



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DC-Filter, single pole



Approvals and Compliances

Description

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

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](#), [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 |



Approvals and Compliances

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

Approvals








The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: FMEB

| Approval Logo | Certificates | Certification Body | Description |
|---|-------------------------------|--------------------|------------------------------|
|  | VDE Approvals | VDE | Certificate Number: 40021953 |
|  | UL Approvals | UL | UL File Number: E72928 |


Product standards

Product standards that are referenced

| Organization | Design | Standard | Description |
|--|-----------------------|------------------|---|
|  | Designed according to | IEC 60320-1 | Appliance couplers for household and similar general purposes |
|  | Designed according to | IEC 60939 | Passive filters for suppressing electromagnetic interference |
|  | Designed according to | IEC 60127-6 | Miniature fuses. Part 6. Fuse-holders for miniature fuse-links |
|  | Designed according to | UL 498 | Standard for Attachment Plugs and Receptacles |
|  | Designed according to | UL 1283 | Electromagnetic interference filters |
|  | Designed according to | CSA C22.2 no. 42 | General Use Receptacles, Attachment Plugs, and Similar Wiring Devices |
|  | Designed according to | CSA C22.2 no. 8 | Electromagnetic interference (EMI) filters |





Application standards

Application standards where the product can be used

| Organization | Design | Standard | Description |
|--|--------------------------------|--------------|---|
|  | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |

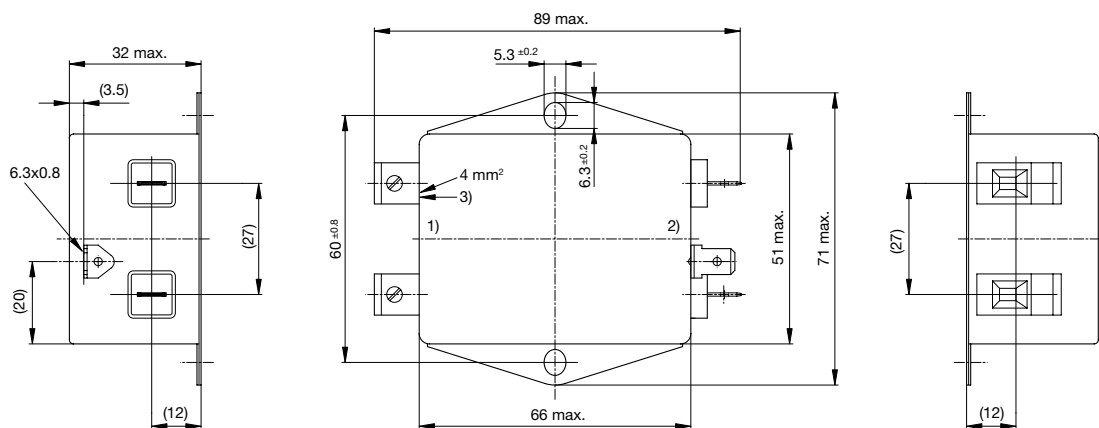
Compliances

The product complies with following Guide Lines

| Identification | Details | Initiator | Description |
|--|------------------------------|-------------|---|
|  | CE declaration of conformity | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
|  | RoHS | SCHURTER AG | EU Directive RoHS 2011/65/EU |
|  | China RoHS | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS. |
|  | REACH | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |

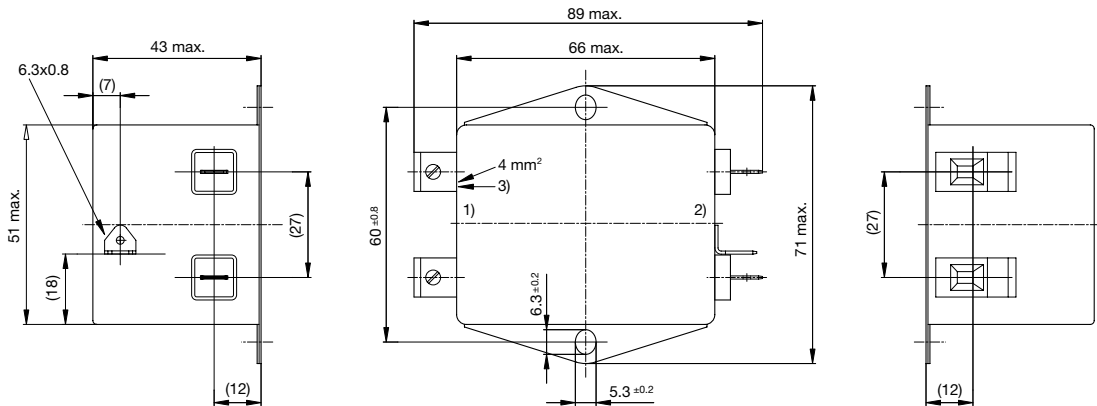
Dimension [mm]

