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
- Qualified for use in equipment according IEC/EN 60950

References

Weblinks

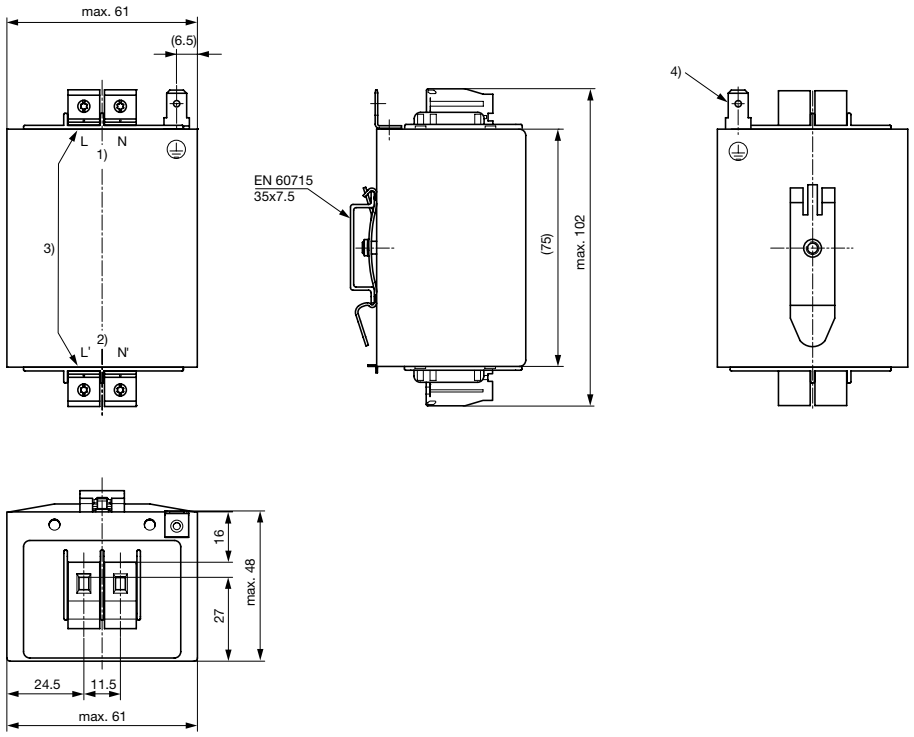
pdf, html, General Product Information, Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories

Technical Data

Ratings IEC	1 - 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 1 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, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical details
MTBF	> 200'000 h acc. to MIL-HB-217 F

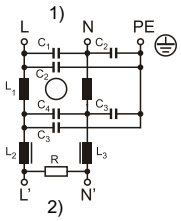
Dimensions



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

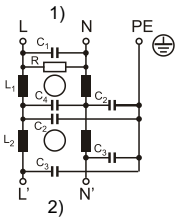
Diagrams

S1



1) Line
2) Load

S2



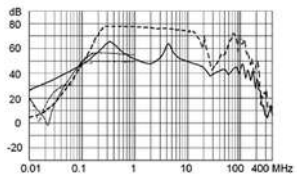
1) Line
2) Load

Attenuation Loss

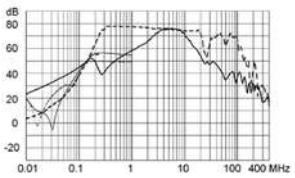
. . . . . 0.1/100Ω differential mode ..... 100/0.1Ω differential mode - - - - differential mode _____ common mode

Standard version

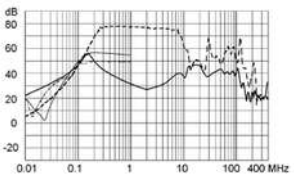
1 A (S1)



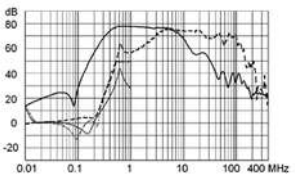
2 A (S1)



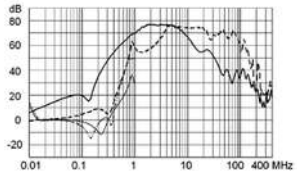
3 A (S1)



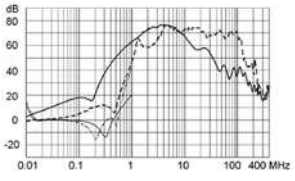
3 A (S2)



6 A (S2)

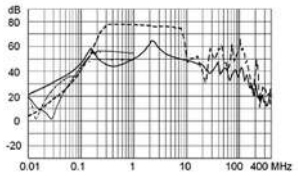


10 A (S2)

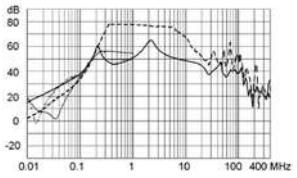


Industrial Version

4 A (S1)



6 A (S1)



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	-	4	5500.2263
2	Standard Version	0.25	2 x 10	100	1.5	1	470	1	S1	-	4	5500.2264
3	Standard Version	0.25	2 x 12	100	1.5	1	680	1	S1	-	4	5500.2265
3	Standard Version	0.25	2 x 2	100	1.5	1	100	1	S2	-	4	5500.2268
4	Industrial Version	1.5	2 x 10	100	10	4.7	680	1	S1	-	4	5500.2266
6	Standard Version	0.25	2 x 0.8	100	1.5	1	100	1	S2	-	4	5500.2269
6	Industrial Version	1.5	2 x 6	100	10	4.7	680	1	S1	-	4	5500.2267
10	Standard Version	0.25	2 x 0.4	100	1.5	1	100	1	S2	-	4	5500.2270

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