

AC Filter for PCB Mounting in Flat Housing

Standard- or Medical-Filter



Description

- Line filter in standard and medical version
- 1-stage
- standard attenuation

Approvals

- Approval Reference Type: FPP2
- VDE Certificate Number: 40004673
- UL File Number: E72928

Characteristics

- Cost-saving plastic housing
- Designed for standard applications
- Protection against interference voltage from the mains
- Possible interferences generated in the equipment are strongly attenuated
- For standard applications
- Suitable for use in equipment according to IEC/UL 60950

Other versions on request

- Version with wire connection
- Medical version M80

References

Alternative: Standard version

Weblinks

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

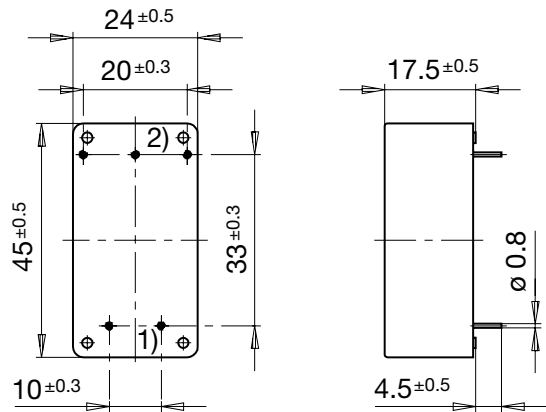
Technical Data

Ratings IEC	0.5 - 6,5 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	0.5 - 6.5 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.25 mA (250 V / 60 Hz) medical < 5 µA (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 Temperature	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	For PCB mounting, tin-plated
Material: Housing	Thermoplastic, black, UL 94V-0

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

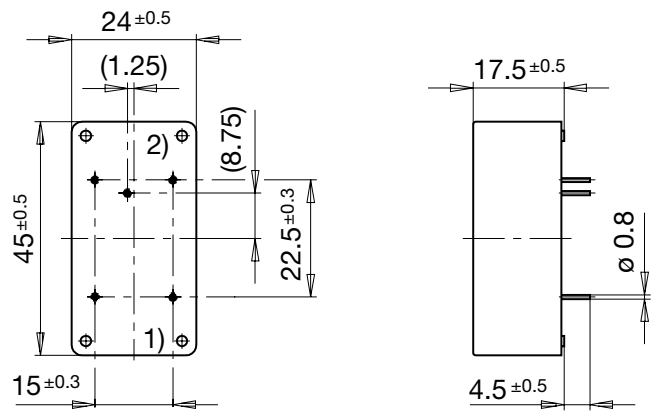
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension [mm]
Case 27P



