AC Filter 2-Stage, DIN Rail Mounting, Very Broad Band Attenuation

new



Description

- Chassis:
  DIN rail mounting
- Line filter in standard or industrial version, 2 positions, very high attenuation, broadband
- High symmetrical and asymmetrical attenuation in the frequency range from 10kHz up to 30MHz

Approvals

- VDE Certificate Number: 40030734
- UL File Number: E72928

Characteristics

- Protection against interference voltage from the mains
  Possible interferences generated in the equipment are strongly attenuated
- Especially designed for electric switch and control cabinets
- Suitable for use in equipment according to IEC/UL 60950

Weblinks

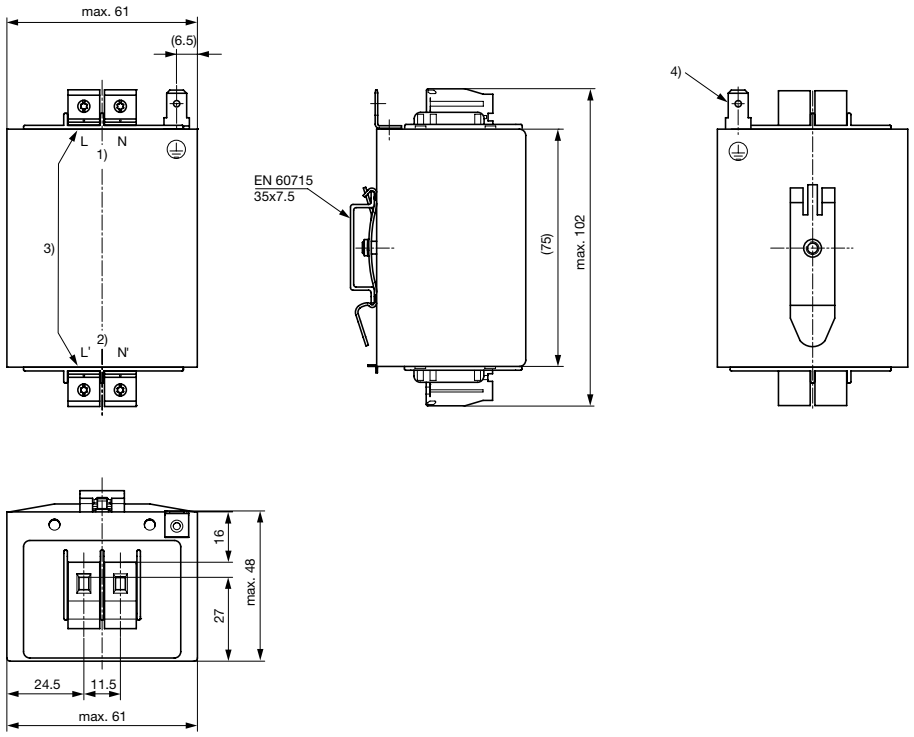
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

Technical Data

Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10 A @ Ta 40 °C / 125/250 VAC; 60 Hz
Leakage Current	standard < 0.25 mA (250 V / 50 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
Degree of Protection	IP 20 IEC 60529
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Bolts and nuts M4, Quick connect terminal for PE
Material: Housing	Metal

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

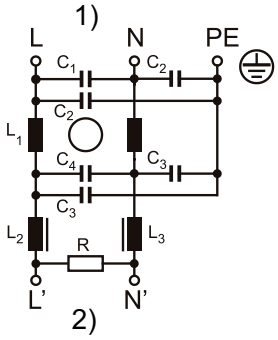
Dimension



1) Line
2) Load
3) Tightening torque 0.6-0.8 Nm, Screw 4mm²
4) Quick connect terminal 6.3x0.8mm

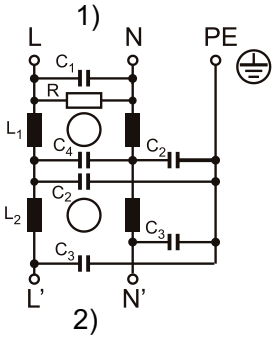
Diagrams

S1



1) Line
2) Load

S2



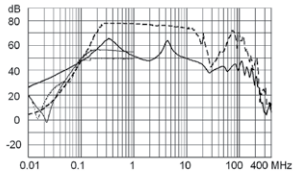
1) Line
2) Load

Attenuation Loss

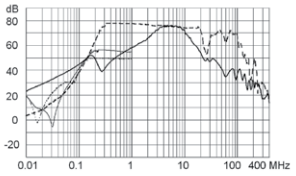
. . . . . 0.1/100Ω differential mode ..... 100/0.1Ω differential mode - - - - differential mode _____ common mode

Standard version

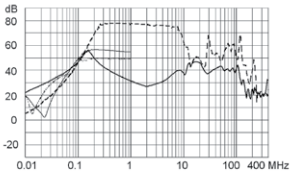
1 A (S1)



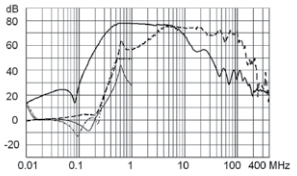
2 A (S1)



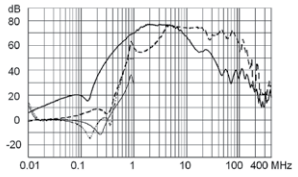
3 A (S1)



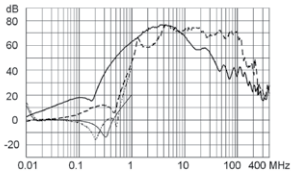
3 A (S2)



6 A (S2)

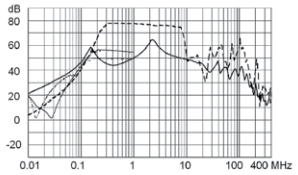


10 A (S2)

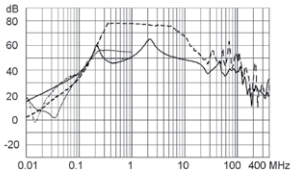


Industrial version

4 A (S1)



6 A (S1)



All Variants

Rated Current [A]	Filter-Type	Leakage Current [mA] 1)	L [mH]	C1 (X2) [nF]	C2 (Y2) [nF]	C3 (Y2) [nF]	C4 (Y2) [nF]	R [MΩ]	Diagram	Weight [g]	Screw clamps [mm²] 2)	Order Number
1	Standard Version	0.25	2 x 15	100	1.5	1	470	1	S1	340g	4	5500.2263
2	Standard Version	0.25	2 x 10	100	1.5	1	470	1	S1	375g	4	5500.2264
3	Standard Version	0.25	2 x 12	100	1.5	1	680	1	S1	415g	4	5500.2265
3	Standard Version	0.25	2 x 2	100	1.5	1	100	1	S2	355g	4	5500.2268
4	Industrial Version	1.5	2 x 10	100	10	4.7	680	1	S1	435g	4	5500.2266
6	Standard Version	0.25	2 x 0.8	100	1.5	1	100	1	S2	355g	4	5500.2269
6	Industrial Version	1.5	2 x 6	100	10	4.7	680	1	S1	485g	4	5500.2267
10	Standard Version	0.25	2 x 0.4	100	1.5	1	100	1	S2	370g	4	5500.2270

Most Popular.

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

1) Leakage current acc. IEC60950 - 5.2.3 - Annex D (situation when neutral is interrupted)

2) Maximum conductor cross section (wire gauge) to be used; a comparative table for AWG and mm² values can be found in the general product information www.schurter.com/emc_info

Packaging unit 5 Pcs

04.03.2015

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.