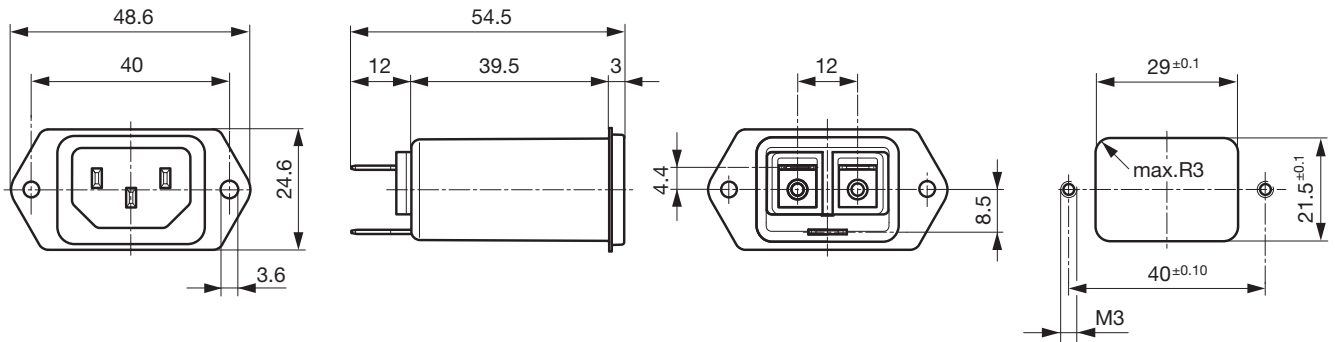
Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 15 A @ Ta 40 °C / 250 VAC; 60 Hz
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °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 or II acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm
Panel Thickness s	Screw-on from rear side to 2.5 mm Mounting screw torque max 0.5 Nm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance-Inlet /-Outlet	C14/C18 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold condition) pin-temperature 70 °C, 10 A, Protection class I or II
Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 <a href="#">Technical details</a>
MTBF	> 3'000'000 h acc. to MIL-HB-217 F

### Dimensions

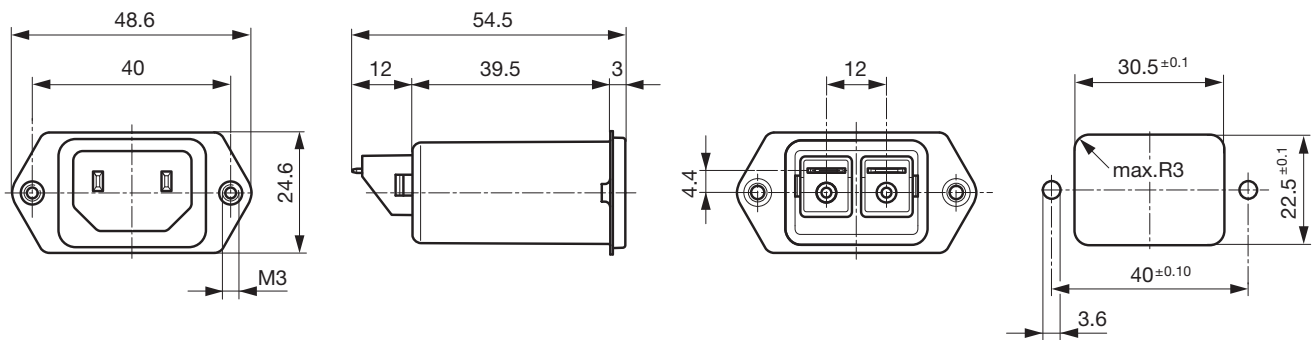
Length 54.5 mm

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



Dimensions for class I version also apply to class II

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



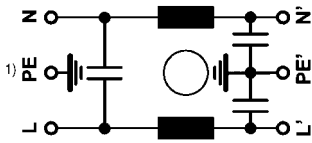
Dimensions for class II version also apply to class I

### Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances	Capacitance	Capacitance	R [MΩ]
		L [mH]	CX [nF]	CY [nF]	
1	Standard Version	2 x 12	100	2.2	-
2	Standard Version	2 x 5.2	100	2.2	-
4	Standard Version	2 x 2	100	2.2	-
6	Standard Version	2 x 0.8	100	2.2	-
10	Standard Version	2 x 0.4	100	2.2	-
15	Standard Version	2 x 0.1	100	2.2	-
1	Bleed Resistor Version	2 x 12	100	2.2	1
2	Bleed Resistor Version	2 x 5.2	100	2.2	1
4	Bleed Resistor Version	2 x 2	100	2.2	1
6	Bleed Resistor Version	2 x 0.8	100	2.2	1
10	Bleed Resistor Version	2 x 0.4	100	2.2	1
15	Bleed Resistor Version	2 x 0.1	100	2.2	1
1	Medical Version (M5)	2 x 12	100	-	1
2	Medical Version (M5)	2 x 5.2	100	-	1
4	Medical Version (M5)	2 x 2	100	-	1
6	Medical Version (M5)	2 x 0.8	100	-	1
10	Medical Version (M5)	2 x 0.4	100	-	1
15	Medical Version (M5)	2 x 0.1	100	-	1

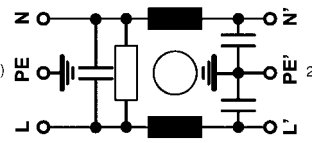
Diagrams

Standard version



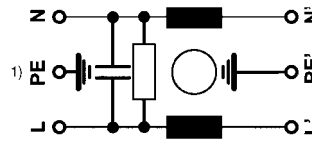
1) Line  
2) Load

Bleed resistor version



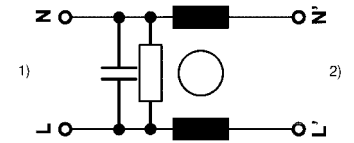
1) Line  
2) Load

Medical version M5



1) Line  
2) Load

Medical version M5, prot. class II



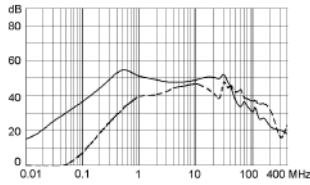
1) Line  
2) Load

Attenuation loss

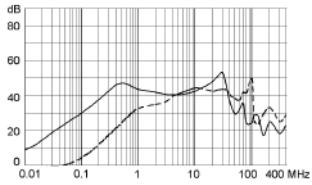
- - - differential mode    \_\_\_\_\_ common mode

Standard version

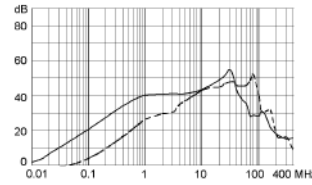
1 A



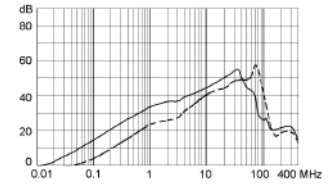
2 A



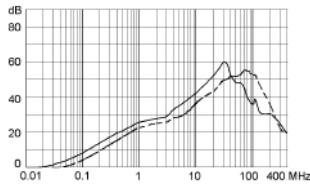
4 A



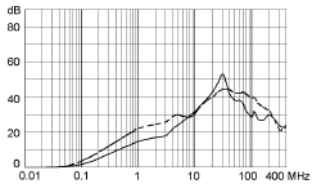
6 A



10 A

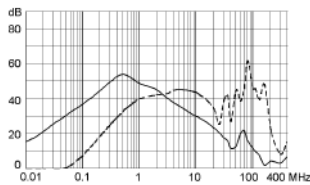


15 A

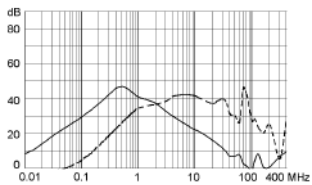


Medical version (M5)

