

DC-Filter, single pole



### Description

- Line-filter in standard version
- 1-stage
- standard attenuation

### Approvals

- Approval Reference Type: FMEB
- VDE Certificate Number: 40021953
- UL File Number: E72928

### Characteristics

- Optimized for DC supplied applications
- Suitable for use in equipment according to IEC/UL 60950

### Other versions on request

- Other terminal combinations
- 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](#), [Distributor-Stock-Check](#), [Detailed request for product](#), [Microsite](#)

### Technical Data

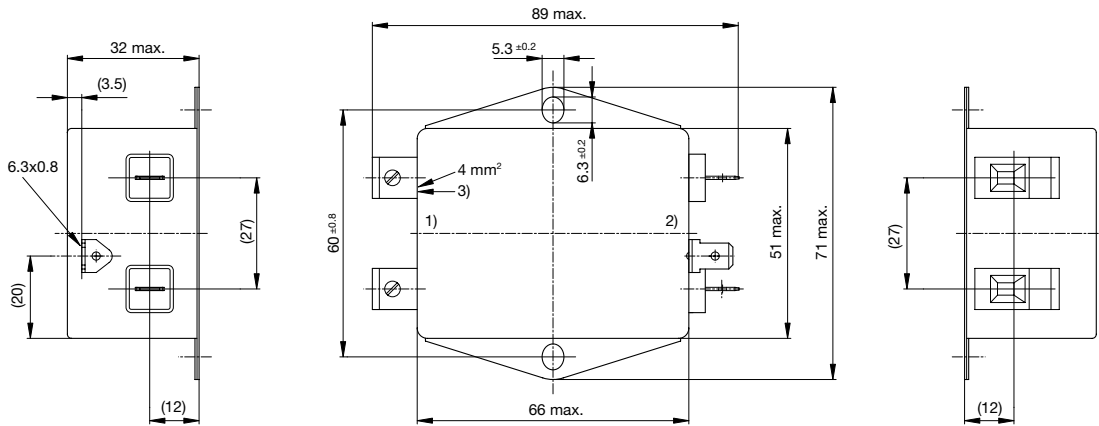
|                                 |   |
|---------------------------------|---|
| Ratings IEC                     | 5 - 30A @ Ta 40 °C / 43/80VDC   |
| Ratings UL/CSA                  | 5 - 30A @ Ta 40 °C / 43/80VDC   |
| Dielectric Strength             | > 1.7 kVDC between Vss-GND<br>> 2.7 kVDC between Vss/GND-PE<br>Test voltage (2 sec) |
| Allowable Operation Temperature | -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 and screw terminals   |
| Material: Housing               | Aluminum, UL 94V-0  |

