FMW-41

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
- 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, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

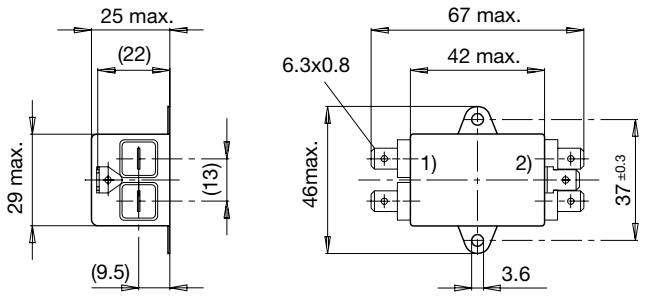
Technical Data

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, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 200'000 h acc. to MIL-HB-217 F

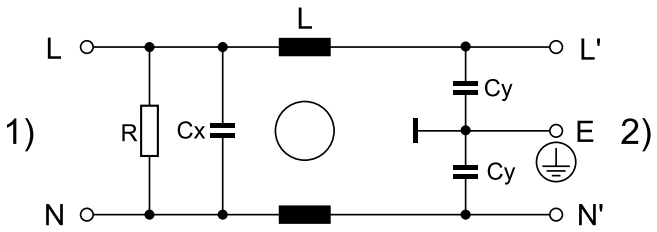
Dimension

Case 41



1) Line
2) Load

Diagrams



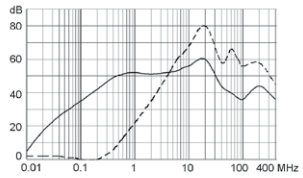
R and Cy according to version, see variants
1) Line, 2) Load

Attenuation Loss

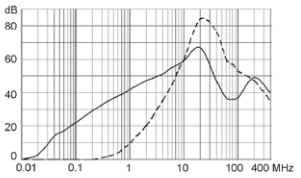
- - - - differential mode _____ common mode

Standard version

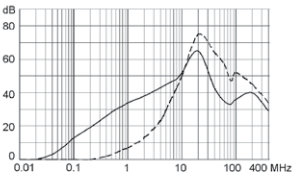
1 A



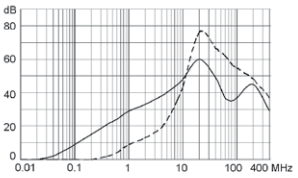
3 A



6 A

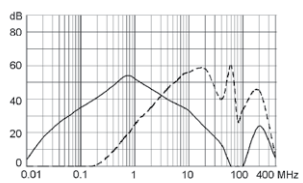


10 A

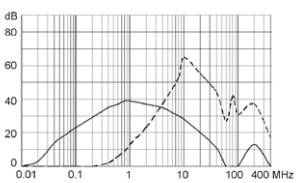


Medical version (M5)

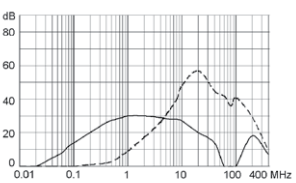
1 A



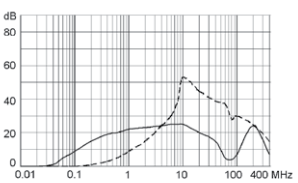
3 A



6 A

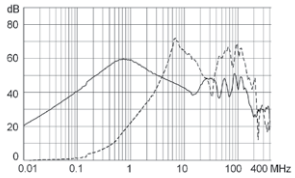


10 A

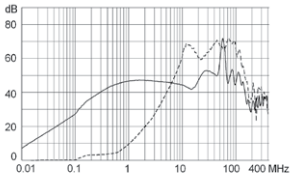


Medical version (M80)

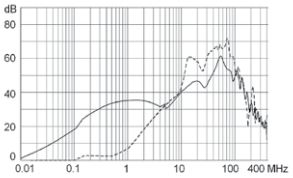
1 A



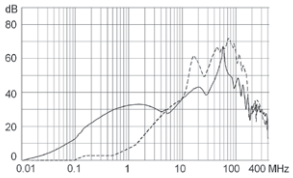
3 A



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

04.03.2015

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