

SVAC3-IP-E220

Q Programmable Servo Drive w/ EtherNet/IP

1pc. - 710.00
 50pc. - 532.50



Product Features

- Programmable digital servo drive in a compact package
- DSP-based current control
- Operates from 220 VAC
- Provides motor current up to 1.8 A rms continuous, 3.75 A rms peak
- Fast 10/100 Ethernet for programming and communications
- EtherNet/IP communication protocol for network communications with PLCs and other devices
- Supports all SVAC3-S and SVAC3-Q control modes
- UDP & TCP support
- 12 digital inputs, 6 digital outputs, all optically isolated
- 1 analog input, +/-10 volt range
- Jerk filter for S-curve acceleration ramps



Description

The SVAC3-IP-E220 is a compact and cost-effective servo drive that is compatible with a variety of servo motors and a great choice for many OEM applications. Its all-digital design and DSP-based current control allow for smooth motion and a quick response from the specially matched set of Applied Motion motors available with it. Power to the drive comes from single-phase 220 VAC and the drive can output up to 1.8 A rms continuous, 3.75 A rms peak to the servo motor. The drive also has built-in protection features like over-voltage, over-temperature, and over-current, which prevent damage to the drive while running in adverse conditions.

The SVAC3-IP-E220 incorporates EtherNet/IP network communications, the widely used industrial protocol for manufacturing automation applications. With EtherNet/IP users can control, configure and query the drive using an open, standards-based, industrial Ethernet connection at speeds up to 100 MBits/sec. The SVAC3-IP drives run all of the same control modes as Q drives, with the addition that all drive features can be accessed over EtherNet/IP, including more than 100 commands and 130 registers for controlling motion, I/O, configuration, polling, math, register manipulation, and Q programming.

For connecting to external devices such as limit switches, proximity or photoelectric sensors, PLC I/O, lamps, and other devices, the drive comes with 12 digital inputs, 6 digital outputs, and 1 analog input. In addition to EtherNet/IP the drive supports Ethernet TCP and UDP protocols for sending commands from Applied Motion's proprietary Serial Command Language (SCL). The same 10/100 Mbit Ethernet port on the drive is also used for tuning, configuring and programming the drive using the [Quick Tuner™](#) and [Q Programmer™](#) software applications.

This servo motor drive is UL Recognized (File No. E332730), CE approved, and RoHS compliant.















Specifications

Model Number:	SVAC3-IP-E220
Part Number:	5000-223
Supply Voltage:	108-242 VAC
Supply Voltage Type:	AC
Control Modes:	Streaming Commands Q Programming EtherNet/IP
Output Current, Continuous:	1.8
Output Current, Peak:	3.75
Communication Ports:	Ethernet EtherNet/IP
Feedback:	Halls + Incremental encoder
Setup Method:	Software setup
Digital Inputs:	12
Digital Outputs:	6
Analog Inputs:	1 single-ended
Dimensions:	5.5 x 4.5 x 2.0 inches
Weight:	22.4 oz
Operating Temperature Range:	0 to 70 °C
Ambient Temperature Range:	0 to 55 °C
Ambient Humidity:	90% max, non-condensing
Status LEDs:	1 red, 1 green
Circuit Protection:	Short circuit Over-voltage Under-voltage Over-temp

Software

Software:	ARM Firmware Downloader DSP Firmware Downloader Q Programmer™ Quick Tuner™ SCL Utility
Sample Code:	 C_sharp_UDP_example.zip  VB6_UDP_example.zip  VB6_UDP_example.zip

Downloads

Manuals:	 SVAC3_Hardware_Manual_920-0028.pdf  SVAC3_QuickSetupGuide_920-0052.pdf  Host Command Reference Rev I.pdf
Datasheet:	http://s3.amazonaws.com/applied-motion-pdf/SVAC3-IP-E220.pdf
Family Datasheet:	 Servo-Products-Datasheet-925-0008.pdf  EtherNet-IP-White-Paper_920-0050.pdf  EIP_EDS_FILES.zip
2D Drawing:	 SVAC3.pdf
3D Drawing:	 SVAC3.igs
Speed-Torque Curves:	 SVAC3_speed-torque.pdf
Agency Approvals:	 STAC5_SVAC3_CE_DOC.PDF
Application Notes:	 APPN0024_AOIs-for-RSLogix5000.zip  APPN0023_MicroLogix-to-EtherNet-IP-drive.zip  APPN0022_CompactLogix-to-EtherNet-IP-drive.zip  APPN0016_Simple-25-pin-mating-connections.pdf

Pricing

SVAC3-IP-E220 Part No. 5000-223	
1pc.	\$710.00
25pc.	\$610.60
50pc.	\$532.50
100pc.	Request a Quote for 100+ piece pricing.

Mechanical Outline

