

Product datasheet

Specifications



braking resistor - 5 ohms - 6.9 kW - IP23

VW3A7746

Main

Range compatibility	Altivar Machine ATV340 Altivar Process ATV900
product or component type	Braking resistor
Ohmic value	5 Ohm
[Ue] rated operational voltage	24 V DC 250 V AC

Complementary

Product compatibility	Variable speed drive ATV930 wall mount 75 kW 380...480 V medium cycle Variable speed drive ATV930 wall mount 90 kW 380...480 V medium cycle Variable speed drive ATV950 wall mount 75 kW 380...480 V medium cycle Variable speed drive ATV950 wall mount 90 kW 380...480 V medium cycle Variable speed drive ATV930 wall mount 18.5 kW 200...240 V severe cycle Variable speed drive ATV340 55 kW 380...480 V medium cycle Variable speed drive ATV340 75 kW 380...480 V medium cycle
Duty cycle	Severe cycle (heavy duty) <4 s braking with 100 % braking torque for a 120 s 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 Severe cycle (heavy duty) <6 s braking with 165 % braking torque for a 120 s cycle
Average power available	6.9 kW at 50 °C
Electrical connection	terminal, connection capacity: <= 2.5 mm² / AWG 12 for temperature control switch M10 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	30.5 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	58.0 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 Width	58.0 cm
Package 1 Length	69.5 cm
Package 1 Weight	29.7 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.

[Learn more about Green Premium >](#)

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

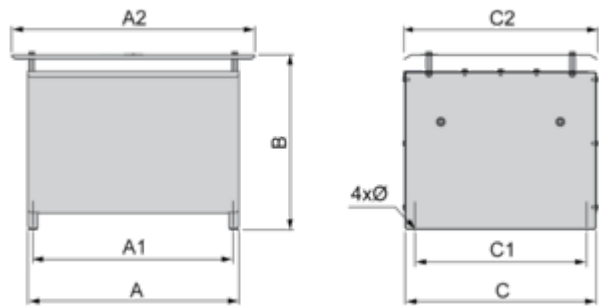
Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
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

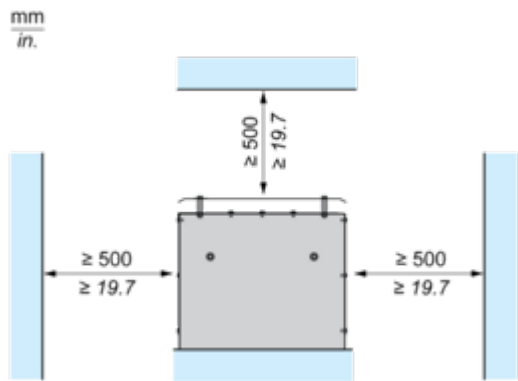
A	B	C	A1	C1	A2	C2	Ø
530	485	485	510	380	650	540	9 x 12

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

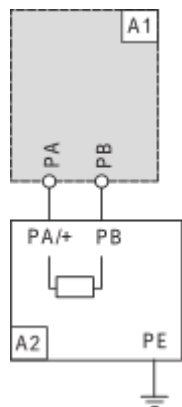
Clearances



Connections and Schema

Recommended Schema

1 Braking Resistor

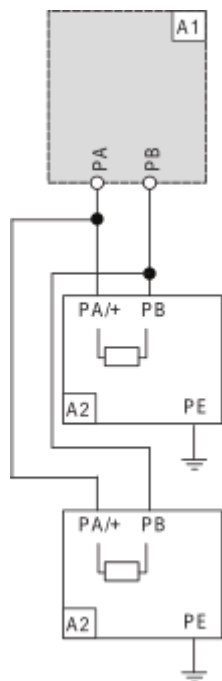


A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC

2 Braking Resistors



A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC