

Product datasheet

Specifications



line/motor choke - 1 mH - 31 A - 3
phases - 90 W - for variable speed
drive

VW3A4554

Main

Range of product	Altivar
Product or component type	Line/motor choke

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

Product compatibility	Variable speed drive ATV310 motor: 7.5 kW - motor choke - 1 per drive
	ATV31CD11N4 - line choke - 1 per drive
	Variable speed drive ATV320 motor: 15 kW 525...600 V - three phase - motor choke - 1 per drive
	ATV312HU55M3 - line choke - 1 per drive
	LXM32.D30N4 - line choke - 1 per drive
	ATV71HD18Y - line choke - 1 per drive
	ATV312HD15S6 - motor choke - 1 per drive
	ATV312HD11S6 - motor choke - 1 per drive
	ATV312HD15N4 - line choke - 1 per drive
	ATV61WD11N4C - line choke - 1 per drive
	ATV61HD15N4 - line choke - 1 per drive
	ATV71WD15N4 - line choke - 1 per drive
	Variable speed drive ATV340 motor: 7.5 kW 380...480 V - line choke - 1 per drive
	Variable speed drive ATV930 motor: 18.5 kW 500...690 V - three phase - line choke - 1 per drive
	LXM32MC10N4 - line choke - 1 per drive
	ATV312HD11N4 - motor choke - 1 per drive
	Variable speed drive ATV320 motor: 5.5 kW 200...240 V - three phase - line choke - 1 per drive
	Variable speed drive ATV320 motor: 7.5 kW 380...500 V - three phase - motor choke - 1 per drive
	Variable speed drive ATV310 motor: 11 kW - line choke - 1 per drive
	ATV312HU40M3 - line choke - 1 per drive
	Variable speed drive ATV320 motor: 5.5 kW 200...240 V - three phase - motor choke - 1 per drive
	ATV312HU40M3 - motor choke - 1 per drive
	ATV61HD22Y - line choke - 1 per drive
	Variable speed drive ATV340 motor: 11 kW 380...480 V - line choke - 1 per drive
	ATV32HD11N4 - motor choke - 1 per drive
	Variable speed drive ATV930 motor: 600 V - three phase - line choke - 25 hp - 1 per drive
	LXM32.D18N4 - line choke - 1 per drive
	Variable speed drive ATV320 motor: 15 kW 380...500 V - three phase - line choke - 1 per drive
	ATV61HU55M3 - line choke - 1 per drive
	ATV32HD11N4 - line choke - 1 per drive
	ATV12PU40M3 - motor choke - 1 per drive
	Variable speed drive ATV340 motor: 15 kW 380...480 V - line choke - 1 per drive
	LXM32.D72N4 - line choke - 1 per drive
	ATV312HU75N4 - motor choke - 1 per drive
	Variable speed drive ATV320 motor: 11 kW 380...500 V - three phase - line choke - 1 per drive
	ATV61WD11N4 - line choke - 1 per drive
	ATV61HD11N4 - line choke - 1 per drive
	ATV71WD11N4 - line choke - 1 per drive
	ATV31CU75N4 - motor choke - 1 per drive
	Variable speed drive ATV630 motor: 600 V - three phase - line choke - 30 hp - 1 per drive
	Variable speed drive ATV320 motor: 4 kW 200...240 V - three phase - motor choke - 1 per drive
	ATV312HU75M3 - line choke - 1 per drive
	ATV61WD15N4 - line choke - 1 per drive
	Variable speed drive ATV320 motor: 15 kW 525...600 V - three phase - line choke - 1 per drive
	Variable speed drive ATV630 motor: 600 V - three phase - line choke - 25 hp - 1 per drive
	ATV31CD15N4 - line choke - 1 per drive
	ATV71PD11N4Z - line choke - 1 per drive
	ATV312HD11N4 - line choke - 1 per drive
	Variable speed drive ATV320 motor: 11 kW 380...500 V - three phase - motor choke - 1 per drive
	ATV312HD15S6 - line choke - 1 per drive
	Variable speed drive ATV320 motor: 7.5 kW 200...240 V - three phase - line choke - 1 per drive
	ATV61HD18Y - line choke - 1 per drive
	Variable speed drive ATV630 motor: 18.5 kW 500...690 V - three phase - line choke - 1 per drive
	ATV32HD15N4 - line choke - 1 per drive
	ATV71HU40M3 - line choke - 1 per drive
	Variable speed drive ATV310 motor: 7.5 kW - line choke - 1 per drive
	Variable speed drive ATV930 motor: 600 V - three phase - line choke - 30 hp - 1 per drive
	Variable speed drive ATV320 motor: 4 kW 200...240 V - three phase - line choke - 1 per drive
	ATV312HU55M3 - motor choke - 1 per drive
	Variable speed drive ATV320 motor: 7.5 kW 200...240 V - three phase - motor choke - 1 per drive
	ATV312HU75M3 - motor choke - 1 per drive
	ATV61HU40M3 - line choke - 1 per drive

Variable speed drive ATV930 motor: 22 kW 500...690 V - three phase - line choke - 1 per drive
ATV32HU75N4 - motor choke - 1 per drive
Variable speed drive ATV310 motor: 11 kW - motor choke - 1 per drive
LXM32MD85N4 - line choke - 1 per drive
ATV71HD11N4 - line choke - 1 per drive
Variable speed drive ATV320 motor: 11 kW 525...600 V - three phase - line choke - 1 per drive
ATV71HD22Y - line choke - 1 per drive
ATV31CD11N4 - motor choke - 1 per drive
ATV71HD15N4 - line choke - 1 per drive
Variable speed drive ATV630 motor: 22 kW 500...690 V - three phase - line choke - 1 per drive
ATV71HU55M3 - line choke - 1 per drive
ATV12HU40M3 - motor choke - 1 per drive
Variable speed drive ATV320 motor: 11 kW 525...600 V - three phase - motor choke - 1 per drive
ATV61WD15N4C - line choke - 1 per drive

number of phases	Three phase
Range compatibility	Lexium 32 Altivar 312 Solar Easy Altivar 310 Altivar 12 Lexium 62 Altivar 71 Altivar Machine ATV340 Altivar Machine ATV320 Altivar Process ATV900 Altivar 31C Altivar 61 Lexium 52 Altivar 32 Altivar 312 Altivar Process ATV600 Easy Altivar 310L
Device application	Reduction of current harmonics Reduction of overvoltages at motor terminals
Value of inductance	1 mH
[In] rated current	31 A
Thermal losses	90 W
Electrical connection	Terminal 16 mm² / AWG 4, 1.2...1.4 N.m

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	6 kg
Width	155 mm
Height	170 mm
Depth	135 mm

Environment

Standards	EN 50178 IEC 60076 (with HD398) VDE 0160 level 1
IP degree of protection	Choke: IP00 Terminals: IP10
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	21.500 cm
Package 1 Width	25.000 cm
Package 1 Length	26.500 cm
Package 1 Weight	6.022 kg
Unit Type of Package 2	S06
Number of Units in Package 2	12
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	85.252 kg

Contractual warranty

Warranty	18 months
----------	-----------

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

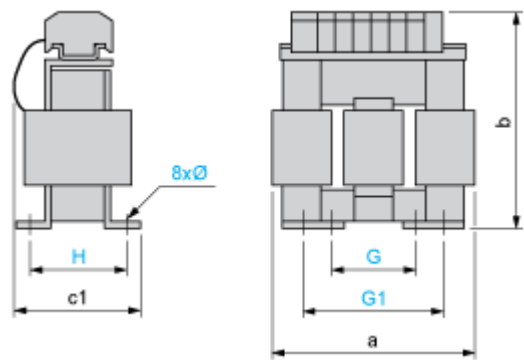
[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
Eu Rohs Directive		Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation		China RoHS declaration

Dimensions



Dimensions in mm

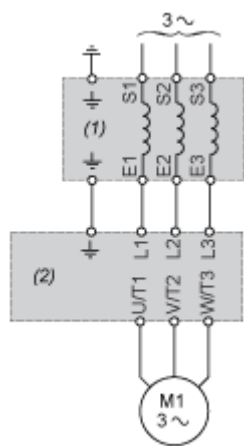
a	b	c1	G	G1	H	Ø
155	170	135	75	107	90	6 x 12

Dimensions in in.

a	b	c1	G	G1	H	Ø
6.10	6.69	5.31	2.95	4.21	3.54	0.24 x 0.47

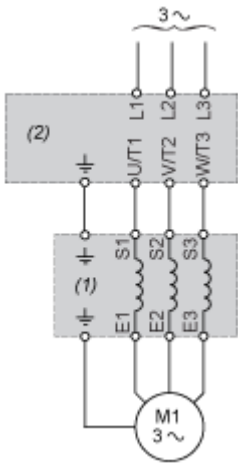
Connections and Schema

Recommended Schema - Line Choke



- (1) Line Choke
- (2) Drive

Recommended Schema - Motor Choke



- (1) Motor Choke
- (2) Drive