

Product data sheet

Specifications



resistance braking unit - 400 kW - 400 V - for variable speed drive

VW3A7102

 To be discontinued on: Dec 31, 2025

 To be discontinued

Main

Range Compatibility	Altivar 71 Altivar 61Q Altivar 71Q Altivar 61
Product Compatibility	ATV61HC40N4 ATV61HC50N5 ATV61HC63N4 ATV61QC40N4 ATV61QC50N4 ATV61QC63N4 ATV71HC31N4 ATV71HC40N4 ATV71HC50N4 ATV71QC31N4 ATV71QC40N4 ATV71QC50N4
Thermal Losses	750 W
Minimum Resistor Value To Associate	0.7 Ohm
Protection Type	Integrated thermal protection by thermal probe

Complementary

Maximum Braking Power	750 kW
Permanent Braking Power	400 kW at 400 V (at constant power and at engage threshold)
Load Factor	0.05 for 750 kW at constant power and at engage threshold 0.15 for 550 kW at constant power and at engage threshold 0.5 for 440 kW at constant power and at engage threshold
Activation Threshold	785 V DC +/- 1 %
Maximum Dc Bus Voltage	850 V
Net Weight	80 kg
Volume Of Cooling Air	600 m3/h
Operating Position	Vertical

Environment

Ip Degree Of Protection	IP20
Operating Altitude	2000 m
Ambient Air Temperature For Operation	-10...50 °C
Ambient Air Temperature For Storage	-25...70 °C
Pollution Degree	2 conforming to EN 50178

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

Vibration Resistance	0.2 gn
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Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	41.5 cm
Package 1 Width	37.5 cm
Package 1 Length	128.5 cm
Package 1 Weight	90.0 kg

Contractual warranty

Warranty	18 months
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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

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
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