Applied Motion Products, Inc.
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Product Datasheet

www.Applied-Motion.com

SV2B5-Q-AE

Digital Servo Drive w/ On-board motion control

1pc. - 643.00
50pc. - 482.25



Product Features

- *Digital servo drive*
- *Auto-tuning*
- *Anti-vibration function*
- *220 VAC single-phase or 3-phase input power, 50/60 Hz*
- *On-board motion controller with Q Programming*
- *8 regular digital inputs, 5-24 VDC*
- *4 high-speed digital inputs, 5-24 VDC*
- *6 digital outputs, 30 VDC max*
- *2 analog inputs, -10 to +10 V*
- *Fault protection*



Description

The SV200 series digital servo drives offer excellent performance at exceptional value. They provide short settling times of 0 to 2 milliseconds. Auto-tuning enables the system to optimize tuning parameters automatically and greatly reduces setup time. The anti-vibration function reduces and often eliminates vibrations arising from the natural mechanical characteristics of the load.

The SV2B5-Q-AE servo drive is suited for stand-alone operation utilizing it's built-in motion controller. The drive is programmed using the Q Programmer software (included in SVx Servo Suite) which provides powerful commands for motion, I/O, logic, multi-tasking and more. Motion commands include relative and absolute positioning, homing, jogging, encoder following, analog positioning, segmented moves and more.

The SVX Servo Suite software allows for easy setup and programming of the drive and motor. It has a built-in oscilloscope for testing motion and optimizing motor performance.

Specifications

Model Number:	SV2B5-Q-AE
Part Number:	SV2B5-Q-AE
Supply Voltage:	156-264 VAC
Supply Voltage Type:	AC
Control Modes:	Streaming Commands Analog Positioning Encoder Following Q Programming
Output Current, Continuous:	4.50
Output Current, Peak:	13.50
Communication Ports:	RS-232
Feedback:	Halls + Incremental encoder
Setup Method:	Software setup
Digital Inputs:	8 general purpose, 4 high speed
Digital Outputs:	6
Analog Inputs:	2
Dimensions:	6.9 x 2.6 x 5.9 inches
Weight:	57.6 oz
Operating Temperature Range:	0 to 85 °C
Ambient Temperature Range:	0 to 40 °C
Ambient Humidity:	20 to 85% RH or less
Status LEDs:	5 digit, 7 segment display
Circuit Protection:	Short circuit Over-voltage Under-voltage Over-temp

Software

Software:	SVX Servo Suite

Downloads

Manuals:	SV200_ServoManual_920-0096B.pdf
Datasheet:	http://s3.amazonaws.com/applied-motion-pdf/SV2B5-Q-AE.pdf
2D Drawing:	SV2B5-Q-AE_RevB.pdf
3D Drawing:	SV2x5.igs
Agency Approvals:	SV200-CE-Cert-EMC-15079710002.pdf SV200-CE-Cert-LVD-15079149002.pdf
Application Notes:	APPN0026B-LabVIEW-communication-using-streaming-commands.zip

Pricing

	SV2B5-Q-AE Part No. SV2B5-Q-AE
1pc.	$643.00
25pc.	$552.98
50pc.	$482.25
100pc.	Request a Quote for 100+ piece pricing.