#### **AC** Filter





#### **Approvals and Compliances**

#### **Description**

- Line-filter in standard version
- 1-stage
- standard attenuation

#### Characteristics

- Designed for high current applications Compact design
- Protection against interference voltage from the mains Possible interferences generated in the equipment are strongly attenu-
- For standard and industrial applications
- Suitable for use in equipment according to IEC/UL 62368-1

#### References

We recommend for new applications the type FMAB NEO Last order date: 30.03.2025 Last delivery date: 30.06.2025

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

Technical Data
Ratings IEC

Ratings IEC	10 - 20 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	10 - 20 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	industrial < 3 mA (250 V / 60 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
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm
Material	Nickel plated steel
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Line Filter	Standard and 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

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: FMW

Approval Logo	Certificates	Certification Body	Description
10	VDE Approvals	VDE	Certificate Number: 40004673
c <b>SU</b> °us	UL Approvals	UL	UR 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
(UL)	Designed according to	UL 1283	Passive filters for suppressing electromagnetic interference
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>	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

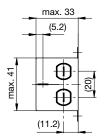
#### Compliances

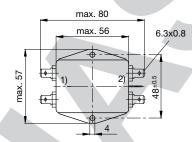
The product complies with following Guide Lines

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.
UK CA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 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]

Case 10





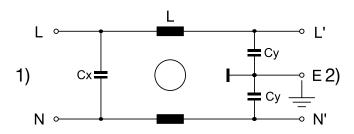
1) Line 2) Load

 $50\Omega$  common mode

- - - - 50 $\Omega$  differential mode

#### **Diagrams**

Standard version

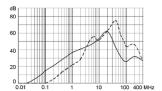


- 1) Line
- 2) Load

#### **Attenuation Loss**

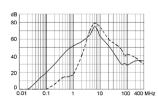
Standard version

10 A

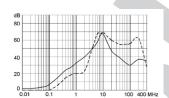


Industrial version

10 A



20 A



#### **Variants**

Rated Current [A]	Filter-Type	Leakage Cur- rent [mA]	L [mH]	Cx (X2) [nF]	Cy (Y2) [nF]	Weight [g]	Housing	Order Number
10	Standard version	0.34	2 x 1	68	2.2	160 g	10	5500.2045
10	Industrial version	3	2 x 1	68	22	140 g	10	5500.2046
20	Industrial version	3	2 x 0.15	68	22	140 g	10	5500.2047

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Packaging unit

10 Pcs

**EMC Products** 

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