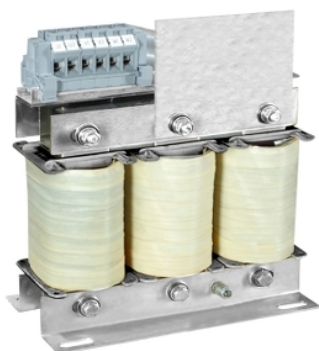


## Product data sheet

### Characteristics

# VW3A5211

## sinus filter - 1200 A - for Altivar variable speed drive



### Main

|                              |  |
|------------------------------|--|
| Product or component type    | Sinus filter   |
| Range compatibility          | Altivar 61Q<br>Altivar 61<br>Altivar 71<br>Altivar 71Q   |
| Product specific application | Output filter  |
| [In] rated current           | 1200 A   |
| Thermal losses               | 5150 W at 100 Hz   |
| Product compatibility        | ATV61HC40N4<br>ATV61QC40N4<br>ATV71HC40N4<br>ATV71QC40N4<br>ATV61HC50N4<br>ATV61HC63N4<br>ATV61QC50N4<br>ATV61QC63N4<br>ATV71HC50N4<br>ATV71QC50N4 |
| Switching frequency          | 4...8 kHz  |
| Maximum output frequency     | 100 Hz   |
| Maximum permissible voltage  | 500 V AC   |

### Complementary

|                                    |   |
|------------------------------------|---|
| Electrical connection              | 4 bare wires diameter: 11 mm            |
| Maximum voltage drop at rated load | 10 %                                    |
| Max current                        | 1.5 x nominal current (duration = 60 s) |
| Net weight                         | 600 kg                                  |

### Environment

|                                       |   |
|---------------------------------------|---|
| IP degree of protection               | IP00  |
| 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<br>1.5 mm peak to peak (f= 3...13 Hz) conforming to IEC 60068-2 |
| Shock resistance                      | 15 gn for 11 ms conforming to IEC 60068-2-27  |
| Relative humidity                     | 0...95 %  |
| Ambient air temperature for operation | 40...50 °C (with current derating 1.5 % per °C)<br>-10...40 °C (without current derating)                       |
| Ambient air temperature for storage   | -40...65 °C   |
| Operating altitude                    | <= 1000 m without current derating<br>1000...3000 m with current derating 1 % per 100 m                         |

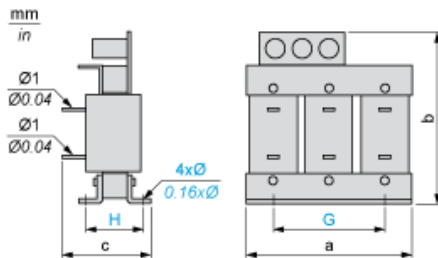
## Offer Sustainability

|                            |  |
|----------------------------|--|
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes  |
| Mercury free               | Yes  |
| RoHS exemption information | <a href="#">Yes</a>  |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>   |

## Contractual warranty

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

Dimensions



Dimensions in mm

| a   | b   | c   | G   | H   | Ø       | Ø1      |
|-----|-----|-----|-----|-----|---------|---------|
| 620 | 930 | 500 | 525 | 352 | 13 x 22 | 4 x Ø11 |

Dimensions in in.

| a     | b     | c     | G     | H     | Ø           | Ø1           |
|-------|-------|-------|-------|-------|-------------|--------------|
| 24.41 | 36.61 | 19.68 | 20.67 | 13.86 | 0.51 x 0.87 | 0.16 x Ø0.43 |

Mounting Recommendations

