

Product datasheet

Specifications



sinus filter - 16 A - for Altivar variable speed drive

VW3A5202

Discontinued on: 3 Mar 2022

Discontinued

Main

Product Or Component Type	Sinus filter
Range Compatibility	Altivar 61 Altivar 71
Product Specific Application	Output filter
[In] Rated Current	16 A
Thermal Losses	70 W at 100 Hz
Product Compatibility	ATV61HU22M3 ATV61HU30M3 ATV61HU55N4 ATV61WU55N4 ATV61WU55N4C ATV71HU22M3 ATV71HU30M3 ATV71HU55N4 ATV71PU55N4Z ATV71WU55N4
Switching Frequency	4...8 kHz
Maximum Output Frequency	100 Hz
Maximum Permissible Voltage	500 V AC

Complementary

Maximum Motor Cable Length	600 m P motor 5.5 kW at 400 V
Electrical Connection	Terminal 6 mm² / AWG 8, 1.5 N.m
Maximum Voltage Drop At Rated Load	10 %
Max Current	1.5 x nominal current (duration = 60 s)
Net Weight	11 kg

Environment

Ip Degree Of Protection	IP20
Environmental Characteristic	3B1 conforming to IEC 721-3-3 3C2 conforming to IEC 721-3-3 3S1 conforming to IEC 721-3-3
Pollution Degree	2 conforming to EN 50178
Vibration Resistance	1 gn (f= 13...200 Hz) conforming to IEC 60068-2 1.5 mm peak to peak (f= 3...13 Hz) conforming to IEC 60068-2
Shock Resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Relative Humidity	0...95 %

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Ambient Air Temperature For Operation	40...50 °C (with current derating 1.5 % per °C) -10...40 °C (without current derating)
Ambient Air Temperature For Storage	-40...65 °C
Operating Altitude	<= 1000 m without current derating 1000...3000 m with current derating 1 % per 100 m

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

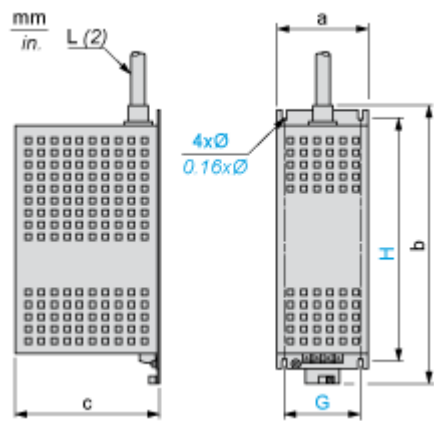
[Guide to assess a product's sustainability >](#)

Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
Eu Rohs Directive		
		Pro-active compliance (Product out of EU RoHS legal scope)
		EU RoHS Declaration
China Rohs Regulation		
		China RoHS declaration

Dimensions Drawings

Dimensions



(2) Length of the cable integrated in the sinus filter

Dimensions in mm

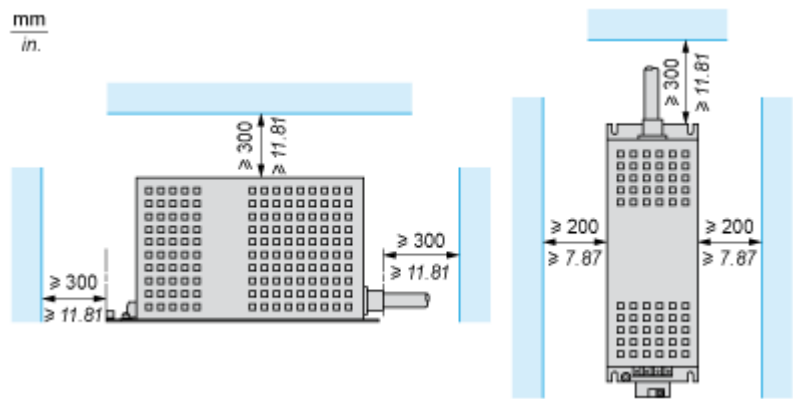
a	b	c	G	H	Ø	L (2)
120	405	190	100	350	6.6	900

Dimensions in in.

a	b	c	G	H	Ø	L (2)
4.72	15.94	7.48	3.94	13.78	0.26	35.43

Mounting and Clearance

Mounting Recommendations



Sinus filters emit considerable heat and must not be placed underneath the drive