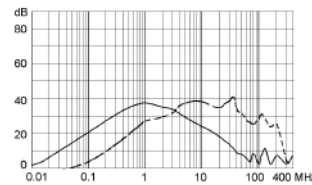
1 A



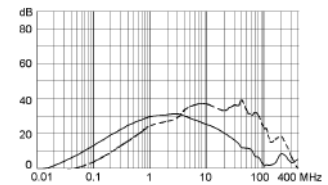
2 A



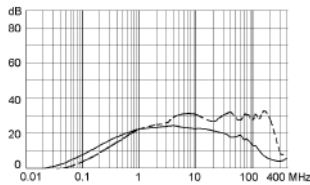
4 A



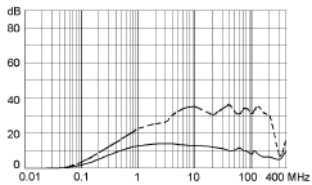
6 A



10 A



15 A



## Variants

Rated Current [A]	Filter-Type	Screw-on version from front	Screw-on version from rear	Protection Class	Order Number
		or rear for screws with nuts, or rivets	with pre-formed, threaded holes for M3 screws		
1	Standard Version		●	I	5120.1000.0
2	Standard Version		●	I	5120.1001.0
4	Standard Version		●	I	5120.1003.0
6	Standard Version		●	I	5120.1004.0
10	Standard Version		●	I	5120.1006.0
15	Standard Version		●	I	5120.1007.0
1	Standard Version	●		I	5120.0000.0
2	Standard Version	●		I	5120.0001.0
4	Standard Version	●		I	5120.0003.0
6	Standard Version	●		I	5120.0004.0
10	Standard Version	●		I	5120.0006.0
15	Standard Version	●		I	5120.0007.0
1	Bleed Resistor Version		●	I	5120.1200.0
2	Bleed Resistor Version		●	I	5120.1201.0
4	Bleed Resistor Version		●	I	5120.1203.0
6	Bleed Resistor Version		●	I	5120.1204.0
10	Bleed Resistor Version		●	I	5120.1206.0
15	Bleed Resistor Version		●	I	5120.1207.0
1	Bleed Resistor Version	●		I	5120.0200.0
2	Bleed Resistor Version	●		I	5120.0201.0
4	Bleed Resistor Version	●		I	5120.0203.0
6	Bleed Resistor Version	●		I	5120.0204.0
10	Bleed Resistor Version	●		I	5120.0206.0
15	Bleed Resistor Version	●		I	5120.0207.0
1	Medical Version (M5)		●	I	5120.1300.0
2	Medical Version (M5)		●	I	5120.1301.0
4	Medical Version (M5)		●	I	5120.1303.0
6	Medical Version (M5)		●	I	5120.1304.0
10	Medical Version (M5)		●	I	5120.1306.0
15	Medical Version (M5)		●	I	5120.1307.0
1	Medical Version (M5)	●		I	5120.0300.0
2	Medical Version (M5)	●		I	5120.0301.0
4	Medical Version (M5)	●		I	5120.0303.0
6	Medical Version (M5)	●		I	5120.0304.0
10	Medical Version (M5)	●		I	5120.0306.0
15	Medical Version (M5)	●		I	5120.0307.0
1	Medical Version (M5)		●	II	5120.1300.1
2	Medical Version (M5)		●	II	5120.1301.1
6	Medical Version (M5)		●	II	5120.1304.1
10	Medical Version (M5)		●	II	5120.1306.1
2	Medical Version (M5)	●		II	5120.0301.1
4	Medical Version (M5)	●		II	5120.0303.1
6	Medical Version (M5)	●		II	5120.0304.1
4	Medical Version (M5)	●		II	5120.1303.1

15 A version only according UL/CSA

Packaging unit 10 Pcs