

Product datasheet

Specifications



Altivar Drive Systems Enclosure standard/CTO/ETO

ATVCBL

⚠ Discontinued on: 15 Mar 2022

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Main

Range of product	Altivar
Product or component type	Variable speed drive
Product specific application	Fan, pump, compressor, conveyor
Assembly style	In floor-standing enclosure with separate air flows
Provided equipment	Enclosure
IP degree of protection	IP54 IP21 IP31 IP41 IP42 IP55
Supply frequency	50/60 Hz +/- 5 %
[Uc] control circuit voltage	6...250 V
Network number of phases	3 phases
Asynchronous motor control profile	Vector control with sensor Closed-loop control with encoder Sensorless flux vector control Voltage/frequency ratio (V/f)
Synchronous motor control profile	Closed-loop control with encoder Voltage/frequency ratio (V/f)
Display type	LCD display for operation function, status and configuration
Output voltage	0...100 % power voltage
Nominal switching frequency	2.4...16 kHz
Speed drive output frequency	0.5...399 Hz closed-loop control with encoder
Overload withstand	1.2...1.6 In, 2...60 s
Continuous output current	116...2916 A (standard overload)
Efficiency	96 % (advanced)
Communication port protocol	Human machine interface: Modbus with 2-wire RS485 - RJ45 Profibus with - SUB-D 9 DeviceNet with - SUB-D 9

Complementary

Product destination	asynchronous motors
Electrical connection	Bar entry from the bottom or from the top (L1/R, L2/S, L3/T)
Input type	Rectifier bridge
Output type	Transistor IGBT

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

Acceleration and deceleration ramps	Linear from 0...3200 s
Protection type	Drive: overcurrent Drive: overvoltage Drive: undervoltage Drive: controller shutdown Drive: cooling fan stop Drive: overload Drive: over temperature protection Drive: communication failure Drive: phase loss
Frequency resolution	Output: 0.01 Hz
Supply	External supply Internal supply
Analogue input type	software-configurable current: 0...20 mA/4...20 mA 24 V max
Analogue output type	Software-configurable voltage: 0...10 V DC Software-configurable current: 0...20 mA/4...20 mA DC
Discrete output number	20 6
Isolation	Electrical between power and control
Operating position	Vertical +/- 10 degree

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	216 cm
Package 1 Width	81.6 cm
Package 1 Length	66 cm
Package 1 Weight	430 kg

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