

## **This is a Discontinued Product**

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Contact Kollmorgen Customer Support at  
1-540-633-3545 or email us at [support.kollmorgen.com](mailto:support.kollmorgen.com)  
if assistance is required.



## Specifications

### Power Requirements

90 to 120 VAC single phase, 50/60 Hz, 500 VA max @ 4A

### Current Output Range

0.75 to 4.0 Amps

### Motor Inductance Range

2 to 80 mH

### Input Resolution

200 to 100,000 in increments of 200

### Step & Direction Inputs

Input Voltage 5 to 24\* VDC  
 Input Current 5 to 15 mA  
 Setup Time (Direction) 250 ns  
 Max. Frequency (Step) 2 MHz

### Shutdown Input

Single-Ended Mode Input Voltage (VDC) HIGH: 3.5 V min. to 5 V max.; LOW: 0 V min. to 1.5 V max.  
 Differential Mode (VDC between + and -) HIGH: 2 V min. to 5 V max.; LOW -5 V min. to -2 V max.  
 Input Current (any terminal @ 0 V to Gnd) -1 mA to 15 mA

### Digital Inputs

Input Voltage HIGH: 3 V min. to 24 V max.; LOW: 0 V min. to 1.5 V max.

### Digital Outputs

Current Sink (ON state, Max.) 100 mA  
 Output Voltage (ON state @ 100 mA Max.) 0.4 V  
 Off Voltage (OFF state) 24 V

### Environmental

Operating Ambient Temperature 0 to 50°C  
 Storage Temperature -40 to 80°C  
 Relative Humidity (Max.) 95% non condensing  
 Altitude Above Sea Level 10,000 ft. [3,048 m]

### Thermal Characteristics

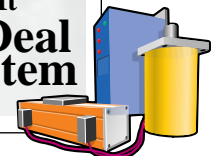
Cooling Internal fan  
 Heat Dissipation @ 4 A (typical) 32 W  
 Dimensions (inches [mm]) H = 5.60 [142]; W = 1.78 [45]; D = 6.37 [162]  
 Weight 1.75 lbs. [0.794 kg]

\*External current-limiting resistor required 12 V and 24 V power supply connections. Use 560 Ω, 1/4 W resistor for 12 V connection. Use 1.3 KΩ resistor for 24 V connection.

*Please see our 800+ page catalog for specifications on our mechanical system and motor offerings. Our complete catalog is online at [www.idcmotion.com](http://www.idcmotion.com).*



Make It  
An **IDEAL**  
System



## How To Order

IMPULSE	Input Power	Capability	Drive Type	Communication	Accessories
<b>IM</b>	—	<b>L</b>	<b>T4</b>		
<b>Input Power</b>		<b>Drive Type</b>		<b>Accessories (order separately)</b>	
L: Line Voltage 120 VAC		T4: Stepper Drive, 4A		FP100: Configuration Keypad	
<b>Capability</b>		<b>Communication</b>		DB25BO: 25 pin D-Shell to screw terminal I/O connector	
M: Motion Node Version		2: RS232		SS-IO: 25 pin D-Shell I/O cable, 2 ft.	
D: Drive Version		4: RS485		SS-IO-6: 25 pin D-Shell I/O cable, 6 ft.	
Note: Application Developer configuration software included.					