

Product data sheet

Specifications



braking resistor, Altivar, 16Ohms, 1.9kW, IP20

VW3A7743

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range Compatibility	Altivar Machine ATV340 Altivar Process ATV900 Easy Altivar 310
Product or Component Type	Braking resistor
Ohmic value	16 Ohm
[Ue] rated operational voltage	24 V DC 250 V AC

Complementary

Product compatibility	Variable speed drive ATV930 wall mount 18.5 kW 380...480 V medium cycle Variable speed drive ATV930 wall mount 22 kW 380...480 V medium cycle Variable speed drive ATV930 wall mount 30 kW 380...480 V medium cycle Variable speed drive ATV950 wall mount 18.5 kW 380...480 V medium cycle Variable speed drive ATV950 wall mount 22 kW 380...480 V medium cycle Variable speed drive ATV950 wall mount 30 kW 380...480 V medium cycle Variable speed drive ATV930 wall mount 5.5 kW 200...240 V severe cycle Variable speed drive ATV340 15 kW 380...480 V medium cycle Variable speed drive ATV340 18 kW 380...480 V medium cycle Variable speed drive ATV340 22 kW 380...480 V medium cycle Variable speed drive ATV930 22 kW 500...690 V medium cycle Variable speed drive ATV930 30 kW 500...690 V medium cycle Variable speed drive ATV930 37 kW 500...690 V medium cycle Variable speed drive ATV930 32 hp 600 V medium cycle Variable speed drive ATV930 40 hp 600 V medium cycle Variable speed drive ATV930 50 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	1.9 kW 122 °F (50 °C)
Electrical connection	terminal <= 10 mm² / AWG 8 drive terminal <= 2.5 mm² / AWG 12 temperature control switch
Protection type	Thermal protection via drive or temperature control switch 120 °C
Width	11.4 in (290 mm)
Height	22.4 in (570 mm)
Depth	7.09 in (180 mm)
Product Weight	14.1 lb(US) (6.4 kg)

Environment

IP Degree of Protection	IP20
Ambient Air Temperature for Storage	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Operation	32...122 °F (0...50 °C)

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

Ordering and shipping details

Category	US1CP4E22209
Discount Schedule	CP4E
GTIN	3606480802362
Returnability	Yes
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	10.04 in (25.500 cm)
Package 1 Width	22.83 in (58.000 cm)
Package 1 Length	12.01 in (30.500 cm)
Package weight(Lbs)	15.898 lb(US) (7.211 kg)
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	23.62 in (60.000 cm)
Package 2 Length	31.50 in (80.000 cm)
Package 2 Weight	82.964 lb(US) (37.632 kg)

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

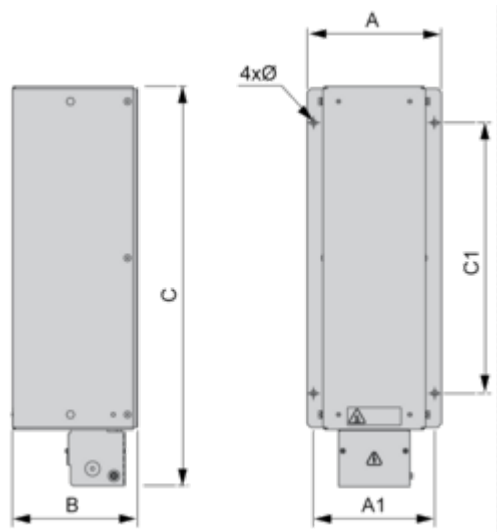
Use Again

 Repack and remanufacture	
Take-back	No

Dimensions Drawings

Dimensions

Right Side and Front View



Dimensions in mm

A	B	C	A1	C1	Ø
290	180	570	270	380	6.6 x 9

Dimensions in in.

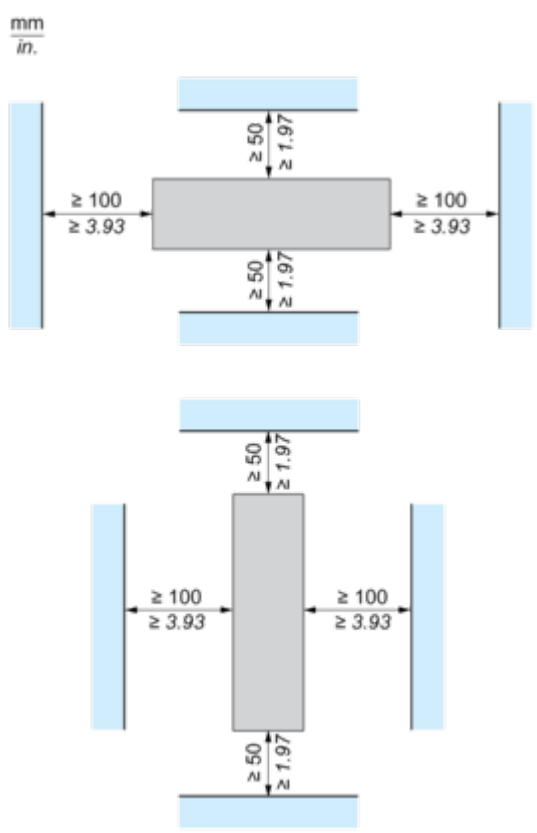
A	B	C	A1	C1	Ø
11.42	7.09	22.44	10.63	14.96	0.26 x 0.35

Mounting and Clearance

Mounting and Clearance



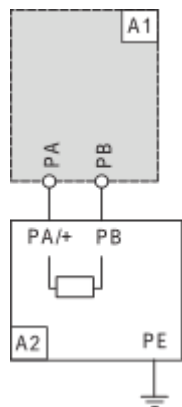
(1) Braking resistor



Connections and Schema

Recommended Schema

1 Braking Resistor

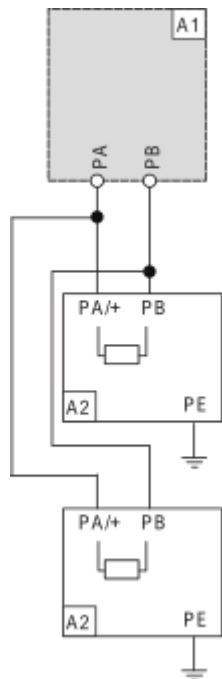


A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC

2 Braking Resistors



A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC