FMLB-09

AC Filter Cost Optimized

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
- Especially effective against asymmetrical interferences in the frequency range from 10kHz up to 30MHz

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

Characteristics
- Compact design
- High attenuation at maximum resp. asymmetric load independent from the line impedance
- Especially designed for industrial applications such as: Frequency Converters, Stepper Motor Drives, UPS-Systems, Inverters
- Suitable for use in equipment according to IEC/UL 60950
  Suitable for use in medical equipment according to IEC/UL 60601-1

Other versions on request
- Version with wire connection

References
Alternative: Standard version

Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

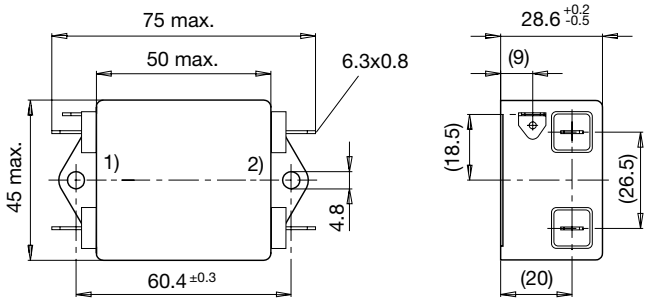
Technical Data

Ratings IEC	6 - 20 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	6 - 20 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.5 mA (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, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 200'000 h acc. to MIL-HB-217 F

Dimension

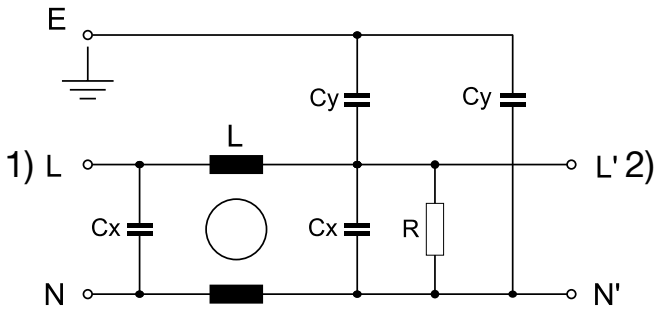
Case 73



1) Line
2) Load

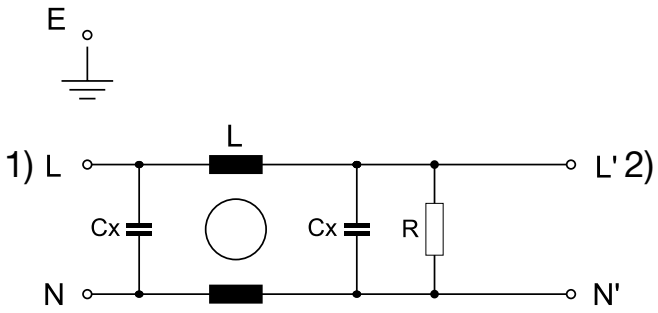
Diagrams

Standard version



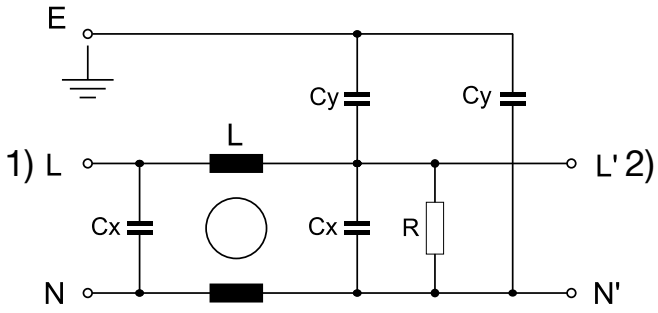
1) Line
2) Load

Medical version (M5)



1) Line
2) Load

Medical version (M80)



