

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

**References****Weblinks**

[pdf](#), [html](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Accessories](#)

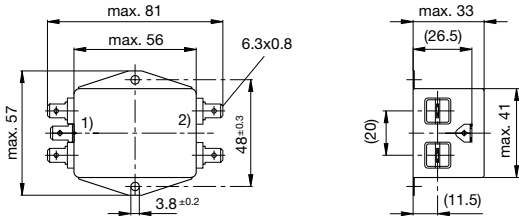
**Technical Data**

Ratings IEC	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 (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	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 <a href="#">Technical details</a>
MTBF	> 200'000h acc. to MIL-HB-217 F

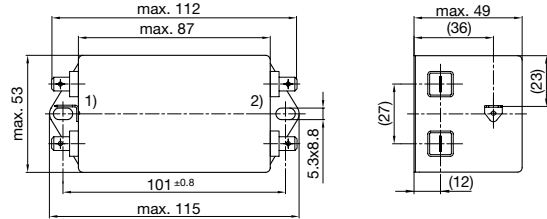
Dimensions

Case 10

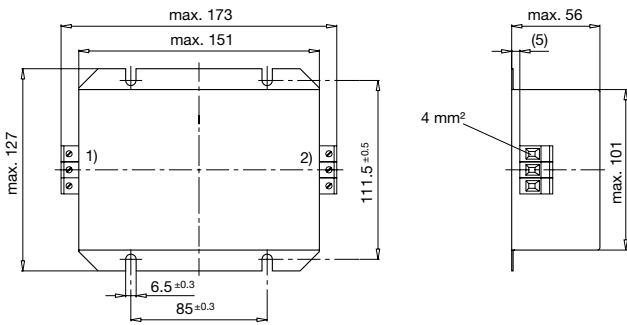


1) Line  
2) Load  
Case 27

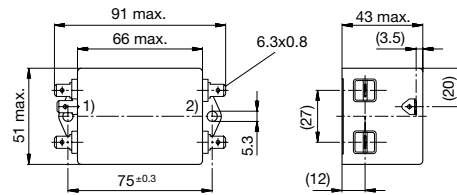
Case 19



1) Line  
2) Load  
Case 48



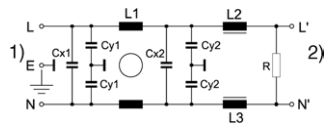
1) Line  
2) Load



1) Line  
2) Load

Diagrams

Standard version



1) Line  
2) Load

Attenuation Loss

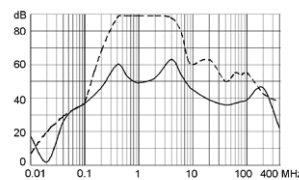
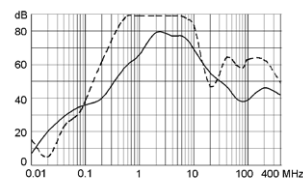
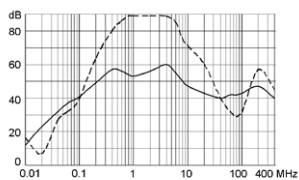
--- differential mode    \_\_\_\_ common mode

Standard version

1 A

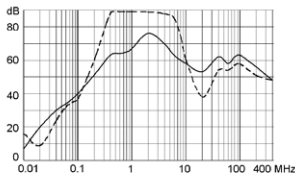
2 A

3 A

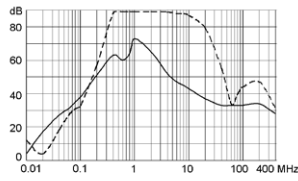


Industrial Version

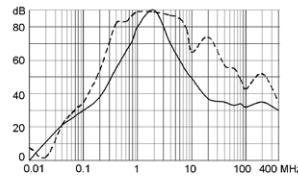
4 A



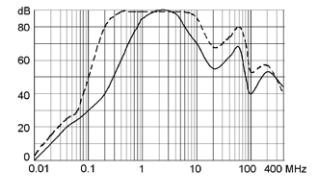
6 A



10 A



16 A



Rated Current [A]	Filter-Type	Leakage Current [mA]	L1 [mH]	L2 [mH]	L3 [mH]	Cx1 [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