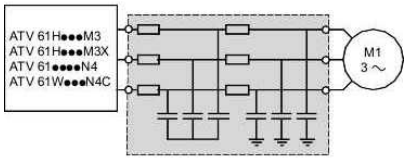
Product datasheet
Characteristics

VW3A5206
sinus filter - 180 A - for Altivar variable speed drive



Main

Product or component type	Sinus filter
Range compatibility	Altivar 61 Altivar 71
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
Output frequency	0...100 Hz
Permissible voltage	500 V AC

Complementary

Motor cable length	<= 1000 m P motor 55...75 kW at 400 V
Electrical connection	Terminal, connection capacity: 95 mm² (AWG 4/0) 20 N.m
Voltage drop at rated load	< 10 %
Max current	1.5 x nominal current for 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
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	<= 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

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