# Product data sheet
## Characteristics

# VW3A4706
EMC radio interference input filter, for variable speed drive, 100A



## Main

| | |
|---|---|
| Range of product | Altivar |
| Product or component type | EMC input filter |
| Range compatibility | Altivar Machine ATV340<br>Altivar Process ATV600<br>Altivar Process ATV900 |
| Product compatibility | Variable speed drive ATV630 wall mount, motor: 37 kW, 380...480 V<br>Variable speed drive ATV630 wall mount, motor: 45 kW, 380...480 V<br>Variable speed drive ATV630 wall mount, motor: 18.5 kW, 200...240 V<br>Variable speed drive ATV630 wall mount, motor: 22 kW, 200...240 V<br>Variable speed drive ATV650 wall mount, motor: 37 kW, 380...480 V<br>Variable speed drive ATV650 wall mount, motor: 45 kW, 380...480 V<br>Variable speed drive ATV930 wall mount, motor: 37 kW, 380...480 V<br>Variable speed drive ATV930 wall mount, motor: 45 kW, 380...480 V<br>Variable speed drive ATV930 wall mount, motor: 18.5 kW, 200...240 V<br>Variable speed drive ATV930 wall mount, motor: 22 kW, 200...240 V<br>Variable speed drive ATV950 wall mount, motor: 37 kW, 380...480 V<br>Variable speed drive ATV950 wall mount, motor: 45 kW, 380...480 V<br>Variable speed drive ATV340 motor: 30 kW, 380...480 V<br>Variable speed drive ATV340 motor: 37 kW, 380...480 V |
| Product specific application | Radio interference input filter |
| Mounting location | At variable speed drive side |
| [In] rated current | 100 A |
| Thermal losses | 12.4 W |
| Network number of phases | Three phase |

## Complementary

| | |
|---|---|
| Electrical connection | Terminal 50 mm² 1/0 AWG |
| Maximum motor cable length | 150 M shielded motor cable 4 kHz conforming to IEC 61800-3 category C2, 380...480 V<br>300 M shielded motor cable 4 kHz conforming to IEC 61800-3 category C3, 380...480 V<br>150 M shielded motor cable 4 kHz conforming to IEC 61800-3 category C2, 200...240 V<br>300 M shielded motor cable 4 kHz conforming to IEC 61800-3 category C3, 200...240 V<br>50 M shielded motor cable 4 kHz conforming to IEC 61800-3 category C1, 200...240 V<br>50 M shielded motor cable 4 kHz conforming to IEC 61800-3 category C1, 380...480 V |
| Earth leakage current | 13.9 MA at 400 V 50 Hz TN<br>13.9 MA at 400 V 50 Hz TT |
| Network rated voltage | 380…480 V<br>200…240 V |
| Tolerance | 10 % |
| Mechanical robustness | Shocks class 3M4 conforming to IEC 60721-3-3<br>Vibrations class 3M4 conforming to IEC 60721-3-3 |
| Width | 120 Mm |
| Height | 340 Mm |
| Depth | 180 Mm |
| Net weight | 6.5 Kg |

## Environment

| | |
|---|---|
| IP degree of protection | IP20mounting side by side<br>IP21with kit VW3A47906 |
| Relative humidity | 5…95 % without condensation conforming to IEC 61800-5-1 |
| Ambient air temperature for operation | -10…50 °C (without current derating)<br>50…60 °C (with current derating 1.5 % per °C) |
| Ambient air temperature for storage | -40…70 °C |
| Operating altitude | 0...1000 m without current derating<br>1000...4000 m with current derating 1 % per 100 m |
| Standards | IEC 61800-3 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 28.500 Cm |
| Package 1 Width | 37.500 Cm |
| Package 1 Length | 53.000 Cm |
| Package 1 Weight | 11.179 Kg |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 75.000 Cm |
| Package 2 Width | 60.000 Cm |
| Package 2 Length | 80.000 Cm |
| Package 2 Weight | 58.248 Kg |

## Offer Sustainability

| | |
|---|---|
| REACh free of SVHC | Yes |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | No |
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |
| REACh Regulation | Free of Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which |
| Take-back | No |

## Contractual warranty

| | |
|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised