DC-Filter, single pole



Description
- Chassis:
  Screw-on mounting, from top
- Line-filter in standard version, 1-stage, standard attenuation
- Effective against symmetrical and asymmetrical interferences in the frequency range from 100kHz up to 30MHz

Approvals
- 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

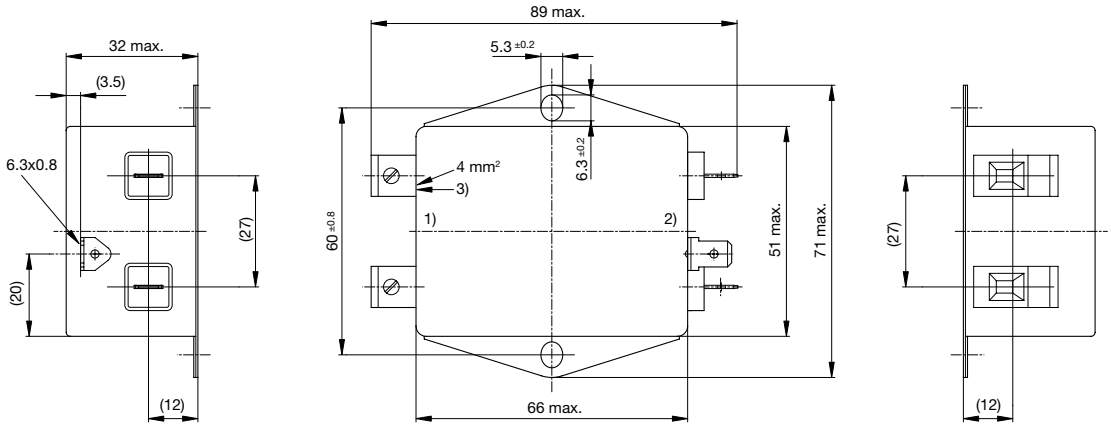
Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

Technical Data

Ratings IEC	5 - 30 A @ Ta 40 °C / 43/80 VDC
Ratings UL/CSA	5 - 30 A @ Ta 40 °C / 43/80 VDC
Dielectric Strength	> 1.7 kVDC between Vss-GND > 2.7 kVDC between Vss/GND-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 and screw terminals
Material: Housing	Aluminum, UL 94V-0

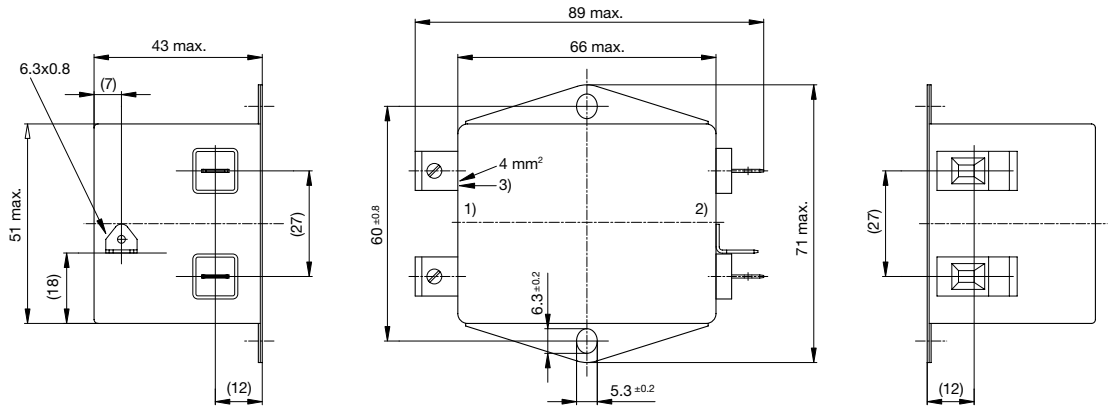
Line Filter	Industrial Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 200'000 h acc. to MIL-HB-217 F

