

Product datasheet

Specifications



line choke - 0.12 mH - 222 A - 3
phases - 278 W - for variable speed
drive

VW3A4559

⚠ Discontinued on: 31 Dec 2023

⚠ Discontinued

Main

Range of product	Altivar
Product or component type	Line choke
Product compatibility	ATV61HC11N4D - line choke - 1 per drive ATV61QC11N4 - line choke - 1 per drive ATV71HC11N4 - line choke - 1 per drive ATV71HD90N4 - line choke - 1 per drive ATV71QD90N4 - line choke - 1 per drive ATV61HD55M3X - line choke - 1 per drive
number of phases	Three phase
Range compatibility	Altivar 61 Altivar 61Q Altivar 71Q Altivar 71
Device application	Reduction of current harmonics
Value of inductance	0.12 mH
[In] rated current	222 A
Saturation current	346 A
Thermal losses	278 W
Electrical connection	Bare wires diameter: 11 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	35 kg
Width	320 mm
Height	380 mm
Depth	210 mm

Environment

Standards	IEC 60076 (with HD398) EN 50178 VDE 0160 level 1
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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

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	48.0 cm
Package 1 Width	38.0 cm
Package 1 Length	58.0 cm
Package 1 Weight	53.2 kg
Unit Type of Package 2	P06
Number of Units in Package 2	2
Package 2 Height	62.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	115.0 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