

Product datasheet

Specifications



sinus filter - 66 A - for Altivar variable speed drive

VW3A5204

⚠ Discontinued on: 29 Jan 2021

⚠ Discontinued

Main

Product or component type	Sinus filter
Range compatibility	Altivar 71 Altivar 61
Product specific application	Output filter
[In] rated current	66 A
Thermal losses	180 W at 100 Hz
Product compatibility	ATV61HD11M3X ATV61HD15M3X ATV61HD18N4 ATV61HD22N4 ATV61HD30N4 ATV61WD18N4 ATV61WD18N4C ATV61WD22N4 ATV61WD22N4C ATV61WD30N4 ATV61WD30N4C ATV71HD11M3X ATV71HD15M3X ATV71HD18N4 ATV71HD22N4 ATV71HD30N4 ATV71WD18N4 ATV71WD22N4 ATV71WD30N4
Switching frequency	4...8 kHz
Maximum output frequency	100 Hz
maximum permissible voltage	500 V AC

Complementary

Maximum motor cable length	1000 m P motor 18.5 kW at 400 V 1000 m P motor 22 kW at 400 V 1000 m P motor 30 kW at 400 V
Electrical connection	Terminal 25 mm ² / AWG 2, 4 N.m
Maximum voltage drop at rated load	10 %
Max current	1.5 x nominal current (duration = 60 s)
Net weight	45 kg

Environment

IP degree of protection	IP20
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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

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 %
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

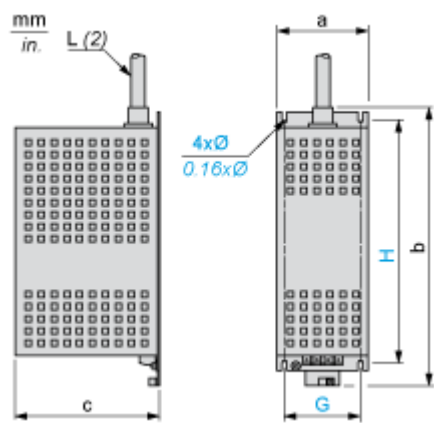
Materials and Substances	
EU RoHS Directive	Compliant

Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Dimensions



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

Dimensions in mm

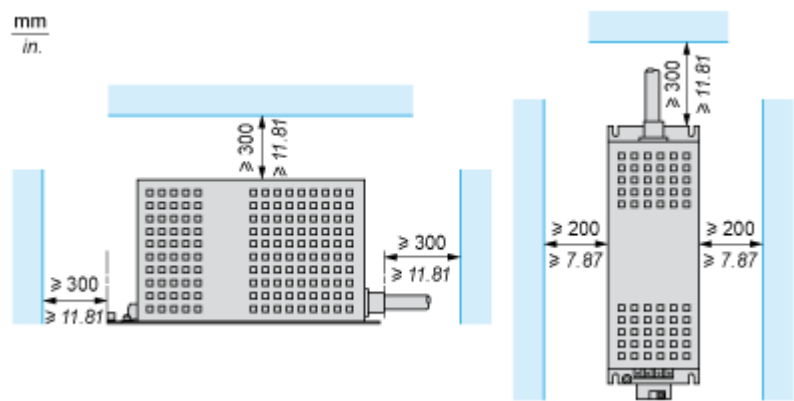
a	b	c	G	H	Ø	L (2)
210	650	280	160	530	8.6	1500

Dimensions in in.

a	b	c	G	H	Ø	L (2)
8.27	25.59	11.02	6.30	20.87	0.34	59.05

Mounting and Clearance

Mounting Recommendations



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