

AC Filter

Standard- or Medical-Filter



Description

- Chassis:
Screw-on mounting, from top
- Line filter in standard and medical version, 1-stage, standard attenuation
- Quick connect terminals 6.3 x 0.8 mm

Approvals

- VDE Certificate Number: 40004673
- UL File Number: E72928

Characteristics

- Designed for standard applications
- Protection against interference voltage from the mains
Possible interferences generated in the equipment are strongly attenuated
- Universal line filter for standard applications
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

- Version with wire connection
- Version with ZNR-varistor for overvoltage protection

References

Alternative: Standard version

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](#), [Detailed request for product](#)

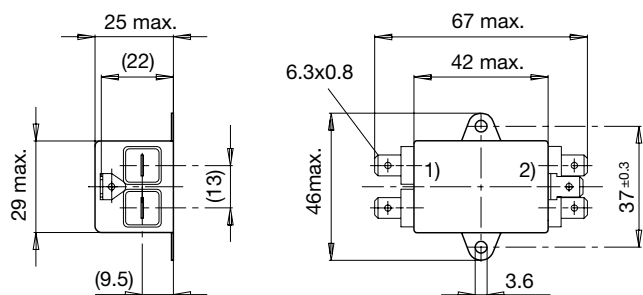
Technical Data

Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.25 mA (250 V / 60 Hz) medical (M5) < 5 µA resp. (M80) < 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 100 °C
Climatic Category	25/100/21 acc. to IEC 60068-1
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm
Material: Housing	Aluminum

Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical Details
MTBF	> 200'000h acc. to MIL-HB-217 F

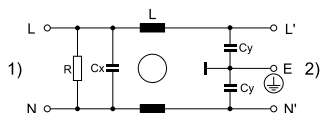
Dimensions

Case 41



- 1) Line
- 2) Load

Diagrams



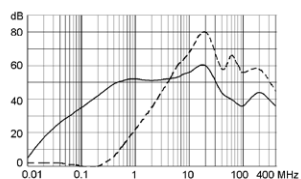
R and Cy according to version, see variants

1) Line, 2) Load

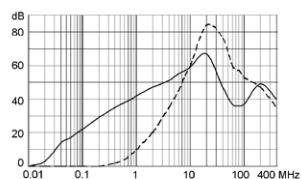
Attenuation Loss

Standard version

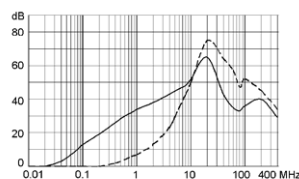
1 A



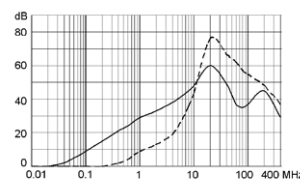
3 A



6 A



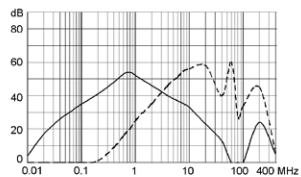
10 A



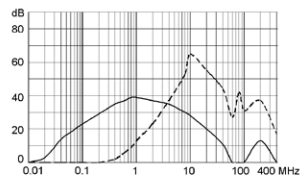
--- differential mode — common mode

Medical version (M5)

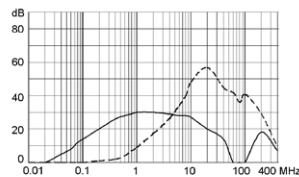
1 A



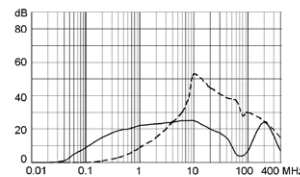
3 A



6 A

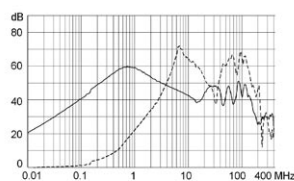


10 A

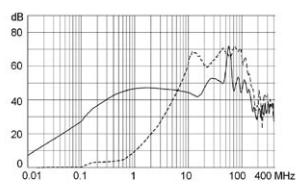


Medical version (M80)

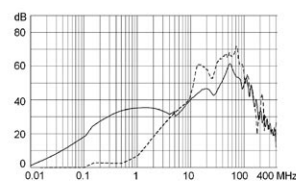
1 A



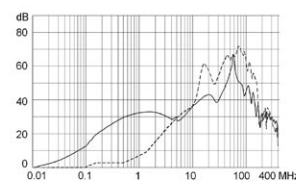
3 A



6 A



10 A



Variants

Rated Current [A]	Filter-Type	Leakage Current [mA]	L [mH]	Cx [nF]	Cy [nF]	R [MΩ]	Weight [g]	Order Number
1	Standard Version	0.25	2 x 10	15	2.2	-	-	5500.2039
3	Standard Version	0.25	2 x 2	15	2.2	-	-	5500.2040
6	Standard Version	0.25	2 x 0.8	15	2.2	-	-	5500.2041
10	Standard Version	0.25	2 x 0.4	15	2.2	-	-	5500.2042
1	Medical Version (M5)	0.005	2 x 10	15	-	1	-	5500.2098
3	Medical Version (M5)	0.005	2 x 2	15	-	1	-	5500.2104
6	Medical Version (M5)	0.005	2 x 0.8	15	-	1	-	5500.2100
10	Medical Version (M5)	0.005	2 x 0.4	15	-	1	-	5500.2102
1	Medical Version (M80)	0.08	2 x 10	15	0.47	1	-	5500.2099
3	Medical Version (M80)	0.08	2 x 2	15	0.47	1	-	5500.2105
6	Medical Version (M80)	0.08	2 x 0.8	15	0.47	1	-	5500.2101
10	Medical Version (M80)	0.08	2 x 0.4	15	0.47	1	-	5500.2103

Packaging unit 25 Pcs