Dimension
Case 85-2



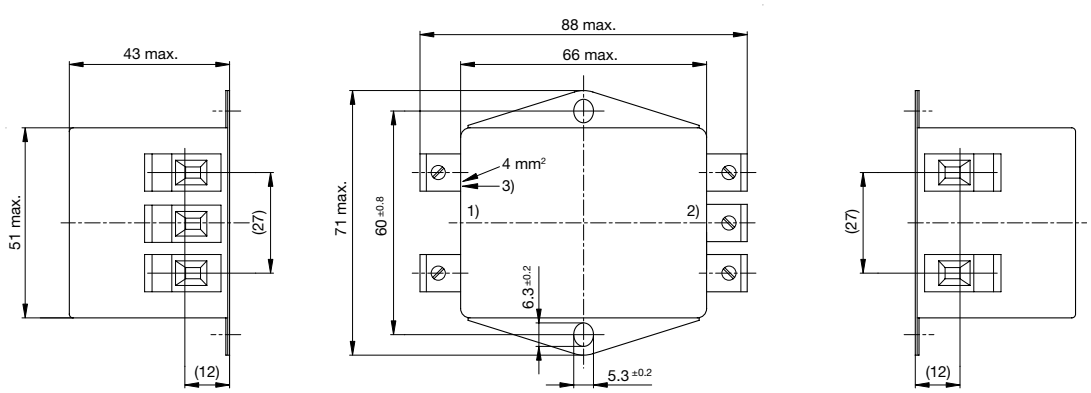
1) Line
2) Load
3) I/O connections torque 0.6...0.8 Nm

Case 86-2



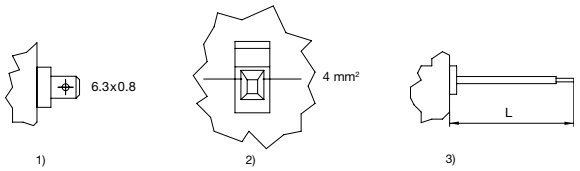
1) Line
2) Load
3) I/O connections torque 0.6...0.8 Nm

Case 86-6



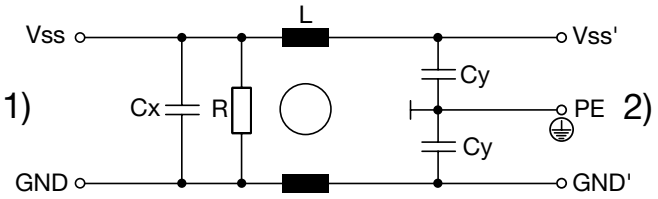
1) Line
2) Load
3) I/O connections torque 0.6...0.8 Nm

Terminal options



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

Diagrams



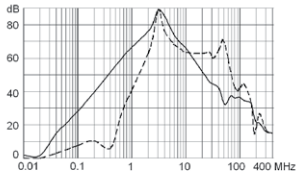
1) Line
2) Load

Attenuation Loss

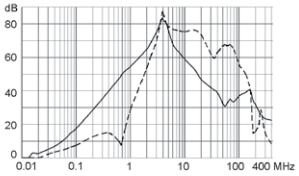
- - - - differential mode _____ common mode

Standard version

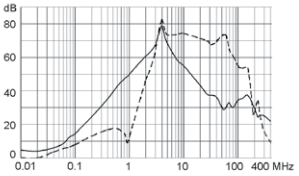
5 A



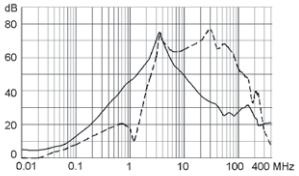
10 A



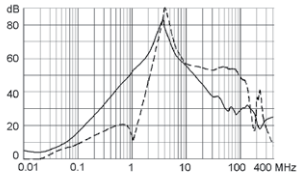
15 A



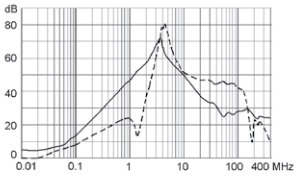
20 A



24 A



30 A



All Variants

Rated Current [A]	L [mH]	Cx (X2) [nF]	Cy (Y2) [nF]	R [MΩ]	Weight [g]	Housing	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

Availability for all products can be searched real-time:http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

04.03.2015

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.