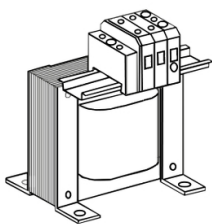# Product data sheet

Specifications

## line choke - 1 mH - 45 A - 1 phase - 50 W - for variable speed drive

VW3A58502

⚠ **Discontinued on:** 19/07/2021

⚠ **End-of-service on:** 31/12/2021

⚠ **Discontinued**

## Main

| | |
|---|---|
| range of product | Altivar |
| product or component type | Line choke |
| Product compatibility | ATV61HU55M3 - line choke - 1 per drive<br>ATV71HU55M3 - line choke - 1 per drive<br>ATV61HU75M3 - line choke - 1 per drive<br>ATV71HU75M3 - line choke - 1 per drive |
| number of phases | Single phase |
| Range compatibility | Altivar 71<br>Altivar 61 |
| Device application | Reduction of current harmonics |
| Value of inductance | 1 mH |
| [In] rated current | 45 A |
| Thermal losses | 50 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 | 133 mm |
| Height | 150 mm |
| Depth | 105 mm |

## Environment

| | |
|---|---|
| Standards | EN 50178<br>VDE 0160 level 1<br>IEC 60076 (with HD398) |
| IP degree of protection | Choke: IP00<br>Terminals: IP20 |

| | |
|---|---|
| **Environmental characteristic** | 3B1 conforming to IEC 721-3-3<br>3C2 conforming to IEC 721-3-3<br>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<br>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)<br>0…45 °C (without current derating) |
| **ambient air temperature for storage** | -25…70 °C |
| **Operating altitude** | <= 1000 m without current derating<br>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** | 21 cm |
| **Package 1 Width** | 22 cm |
| **Package 1 Length** | 23.5 cm |
| **Package 1 Weight** | 5.042 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

Life Is On | Schneider Electric

# Sustainability

**Green Premium<sup>TM</sup> 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-$CO_2$ 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