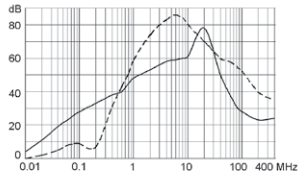
1) Line
2) Load

Attenuation Loss

- - - - differential mode _____ common mode

Standard version

6 A



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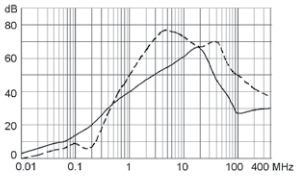

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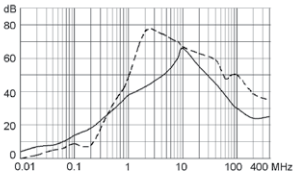

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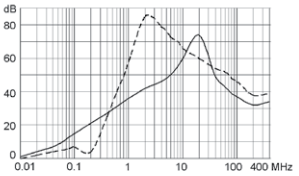

Medical version (M5)

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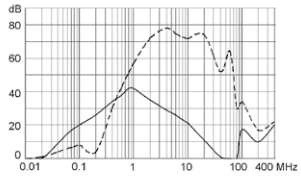

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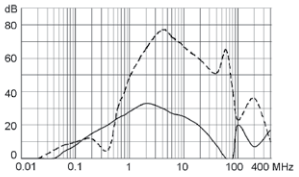

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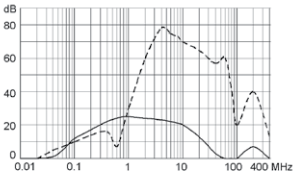

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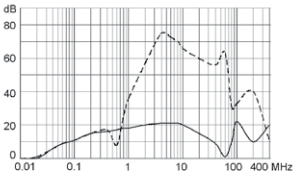

Medical version (M80)

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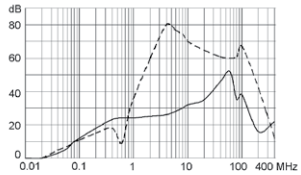

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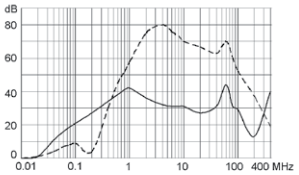

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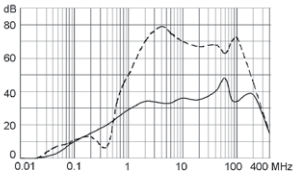

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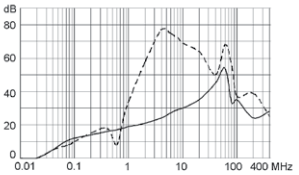

All Variants

Rated Current [A]	Filter-Type	L [mH]	Cx (X2) [µF]	Cy (Y2) [nF]	Weight [g]	Housing	R [MΩ]	Order Number	
6	Standard Version	2 x 1.8	0.1	4.7	116 g	73	1	5500.2031	▮
10	Standard Version	2 x 0.82	0.1	4.7	122 g	73	1	5500.2032	
16	Standard Version	2 x 0.64	0.1	4.7	131 g	73	1	5500.2033	▮
20	Standard Version	2 x 0.5	0.1	4.7	135 g	73	1	5500.2034	▮
6	Medical Version (M5)	2 x 1.8	0.1	-	116 g	73	1	5500.2072	
10	Medical Version (M5)	2 x 0.82	0.1	-	122 g	73	1	5500.2073	
16	Medical Version (M5)	2 x 0.64	0.1	-	131 g	73	1	5500.2074	
20	Medical Version (M5)	2 x 0.5	0.1	-	160 g	73	1	5500.2076	
6	Medical Version (M80)	2 x 1.8	0.1	0.47	116 g	73	1	5500.2086	
10	Medical Version (M80)	2 x 0.82	0.1	0.47	122 g	73	1	5500.2087	
16	Medical Version (M80)	2 x 0.64	0.1	0.47	132.4 g	73	1	5500.2075	
20	Medical Version (M80)	2 x 0.5	0.1	0.47	160 g	73	1	5500.2088	

▮ Most Popular.

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

Packaging unit 10 Pcs

05.05.2015

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