ATVCBL

Main

control profile

Display type

Output voltage

frequency

frequency

current Efficiency

protocol

Nominal switching

Speed drive output

Overload withstand

Continuous output

Communication port

Altivar Drive Systems Enclosure standard/CTO/ETO

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	6250 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	Closed-loop control with encoder

Voltage/frequency ratio (V/f)

0...100 % power voltage

1.2...1.6 In, 2...60 s

96 % (advanced)

Profibus with - SUB-D 9 DeviceNet with - SUB-D 9

RS485 - RJ45

116...2916 A (standard overload)

configuration

2.4...16 kHz

LCD display for operation function, status and

0.5...399 Hz closed-loop control with encoder

Human machine interface: Modbus with 2-wire

Complementary

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
Acceleration and deceleration ramps	Linear from 03200 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

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It is not to be used for determining suitability or reliability of these products for specific user applications.

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Supply	External supply Internal supply
Analogue input type	Software-configurable current: 020 mA/420 mA 24 V max
Analogue output type	Software-configurable voltage: 010 V DC Software-configurable current: 020 mA/420 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	