# FMLB-41

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

## 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
- 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 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

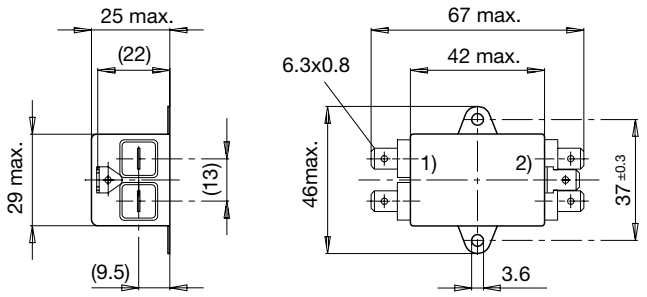
## Technical Data

| | |
|---|---|
| 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) |
| Dielectric Strength | 1.7 kVDC between L-N<br>2.7 kVDC between L/N-PE<br>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<br>Technical Details |
| MTBF | > 200'000 h acc. to MIL-HB-217 F |

## Dimension

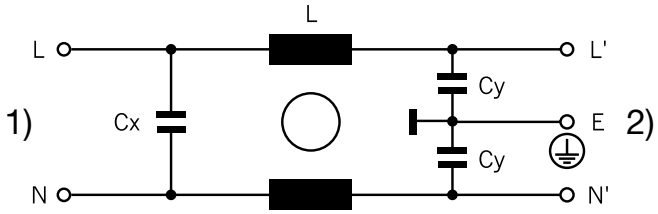
Case 41




1) Line
2) Load

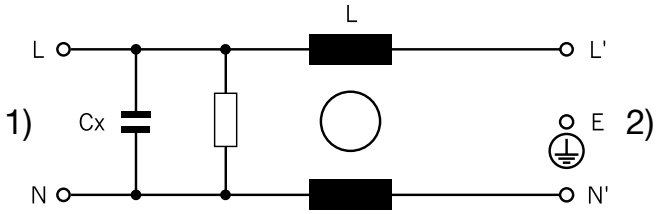
## Diagrams

Standard version



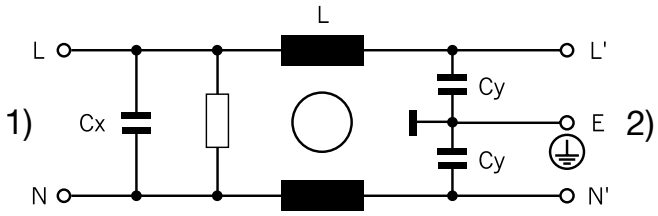

1) Line
2) Load

Medical version (M5)




1) Line
2) Load

Medical version (M80)



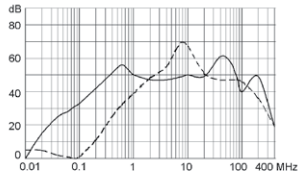

1) Line
2) Load

## Attenuation Loss

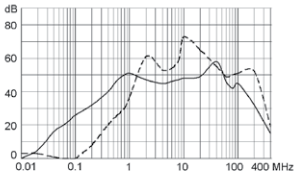
- - - - differential mode _____ common mode

Standard version

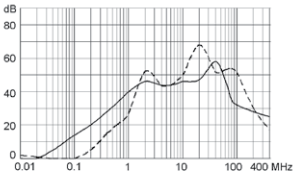
1 A



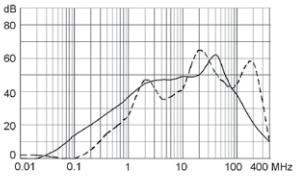

2 A



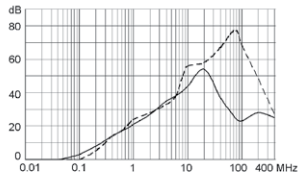

4 A




6 A

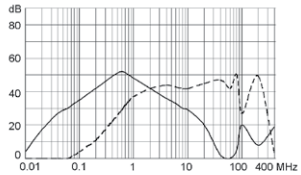



10 A

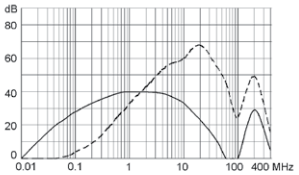



Medical version (M5)

