

BLuDC9-S

Digital Servo Drive

1pc. - \$450.00
50pc. - \$337.50



Product Features

- P&D, torque mode, velocity mode
- 7 digital INs, 3 digital OUTs, all optically isolated
- 2 analog inputs, +/- 10 volt range
- 32 Axis multi-drop capability
- Compatibility with external motion controllers
- RS232 cable and all mating connectors are included
- Sinusoidal Commutation
- Compact Size



Description

The BLuDC series servo drives are suitable for a wide range of motion applications. They are built around a powerful digital signal processor coupled to an efficient MOSFET PWM amplifier. The BLuDC drives include up to 22 optically isolated I/O points plus analog inputs. A sophisticated, yet easy to tune position loop has independent digital settings for proportional, integral and derivative gains plus velocity feedback and velocity and acceleration feedforward.

All BLuDC drives are capable of running brushless, brushed, and linear servo motors. A timing wizard automatically configures the encoder and commutation timing for virtually any brushless or brushed DC motor. Tuning is easy with our Quick Tuner™ software, featuring a built-in digital oscilloscope

Specifications

Model Number	BLuDC9-S
Part Number	5000-093
Supply Voltage	24-48 VDC
Supply Voltage Type	DC
Control Modes	• Step & Direction • Analog Torque / Velocity • Streaming Commands • SiNet Hub Compatible
Output Current, Continuous	9.0 A rms
Output Current, Peak	18.0 A rms
Communication Ports	• RS-232 • RS-485
Feedback	Halls + Incremental encoder
Setup Method	Software setup
Digital Inputs	7
Digital Outputs	3
Analog Inputs	1 differential or 2 single-ended, +/-10volts, 13bits differential
Dimensions	5.35 x 2.90 x 1.48 inches
Weight	10.0 oz
Operating Temperature Range	NA
Ambient Temperature Range	0 to 40 °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 Downloads	• DSP Firmware Downloader • Quick Tuner™ • SCL Utility
Sample Code	•  scldemo.zip

Downloads

Manuals	 BLUDC-S,Q Hardware Manual.pdf  Host Command Reference.pdf
Datasheet	 BLuDC Datasheet.pdf
2D Drawing	 BLuDC9.pdf  BLuDC9 S 3D.pdf
3D Drawing	 BLuDC9 S SimpleModel.igs
Speed-Torque Curves	There are currently no Speed-Torque Curves documents available for this product.
Agency Approvals	There are no related agency approval documents at this time.
Application Notes	 APPN0018 EZ-Series-Touchpanel-HMI.zip  APPN0017 Wiring-integral-holding-brakes.pdf  APPN0016 Simple-25-pin-mating-connections.pdf  APPN0015 Make-a-serial-programming-cable.pdf

Pricing

	BLuDC9-S Part No. 5000-093
1pc.	\$450.00
25pc.	\$387.00
50pc.	\$337.50
100pc.	Contact us for 100+ piece pricing.