

AC Filter, Broad Band Attenuation



Description

- Chassis:
Screw-on mounting, from top
- Line-filter in standard version, 1-stage, 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
- High attenuation at maximum resp. asymmetric load independent from the line impedance
- 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

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](#)

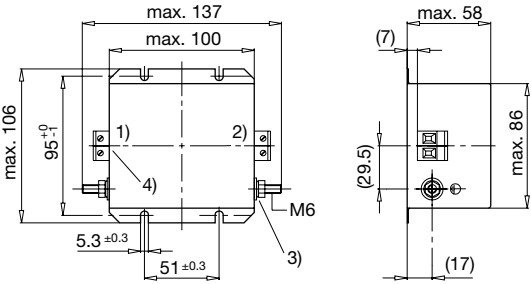
Technical Data

Ratings IEC	12 - 50 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	12 - 50 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	industrial < 5.2 mA (250 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 I acc. to IEC 61140
Terminal	Screw
Material: Housing	Metal

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

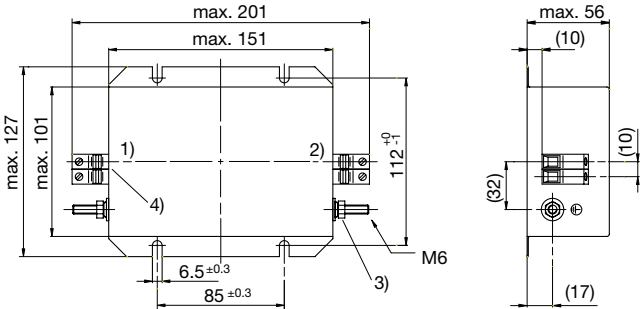
Dimension

Case 24-2



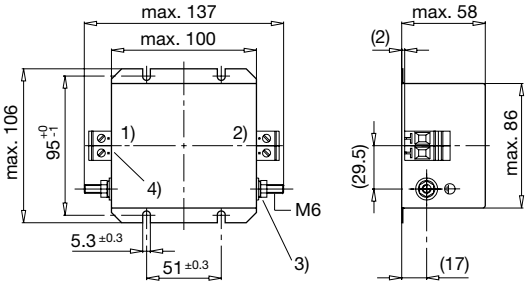
- 1) Line
- 2) Load
- 3) Nut torque 3...4 Nm
- 4) I/O Connections torque 0.6...0.8

Case 79-2



- 1) Line
- 2) Load
- 3) Nut torque 3...4 Nm
- 4) I/O Connections torque 1.5...1.8

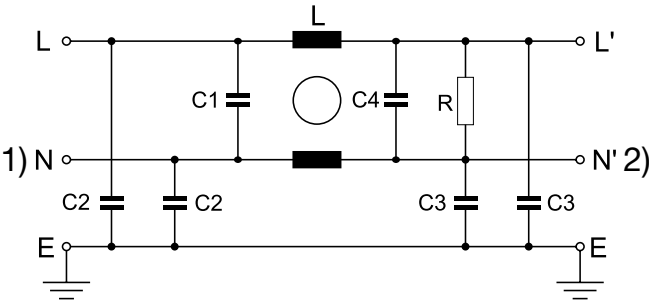
Case 24-6



- 1) Line
- 2) Load
- 3) Nut torque 3...4 Nm
- 4) I/O Connections torque 1.5...1.8

Diagrams

Standard version



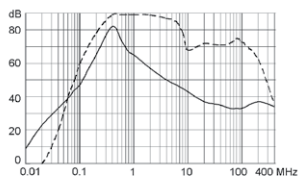
- 1) Line
- 2) Load

Attenuation Loss

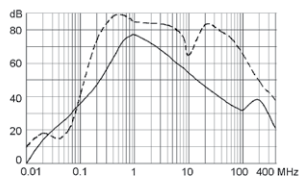
Industrial version

--- differential mode — common mode

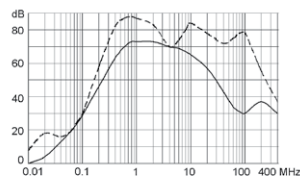
12 A



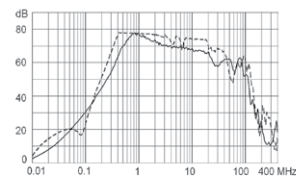
20 A



30 A



50 A



All Variants

Rated Current [A]	Filter-Type	Leakage Current [mA]	L [mH]	C1 (X2)	C2 (Y2) [nF]	C3 (Y2)	C4 (X2)	R [MΩ]	Clamps [mm ²]	Weight [g]	Housing	Order Number
12	Industrial Version	5.2	2 x 10	2.2	10	47	1	1	4	927 g	24-2	5500.2064
20	Industrial Version	5.2	2 x 3.5	2.2	10	47	1	1	4	930 g	24-2	5500.2065
30	Industrial Version	5.6	2 x 1.5	2.2	15	47	1	1	6	970 g	24-6	5500.2066
50	Industrial Version	5.6	2 x 1.5	2.2	15	47	1	1	10	970 g	79-2	5500.2067

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Packaging unit

2 Pcs

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Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com