

VW3A4552

line/motor choke - 4 mH - 10 A - 3 phases - 65 W -
for variable speed drive



Main

Range of product	Altivar
Product or component type	Line/motor choke
Product compatibility	ATV31CU22N4 - line choke - 1 per drive ATV31CU22N4 - motor choke - 1 per drive ATV31CU30N4 - line choke - 1 per drive ATV31CU30N4 - motor choke - 1 per drive ATV31CU40N4 - line choke - 1 per drive ATV31CU40N4 - motor choke - 1 per drive ATV61HU15M3 - line choke - 1 per drive ATV61HU22M3 - line choke - 1 per drive ATV61HU22N4 - line choke - 2 per drive ATV61HU30N4 - line choke - 1 per drive ATV61HU40N4 - line choke - 1 per drive ATV61HU75Y - line choke - 1 per drive ATV61WU22N4 - line choke - 1 per drive ATV61WU22N4C - line choke - 1 per drive ATV61WU30N4 - line choke - 1 per drive ATV61WU30N4C - line choke - 1 per drive ATV61WU40N4 - line choke - 1 per drive ATV61WU40N4C - line choke - 2 per drive ATV71HD55Y - line choke - 2 per drive ATV71HD75Y - line choke - 1 per drive ATV71HU15M3 - line choke - 1 per drive ATV71HU22M3 - line choke - 1 per drive ATV71HU22N4 - line choke - 1 per drive ATV71HU30N4 - line choke - 1 per drive ATV71HU40N4 - line choke - 1 per drive ATV71PU22N4Z - line choke - 1 per drive ATV71PU30N4Z - line choke - 1 per drive ATV71PU40N4Z - line choke - 2 per drive ATV71WU22N4 - line choke - 1 per drive ATV71WU30N4 - line choke - 1 per drive ATV71WU40N4 - line choke - 1 per drive LXM05D17M3X - line choke - 1 per drive LXM05D34N4 - line choke - 1 per drive LXM05D57N4 - line choke - 1 per drive ATV12H075F1 - motor choke - 1 per drive ATV12H075M2 - motor choke - 1 per drive ATV12H075M3 - motor choke - 1 per drive ATV12HU15M2 - motor choke - 1 per drive ATV12HU15M3 - motor choke - 1 per drive ATV12P075M2 - motor choke - 1 per drive ATV312HU11M3 - line choke - 1 per drive ATV312HU15M3 - line choke - 1 per drive ATV312HU22N4 - line choke - 1 per drive ATV312HU30N4 - line choke - 1 per drive ATV312HU40N4 - line choke - 1 per drive ATV312HU40S6 - line choke - 1 per drive ATV312HU55S6 - line choke - 1 per drive ATV61HU40Y - line choke - 1 per drive ATV61HU55Y - line choke - 1 per drive ATV71HU40Y - line choke - 1 per drive ATV71HU55S6X - line choke - 1 per drive ATV312HU22N4 - motor choke - 1 per drive ATV312HU30N4 - motor choke - 1 per drive ATV312HU40N4 - motor choke - 1 per drive ATV312HU40S6 - motor choke - 1 per drive ATV312HU55S6 - motor choke - 1 per drive ATV12P075M3 - motor choke - 1 per drive ATV12PU15M3 - motor choke - 1 per drive ATV61HU30S6X - line choke - 1 per drive ATV61HU40S6X - line choke - 1 per drive ATV61HU55S6X - line choke - 1 per drive ATV71HU30S6X - line choke - 1 per drive ATV71HU40S6X - line choke - 1 per drive ATV32HU22N4 - motor choke - 1 per drive ATV32HU30N4 - motor choke - 1 per drive ATV32HU40N4 - motor choke - 1 per drive

