

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 attenuated
- For standard and industrial applications
- Suitable for use in equipment according to IEC/UL 60950

**References**

Alternative: Standard version

**Weblinks**

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Distributor-Stock-Check](#), [Detailed request for product](#), [Microsite](#)

**Technical Data**

Ratings IEC	10 - 20A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	10 - 20A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	industrial < 2.1 mA (250V / 60Hz)
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: Housing	Aluminum

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: FMW

Approval Logo	Certificates	Certification Body	Description
	<a href="#">VDE Approvals</a>	VDE	Certificate Number: 40004673
	<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	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.

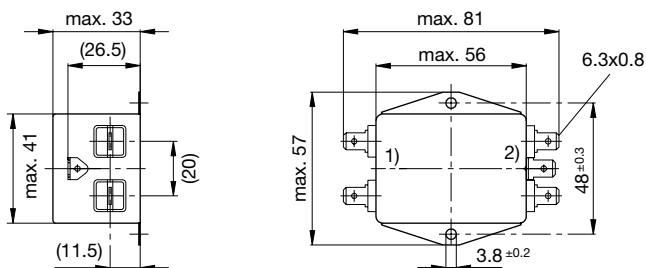
**Compliances**

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]**

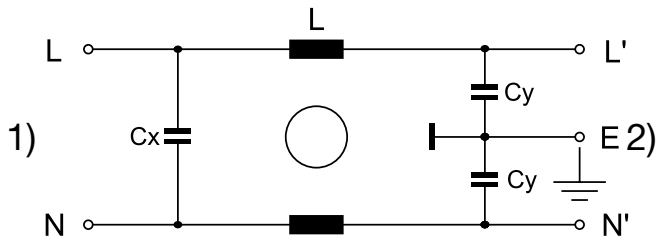
Case 10



- 1) Line
- 2) Load

Diagrams

Standard version



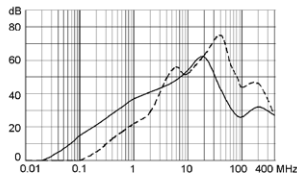
- 1) Line
- 2) Load

Attenuation Loss

----- 50Ω differential mode \_\_\_\_\_ 50Ω common mode

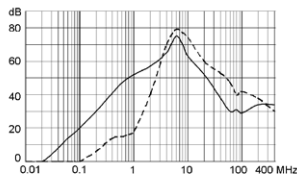
Standard version

10 A

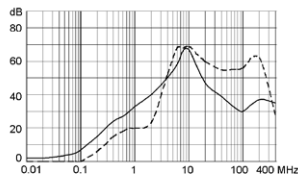


Industrial version

10 A



20 A



All Variants

Rated Current [A]	Filter-Type	Leakage Current [mA]	L [mH]	Cx (X2) [nF]	Cy (Y2) [nF]	Weight [g]	Housings	Order Number
10	Standard Version	0.25	2 x 1	68	2.2	160 g	10	5500.2045
10	Industrial Version	2.1	2 x 1	68	22	140 g	10	5500.2046
20	Industrial Version	2.1	2 x 0.15	68	22	140 g	10	5500.2047

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Packaging unit

10 Pcs

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