

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

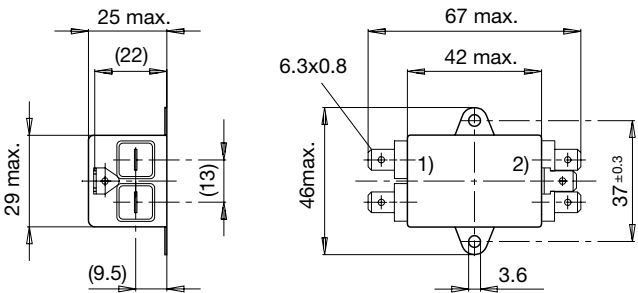
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

### 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)<br>medical (M5) < 5 µA resp. (M80) < 80 µA (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                                                                                      |

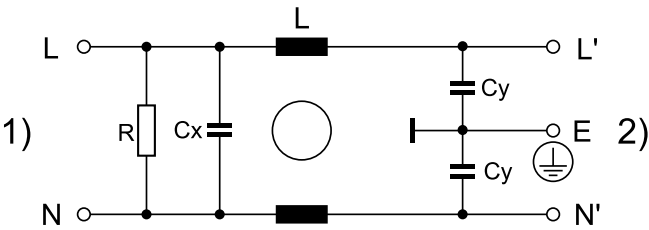
|             |                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------|
| Line Filter | Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8<br><a href="#">Technical Details</a> |
| MTBF        | > 200'000 h acc. to MIL-HB-217 F                                                                       |

Dimension  
Case 41



- 1) Line
- 2) Load

Diagrams

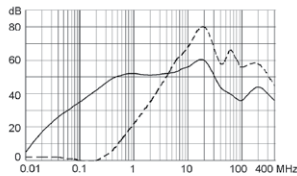


R and Cy according to version, see variants  
1) Line, 2) Load

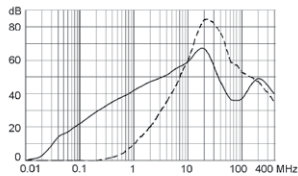
Attenuation Loss

--- differential mode    — common mode

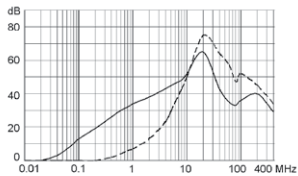
Standard version  
1 A



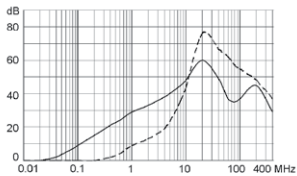
3 A



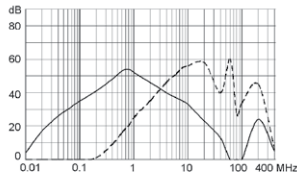
6 A



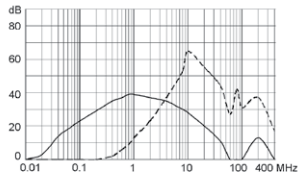
10 A



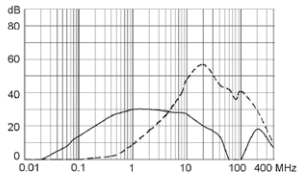
Medical version (M5)  
1 A



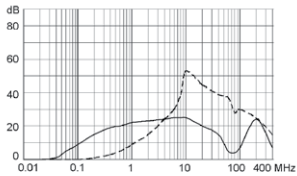
3 A



6 A

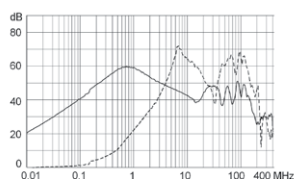


10 A

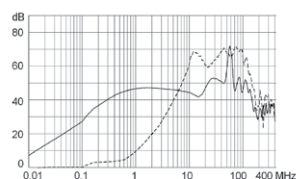


Medical version (M80)

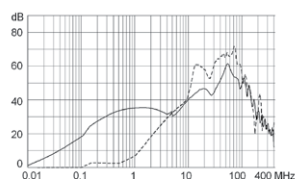
1 A



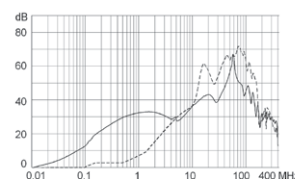
3 A



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