Case 85-2



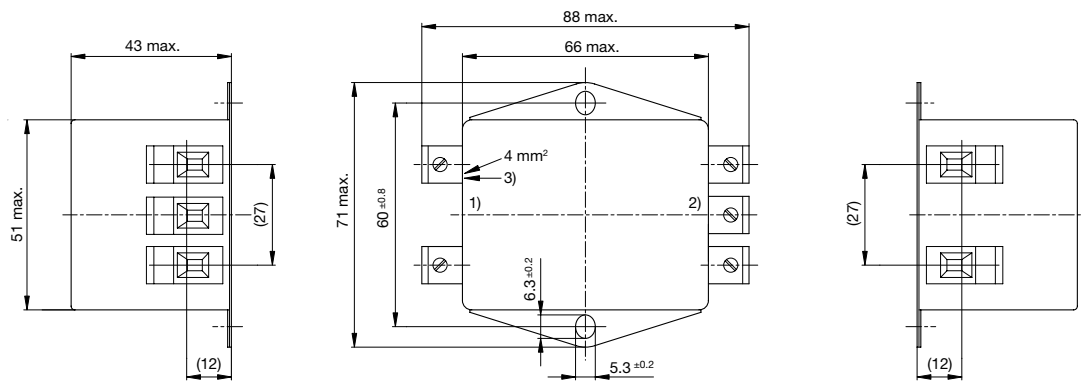
- 1) Line
- 2) Load
- 3) I/O connections torque 0.6...0.8 Nm

Case 86-2



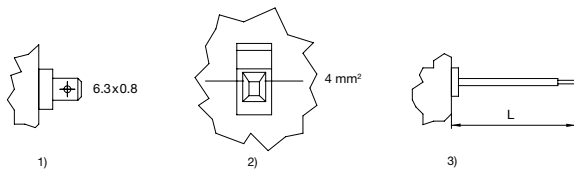
- 1) Line
- 2) Load
- 3) I/O connections torque 0.6...0.8 Nm

Case 86-6



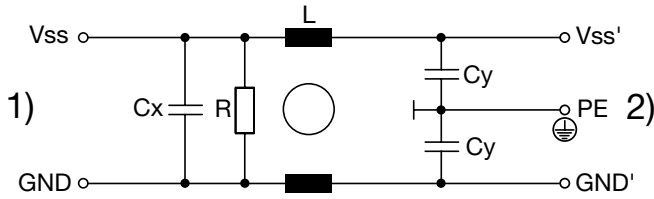
- 1) Line
- 2) Load
- 3) I/O connections torque 0.6...0.8 Nm

Terminal options



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

Diagrams

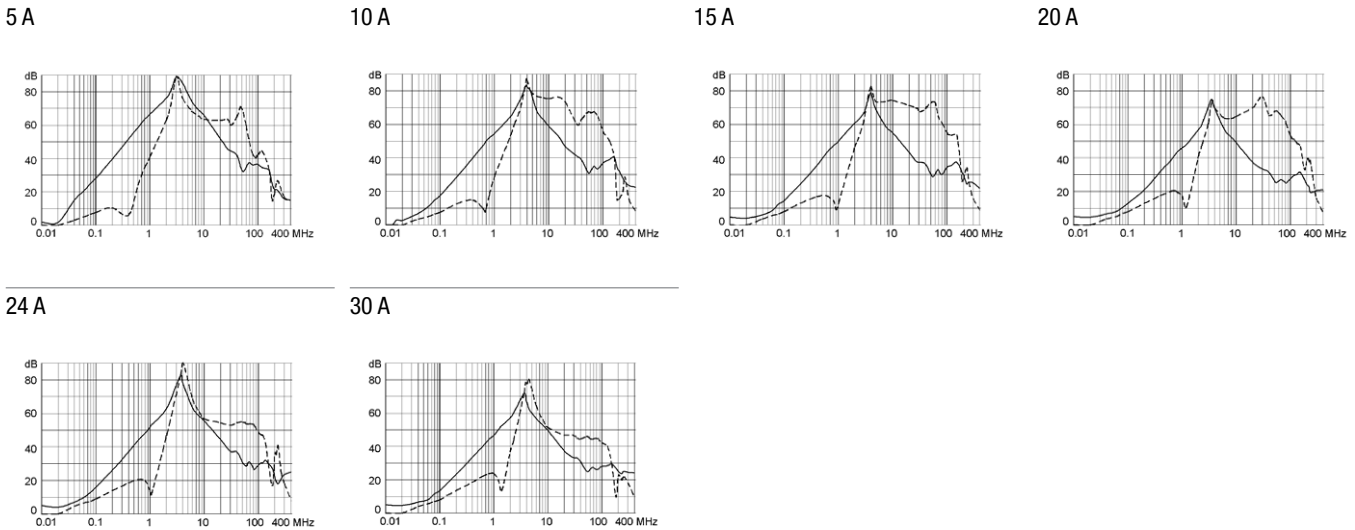


1) Line
 2) Load

Attenuation Loss

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

Standard version



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 |

Most Popular.

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