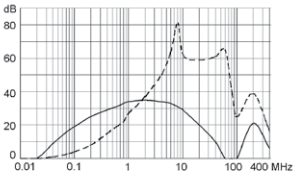
1 A



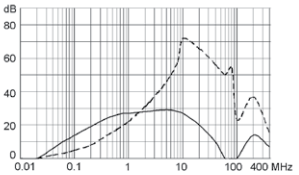

2 A



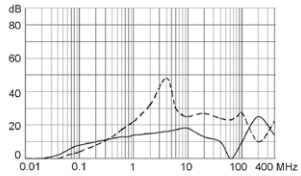

4 A




6 A

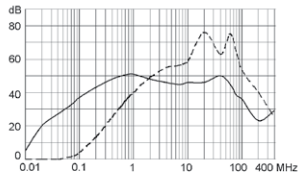



10 A

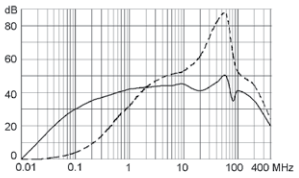



Medical version (M80)

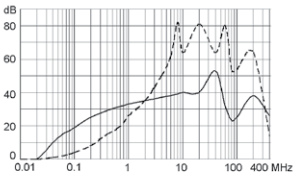
1 A



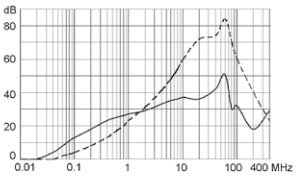

2 A



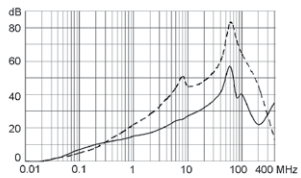

4 A




6 A




10 A



## All Variants

| Rated Current [A] | Filter-Type | Leakage Current [mA] | L [mH] | Cx (X2) [nF] | Cy (Y2) [nF] | Weight [g] | Housing | Order Number | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Standard Version | 0.25 | 2 x 10 | 68 | 2.2 | 50 g | 41 | 5500.2026 | ▮ |
| 2 | Standard Version | 0.25 | 2 x 4 | 68 | 2.2 | 50 g | 41 | 5500.2027 | ▮ |
| 4 | Standard Version | 0.25 | 2 x 1.5 | 68 | 2.2 | 50 g | 41 | 5500.2028 | ▮ |
| 6 | Standard Version | 0.25 | 2 x 0.8 | 68 | 2.2 | 65 g | 41 | 5500.2029 | ▮ |
| 10 | Standard Version | 0.25 | 2 x 0.3 | 68 | 2.2 | 65 g | 41 | 5500.2030 | ▮ |
| 1 | Medical Version (M5) | 0.005 | 2 x 10 | 68 | - | 50 g | 41 | 5500.2077 | |
| 2 | Medical Version (M5) | 0.005 | 2 x 4 | 68 | - | 50 g | 41 | 5500.2078 | ▮ |
| 4 | Medical Version (M5) | 0.005 | 2 x 1.5 | 68 | - | 50 g | 41 | 5500.2079 | |
| 6 | Medical Version (M5) | 0.005 | 2 x 0.8 | 68 | - | 65 g | 41 | 5500.2080 | |
| 10 | Medical Version (M5) | 0.005 | 2 x 0.3 | 68 | - | 65 g | 41 | 5500.2081 | |
| 1 | Medical Version (M80) | 0.08 | 2 x 10 | 68 | 0.47 | 50 g | 41 | 5500.2089 | |
| 2 | Medical Version (M80) | 0.08 | 2 x 4 | 68 | 0.47 | 50 g | 41 | 5500.2090 | |
| 4 | Medical Version (M80) | 0.08 | 2 x 1.5 | 68 | 0.47 | 50 g | 41 | 5500.2091 | |
| 6 | Medical Version (M80) | 0.08 | 2 x 0.8 | 68 | 0.47 | 65 g | 41 | 5500.2092 | |
| 10 | Medical Version (M80) | 0.08 | 2 x 0.3 | 68 | 0.47 | 65 g | 41 | 5500.2093 | |

▮ 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

05.05.2015



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