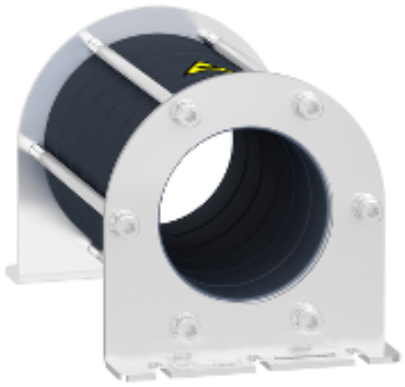
# Product data sheet
## Characteristics

# VW3A5504
common mode filter for bearing current reduction, 180µH



## Main

| | |
|---|---|
| Product or component type | Common mode output filter |
| Range compatibility | Altivar Process ATV600<br>Altivar Process ATV900 |
| Value of inductance | 180 MH |
| Product compatibility | Variable speed drive ATV630 wall mount, 15…90 kW, 380...480 V<br>Variable speed drive ATV650 wall mount, 15…90 kW, 380...480 V<br>Variable speed drive ATV930 wall mount, 15…90 kW, 380...480 V<br>Variable speed drive ATV950 wall mount, 15…90 kW, 380...480 V<br>Variable speed drive ATV630 wall mount, 7.5…45 kW, 200...240 V<br>Variable speed drive ATV930 wall mount, 7.5…45 kW, 200...240 V |

## Complementary

| | |
|---|---|
| Maximum motor cable length | 150 M(Shielded cable) motor: 30…90 kW 380...480 V, with 1 filter<br>300 M(Unshielded cable) motor: 15…90 kW 380...480 V, with 1 filter<br>300 M(Shielded cable) motor: 30…90 kW 380...480 V, with 1 filter + VW3A5503<br>500 M(Unshielded cable) motor: 30…90 kW 380...480 V, with 1 filter + VW3A5503<br>500 M(Shielded cable) motor: 15…22 kW 380...480 V, with 1 filter + VW3A5503<br>500 M(Shielded cable) motor: 30…90 kW 380...480 V, with 2 filter<br>1000 M(Unshielded cable) motor: 15…22 kW 380...480 V, with 1 filter + VW3A5503<br>1000 M(Unshielded cable) motor: 30…90 kW 380...480 V, with 2 filter<br>150 M(Shielded cable) motor: 15…45 kW 200...240 V, with 1 filter<br>300 M(Unshielded cable) motor: 7.5…45 kW 200...240 V, with 1 filter<br>300 M(Shielded cable) motor: 15…45 kW 200...240 V, with 1 filter + VW3A5503<br>500 M(Unshielded cable) motor: 15…45 kW 200...240 V, with 1 filter + VW3A5503<br>500 M(Shielded cable) motor: 7.5…11 kW 200...240 V, with 1 filter + VW3A5503<br>500 M(Shielded cable) motor: 15…45 kW 200...240 V, with 2 filter<br>1000 M(Unshielded cable) motor: 7.5…11 kW 200...240 V, with 1 filter + VW3A5503<br>1000 M(Unshielded cable) motor: 15…45 kW 200...240 V, with 2 filter |
| Saturation current | 2.2 A |
| Diameter | 76 Mm for 3-phase cable inside<br>76 Mm for PE cable outside |
| Electrical insulation class | Class I |
| Mechanical robustness | Shocks class 3M4 conforming to IEC 60721-3-3<br>Vibrations class 3M4 conforming to IEC 60721-3-3 |
| Switching frequency | <= 10 kHz |
| Maximum output frequency | 100 Hz |
| Height | 210 Mm |
| Width | 127.5 Mm |
| Depth | 127.5 Mm |
| Net weight | 2.96 Kg |

## Environment

| | |
|---|---|
| Relative humidity | 5…95 % without condensation |
| Ambient air temperature for operation | -15…60 °C |
| Ambient air temperature for storage | -40…70 °C |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 17.000 Cm |
| Package 1 Width | 27.700 Cm |
| Package 1 Length | 18.200 Cm |
| Package 1 Weight | 3.328 Kg |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 24 |
| Package 2 Height | 75.000 Cm |
| Package 2 Width | 60.000 Cm |
| Package 2 Length | 80.000 Cm |
| Package 2 Weight | 92.872 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