

AC Filter 2-Stage, Very High Symmetrical and Asymmetrical Attenuation



Description

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

Approvals

- VDE Certificate Number: 40019274
- UL File Number: E72928

Characteristics

- Designed for increased requirements
- 2-stage line filter with increased attenuation
 - Protection against interference voltage from the mains
- Especially designed for industrial applications such as: Frequency Converters, Stepper Motor Drives, UPS-Systems, Inverters
 - Especially suitable for use in switching power supplies
- Suitable for use in equipment according to IEC/UL 60950

References

Alternative: Standard version

Weblinks

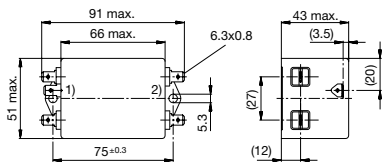
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Ratings IEC	3 - 36 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	3 - 36 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.5 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 Current >24 A requires screw terminals
Material: Housing	Alu. anodised / Stainless Steel

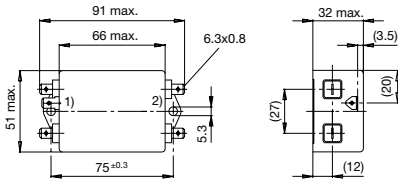
Line Filter	Standard and Industrial Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 200'000h acc. to MIL-HB-217 F

Dimension
Case 48

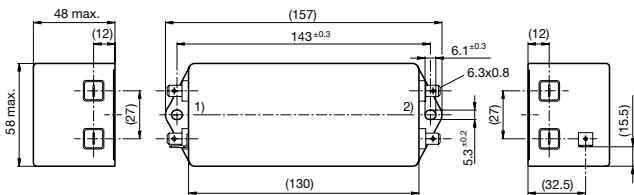


1) Line
2) Load
Case FF with quick connect terminals

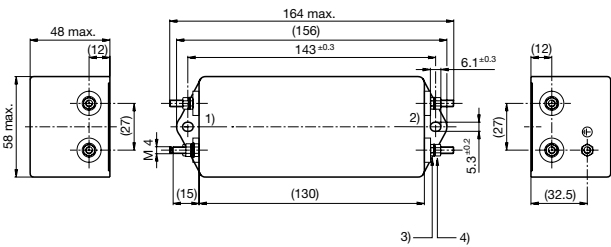
Case 49



1) Line
2) Load
Case FF with screw terminals



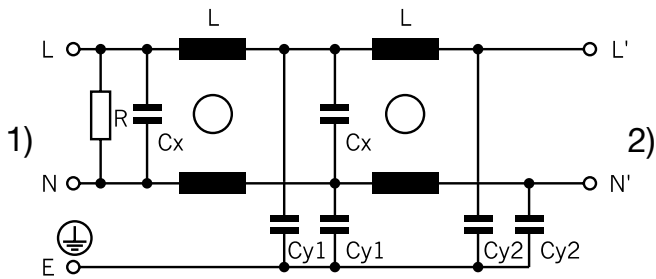
1) Line
2) Load



1) Line
2) Load
3) Lock-nut do not unscrew
4) Nut torque 0.85...1 Nm, keep lock-nut fastened

Diagrams

Standard version



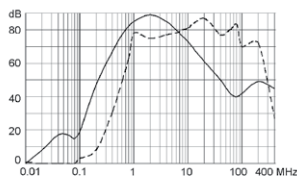
1) Line
2) Load

Attenuation Loss

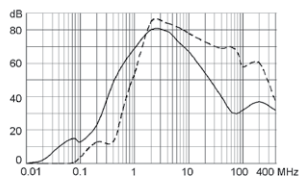
Standard version

--- differential mode — common mode

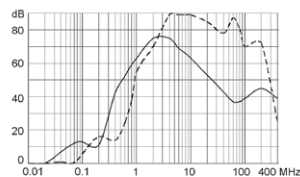
3 A



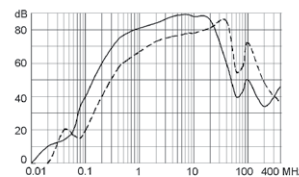
6 A



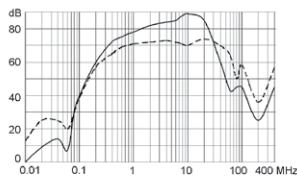
10 A



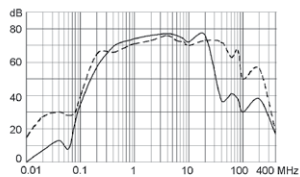
16 A



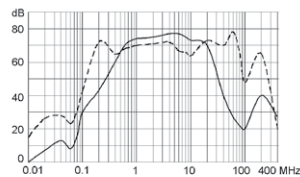
20 A



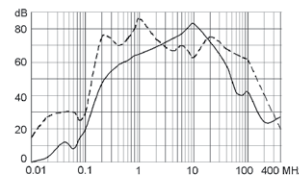
24 A



25 A

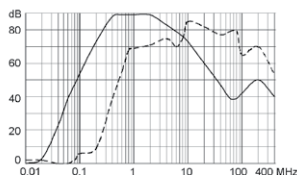


36 A

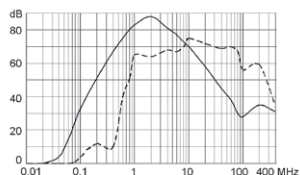


Industrial version

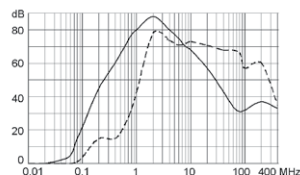
3 A



6 A



10 A



All Variants

Rated Current [A]	Filter-Type	Leakage Current [mA]	Terminal	L [mH]	Cx [μF]	Cy1 [nF]	Cy2 [nF]	R [MΩ]	Weight [g]	Housing	Order Number
3	Standard Version	0.25	Quick connect terminals	2 x 2	0.1	1.5	1	1	157 g	49	5500.2058
6	Standard Version	0.25	Quick connect terminals	2 x 0.8	0.1	1.5	1	1	159 g	49	5500.2060
10	Standard Version	0.25	Quick connect terminals	2 x 0.4	0.1	1.5	1	1	159 g	49	5500.2062
16	Standard Version	0.5	Quick connect terminals	2 x 1.3	1	-	4.7	1	200 g	48	5500.2218
20	Standard Version	0.5	Quick connect terminals	2 x 2.4	2.2	-	4.7	1	840 g	FF	5500.2219
24	Standard Version	0.5	Quick connect terminals	2 x 2	2.2	-	4.7	1	910 g	FF	5500.2220
25	Standard Version	0.5	Bolts and nuts M4	2 x 2	2.2	-	4.7	1	910 g	FF	5500.2221
36	Standard Version	0.5	Bolts and nuts M4	2 x 1.23	2.2	-	4.7	1	910 g	FF	5500.2222
3	Industrial Version	2.5	Quick connect terminals	2 x 2	0.1	22	1	1	157 g	49	5500.2059
6	Industrial Version	2.5	Quick connect terminals	2 x 0.8	0.1	22	1	1	159 g	49	5500.2061
10	Industrial Version	2.5	Quick connect terminals	2 x 0.4	0.1	22	1	1	159 g	49	5500.2063

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Packaging unit

10 Pcs

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