

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



Approvals and Compliances

**Description**

- Line filter in standard or industrial version
- 2 positions
- very high attenuation
- broadband

**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](#), [Distributor-Stock-Check](#), [Detailed request for product](#), [Microsite](#)

**Technical Data**

Ratings IEC	1 - 10A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125/250VAC; 60Hz
Leakage Current	standard < 0.25mA (250V / 50Hz)
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 100 °C
Climatic Category	25/100/21 acc. to IEC 60068-1
IP-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 <a href="#">Technical Details</a>
MTBF	> 200'000h acc. to MIL-HB-217 F



**Approvals and Compliances**

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

**Approvals**








The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: FMBB Rail

Approval Logo	Certificates	Certification Body	Description
	<a href="#">VDE Approvals</a>	VDE	Certificate Number: 40030734
	<a href="#">UL Approvals</a>	UL	UL File Number: E72928


## Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
	Designed according to	IEC 60939	Passive filters for suppressing electromagnetic interference
	Designed according to	IEC 60127-6	Miniature fuses. Part 6. Fuse-holders for miniature fuse-links
	Designed according to	UL 498	Standard for Attachment Plugs and Receptacles
	Designed according to	UL 1283	Electromagnetic interference filters
	Designed according to	CSA C22.2 no. 42	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices
	Designed according to	CSA C22.2 no. 8	Electromagnetic interference (EMI) filters





## Application standards

Application standards where the product can be used

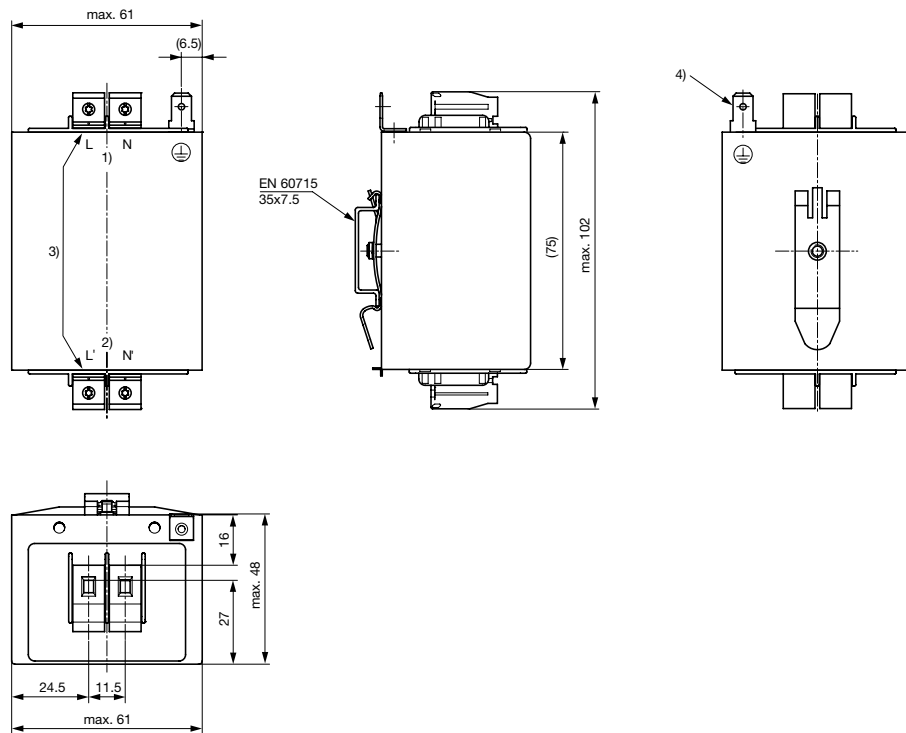
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

## Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
	<a href="#">CE declaration of conformity</a>	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

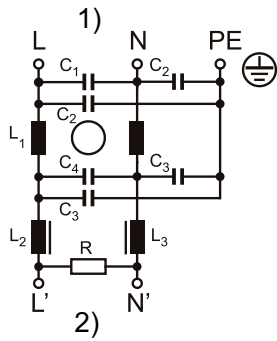
Dimension [mm]



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

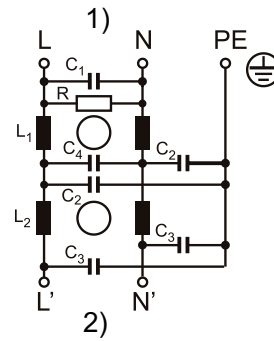
Diagrams

S1



- 1) Line
- 2) Load

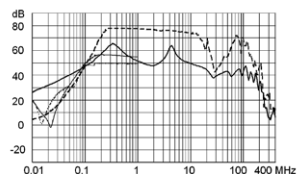
S2



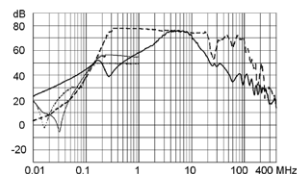
- 1) Line
- 2) Load

**Attenuation Loss** . . . . 0.1/100Ω differential mode ..... 100/0.1Ω differential mode - - - - 50Ω differential mode \_\_\_\_ 50Ω common mode  
 Standard version

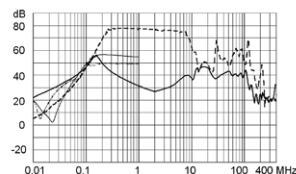
1 A (S1)



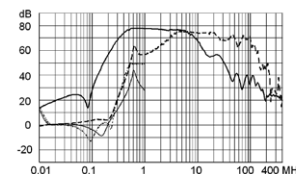
2 A (S1)



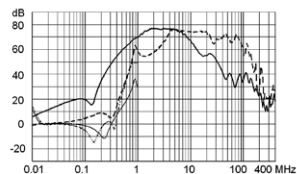
3 A (S1)



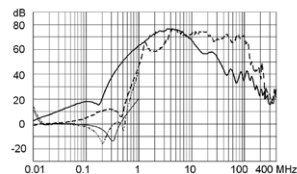
3 A (S2)



6 A (S2)

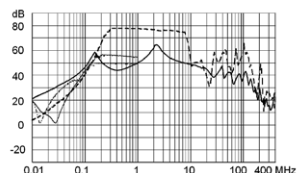


10 A (S2)

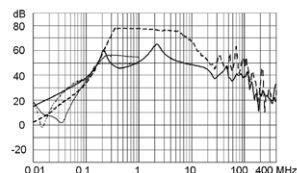


Industrial version

4 A (S1)



6 A (S1)



## All Variants

Rated Current [A]	Filter-Type	Leakage Current [mA] <sup>1)</sup>	L [mH]	C1 (X2) [nF]	C2 (Y2) [nF]	C3 (Y2) [nF]	C4 (Y2) [nF]	R [MΩ]	Diagram	Weight [g]	Screw clamps [mm <sup>2</sup> ] <sup>2)</sup>	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: <https://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 mm<sup>2</sup> values can be found in the general product information [www.schurter.com/emc\\_info](http://www.schurter.com/emc_info)

**Packaging unit** 5 Pcs