

## SVAC3-S-E220

Digital Servo Drive w/ Ethernet

1pc. - 471.00  
50pc. - 353.25



### Product Features

- 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
- Three pulse-based control modes: step & direction, A/B quadrature, CW/CCW pulse
- Velocity (oscillator) control mode with sophisticated joystick operation
- Streaming serial command mode (SCL) for commands sent from a host controller
- UDP & TCP support
- 4 digital inputs, 2 digital outputs, all optically isolated
- 1 analog input, +/- 10 volt range
- Jerk filter for S-curve acceleration ramps



### Description

The SVAC3-S-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-S-E220 can operate in analog torque/velocity, pulse & direction, and streaming serial (SCL) control modes. Select the control mode, tune the servo motor and configure the drive using the [Quick Tuner™](#) software.




For connecting to external devices such as limit switches, proximity or photoelectric sensors, PLC I/O, lamps, and other devices, the drive comes with 4 digital inputs, 2 digital outputs, and 1 analog input. The drive also features an Ethernet port for configuration and communications. The Ethernet port is fast 10/100 Mbit, and the drive supports both TCP and UDP communication protocols.

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

## Specifications

<b>Model Number:</b>	SVAC3-S-E220
<b>Part Number:</b>	5000-227
<b>Supply Voltage:</b>	108-242 VAC
<b>Supply Voltage Type:</b>	AC
<b>Control Modes:</b>	Step & Direction Analog Torque / Velocity Streaming Commands
<b>Output Current, Continuous:</b>	1.8
<b>Output Current, Peak:</b>	3.75
<b>Communication Ports:</b>	Ethernet
<b>Feedback:</b>	Halls + Incremental encoder
<b>Setup Method:</b>	Software setup
<b>Digital Inputs:</b>	4
<b>Digital Outputs:</b>	2
<b>Analog Inputs:</b>	1 single-ended
<b>Dimensions:</b>	5.5 x 4.5 x 2.0 inches
<b>Weight:</b>	22.4 oz
<b>Operating Temperature Range:</b>	0 to 70 °C
<b>Ambient Temperature Range:</b>	0 to 55 °C
<b>Ambient Humidity:</b>	90% max, non-condensing
<b>Status LEDs:</b>	1 red, 1 green
<b>Circuit Protection:</b>	Short circuit Over-voltage Under-voltage Over-temp

## Software

<b>Software:</b>	<a href="#">ARM Firmware Downloader</a> <a href="#">DSP Firmware Downloader</a> <a href="#">Quick Tuner™</a> <a href="#">SCL Utility</a>
<b>Sample Code:</b>	 <a href="#">C_sharp_UDP_example.zip</a>  <a href="#">VB6_UDP_example.zip</a>  <a href="#">VB6_TCP_example.zip</a>

## Downloads

<b>Manuals:</b>	 <a href="#">SVAC3_Hardware_Manual_920-0028.pdf</a>  <a href="#">SVAC3_QuickSetupGuide_920-0052.pdf</a>  <a href="#">Host Command Reference Rev I.pdf</a>  <a href="#">eSCL_Comm_Reference.pdf</a>
<b>Datasheet:</b>	<a href="http://s3.amazonaws.com/applied-motion-pdf/SVAC3-S-E220.pdf">http://s3.amazonaws.com/applied-motion-pdf/SVAC3-S-E220.pdf</a>
<b>Family Datasheet:</b>	 <a href="#">Servo-Products-Datasheet-925-0008.pdf</a>
<b>2D Drawing:</b>	 <a href="#">SVAC3.pdf</a>
<b>3D Drawing:</b>	 <a href="#">SVAC3.igs</a>
<b>Speed-Torque Curves:</b>	 <a href="#">SVAC3_speed-torque.pdf</a>
<b>Agency Approvals:</b>	 <a href="#">STAC5_SVAC3_CE_DOC.PDF</a>
<b>Application Notes:</b>	 <a href="#">APPN0026B-LabVIEW-communication-using-streaming-commands.zip</a>

## Pricing

SVAC3-S-E220 Part No. 5000-227	
1pc.	\$471.00
25pc.	\$405.06
50pc.	\$353.25
100pc.	<a href="#">Request a Quote</a> for 100+ piece pricing.

## Mechanical Outline

