

Product data sheet

Specifications



ATV16 1,8KVA 1 hp - 400/460V 3 phases - IP31

ATV16U18N4

⚠ Discontinued on: Dec 31, 1998

⚠ End-of-service on: Dec 31, 2003

⚠ Discontinued

Main

Range Of Product	Altivar 16
Product Or Component Type	Variable speed drive

Complementary

Product Destination	Asynchronous motors
[Us] Rated Supply Voltage	380...500 V - 15...10 %
Supply Frequency	50/60 Hz +/- 5 %
Network Frequency Limits	47.5...63 Hz
Network Number Of Phases	3 phases
Motor Power Kw	0.75 kW
Motor Power Hp	1 hp
Line Current	3.9 A at 380 V 3.5 A at 500 V
Apparent Power	5 kVA at 400 V
Prospective Line Isc	5 kA
Continuous Output Current	2.3 A at 380 V 2.1 A at 500 V
Speed Drive Output Frequency	0.5...400 Hz
Nominal Switching Frequency	4 kHz
Switching Frequency	12...16 kHz with derating factor 2...12 kHz adjustable
Local Signalling	1 LED (red) for DC bus energized
Output Voltage	<= power supply voltage
Communication Port Protocol	Modbus
Connector Type	1 RJ45
Physical Interface	2-wire RS 485
Transmission Frame	RTU
Transmission Rate	9600 bps or 19200 bps
Data Format	8 bits, 1 stop, odd even or no configurable parity
Height	200 mm
Width	180 mm
Depth	144 mm

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

Option Card	Communication card for APOGEE FLN
	Communication card for BACnet
	Communication card for LonWorks
	Communication card for METASYS N2

Environment

Ip Degree Of Protection	IP31 conforming to EN 60530
	IP31 conforming to EN 61800-5-2
	IP31 conforming to IEC 60529
	IP31 conforming to IEC 61800-5-1
Ambient Air Temperature For Operation	-10...40 °C (without derating)
	40...50 °C (with derating factor)
Ambient Air Temperature For Storage	-25...70 °C
Operating Altitude	<= 2000 m
	1000...3000 m