

Sine wave output filter



See below:

Approvals and Compliances

Description

- Design corresponding to UL 1283, CSA 22.2 No. 8, IEC/EN60939
- Standard versions include insulated safety screw terminals
- Enhancement of the system efficiency

Applications

- Optimized for long motor cables (up to 200 m) and operation under full load
- Frequency converters in uninterruptible power supplies, elevators, heating-, ventilating- and air conditioning-systems, traction and conveyer systems

References

This type is Phase-out without alternate type
Last order date: 15.12.2019

Weblinks

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

Technical Data

Rated Current	4 - 16 A @ Ta 40 °C
Rated voltage	500/288 VAC: 50/60 Hz
Approval for	4 - 16 A @ Ta °C / 500/288 VAC; 50 Hz
Overload Current	1.5 x Ir for 1 minute, per hour
Dielectric Strength	500/288 VAC: 1.1 kVDC between L-L 2.5 kVDC between L-PE Test voltage 2 sec
Weight	9 - 22 kg
Material: Housing	Metal
Sealing Compound	UL 94V-2

Mounting	Screw-on mounting on chassis, from top
Terminal	Screw clamps
Operating Temperature	-25 °C to 100 °C
Climatic Category	25/100/21 acc. to IEC 60068-1
Degree of Protection	IP20 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140


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.

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	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.

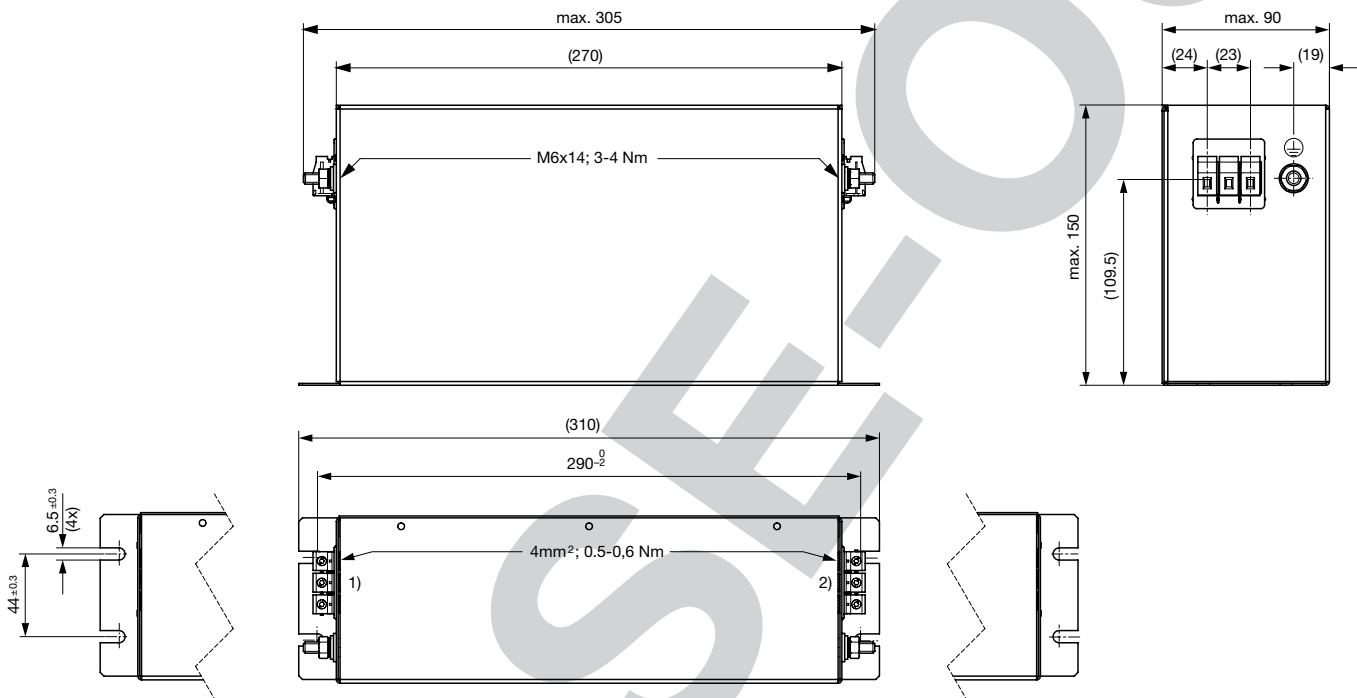
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	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
China RoHS	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.

