

Main

Product or component type	Sinus filter
Range compatibility	Altivar 71Q Altivar 61Q Altivar 71 Altivar 61
Product specific application	Output filter
[In] rated current	300 A
Thermal losses	1360 W at 100 Hz
Product compatibility	ATV61HC13N4 ATV61HC16N4 ATV61HD55M3X ATV61HD75M3X ATV61QC13N4 ATV61QC16N4 ATV71HC13N4 ATV71HC16N4 ATV71HD55M3X ATV71HD75M3X ATV71QC13N4 ATV71QC16N4
Switching frequency	4...8 kHz
Maximum output frequency	100 Hz
Maximum permissible voltage	500 V AC

Complementary

Electrical connection	Bare wires diameter: 11 mm
Maximum voltage drop at rated load	10 %
Max current	1.5 x nominal current (duration = 60 s)
Net weight	165 kg

Environment

IP degree of protection	IP00
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 Regulation	REACH Declaration
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