



Main

Product or Component Type	Braking resistor
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Complementary

Range Compatibility	Altivar Machine ATV340 Altivar&Nbsp;Process ATV900 Easy Altivar 310
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
Braking cycle	Severe cycle heavy duty) <54 s 100 % 120 s Medium cycle normal duty) <4 s 135 % 40 s Medium cycle heavy duty) <4 s 165 % 40 s Severe cycle heavy duty) <6 s 165 % 120 s
Average power available	1.9 kW 122 °F (50 °C)
Ohmic value	16 Ohm
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
[Ue] rated operational voltage	24 V DC 250 V AC
Width	11.42 in (290 mm)
Height	22.44 in (570 mm)
Depth	7.09 in (180 mm)
Net Weight	14.11 lb(US) (6.4 kg)

Environment

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

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Ordering and shipping details

Category	22209-ATV650
Discount Schedule	CP4E
GTIN	3606480802362
Nbr. of units in pkg.	1
Package weight(Lbs)	16.06 lb(US) (7.283 kg)
Returnability	No
Country of origin	DE

Packing Units

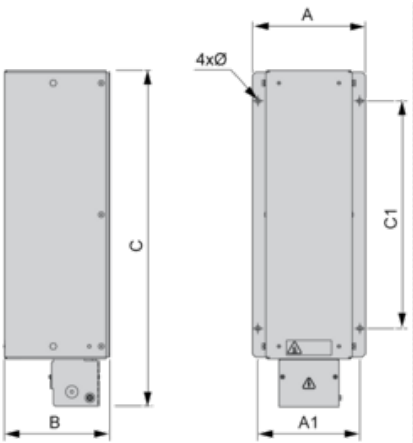
Unit Type of Package 1	PCE
Package 1 Height	10.04 in (25.5 cm)
Package 1 width	22.83 in (58 cm)
Package 1 Length	12.01 in (30.5 cm)
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Weight	82.96 lb(US) (37.632 kg)
Package 2 Height	19.69 in (50 cm)
Package 2 width	31.50 in (80 cm)
Package 2 Length	23.62 in (60 cm)

Offer Sustainability

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
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration

Dimensions

Right Side and Front View



Dimensions in mm

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

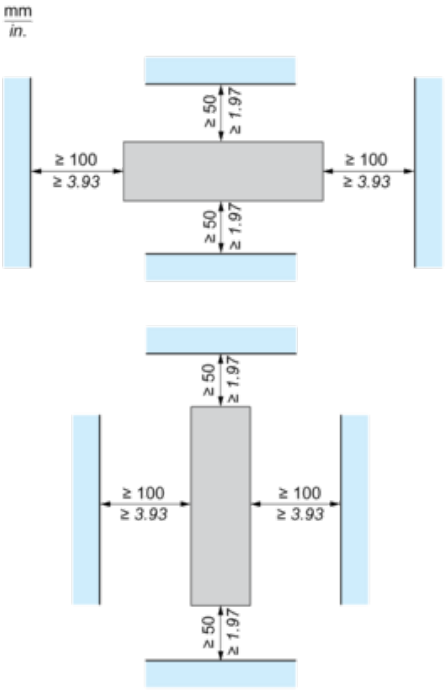
Dimensions in in.

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

Mounting and Clearance

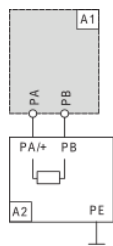


(1) Braking resistor



Recommended Schema

1 Braking Resistor

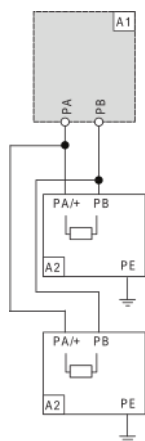


A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC

2 Braking Resistors



A1 : Drive or external braking unit

A2 : Braking resistor

PA, PB : Bus DC