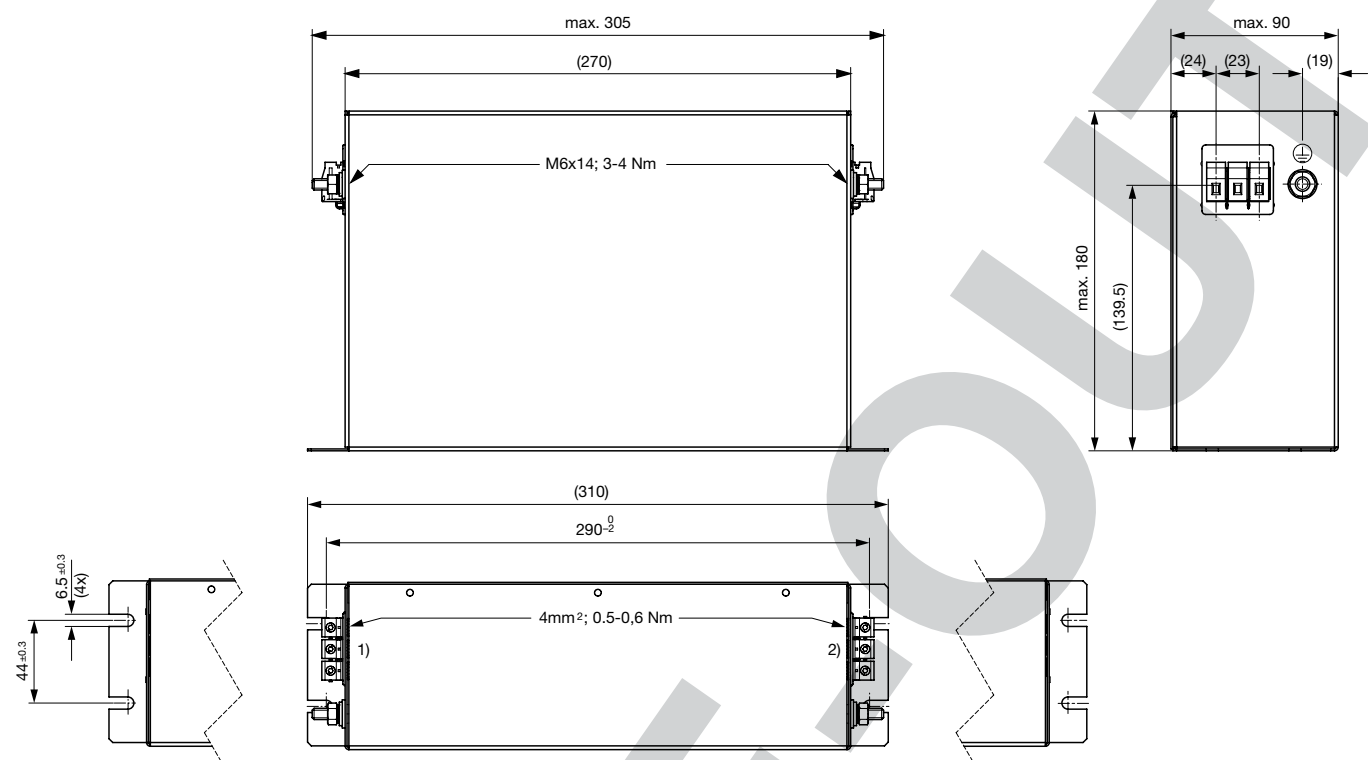
Dimension [mm]

