

AC Filter

Standard- or Medical-Filter



Description

- Line filter in standard and medical version
- 1-stage
- standard attenuation

Approvals

- Approval Reference Type: FMW
- 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
- Suitable for use in equipment according to IEC/UL 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](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#), [Microsite](#)

Technical Data

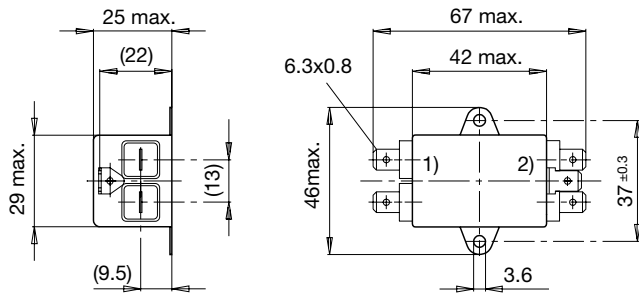
Ratings IEC	1 - 10A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	standard < 0.25mA (250V / 60Hz) medical (M5) < 5 µA resp. (M80) < 80 µA (250 V / 60 Hz)
Dielectric Strength	1.7 kVDC between L-N 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temperature	-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, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 200'000h acc. to MIL-HB-217 F

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

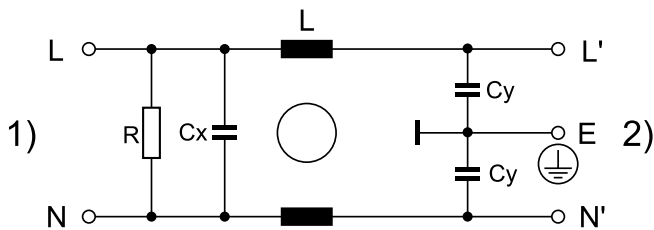
Dimension [mm]

Case 41



- 1) Line
- 2) Load

Diagrams



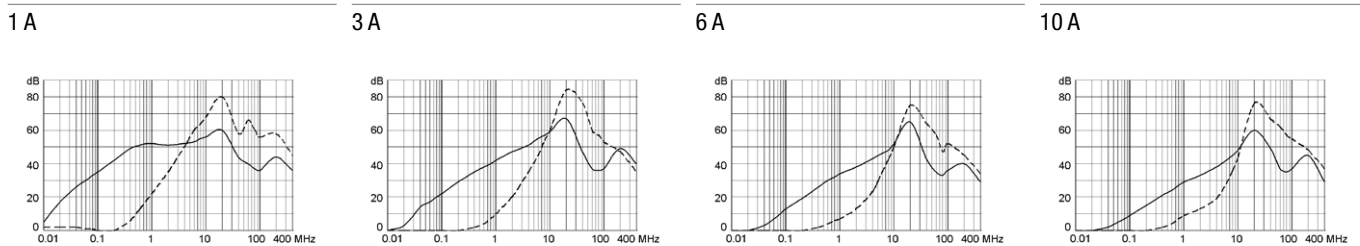
R and Cy according to version, see variants

- 1) Line, 2) Load

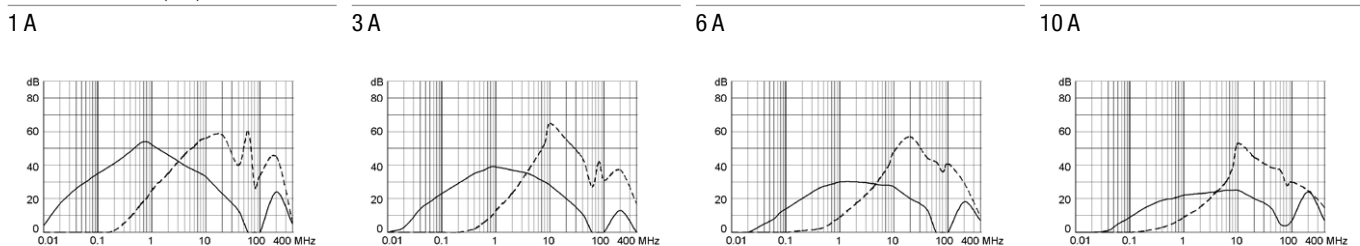
Attenuation Loss

--- 50Ω differential mode ___ 50Ω common mode

Standard version

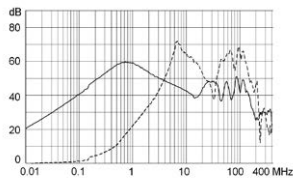


Medical version (M5)

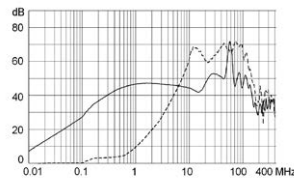


Medical version (M80)

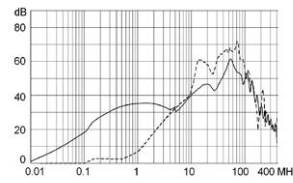
1 A



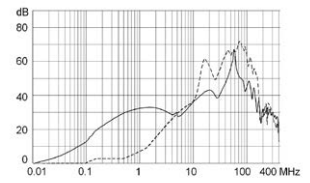
3 A



6 A



10 A



All 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	-	55 g	5500.2039
3	Standard Version	0.25	2 x 2	15	2.2	-	55 g	5500.2040
6	Standard Version	0.25	2 x 0.8	15	2.2	-	55 g	5500.2041
10	Standard Version	0.25	2 x 0.4	15	2.2	-	55 g	5500.2042
1	Medical Version (M5)	0.005	2 x 10	15	-	1	55 g	5500.2098
3	Medical Version (M5)	0.005	2 x 2	15	-	1	55 g	5500.2104
6	Medical Version (M5)	0.005	2 x 0.8	15	-	1	55 g	5500.2100
10	Medical Version (M5)	0.005	2 x 0.4	15	-	1	55 g	5500.2102
1	Medical Version (M80)	0.08	2 x 10	15	0.47	1	55 g	5500.2099
3	Medical Version (M80)	0.08	2 x 2	15	0.47	1	55 g	5500.2105
6	Medical Version (M80)	0.08	2 x 0.8	15	0.47	1	55 g	5500.2101
10	Medical Version (M80)	0.08	2 x 0.4	15	0.47	1	55 g	5500.2103

Most Popular.

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

Packaging unit 25 Pcs