

BLuDC9-Si

Si Programmable Servo Drive

1pc. - \$540.00
50pc. - \$405.00


Product Features

- 100 lines of icon based program capability
- Si is heralded for its programming ease
- Animation mode displays operation in real time great for debugging
- 15 digital INs, 7digital OUTs, all optically isolated
- RS232 cable and all mating connectors are included
- Sinusoidal Commutation



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-Si
Part Number	5000-094
Supply Voltage	24-48 VDC
Supply Voltage Type	DC
Control Modes	<ul style="list-style-type: none">• Si Programming
Output Current, Continuous	9.0 A rms
Output Current, Peak	18.0 A rms
Communication Ports	<ul style="list-style-type: none">• RS-232• RS-485
Feedback	Halls + Incremental encoder
Setup Method	Software setup
Digital Inputs	15
Digital Outputs	7
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	<ul style="list-style-type: none">• Short circuit• Over-voltage• Under-voltage• Over-temp

Software

Software Downloads	<ul style="list-style-type: none">• DSP Firmware Downloader• Si Firmware Downloader• Si Programmer™
Sample Code	There are no sample code documents at this time.

Downloads

Manuals	 BLUDC-Si_Hardware_Manual.pdf
Datasheet	 BLuDC_Datasheet.pdf
2D Drawing	 BLuDC9.pdf  BLuDC9_SiQE_3D.pdf
3D Drawing	 BLuDC9_Si_QE_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	 APPN0017_Wiring-integral-holding-brakes.pdf  APPN0016_Simple-25-pin-mating-connections.pdf  APPN0015_Make-a-serial-programming-cable.pdf

Pricing

	BLuDC9-Si Part No. 5000-094
1pc.	\$540.00
25pc.	\$464.40
50pc.	\$405.00
100pc.	Contact us for 100+ piece pricing.