

Product data sheet

Specifications



controller inside programmable card - 24 V DC - for Altivar Plus speed drive

VW3A3E501

⚠ Discontinued on: 29 Oct 2025

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Main

Product or component type	Controller inside programmable card
Range compatibility	Altivar 61 Plus Altivar 71 Plus
[Us] rated supply voltage	24 V
Supply circuit type	DC
Analogue input number	2
Analogue input type	AI51, AI52 current analog input: 0...20 mA, impedance: 250 Ohm, resolution: 10 bits
Analogue output number	2
Analogue output type	AO51, AO52 current analog output: 0...20 mA, impedance: 500 Ohm, resolution: 10 bits
Discrete input number	10
Discrete input type	(LI51...LI60) logic inputs, 24 V DC, compatible with level 1 PLC (voltage limits: <= 30 V), impedance: 4.4 kOhm
Discrete input logic	Positive (LI51...LI60), <= 5 V (state 0), >= 11 V (state 1)
Discrete output number	6
Discrete output type	(LO51...LO56) logic output, compatible with level 1 PLC
Discrete output logic	(LO51...LO56) positive
Battery type	Lithium
Application program desc	Compiled program size : 320 kB maximum Data size : 64 kwords maximum Data saved size : 4 kwords Data size accessible by Modbus : 2 kwords
Transmission rate	50 kbps, 125 kbps, 250 kbps, 500 kbps, 1 Mbps

Complementary

Supply voltage limits	19...30 V
Current consumption	2 A maximum 200 mA maximum per logic output 80 mA no load
Discrete output voltage	24 V DC, maximum switching voltage: 30 V logic output
Maximum output current	0.2 A, logic output
Electrical connection	Terminal, 1.5 mm² / AWG 16, 0.25 N.m
Battery life	8 year(s)
Communication port protocol	CANopen

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

Connector type	9-way male SUB-D connector
Method of access	Master
Number of addresses	1...32
Communication service	Emergency, boot-up, sync DS 301 V4.02 DSP 405 2 client SDOs per slave 10 receive and transmit PDOs in total for each slave
Display type	1 LED for ERROR (fault) 1 LED for RUN (status)
Product weight	0.32 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.5 cm
Package 1 Width	17.2 cm
Package 1 Length	23.5 cm
Package 1 Weight	416.0 g

Contractual warranty

Warranty (in months)	18
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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 Longer

Lifetime extension	
Repair	No