### AC Filter, DIN Rail Mounting



#### See below:

### **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 62368-1

#### Weblinks

pdf data sheet, html datasheet, General Product Information, Approvals, 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 Temperature	-25°C to 100°C			
Climatic Category	25/100/21 acc. to IEC 60068-1			
IP-Protection	IP20 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			

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**

Material: Housing

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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

### **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
10	VDE Approvals	VDE	Certificate Number: 40030734
c <b>FL</b> °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 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
(UL)	Designed according to	UL 1283	Electromagnetic interference filters
CSA Group	Designed according to	CSA C22.2 no. 8	Electromagnetic interference (EMI) filters

# **Application standards**

Application standards where the product can be used

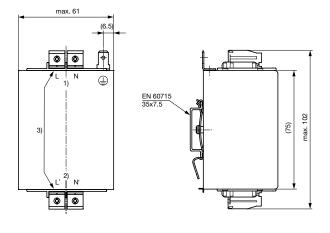
Organization	Design	Standard	Description
<u>IEC</u>	Designed for applications acc.	IEC/UL 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.

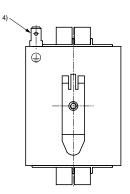
# Compliances

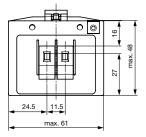
The product complies with following Guide Lines

Identification	Details	Initiator	Description
C€	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	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
<b>©</b>	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	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]

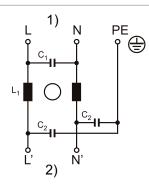






- 1) Line
- 2) Load
- 3) Tightening torque 0.6-0.8 Nm, Screw 4mm<sup>2</sup>
- 4) Quick connect terminal 6.3x0.8mm

## **Diagrams**

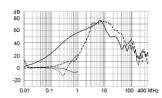


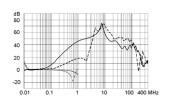
20 A

1) Line 2) Load

Industrial version

10 A





## **All Variants**

								_
Rated Current [A]	Leakage Cur- rent [mA] 1)	L [mH]	C1 (X2) [nF]	C2 (Y2) [nF]	Weight [g]	Screw clamps [mm2] 2)	Order Number	
10	2.1	2 x 1	68	22	358g	4	5500.2261	
20	2.1	2 x 0.15	68	22	380g	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

https://www.schurter.com/en/FAQ#10

Packaging unit 5 Pcs