

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

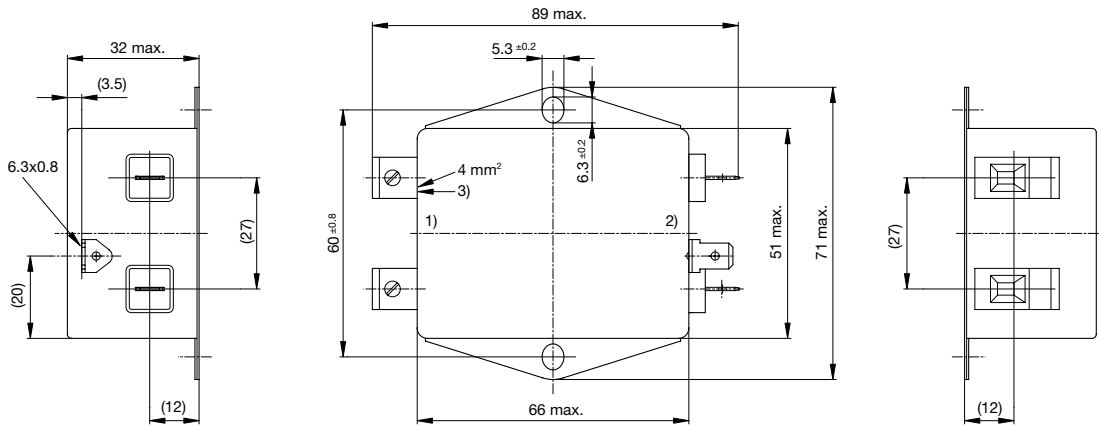
| | |
|---------------------------------|---|
| Ratings IEC | 5 - 30A @ Ta 40 °C / 43/80VDC |
| Ratings UL/CSA | 5 - 30A @ Ta 40 °C / 43/80VDC |
| Dielectric Strength | > 1.7 kVDC between Vss-GND > 2.7 kVDC between Vss/GND-PE Test voltage (2 sec) |
| Allowable Operation Temperature | -25 °C to 100 °C |
| 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 Technical Details |
| 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](#)