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

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

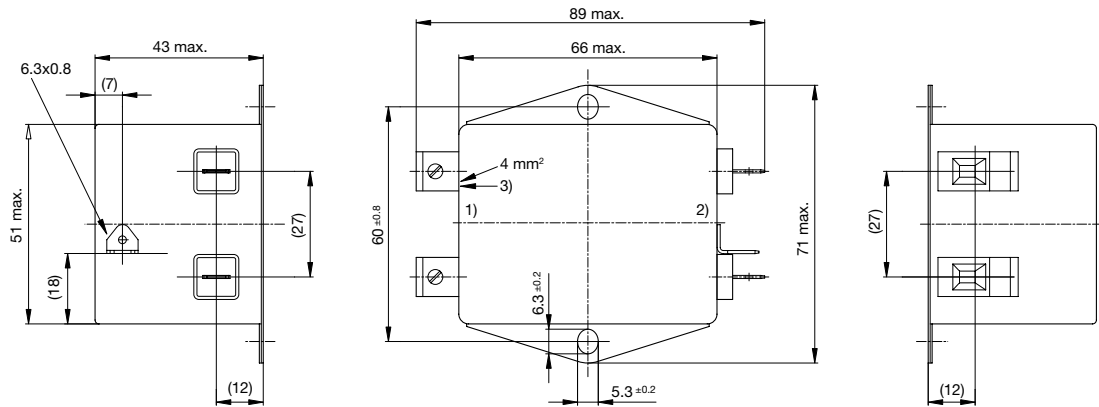
**Dimension**

Case 85-2



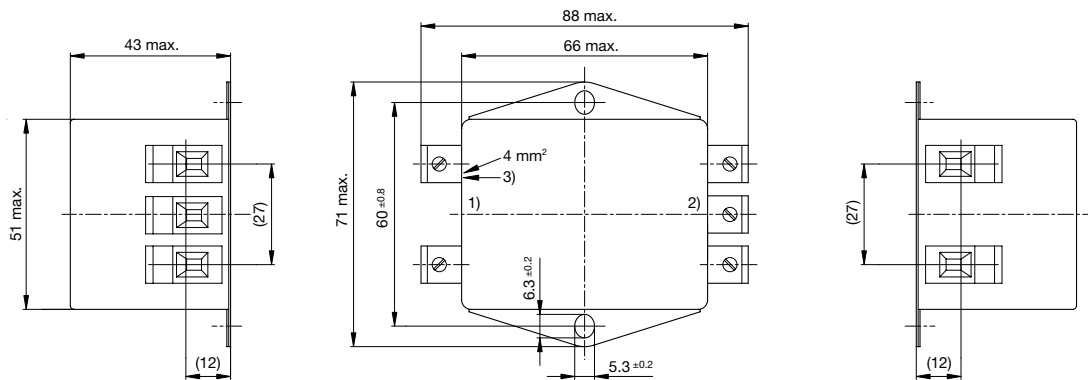
- 1) Line
- 2) Load
- 3) I/O connections torque 0.6...0.8 Nm

Case 86-2



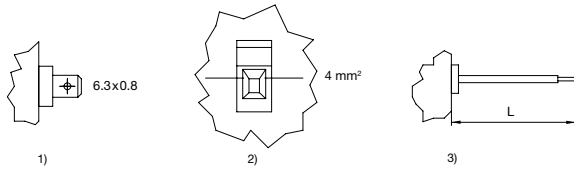
- 1) Line
- 2) Load
- 3) I/O connections torque 0.6...0.8 Nm

Case 86-6



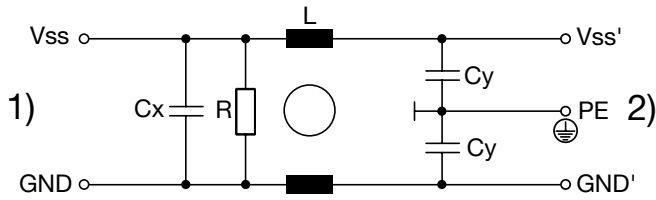
- 1) Line
- 2) Load
- 3) I/O connections torque 0.6...0.8 Nm

Terminal options



- 1) Quick connect terminals 6.3x0.8 (only up to 24A)
- 2) Screw clamp 4mm<sup>2</sup>
- 3) Flexible wires

Diagrams



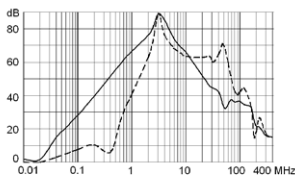
- 1) Line
- 2) Load

Attenuation Loss

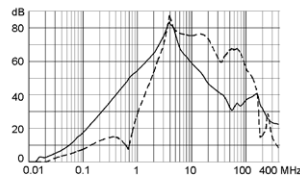
--- 50Ω differential mode    \_\_\_\_ 50Ω common mode

Standard version

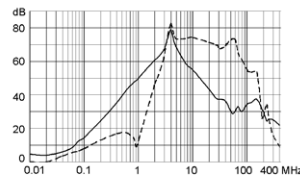
5 A



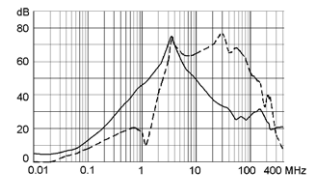
10 A



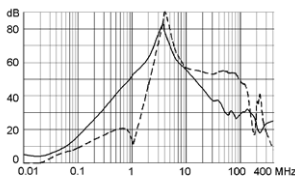
15 A



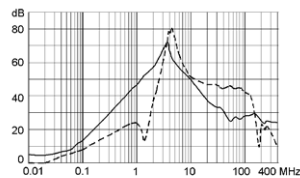
20 A



24 A



30 A



All Variants

| Rated Current [A] | L [mH]   | Cx (X2) [nF] | Cy (Y2) [nF] | R [MΩ] | Weight [g] | Housings | Packaging unit | Order Number |
|-------------------|----------|--------------|--------------|--------|------------|----------|----------------|--------------|
| 5                 | 2 x 0.75 | 100          | 100          | 1      | 175 g      | 85-2     | 10             | 5500.2223    |
| 10                | 2 x 0.2  | 100          | 100          | 1      | 175 g      | 85-2     | 10             | 5500.2224    |
| 15                | 2 x 0.1  | 100          | 100          | 1      | 175 g      | 85-2     | 10             | 5500.2225    |
| 20                | 2 x 0.07 | 100          | 100          | 1      | 175 g      | 85-2     | 10             | 5500.2226    |
| 24                | 2 x 0.14 | 100          | 100          | 1      | 255 g      | 86-2     | 10             | 5500.2227    |
| 30                | 2 x 0.08 | 100          | 100          | 1      | 265 g      | 86-6     | 10             | 5500.2228    |

| Rated Current [A] | L [mH] | Cx (X2) [nF] | Cy (Y2) [nF] | R [MΩ] | Weight [g] | Housings | Packaging unit | Order Number |
|-------------------|--------|--------------|--------------|--------|------------|----------|----------------|--------------|
|-------------------|--------|--------------|--------------|--------|------------|----------|----------------|--------------|

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