

Product data sheet

Specifications



sinus filter - 180 A - for Altivar variable speed drive

VW3A5206

-  **Discontinued on:** 19 Jul 2021
-  **End-of-service on:** 31 Dec 2021

 **Discontinued**

Main

Product or component type	Sinus filter
Range compatibility	Altivar 71 Altivar 61
Product specific application	Output filter
[In] rated current	180 A
Thermal losses	400 W at 100 Hz
Product compatibility	ATV61HD30M3X ATV61HD37M3X ATV61HD45M3X ATV61HD55N4 ATV61HD75N4 ATV61WD55N4 ATV61WD55N4C ATV61WD75N4 ATV61WD75N4C ATV71HD30M3X ATV71HD37M3X ATV71HD45M3X ATV71HD55N4 ATV71HD75N4 ATV71WD55N4 ATV71WD75N4
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 55 kW at 400 V 1000 m P motor 75 kW at 400 V
Electrical connection	Terminal 95 mm² / AWG 4/0, 20 N.m
Maximum voltage drop at rated load	10 %
Max current	1.5 x nominal current (duration = 60 s)
Product weight	120 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

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

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

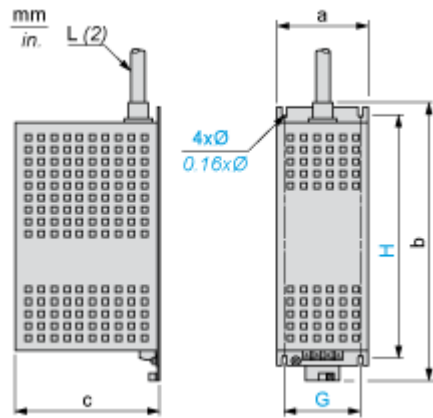
Materials and Substances	
EU RoHS Directive	Compliant

Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Dimensions



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

Dimensions in mm

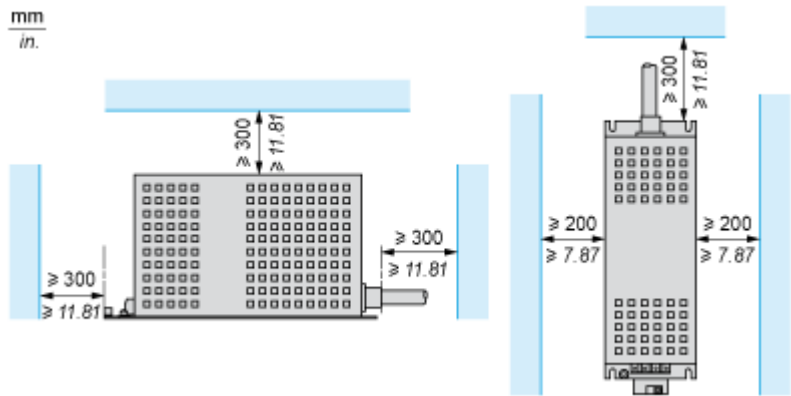
a	b	c	G	H	Ø	L (2)
310	1060	375	220	880	11	2700

Dimensions in in.

a	b	c	G	H	Ø	L (2)
12.20	41.73	14.76	8.66	34.64	0.43	106.30

Mounting and Clearance

Mounting Recommendations



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