

AC Filter 2-Stage, Very High Symmetrical Attenuation

**Description**

- Chassis:
Screw-on, from top
- Line-filter in standard version, 2-stage, 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 License Number: 40004673
- UL License 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
- Qualified for use in equipment according IEC/EN 60950

References

[General Product Information](#)

Weblinks

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

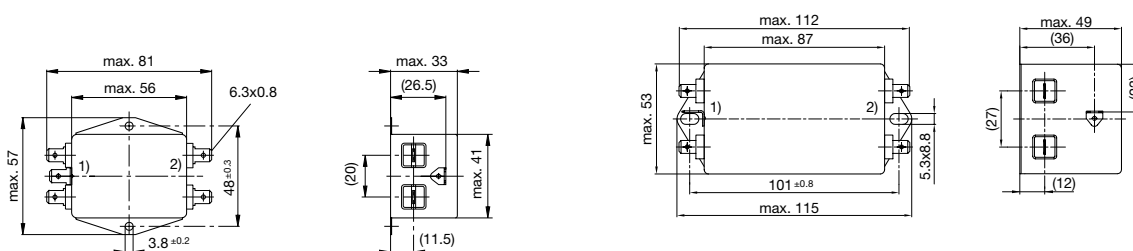
Technical Data

Ratings IEC	1 - 16A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 16A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	industrial < 1.4mA (250V / 60Hz)
Dielectric Strength	> 1.7kVDC between L-N > 2.7kVDC between L/N-PE Test voltage (2sec)
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	> 200'000h acc. to MIL-HB-217 F

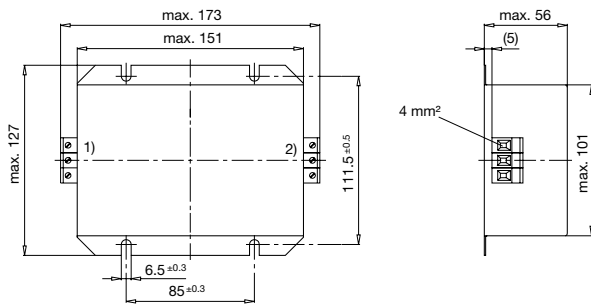
Dimensions

Case 19



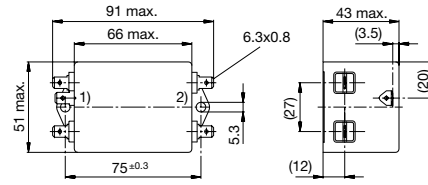
- 1) Line
2) Load

Case 27



- 1) Line
- 2) Load

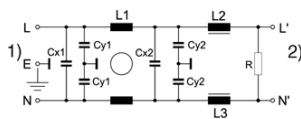
Case 48



- 1) Line
- 2) Load

Diagrams

Standard version



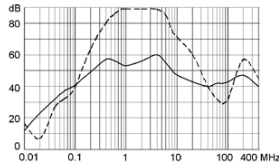
- 1) Line
- 2) Load

Attenuation Loss

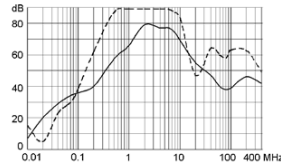
--- differential mode ____ common mode

Standard version

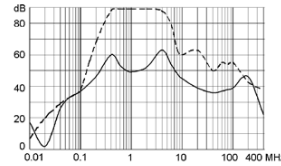
1 A



2 A

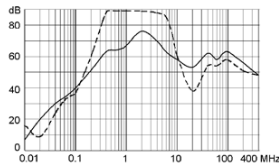


3 A

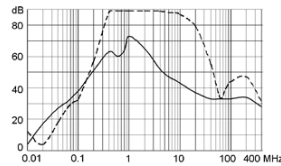


Industrial Version

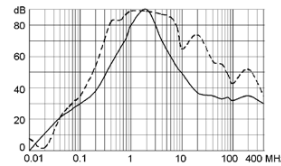
4 A



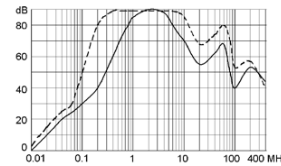
6 A



10 A



16 A



Rated Current [A]	Filter-Type	Leakage Current [mA]	L1 [mH]	L2 [mH]	L3 [mH]	Cx1 [μ F]	Cx2 [μ F]	Cy1 [nF]	Cy2 [nF]	R [$M\Omega$]	Weight [g]	Case	Order Number
1	Standard Version	0.25	2 x 15	1	-	0.1	0.47	1.5	1	1	121	10	5500.2051
2	Standard Version	0.25	2 x 10	0.4	0.4	0.1	0.47	1.5	1	1	121	10	5500.2052
3	Standard Version	0.25	2 x 12	1	-	0.1	0.68	1.5	1	1	275	48	5500.2053
4	Industrial Version	1.4	2 x 10	0.8	-	0.1	0.68	10	4.7	1	275	48	5500.2054
6	Industrial Version	1.4	2 x 6	0.5	-	0.1	0.68	10	4.7	1	284	48	5500.2055
10	Industrial Version	1.4	2 x 5	0.2	0.2	0.1	1	10	4.7	1	529	19	5500.2056
16	Industrial Version	1.4	2 x 4	0.2	0.2	0.47	2.2	10	4.7	1	2000	27	5500.2057

Packaging unit 10 Pcs