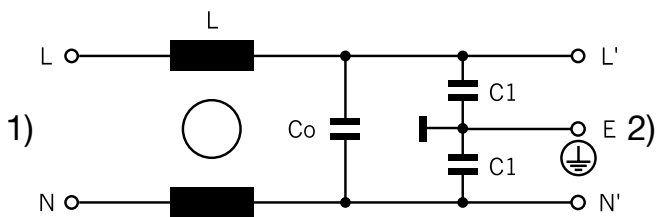
- 1) Line
- 2) Load

Case 27-1P

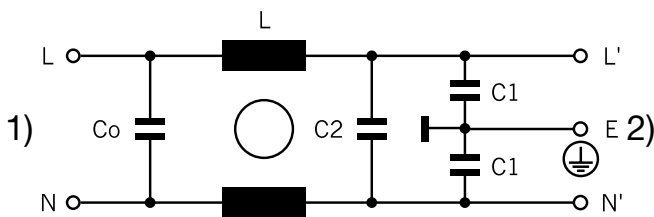


Diagrams

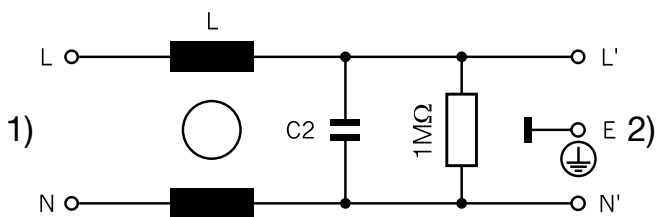
S2 standard version



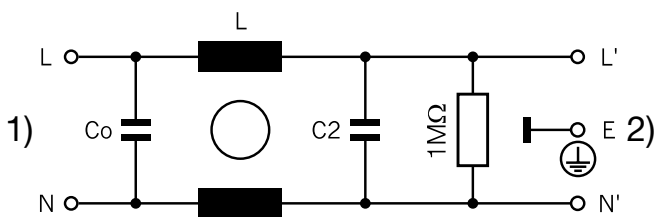
S3 standard version



S4 medical version



S5 medical version

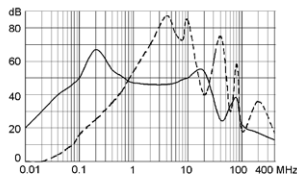


Attenuation Loss

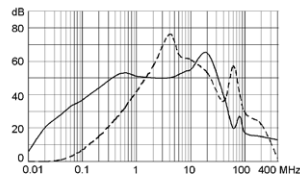
Standard version

--- 50Ω differential mode ____ 50Ω common mode

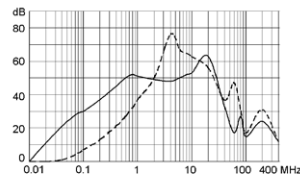
0.5 A



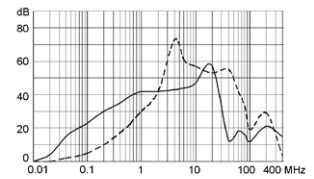
1 A



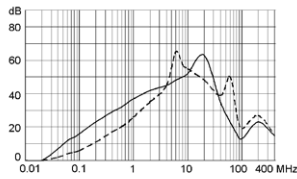
1.6 A



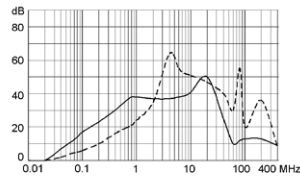
2.5 A



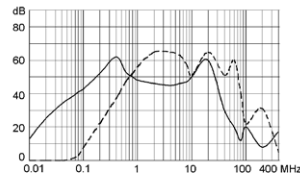
4 A



6.5 A

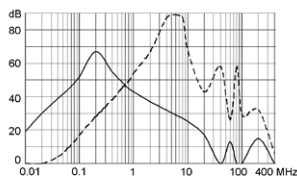


0.8 A

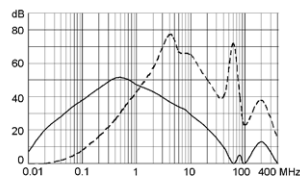


Medical version (M5)

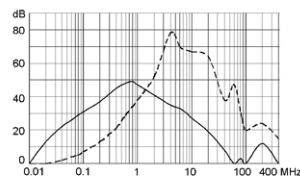
0.5 A



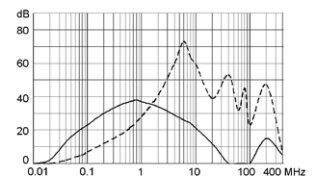
1 A



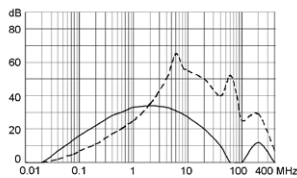
1.6 A



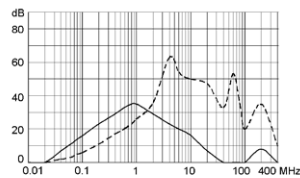
2.5 A



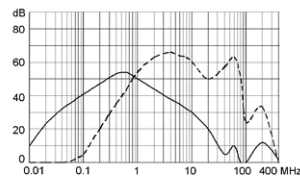
4 A



6.5 A



0.8 A



All Variants

Rated Current [A]	Filter-Type	L [mH]	Co / C2 (X2) [μF]	C1 (Y2) [nF]	Diagram	Weight [g]	Housings	Order Number	
0.8	Standard Version	2 x 20	0.068/0.015	2.2	S3	32 g	27-1P	5500.2020	■
0.5	Standard Version	2 x 40	0.1	2.2	S2	32 g	27P	5500.2014	■
1	Standard Version	2 x 10	0.1	2.2	S2	32 g	27P	5500.2015	■
1.6	Standard Version	2 x 6	0.1	2.2	S2	32 g	27P	5500.2016	■
2.5	Standard Version	2 x 2	0.1	2.2	S2	32 g	27P	5500.2017	■
4	Standard Version	2 x 1	0.1	2.2	S2	32 g	27P	5500.2018	■
6,5	Standard Version	2 x 1	0.1	2.2	S2	32 g	27P	5500.2019	■
0.8	Medical Version (M5)	2 x 20	0.068/0.015	-	S5	38 g	27-1P	5500.2129	
0.5	Medical Version (M5)	2 x 40	0.1	-	S4	32 g	27P	5500.2127	
1	Medical Version (M5)	2 x 10	0.1	-	S4	32 g	27P	5500.2130	
1.6	Medical Version (M5)	2 x 6	0.1	-	S4	32 g	27P	5500.2131	
2.5	Medical Version (M5)	2 x 2	0.1	-	S4	32 g	27P	5500.2132	
4	Medical Version (M5)	2 x 1	0.1	-	S4	32 g	27P	5500.2133	
6,5	Medical Version (M5)	2 x 1	0.1	-	S4	38 g	27P	5500.2128	

■ Most Popular.

Rated Current [A]	Filter-Type	L [mH]	Co / C2 (X2) [μF]	C1 (Y2) [nF]	Diagram	Weight [g]	Hou- sings	Order Number
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Availability for all products can be searched real-time:<http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Packaging unit	70 Pcs
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