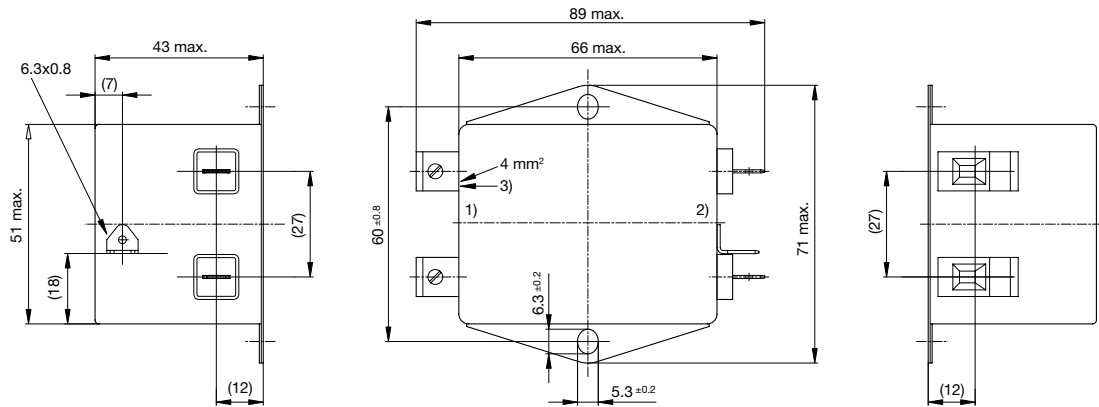
Dimension

Case 85-2



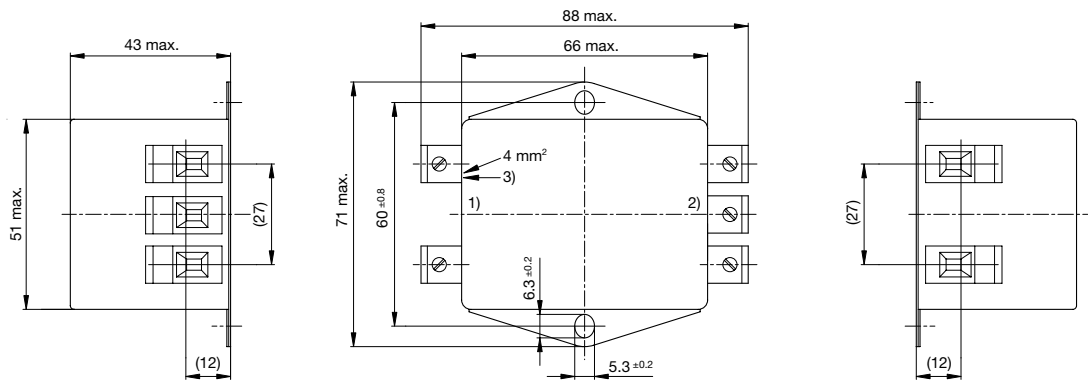
- 1) Line
- 2) Load
- 3) I/O connections torque 0.6...0.8 Nm

Case 86-2



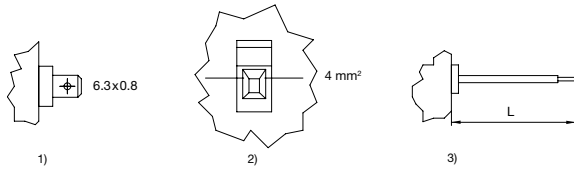
- 1) Line
- 2) Load
- 3) I/O connections torque 0.6...0.8 Nm

Case 86-6



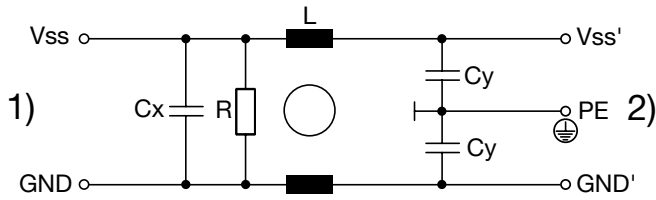
- 1) Line
- 2) Load
- 3) I/O connections torque 0.6...0.8 Nm

Terminal options



- 1) Quick connect terminals 6.3x0.8 (only up to 24A)
- 2) Screw clamp 4mm²
- 3) Flexible wires

Diagrams



- 1) Line
- 2) Load

Attenuation Loss

--- 50Ω differential mode ____ 50Ω common mode

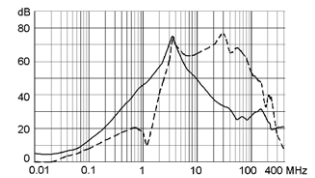
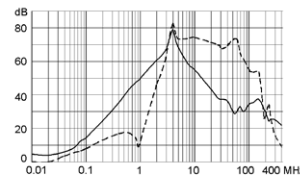
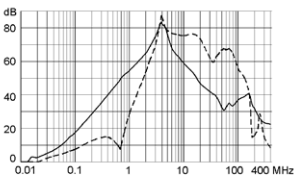
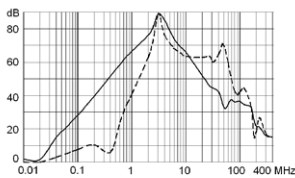
Standard version

5 A

10 A

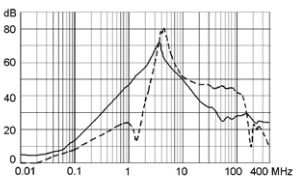
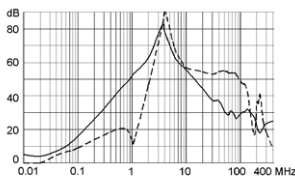
15 A

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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