

## BLuDC4-Si

*Si Programmable Servo Drive*

1pc. - \$440.00  
50pc. - \$330.00



### **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 inputs, 7 digital outputs, 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

<b>Model Number</b>	BLuDC4-Si
<b>Part Number</b>	5000-091
<b>Supply Voltage</b>	24-48 VDC
<b>Supply Voltage Type</b>	DC
<b>Control Modes</b>	<ul style="list-style-type: none"><li>• Si Programming</li></ul>
<b>Output Current, Continuous</b>	4.5 A rms
<b>Output Current, Peak</b>	13.5 A rms
<b>Communication Ports</b>	<ul style="list-style-type: none"><li>• RS-232</li><li>• RS-485</li></ul>
<b>Feedback</b>	Halls + Incremental encoder
<b>Setup Method</b>	Software setup
<b>Digital Inputs</b>	15
<b>Digital Outputs</b>	7
<b>Analog Inputs</b>	1 differential or 2 single-ended, +/-10volts, 13bits differential
<b>Dimensions</b>	4.60 x 2.75 x 1.5 (w/ standoffs) inches
<b>Weight</b>	3.1 oz
<b>Operating Temperature Range</b>	NA
<b>Ambient Temperature Range</b>	0 to 40 °C
<b>Ambient Humidity</b>	90% max, non-condensing
<b>Status LEDs</b>	1 red, 1 green
<b>Circuit Protection</b>	<ul style="list-style-type: none"><li>• Short circuit</li><li>• Over-voltage</li><li>• Under-voltage</li><li>• Over-temp</li></ul>

## Software

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

## Downloads

<b>Manuals</b>	 <a href="#">BLUDC-Si_Hardware_Manual.pdf</a>
<b>Datasheet</b>	 <a href="#">BLuDC_Datasheet.pdf</a>
<b>2D Drawing</b>	 <a href="#">BLuDC4.pdf</a>  <a href="#">BLuDC4_noIO_3D.pdf</a>
<b>3D Drawing</b>	 <a href="#">BLuDC_w_EXT_I_O.igs</a>
<b>Speed-Torque Curves</b>	There are currently no Speed-Torque Curves documents available for this product.
<b>Agency Approvals</b>	There are no related agency approval documents at this time.
<b>Application Notes</b>	 <a href="#">APPN0017_Wiring-integral-holding-brakes.pdf</a>  <a href="#">APPN0016_Simple-25-pin-mating-connections.pdf</a>  <a href="#">APPN0015_Make-a-serial-programming-cable.pdf</a>

## Pricing

	<b>BLuDC4-Si</b> Part No. 5000-091
<b>1pc.</b>	\$440.00
<b>25pc.</b>	\$378.40
<b>50pc.</b>	\$330.00
<b>100pc.</b>	<a href="#">Contact us</a> for 100+ piece pricing.