

AC Filter 2-Stage, Very High Symmetrical Attenuation

**Description**

- Chassis:
Screw-on mounting, from top
- Line-filter in standard version, 2 positions, very high attenuation, broad-band
- Quick connect terminals 6.3 x 0.8 mm or screw terminals
- Especially effective against symmetrical interferences in the frequency range from 10kHz up to 30MHz

Approvals

- VDE Certificate Number: 40004673
- UL File Number: E72928

Characteristics

- Designed for increased requirements
- 2-stage line filter with increased attenuation
Protection against interference voltage from the mains
Possible interferences generated in the equipment are strongly attenuated
- Especially suitable for use in switching power supplies
e.g. in electronic designs with high repetitive switching frequency
- Suitable for use in equipment according to IEC 60950

References

Alternative: Standard version

Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Mounting instruction](#), [Detailed request for product](#)

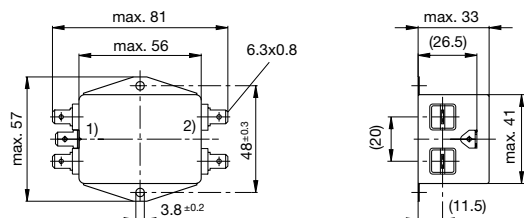
Technical Data

Ratings IEC	1 - 16 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 16 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	industrial < 1.4 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	Quick connect terminals 6.3 x 0.8 mm or screw terminals
Material: Housing	Aluminum

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

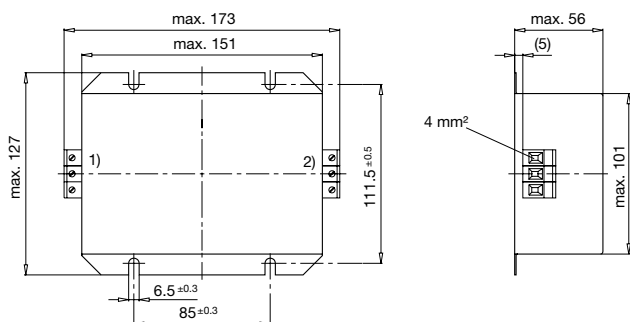
Dimensions

Case 10



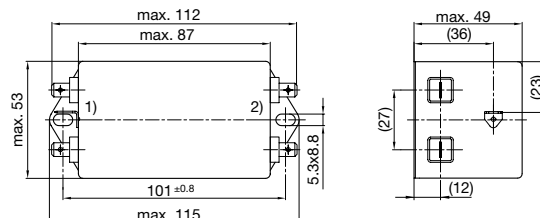
1) Line
2) Load

Case 27



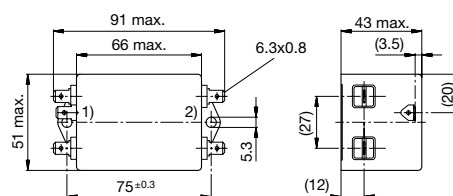
1) Line
2) Load

Case 19



1) Line
2) Load

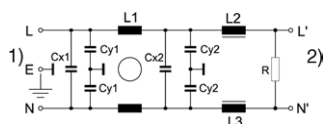
Case 48



1) Line
2) Load

Diagrams

Standard version

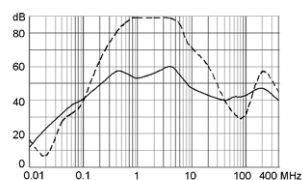


1) Line
2) Load

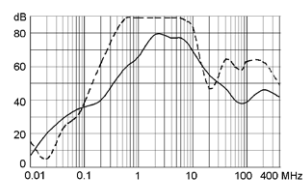
Attenuation Loss

Standard version

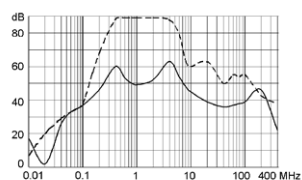
1 A



2 A



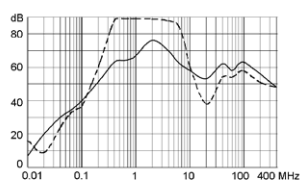
3 A



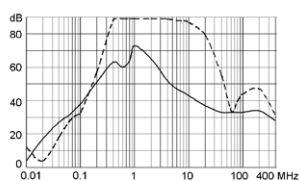
--- differential mode ____ common mode

Industrial version

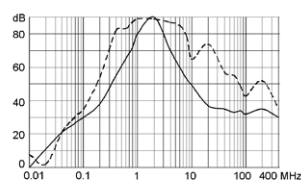
4 A



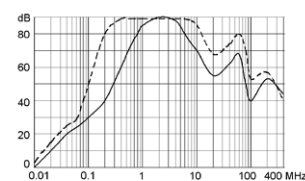
6 A



10 A



16 A



Rated Current [A]	Filter-Type	Leakage Current [mA]	L1 [mH]	L2 [mH]	L3 [mH]	Cx1 [μF]	Cx2 [μF]	Cy1 [nF]	Cy2 [nF]	R [MΩ]	Weight [g]	Housing	Order Number
1	Standard Version	0.25	2 x 15	1	-	0.1	0.47	1.5	1	1	-	10	5500.2051
2	Standard Version	0.25	2 x 10	0.4	0.4	0.1	0.47	1.5	1	1	-	10	5500.2052
3	Standard Version	0.25	2 x 12	1	-	0.1	0.68	1.5	1	1	-	48	5500.2053
4	Industrial Version	1.4	2 x 10	0.8	-	0.1	0.68	10	4.7	1	-	48	5500.2054
6	Industrial Version	1.4	2 x 6	0.5	-	0.1	0.68	10	4.7	1	-	48	5500.2055
10	Industrial Version	1.4	2 x 5	0.2	0.2	0.1	1	10	4.7	1	-	19	5500.2056
16	Industrial Version	1.4	2 x 4	0.2	0.2	0.47	2.2	10	4.7	1	-	27	5500.2057

Packaging unit 10 Pcs