AC Filter 2-Stage, Broad Band Attenuation



Description
- Chassis:
  Screw-on mounting, from top
- Line-filter in standard version, 2 positions, very high attenuation
- High symmetrical and asymmetrical attenuation in the frequency range from 10kHz up to 30MHz

Approvals
- 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
- Qualified for use in equipment according IEC/EN 60950

Other versions on request
- Version with wire connection

References

Weblinks
pdf, html, General Product Information, Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories

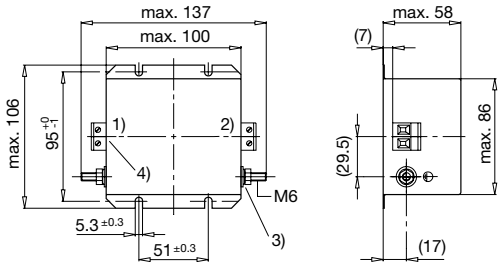
Technical Data

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 Temp.	-25 °C to 100 °C
Climatic Category	25/100/21 acc. to IEC 60068-1
Protection Class	Suitable for appliances with protection class 1 acc. to IEC 61140
Terminal	Screw
Material: Housing	Metal

Line Filter	Standard and Industrial Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical details
MTBF	> 200'000 h acc. to MIL-HB-217 F

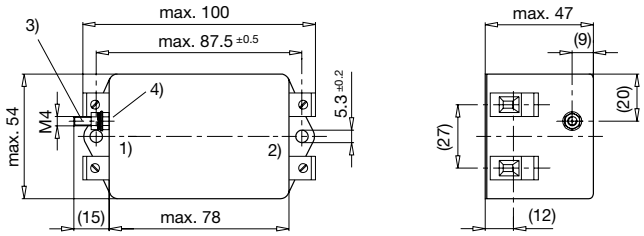
Dimensions

Case 24-2



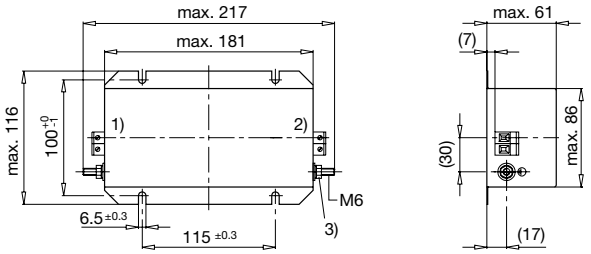
1) Line
2) Load
3) Nut torque 3...4 Nm
4) I/O Connections torque 0.6...0.8

Case 16-2



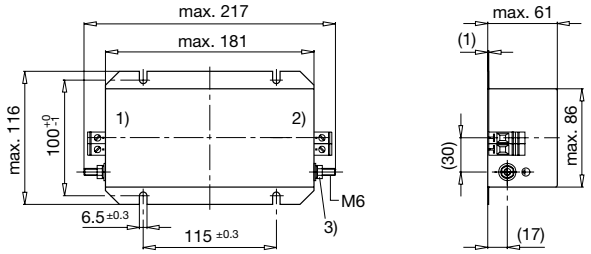
1) Line
2) Load
3) Nut torque 3...4 Nm
4) Do not unscrew lock-nut

Case 31-2



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

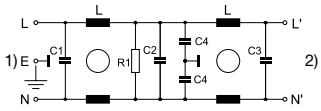
Case 31-6



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

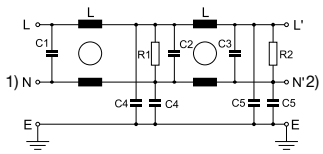
Diagrams

S1 standard version



1) Line
2) Load

S2 standard version

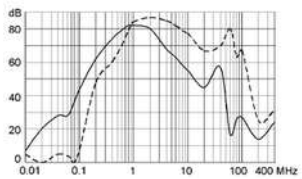


1) Line
2) Load

Attenuation Loss

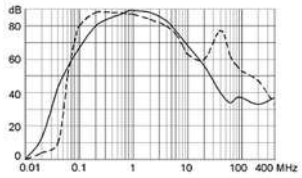
- - - - differential mode _____ common mode

Standard version
8 A

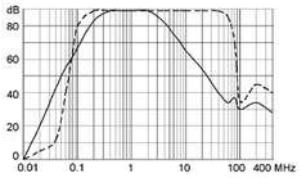


Industrial Version

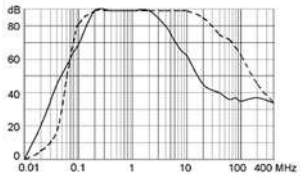
12 A



16 A



25 A



Variants

Rated Current [A]	Filter-Type	Leakage Current [mA]	L [mH]	C1 (X2) [µF]	C2 (X2) [µF]	C3 (X2) [µF]	C4 (Y2) [nF]	C5 (Y2) [nF]	R1, R2 [MΩ]	Diagram	Clamps [mm²]	Weight [g]	Housing	Order Number
8	Standard Version	0.25	2 x 7	0.1	0.15	0.47	2.2	-	1	S1	4	-	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	-	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	-	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	-	31-6	5500.2071

Packaging unit 5 Pcs

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.