

Product data sheet

Specifications



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

VW3A4554

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product Altivar

Product or Component Type Line/motor choke

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

LXM32MD85N4 - line choke - 1 per drive
ATV71HD11N4 - line choke - 1 per drive
Variable speed drive ATV320 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 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 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
Line Rated Current	31 A
Thermal losses	90 W
Electrical connection	Terminal 16 mm ² / AWG 4, 10.6...12.4 lbf.in (1.2...1.4 N.m)

Complementary

power supply frequency	50...60 Hz
Max current	1.65 x nominal current 60 s)
Maximum voltage drop at rated load	5 %
Electrical Insulation Class	Class F
Minimum clearance distance	0.2 in (5.5 mm) IEC 60664
Leakage distance	0.5 in (11.5 mm) IEC 60664
Product Weight	13.2 lb(US) (6 kg)
Width	6.1 in (155 mm)
Height	6.7 in (170 mm)
Depth	5.3 in (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 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 11 ms IEC 60068-2-27
Relative humidity	0...95 %
Ambient air temperature for operation	113...131 °F (45...55 °C) (with current derating of 2 % per °C) 32...113 °F (0...45 °C) (without current derating)

Ambient Air Temperature for Storage	-13...158 °F (-25...70 °C)
Operating altitude	<= 3280.84 ft (1000 m) without current derating 3280.84...9842.52 ft (1000...3000 m) with current derating 1 % per 100 m

Ordering and shipping details

Category	US1CP4B22154
Discount Schedule	CP4B
GTIN	3389118065932
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.46 in (21.500 cm)
Package 1 Width	9.84 in (25.000 cm)
Package 1 Length	10.43 in (26.500 cm)
Package weight(Lbs)	13.276 lb(US) (6.022 kg)
Unit Type of Package 2	S06
Number of Units in Package 2	12
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	23.62 in (60.000 cm)
Package 2 Length	31.50 in (80.000 cm)
Package 2 Weight	187.949 lb(US) (85.252 kg)

Contractual warranty

Warranty	18 months
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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

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	4934d727-4a01-454e-b001-ddcc449d383b
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

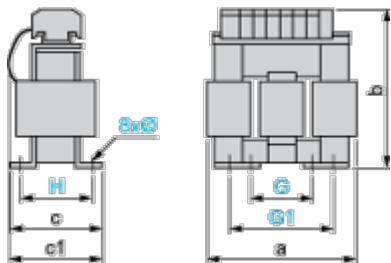
Use Again

Repack and remanufacture

Take-back	No
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Dimensions Drawings

Dimensions



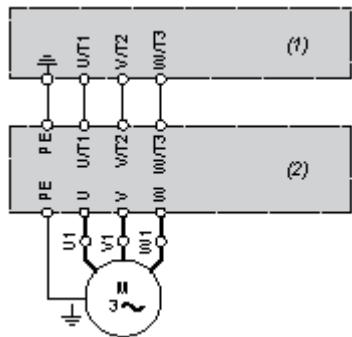
Dimensions in mm

a	b	c	c1	G	G1	H	Ø
155	170	115	135	75	107	90	6 x 12

Dimensions in in.

a	b	c	c1	G	G1	H	Ø
6.10	6.69	4.53	5.31	2.95	4.21	3.54	0.24 x 0.47

Connections and Schema

Recommended Scheme

(1) Drive

(2) Filter