AC Filter, DIN Rail Mounting



Approvals and Compliances

Description

- Line filter in industrial version
- 1 stage
- high attenuation

Characteristics

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

pdf datasheet, html-datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product, Microsite

Technical Data	
Ratings IEC	10 - 20 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	10 - 20 A @ Ta 40 °C / 125/250 VAC; 60 Hz
Leakage Current	industrial < 2.1 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 Tempe-	-25 °C to 100 °C
rature	
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	Industrial Version, IEC 60939, UL 1283, CSA C22.2 no. 8		
	Technical Details		
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: FMAB Rail

Approval Logo	Certificates	Certification Body	Description
1 0	VDE Approvals	VDE	Certificate Number: 40030734
c FU °us	UL Approvals	UL	UL File Number: E72928

Product standards

Product standards that are referenced

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

Application standards

Application standards where the product can be used

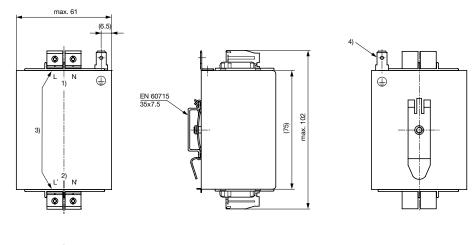
Organization	Design	Standard	Description
<u>IEC</u>	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment. $\label{eq:continuous}$

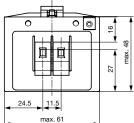
Compliances

The product complies with following Guide Lines

The product complice with following addice Lines							
Details	Initiator	Description					
CE declaration of conformity	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.					
	Details CE declaration of conformity RoHS China RoHS	Details Initiator CE declaration of conformity SCHURTER AG ROHS SCHURTER AG China ROHS SCHURTER AG					

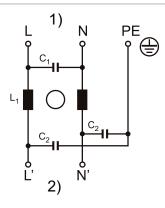
Dimension [mm]





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

Diagrams



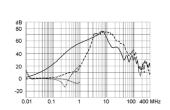
20 A

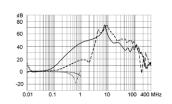
1) Line 2) Load

10 A

Attenuation Loss $0.1/100\Omega$ differential mode 100/0.1 Ω differential mode - - - - 50 Ω differential mode _____ 50Ω common mode

Industrial version





All Variants

Rated Current [A]	Leakage Cur- rent [mA] 1)	L [mH]	C1 (X2) [nF]	C2 (Y2) [nF]	Weight [g]	Screw clamps [mm ²] ²⁾	Order Number	_
10	2.1	2 x 1	68	22	358g	4	5500.2261	
20	2.1	2 x 0.15	68	22	380 g	4	5500.2262	

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- 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

EMC Products