

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	Variable speed drive ATV320...B motor : 11 kW - 380...500 V - three phase - motor choke - 1 per drive Variable speed drive ATV320...B motor : 7.5 kW - 380...500 V - three phase - motor choke - 1 per drive Variable speed drive ATV320...B motor : 15 kW - 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320...B motor : 11 kW - 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV310 motor : 11 kW - motor choke - 1 per drive Variable speed drive ATV310 motor : 7.5 kW - motor choke - 1 per drive Variable speed drive ATV310 motor : 11 kW - line choke - 1 per drive Variable speed drive ATV310 motor : 7.5 kW - line choke - 1 per drive LXM32MC10N4 - line choke - 1 per drive LXM32MD85N4 - line choke - 1 per drive ATV71WD15N4 - line choke - 1 per drive ATV71WD11N4 - line choke - 1 per drive ATV71PD11N4Z - line choke - 1 per drive ATV32HU75N4 - motor choke - 1 per drive ATV32HD15N4 - line choke - 1 per drive ATV32HD11N4 - motor choke - 1 per drive ATV32HD11N4 - line choke - 1 per drive LXM32.D18N4 - line choke - 1 per drive ATV12PU40M3 - motor choke - 1 per drive ATV12HU40M3 - motor choke - 1 per drive ATV312HD11S6 - motor choke - 1 per drive ATV312HU75N4 - motor choke - 1 per drive ATV312HU75M3 - motor choke - 1 per drive ATV312HU55M3 - motor choke - 1 per drive ATV312HU40M3 - motor choke - 1 per drive ATV312HD15S6 - motor choke - 1 per drive ATV312HD11N4 - motor choke - 1 per drive LXM32.D72N4 - line choke - 1 per drive LXM32.D30N4 - line choke - 1 per drive ATV312HU75M3 - line choke - 1 per drive ATV312HU55M3 - line choke - 1 per drive ATV312HU40M3 - line choke - 1 per drive ATV312HD15S6 - line choke - 1 per drive ATV312HD15N4 - line choke - 1 per drive ATV312HD11N4 - line choke - 1 per drive ATV71HU55M3 - line choke - 1 per drive ATV71HU40M3 - line choke - 1 per drive ATV71HD22Y - line choke - 1 per drive ATV71HD18Y - line choke - 1 per drive ATV71HD15N4 - line choke - 1 per drive ATV71HD11N4 - line choke - 1 per drive ATV61WD15N4C - line choke - 1 per drive ATV61WD15N4 - line choke - 1 per drive ATV61WD11N4C - line choke - 1 per drive ATV61WD11N4 - line choke - 1 per drive ATV61HD22Y - line choke - 1 per drive ATV61HD18Y - line choke - 1 per drive ATV61HD15N4 - line choke - 1 per drive ATV61HD11N4 - line choke - 1 per drive ATV31CU75N4 - motor choke - 1 per drive ATV31CD15N4 - line choke - 1 per drive ATV31CD11N4 - motor choke - 1 per drive ATV61HU55M3 - line choke - 1 per drive ATV61HU40M3 - line choke - 1 per drive ATV31CD11N4 - line choke - 1 per drive
Number of phases	Three phase

Range compatibility	Altivar 12 Altivar 312 Altivar 61 Altivar 71 Altivar 32 Lexium 32 Altivar 31C Altivar 312 Solar Altivar Easy 310 Lexium 52 Lexium 62 Altivar Machine ATV320
Product specific application	Reduction of overvoltages at motor terminals Reduction of current harmonics
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 for 60 s
Voltage drop at rated load	3...5 %
Electrical insulation class	Class F
Clearance distance	5.5 mm conforming to IEC 60664
Leakage distance	11.5 mm conforming to IEC 60664
Product weight	6 kg
Width	155 mm
Height	170 mm
Depth	135 mm

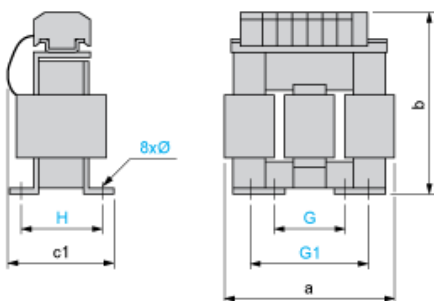
Environment

Standards	EN 50178 IEC 60076 (with HD398) VDE 0160 level 1
IP degree of protection	IP10 (terminals) IP00 (choke)
Environmental characteristic	3S1 conforming to IEC 721-3-3 3C2 conforming to IEC 721-3-3 3B1 conforming to IEC 721-3-3
Pollution degree	2 conforming to EN 50178
Vibration resistance	1.5 mm peak to peak (f = 3...13 Hz) conforming to IEC 60068-2-6 1 gn (f = 13...200 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Relative humidity	<= 95 %
Ambient air temperature for operation	0...45 °C without current derating > 45...< 55 °C with current derating of 2 % per °C
Ambient air temperature for storage	-25...70 °C
Operating altitude	1000...3000 m with current derating 1 % per 100 m <= 1000 m without current derating

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0801 - Schneider Electric declaration of conformity

Dimensions



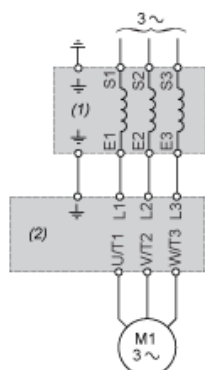
Dimensions in mm

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

Dimensions in in.

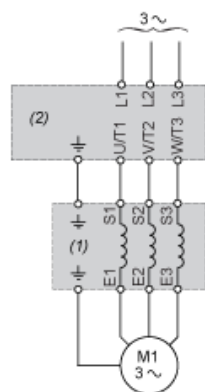
a	b	c1	G	G1	H	Ø
6.10	6.69	5.31	2.95	4.21	3.54	0.24 x 0.47

Recommended Schema - Line Choke



- (1) Line Choke
- (2) Drive

Recommended Schema - Motor Choke



- (1) Motor Choke
- (2) Drive