Case 2K



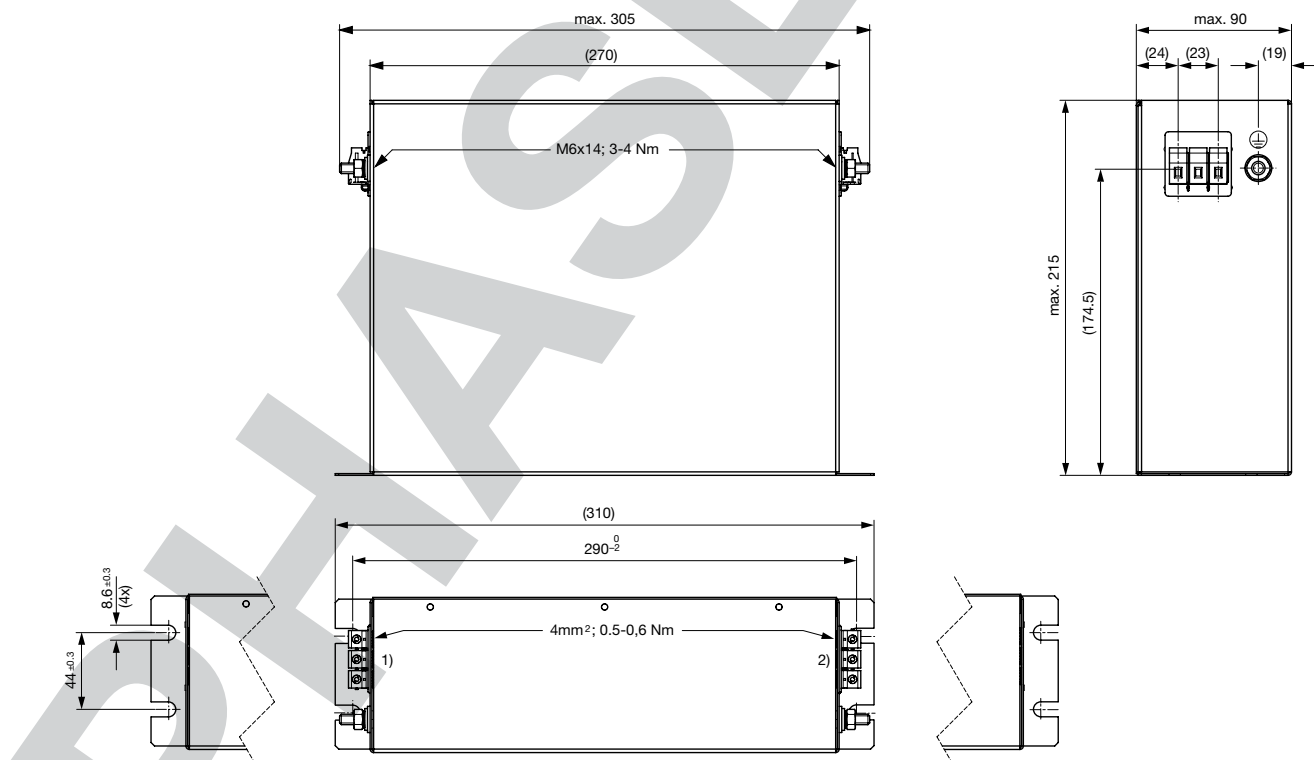
- 1) Inverter
- 2) Motor

Case 2L



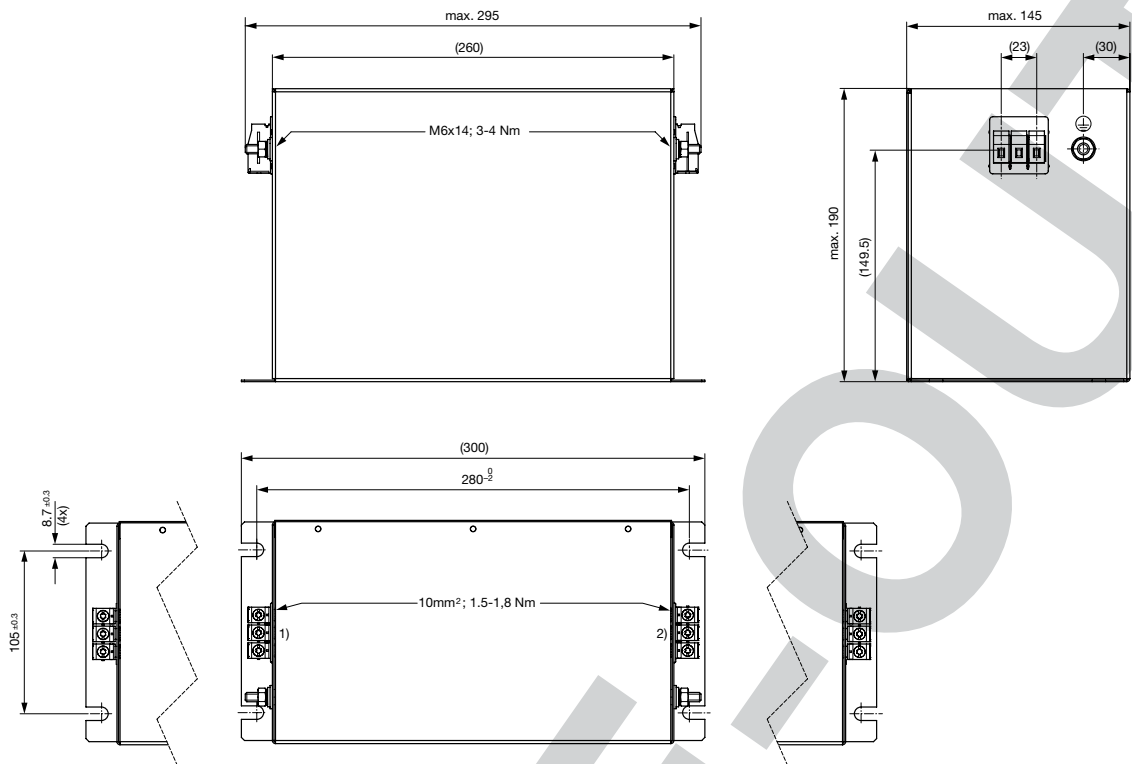
- 1) Inverter
- 2) Motor

Case 2M



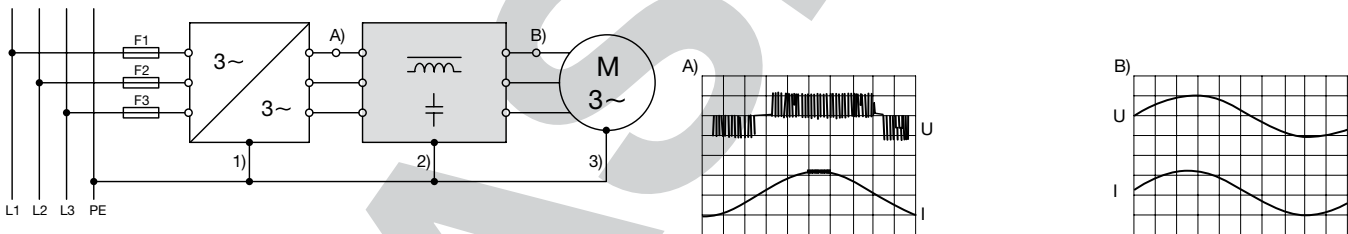
- 1) Inverter
- 2) Motor

Case 2N



- 1) Inverter
- 2) Motor

Diagrams



- 1) Inverter 2) Sine wave output filter 3) Motor

All Variants

Rated Current	Rated voltage	Switching frequency	Motor frequency	Rated motor power	Motor cable lenght	DC resistance	Total power loss	Weight	Housings	Order Number
[A]	[VAC]	[kHz]	[Hz]	[kW]	[m]	[mΩ]	[W]	[kg]		
4	500/288	2...20	0...200	1.5	200m	400	7	9 kg	2K	FMAC-0S2K-0462-A
8	500/288	2...20	0...200	3.0	200m	180	12	12 kg	2L	FMAC-0S2L-0862-A
12	500/288	2...20	0...200	5.5	200m	120	18	15 kg	2M	FMAC-0S2M-1262-A
16	500/288	2...20	0...200	7.5	200m	170	44	22 kg	2N	FMAC-0S2N-1662-A

Availability for all products can be searched real-time:<https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Packaging unit 1 Pcs

Mouser Electronics

Authorized Distributor

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Schurter:

[FMAC-0S2L-0862-A](#) [FMAC-0S2M-1262-A](#) [FMAC-0S2N-1662-A](#) [FMAC-0S2K-0462-A](#)