

Cost optimized 1-stage filter for 1-phase systems

Standard- or Medical-Filter



Description

- Chassis:
Screw-on, from top
- Line filter in standard and medical version, 1-stage, standard attenuation
- Quick connect terminals 6.3 x 0.8 mm
- Especially effective against symmetrical interferences in the frequency range from 10kHz up to 30MHz

Approvals

- VDE License Number: 40004673
- UL License Number: E72928

Characteristics

- Designed for universal industrial applications
- High attenuation at maximum resp. asymmetric load independent from the line impedance
Protection against interference voltage from the mains
Possible interferences generated in the equipment are strongly attenuated
- Special design for industrial application as: Frequency Converters, Stepper Motor Drives, UPS-Systems, Inverters
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

- Version with wire connection

References

[General Product Information](#)

Weblinks

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

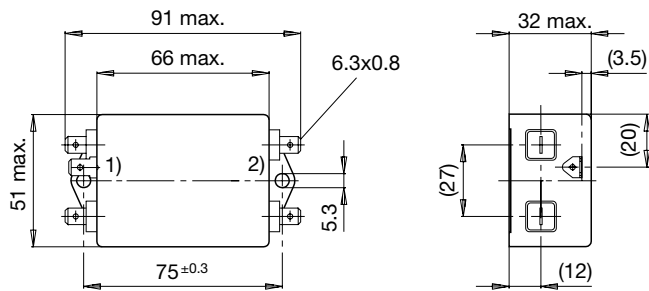
Technical Data

Ratings IEC	6 - 20A @ Ta 40 °C / 250 VAC; Hz 50
Ratings UL/CSA	6 - 20A @ Ta 40 °C / 125 VAC; 60Hz
Leakage Current	standard < 0.35 mA (250V / 60Hz)
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

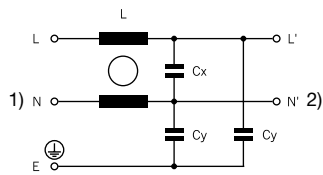
Case 49



- 1) Line
- 2) Load

Diagrams

Standard version



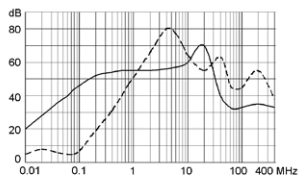
- 1) Line
- 2) Load

Attenuation Loss

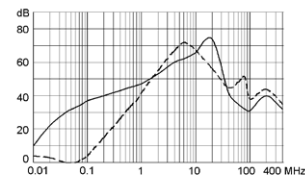
Standard version

--- differential mode ____ common mode

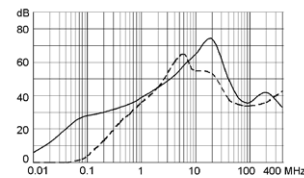
6 A



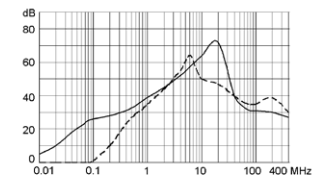
10 A



16 A

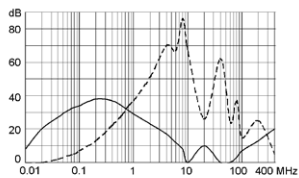


20 A

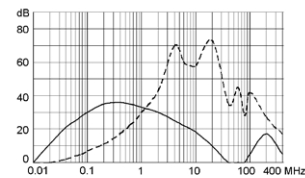


Medical version (M5)

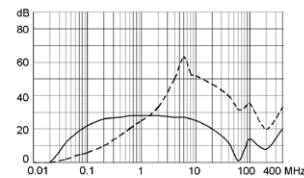
6 A



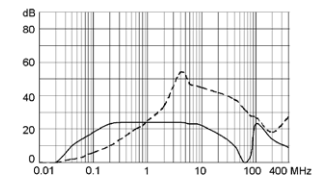
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16 A



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Variants

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Rated Current [A]	Filter-Type	L [mH]	Cx (X2) [μF]	Cy (Y2) [nF]	Weight [g]	Case	Order Number
6	Standard Version	2 x 14	0.1	3.3	212	49	5500.2035
10	Standard Version	2 x 5	0.1	3.3	212	49	5500.2036
16	Standard Version	2 x 2	0.1	3.3	208	49	5500.2037
20	Standard Version	2 x 1.5	0.1	3.3	218	49	5500.2038
6	Medical Version (M5)	2 x 14	0.1	-	212	49	5500.2082
10	Medical Version (M5)	2 x 5	0.1	-	212	49	5500.2083
16	Medical Version (M5)	2 x 2	0.1	-	208	49	5500.2084
20	Medical Version (M5)	2 x 1.5	0.1	-	218	49	5500.2085

Packaging unit 10 Pcs