

AC Filter 2-Stage, Broad Band Attenuation



Description

- Line-filter in standard version
- 2 positions
- very high attenuation

Approvals

- Approval Reference Type: FMBB
- VDE Certificate Number: 40004673
- UL File Number: E72928

Characteristics

- Designed for high current applications
- Protection against interference voltage from the mains
Possible interferences generated in the equipment are strongly attenuated
- Especially designed for industrial applications such as: Frequency Converters, Stepper Motor Drives, UPS-Systems, Inverters
- Suitable for use in equipment according to IEC/UL 60950

Other versions on request

- 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

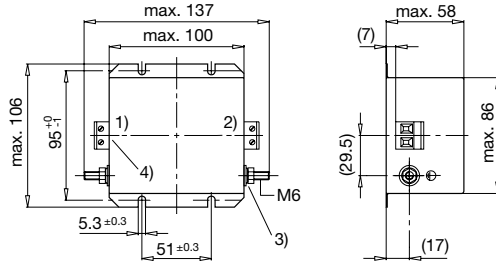
Ratings IEC	8 - 25 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	8 - 25 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	industrial < 3.5 mA (V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temperature	-25 °C to 100 °C
Climatic Category	25/100/21 acc. to IEC 60068-1
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Screw
Material: Housing	Metal

Line Filter	Standard and 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](#)

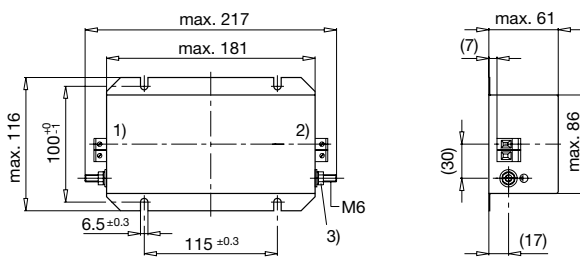
Dimension

Case 24-2



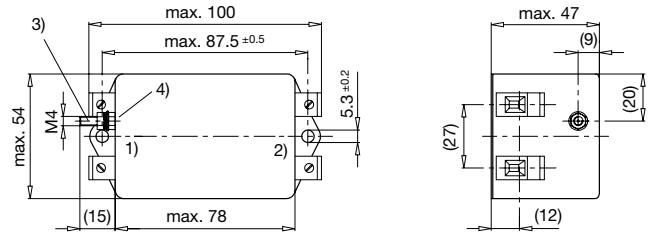
- 1) Line
- 2) Load
- 3) Nut torque 3...4 Nm
- 4) I/O Connections torque 0.6...0.8

Case 31-2



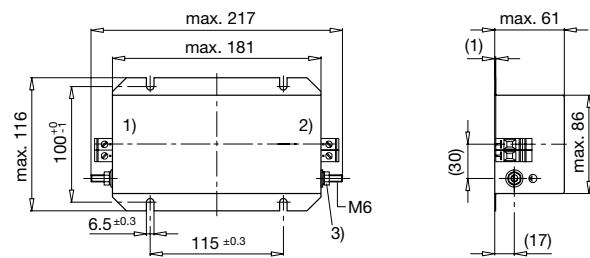
- 1) Line
- 2) Load
- 3) Nut torque 3...4 Nm

Case 16-2



- 1) Line
- 2) Load
- 3) Nut torque 3...4 Nm
- 4) Do not unscrew lock-nut

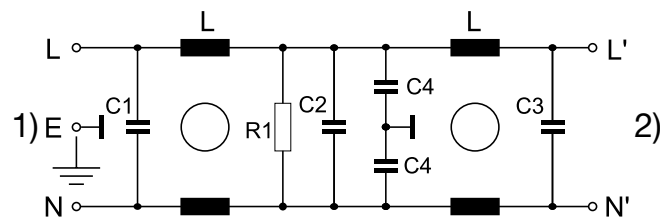
Case 31-6



- 1) Line
- 2) Load
- 3) Nut torque 3...4 Nm

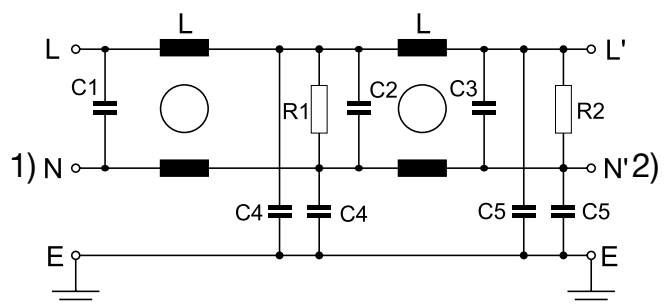
Diagrams

S1 standard version



- 1) Line
- 2) Load

S2 standard version

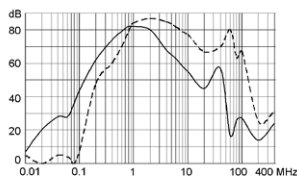


- 1) Line
- 2) Load

Attenuation Loss

Standard version

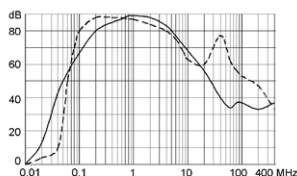
8 A



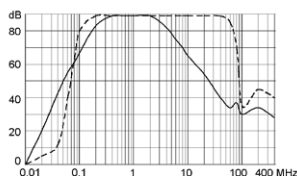
--- 50Ω differential mode 50Ω common mode

Industrial version

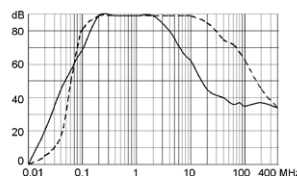
12 A



16 A



25 A



All Variants

Rated Current [A]	Filter-Type	Leakage Cur- rent [mA]	L [mH]	C1 (X2) [μF]	C2 (X2) [μF]	C3 (X2) [μF]	C4 (Y2) [nF]	C5 (Y2) [nF]	R1, R2 [MΩ]	Dia- gram	Clamps [mm ²]	Weight [g]	Hou- sings	Order Number
8	Standard Version	0.25	2 x 7	0.1	0.15	0.47	2.2	-	1	S1	4	410 g	16-2	5500.2068
12	Industrial Version	3.5	2 x 5	2.2	2.2	2.2	33	2.2	0.5	S2	4	1000 g	24-2	5500.2069
16	Industrial Version	3.5	2 x 3.5	2.2	2.2	2.2	33	2.2	0.5	S2	4	2400 g	31-2	5500.2070
25	Industrial Version	3.5	2 x 3.5	2.2	2.2	2.2	33	2.2	0.5	S2	6	2500 g	31-6	5500.2071

Most Popular.

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

Packaging unit

5 Pcs