

Product datasheet

Specifications



braking resistor - 28 ohms - 1.1 kW - IP20

VW3A7742

Main

Range compatibility	Altivar Process ATV900 Altivar Machine ATV340
product or component type	Braking resistor
Ohmic value	28 Ohm
[Ue] rated operational voltage	24 V DC 250 V AC

Complementary

Product compatibility	Variable speed drive ATV930 wall mount 11 kW 380...480 V medium cycle Variable speed drive ATV930 wall mount 15 kW 380...480 V medium cycle Variable speed drive ATV950 wall mount 11 kW 380...480 V medium cycle Variable speed drive ATV950 wall mount 15 kW 380...480 V medium cycle Variable speed drive ATV930 wall mount 3 kW 200...240 V severe cycle Variable speed drive ATV340 7.5 kW 380...480 V medium cycle Variable speed drive ATV340 11 kW 380...480 V medium cycle Variable speed drive ATV930 15 kW 500...690 V medium cycle Variable speed drive ATV930 18.5 kW 500...690 V medium cycle Variable speed drive ATV930 20 hp 600 V medium cycle Variable speed drive ATV930 25 hp 600 V medium cycle
Duty cycle	Severe cycle (heavy duty) <54 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	0.96 kW at 50 °C
Electrical connection	terminal, connection capacity: <= 10 mm² / AWG 8 for drive terminal, connection capacity: <= 2.5 mm² / AWG 12 for temperature control switch
Protection type	Thermal protection via drive or temperature control switch at 120 °C
Width	190 mm
Height	570 mm
Depth	180 mm
net weight	4.2 kg

Environment

IP degree of protection	IP20
ambient air temperature for storage	-25...70 °C
ambient air temperature for operation	0...50 °C

Packing Units

Unit Type of Package 1	PCE
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Number of Units in Package 1	1
Package 1 Height	25.500 cm
Package 1 Width	20.000 cm
Package 1 Length	58.000 cm
Package 1 Weight	4.902 kg
Unit Type of Package 2	P06
Number of Units in Package 2	8
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	47.716 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 >](#)

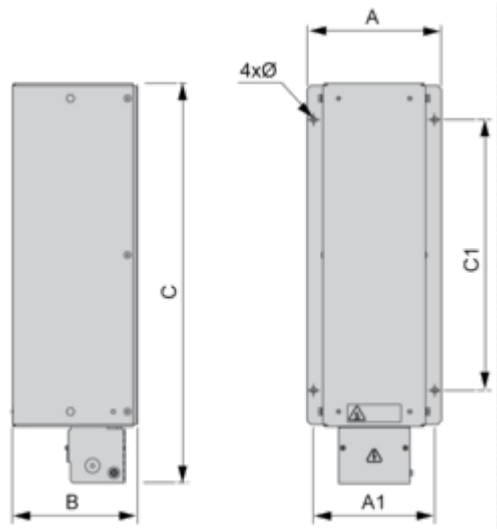
Well-being performance

✓	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	Ø
190	180	570	170	380	6.6 x 9

Dimensions in in.

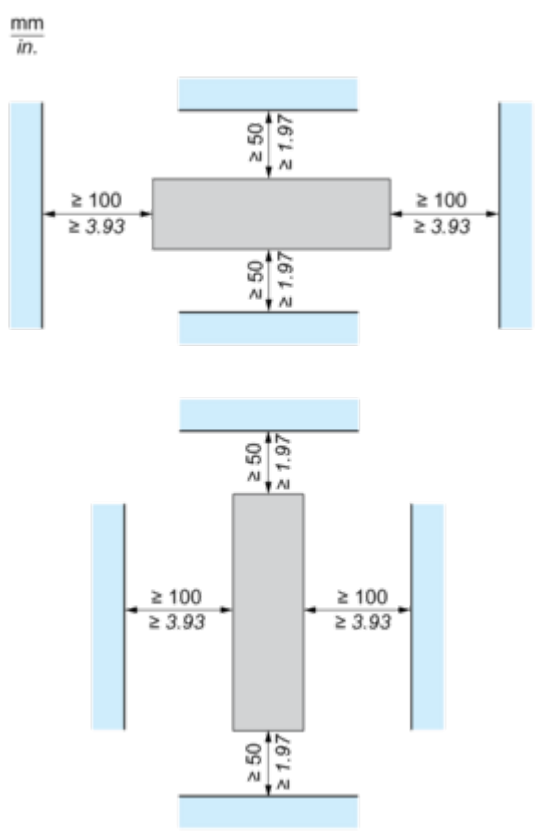
A	B	C	A1	C1	Ø
7.48	7.09	22.44	6.69	14.96	0.26 x 0.35

Mounting and Clearance

Mounting and Clearance



(1) Braking resistor



Connections and Schema

Recommended Schema

1 Braking Resistor

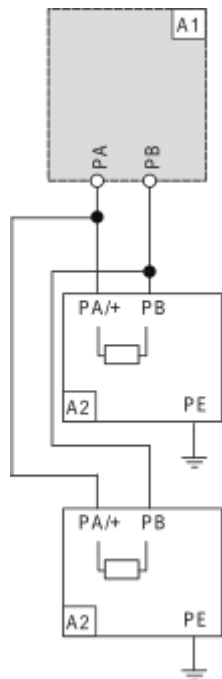


A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC

2 Braking Resistors



A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC