

Product datasheet

Specifications



line/motor choke - 2 mH - 17 A - 3
phases - 75 W - for variable speed
drive

VW3A4553

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 ATV340 motor: 4 kW 380...480 V - line choke - 1 per drive |
| | ATV31CU22M2 - motor choke - 1 per drive |
| | ATV31CU55N4 - line choke - 1 per drive |
| | ATV31CU55N4 - motor choke - 1 per drive |
| | ATV31CU75N4 - line choke - 1 per drive |
| | ATV61HD11Y - line choke - 1 per drive |
| | ATV61HD15Y - line choke - 1 per drive |
| | ATV61HU30M3 - line choke - 1 per drive |
| | ATV61HU55N4 - line choke - 1 per drive |
| | ATV61HU75N4 - line choke - 1 per drive |
| | ATV61WU55N4 - line choke - 1 per drive |
| | ATV61WU55N4C - line choke - 1 per drive |
| | ATV61WU75N4 - line choke - 1 per drive |
| | ATV61WU75N4C - line choke - 1 per drive |
| | ATV71HD11Y - line choke - 1 per drive |
| | ATV71HD15Y - line choke - 1 per drive |
| | ATV71HU30M3 - line choke - 1 per drive |
| | ATV71HU55N4 - line choke - 1 per drive |
| | ATV71HU75N4 - line choke - 1 per drive |
| | ATV71PU55N4Z - line choke - 1 per drive |
| | ATV71PU75N4Z - line choke - 1 per drive |
| | ATV71WU55N4 - line choke - 1 per drive |
| | ATV71WU75N4 - line choke - 1 per drive |
| | LXM05D42M3X - line choke - 1 per drive |
| | ATV12HU22M2 - motor choke - 1 per drive |
| | ATV12HU22M3 - motor choke - 1 per drive |
| | ATV312HD11S6 - line choke - 1 per drive |
| | ATV312HU22M3 - line choke - 1 per drive |
| | ATV312HU30M3 - line choke - 1 per drive |
| | ATV312HU55N4 - line choke - 1 per drive |
| | ATV312HU75N4 - line choke - 1 per drive |
| | ATV312HU75S6 - line choke - 1 per drive |
| | ATV71HU75S6X - line choke - 1 per drive |
| | ATV312HU22M3 - motor choke - 1 per drive |
| | ATV312HU30M3 - motor choke - 1 per drive |
| | ATV312HU55N4 - motor choke - 1 per drive |
| | ATV312HU75S6 - motor choke - 1 per drive |
| | ATV312HU22M2 - motor choke - 1 per drive |
| | ATV12HU30M3 - motor choke - 1 per drive |
| | ATV12PU22M3 - motor choke - 1 per drive |
| | ATV12PU30M3 - motor choke - 1 per drive |
| | ATV61HU75S6X - line choke - 1 per drive |
| | ATV32HU55N4 - line choke - 1 per drive |
| | ATV32HU75N4 - line choke - 1 per drive |
| | ATV32HU22M2 - motor choke - 1 per drive |
| | ATV32HU55N4 - motor choke - 1 per drive |
| | LXM32.D12N4 - line choke - 1 per drive |
| | LXM32.U60N4 - line choke - 1 per drive |
| | Variable speed drive ATV310 motor: 4 kW - line choke - 1 per drive |
| | Variable speed drive ATV310 motor: 5.5 kW - line choke - 1 per drive |
| | Variable speed drive ATV310 motor: 5.5 kW - motor choke - 1 per drive |
| | Variable speed drive ATV340 motor: 5.5 kW 380...480 V - line choke - 1 per drive |
| | Variable speed drive ATV340 motor: 7.5 kW 380...480 V - line choke - 1 per drive |
| | Variable speed drive ATV320 motor: 5.5 kW 380...500 V - three phase - line choke - 1 per drive |
| | Variable speed drive ATV320 motor: 7.5 kW 380...500 V - three phase - line choke - 1 per drive |
| | Variable speed drive ATV320 motor: 2.2 kW 200...240 V - single phase - motor choke - 1 per drive |
| | Variable speed drive ATV320 motor: 5.5 kW 380...500 V - three phase - motor choke - 1 per drive |
| | Variable speed drive ATV320 motor: 2.2 kW 200...240 V - three phase - line choke - 1 per drive |
| | Variable speed drive ATV320 motor: 3 kW 200...240 V - three phase - line choke - 1 per drive |
| | Variable speed drive ATV320 motor: 2.2 kW 200...240 V - three phase - motor choke - 1 per drive |
| | Variable speed drive ATV320 motor: 3 kW 200...240 V - three phase - motor choke - 1 per drive |
| | Variable speed drive ATV320 motor: 5.5 kW 525...600 V - three phase - line choke - 1 per drive |
| | Variable speed drive ATV320 motor: 7.5 kW 525...600 V - three phase - line choke - 1 per drive |
| | Variable speed drive ATV320 motor: 7.5 kW 525...600 V - three phase - motor choke - 1 per drive |
| | Variable speed drive ATV630 motor: 11 kW 500...690 V - three phase - line choke - 1 per drive |
| | Variable speed drive ATV630 motor: 15 kW 500...690 V - three phase - line choke - 1 per drive |
| | Variable speed drive ATV930 motor: 11 kW 500...690 V - three phase - line choke - 1 |

per drive
Variable speed drive ATV930 motor: 15 kW 500...690 V - three phase - line choke - 1
per drive
Variable speed drive ATV630 motor: 600 V - three phase - line choke - 10 hp - 1 per
drive
Variable speed drive ATV630 motor: 600 V - three phase - line choke - 15 hp - 1 per
drive
Variable speed drive ATV930 motor: 600 V - three phase - line choke - 10 hp - 1 per
drive
Variable speed drive ATV930 motor: 600 V - three phase - line choke - 15 hp - 1 per
drive
Variable speed drive ATV310L motor: 0.75 kW
Variable speed drive ATV310L motor: 1.5 kW
Variable speed drive ATV310L motor: 2.2 kW
Variable speed drive ATV310L motor: 3.0 kW
Variable speed drive ATV310L motor: 4.0 kW
Variable speed drive ATV310L motor: 5.5 kW

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|-----------------------|--|
| number of phases | Three phase |
| Range compatibility | Altivar 61 Altivar Process ATV900 Lexium 05 Altivar 312 Solar Altivar Process ATV600 Altivar 32 Altivar 71 Lexium 62 Easy Altivar 310 Altivar 12 Altivar 31C Lexium 52 Altivar 312 Lexium 32 Altivar Machine ATV320 Altivar Machine ATV340 Easy Altivar 310L |
| Device application | Reduction of current harmonics Reduction of overvoltages at motor terminals |
| Value of inductance | 2 mH |
| [In] rated current | 17 A |
| Thermal losses | 75 W |
| Electrical connection | Terminal 6 mm² / AWG 8, 0.8...1 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 | 3.5 kg |
| Width | 130 mm |
| Height | 155 mm |
| Depth | 90 mm |

Environment

| | |
|---------------------------------------|---|
| Standards | VDE 0160 level 1 EN 50178 IEC 60076 (with HD398) |
| IP degree of protection | Choke: IP00 Terminals: IP20 |
| 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 | 19.000 cm |
| Package 1 Width | 24.000 cm |
| Package 1 Length | 25.000 cm |
| Package 1 Weight | 3.935 kg |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 18 |
| Package 2 Height | 75.000 cm |
| Package 2 Width | 60.000 cm |
| Package 2 Length | 80.000 cm |
| Package 2 Weight | 83.830 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 >](#)

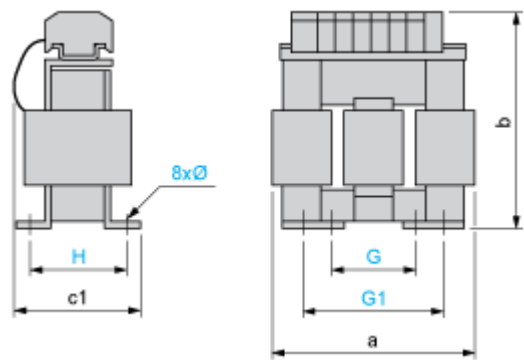
[Guide to assess a product's sustainability >](#)

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 Drawings

Dimensions



Dimensions in mm

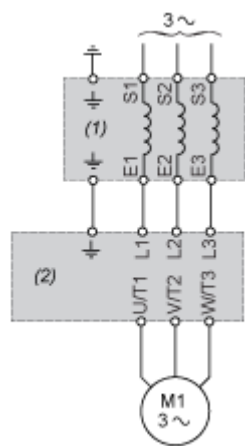
| a | b | c1 | G | G1 | H | Ø |
|-----|-----|----|----|------|----|--------|
| 130 | 155 | 90 | 60 | 80.5 | 62 | 6 x 12 |

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 |

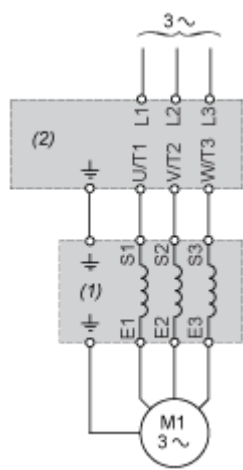
Connections and Schema

Recommended Schema - Line Choke



- (1) Line Choke
- (2) Drive

Recommended Schema - Motor Choke



- (1) Motor Choke
- (2) Drive