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

ATV32HU22N4 - line choke - 1 per drive
 ATV32HU30N4 - line choke - 1 per drive
 ATV32HU40N4 - line choke - 1 per drive
 Variable speed drive ATV310 motor : 1.5 kW - line choke - 1 per drive
 Variable speed drive ATV310 motor : 2.2 kW - line choke - 1 per drive
 Variable speed drive ATV310 motor : 3 kW - line choke - 1 per drive
 Variable speed drive ATV310 motor : 2.2 kW - motor choke - 1 per drive
 Variable speed drive ATV310 motor : 3 kW - motor choke - 1 per drive
 Variable speed drive ATV310 motor : 4 kW - motor choke - 1 per drive
 Variable speed drive ATV340 motor : 1.5 kW - 380...480 V - line choke - 1 per drive
 Variable speed drive ATV340 motor : 2.2 kW - 380...480 V - line choke - 1 per drive
 Variable speed drive ATV340 motor : 3 kW - 380...480 V - line choke - 1 per drive
 Variable speed drive ATV340 motor : 4 kW - 380...480 V - line choke - 1 per drive
 Variable speed drive ATV320 motor : 2.2 kW - 380...500 V - three phase - line choke - 1 per drive
 Variable speed drive ATV320 motor : 0.18 kW - 200...240 V - single phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 0.55 kW - 200...240 V - single phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 0.55 kW - 380...500 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 1.1 kW - 200...240 V - three phase - line choke - 1 per drive
 Variable speed drive ATV320 motor : 1.1 kW - 200...240 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 4 kW - 525...600 V - three phase - line choke - 1 per drive
 Variable speed drive ATV320 motor : 5.5 kW - 525...600 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 0.75 kW - 200...240 V - single phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 1.1 kW - 200...240 V - single phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 1.5 kW - 200...240 V - single phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 0.37 kW - 380...500 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 0.18 kW - 200...240 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 0.37 kW - 200...240 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 0.55 kW - 200...240 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 4 kW - 380...500 V - three phase - line choke - 1 per drive
 Variable speed drive ATV320 motor : 1.1 kW - 380...500 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 1.5 kW - 380...500 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 2.2 kW - 380...500 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 3 kW - 380...500 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 4 kW -

380...500 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 0.75 kW - 525...600 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 1.5 kW - 525...600 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 2.2 kW - 525...600 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 4 kW - 525...600 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 3 kW - 380...500 V - three phase - line choke - 1 per drive
 Variable speed drive ATV320 motor : 0.37 kW - 200...240 V - single phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 0.75 kW - 380...500 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 1.5 kW - 200...240 V - three phase - line choke - 1 per drive
 Variable speed drive ATV320 motor : 0.75 kW - 200...240 V - three phase - motor choke - 1 per drive
 Variable speed drive ATV320 motor : 1.5 kW - 200...240 V - three phase - motor choke - 1 per drive

Network number of phases	Three phase
Range compatibility	Altivar 12 Altivar 312 Altivar 61 Altivar 71 Lexium 05 Altivar 32 Altivar 31C Altivar 312 Solar Altivar Easy 310 Lexium 62 Altivar Machine ATV320 Altivar Machine ATV340
Device application	Reduction of current harmonics Reduction of overvoltages at motor terminals
Value of inductance	4 mH
[In] rated current	10 A
Thermal losses	65 W
Electrical connection	Terminal 2.5 mm ² / AWG 12, 0.4...0.6 N.m

Complementary

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	3 kg
Width	130 mm
Height	155 mm
Depth	90 mm

Environment

standards	EN 50178 IEC 60076 (with HD398) VDE 0160 level 1
IP degree of protection	IP00 (choke) IP20 (terminals)

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	1.5 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	> 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

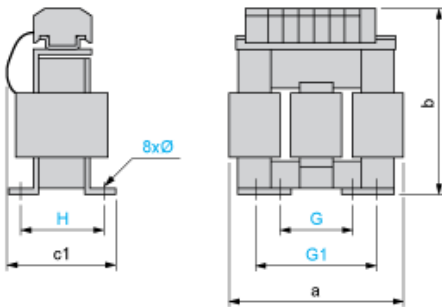
Offer Sustainability

Sustainable offer status	Not Green Premium product
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Contractual warranty

Warranty period	18 months
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Dimensions



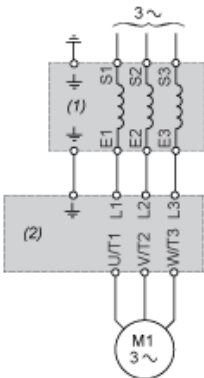
Dimensions in mm

a	b	c1	G	G1	H	Ø
130	155	90	60	80.5	62	6 x 12

Dimensions in in.

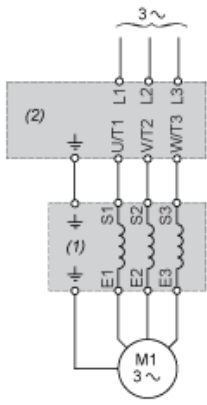
a	b	c1	G	G1	H	Ø
5.12	6.10	3.54	2.36	3.17	2.44	0.24 x 0.47

Recommended Schema - Line Choke



- (1) Line Choke
(2) Drive

Recommended Schema - Motor Choke



- (1) Motor Choke
- (2) Drive