


Product datasheet

Specifications



braking resistor - 1.4 ohms - 5.1 kW - IP23

VW3A7748

 **Discontinued on:** Aug 27, 2020

 **Discontinued**

Main

| | |
|--------------------------------|------------------------|
| Range compatibility | Altivar Process ATV900 |
| product or component type | Braking resistor |
| Ohmic value | 1.4 Ohm |
| [Ue] rated operational voltage | 24 V DC 250 V AC |

Complementary

| | |
|-------------------------|--|
| Product compatibility | Variable speed drive ATV930 wall mount 55 kW 200...240 V medium cycle Variable speed drive ATV930 wall mount 75 kW 200...240 V medium cycle Variable speed drive ATV930 wall mount 220 kW 380...480 V light cycle Variable speed drive ATV930 wall mount 250 kW 380...480 V light cycle |
| Duty cycle | Medium cycle (normal duty) <4 s braking with 135 % braking torque for a 40 s cycle Medium cycle (heavy duty) <4 s braking with 165 % braking torque for a 40 s cycle |
| Average power available | 5.1 kW at 50 °C |
| Electrical connection | terminal, connection capacity: <= 2.5 mm² / AWG 12 for temperature control switch M12 bar wire for drive |
| Protection type | Thermal protection via drive or temperature control switch at 120 °C |
| Width | 540 mm |
| Height | 485 mm |
| Depth | 650 mm |
| net weight | 29 kg |

Environment

| | |
|---------------------------------------|-------------|
| IP degree of protection | IP23 |
| ambient air temperature for storage | -25...70 °C |
| ambient air temperature for operation | 0...50 °C |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 48.500 cm |
| Package 1 Width | 54.000 cm |
| Package 1 Length | 65.000 cm |

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

| | |
|------------------|-----------|
| Package 1 Weight | 40.000 kg |
|------------------|-----------|

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.

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

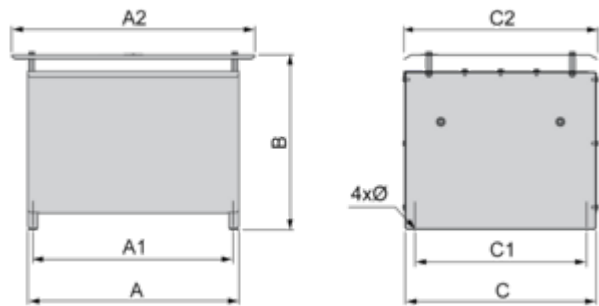
Well-being performance

| | | |
|-----------------------|----------------------------|---|
| ✓ | Reach Free Of Svhc | |
| ✓ | Toxic Heavy Metal Free | |
| ✓ | Mercury Free | |
| ✓ | Rohs Exemption Information | Yes |
| | | |
| Reach Regulation | | REACH Declaration |
| | | |
| 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

Right Side and Front View



Dimensions in mm

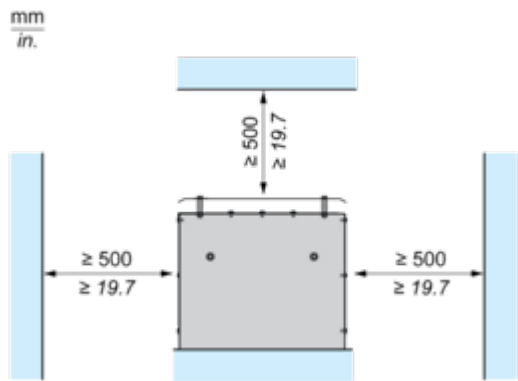
| A | B | C | A1 | C1 | A2 | C2 | Ø |
|-----|-----|-----|-----|-----|-----|-----|--------|
| 530 | 485 | 485 | 510 | 380 | 650 | 540 | 9 x 12 |

Dimensions in in.

| A | B | C | A1 | C1 | A2 | C2 | Ø |
|-------|-------|-------|-------|-------|-------|-------|-------------|
| 20.87 | 19.09 | 19.09 | 20.08 | 14.96 | 25.59 | 21.26 | 0.35 x 0.47 |

Mounting and Clearance

Clearances



Connections and Schema

Recommended Schema

1 Braking Resistor

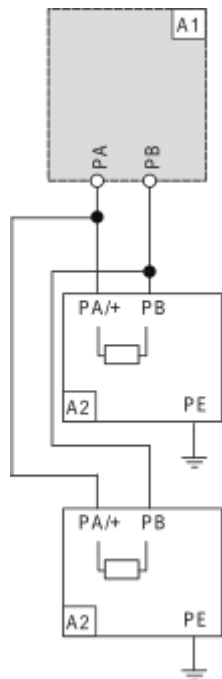


A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC

2 Braking Resistors



A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC