



VW3A4554

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



Main

Range of product	Altivar
Product or component type	Line/motor choke
Product compatibility	<p>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</p>

Range compatibility	Lexium 32 Altivar 312 Solar Altivar Easy 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
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 mm ² / 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

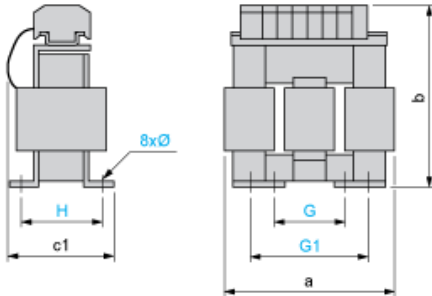
Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration

Contractual warranty

Warranty	18 months
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Dimensions



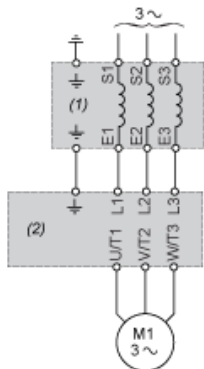
Dimensions in mm

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

Dimensions in in.

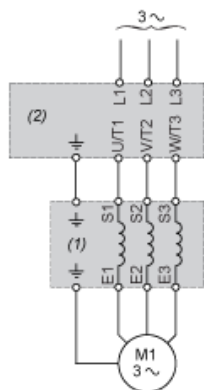
a	b	c1	G	G1	H	Ø
6.10	6.69	5.31	2.95	4.21	3.54	0.24 x 0.47

Recommended Schema - Line Choke



- (1) Line Choke
- (2) Drive

Recommended Schema - Motor Choke



- (1) Motor Choke
- (2) Drive