

Product datasheet

Specifications



line choke - 0.038 mH - 509 A - 3
phases - 280 W - for variable speed
drive

VW3A4563

⚠ Discontinued on: 1 Nov 2020

⚠ Discontinued

Main

Range of product	Altivar
Product or component type	Line choke
Product compatibility	ATV61QC50N4 - line choke - 2 per drive ATV71HD75M3X - line choke - 2 per drive ATV71QC40N4 - line choke - 1 per drive
number of phases	Three phase
Range compatibility	Altivar 71 Altivar 61Q Altivar 71Q
Device application	Reduction of current harmonics
Value of inductance	0.038 mH
[In] rated current	509 A
Saturation current	1025 A
Thermal losses	280 W
Electrical connection	Bare wires diameter: 13 mm

Complementary

power supply frequency	50...60 Hz
Max current	1.65 x nominal current (duration = 60 s)
Maximum voltage drop at rated load	5 %
Electrical insulation class	Class F
Minimum clearance distance	5.5 mm IEC 60664
Leakage distance	11.5 mm conforming to IEC 60664
Net weight	59 kg

Environment

Standards	VDE 0160 level 1 IEC 60076 (with HD398) EN 50178
IP degree of protection	Choke: IP00 Terminals: 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 60068-2-6 1.5 mm peak to peak (f= 3...13 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Relative humidity	0...95 %
Ambient air temperature for operation	45...55 °C (with current derating of 2 % per °C) 0...45 °C (without current derating)
Ambient air temperature for storage	-25...70 °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
Package 1 Height	42.000 cm
Package 1 Width	38.000 cm
Package 1 Length	58.000 cm
Package 1 Weight	70.000 kg
Unit Type of Package 2	P06
Number of Units in Package 2	2
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	147.000 kg

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