FPP-02

AC Filter for PCB Mounting in Flat Housing

Standard- or Medical-Filter



Description

- Chassis:
  PCB Mounting, from top
- Line filter in standard and medical version, 1-stage, standard attenuation
- For PCB mounting
- Excellent price/perfomance ratio

Approvals

- 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, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

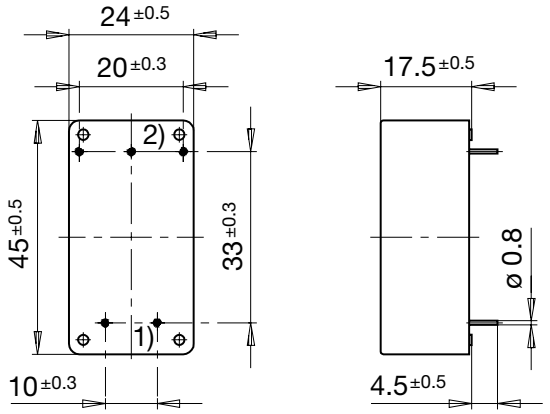
Technical Data

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 Temp.	-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

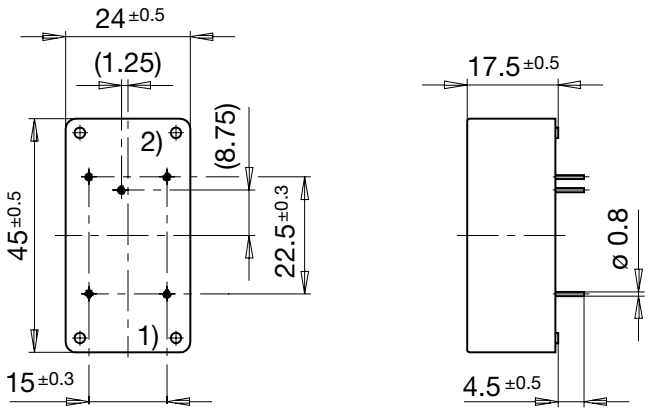
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 200'000 h acc. to MIL-HB-217 F

Dimension

Case 27P



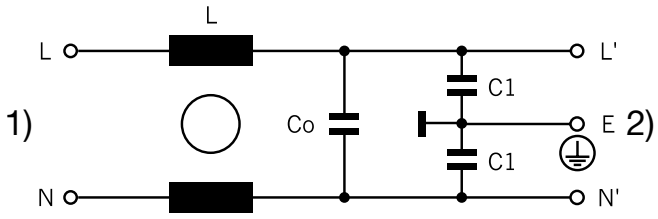
Case 27-1P



1) Line
2) Load

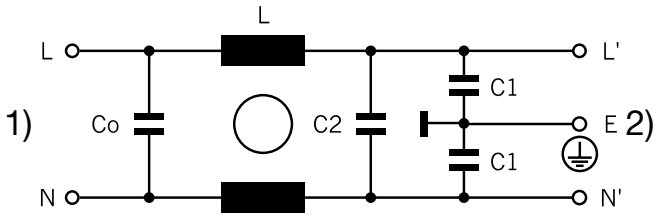
Diagrams

S2 standard version



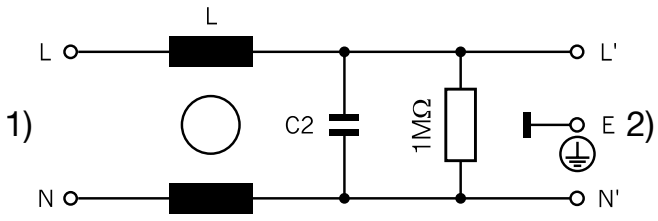
1) Line
2) Load

S3 standard version



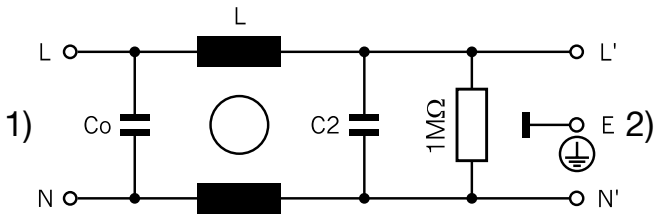
1) Line
2) Load

S4 medical version



1) Line
2) Load

S5 medical version



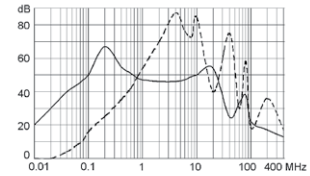
1) Line
2) Load

Attenuation Loss

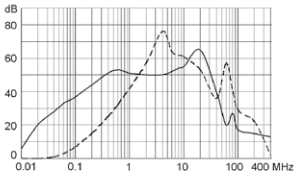
- - - - differential mode _____ common mode

Standard version

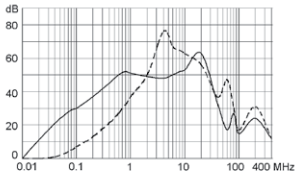
0.5 A



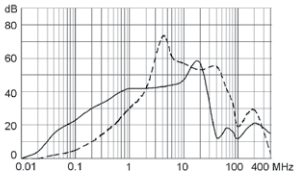
1 A



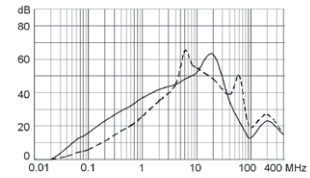
1.6 A



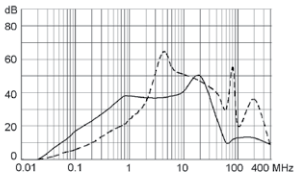
2.5 A



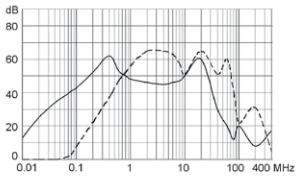
4 A



6.5 A

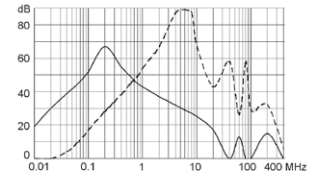


0.8 A

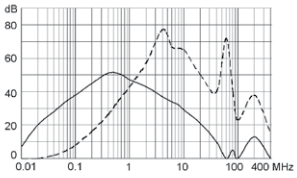


Medical version (M5)

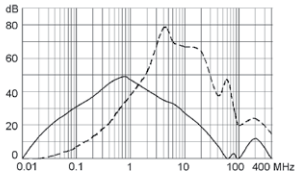
0.5 A



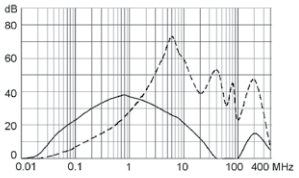
1 A



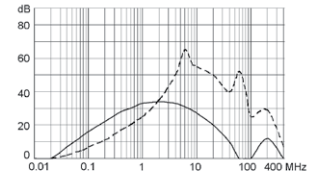
1.6 A



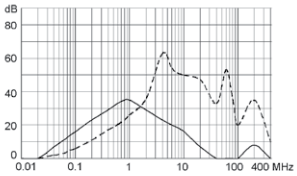
2.5 A



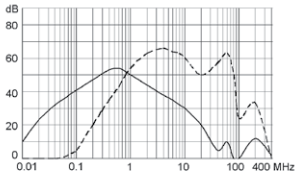
4 A



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]	Housing	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.

Availability for all products can be searched real-time:http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

Packaging unit	70 Pcs

04.03.2015

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