

Product data sheet

Characteristics

VW3A5205

sinus filter - 95 A - for Altivar variable speed drive



Main

Product or component type	Sinus filter
Range compatibility	Altivar 71 Altivar 61
Product specific application	Output filter
[In] rated current	95 A
Thermal losses	250 W at 100 Hz
Product compatibility	ATV61HD18M3X ATV61HD22M3X ATV61HD37N4 ATV61HD45N4 ATV61WD37N4 ATV61WD37N4C ATV61WD45N4 ATV61WD45N4C ATV71HD18M3X ATV71HD22M3X ATV71HD37N4 ATV71HD45N4 ATV71WD37N4 ATV71WD45N4
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 37 kW at 400 V 1000 m P motor 45 kW at 400 V
Electrical connection	Terminal 50 mm ² / AWG 0, 6 N.m
Maximum voltage drop at rated load	10 %
Max current	1.5 x nominal current (duration = 60 s)
Net weight	60 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 %
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

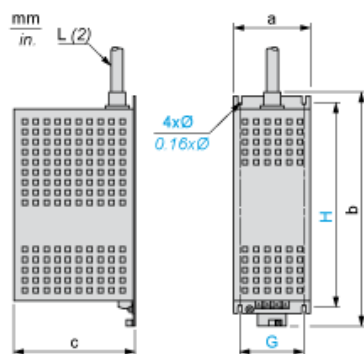
Offer Sustainability

REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes

Contractual warranty

Warranty	18 months
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Dimensions



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

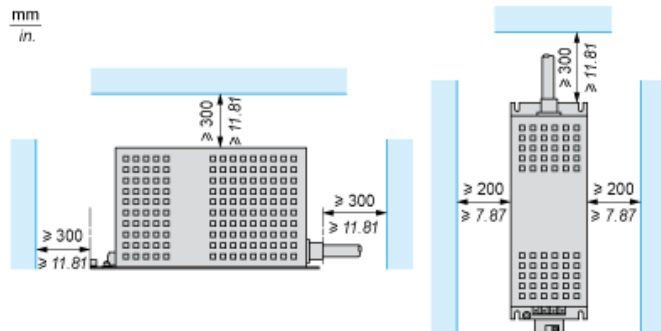
Dimensions in mm

a	b	c	G	H	Ø	L (2)
250	780	360	200	650	11	1600

Dimensions in in.

a	b	c	G	H	Ø	L (2)
9.84	30.71	14.17	7.87	25.59	0.43	62.99

Mounting Recommendations



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