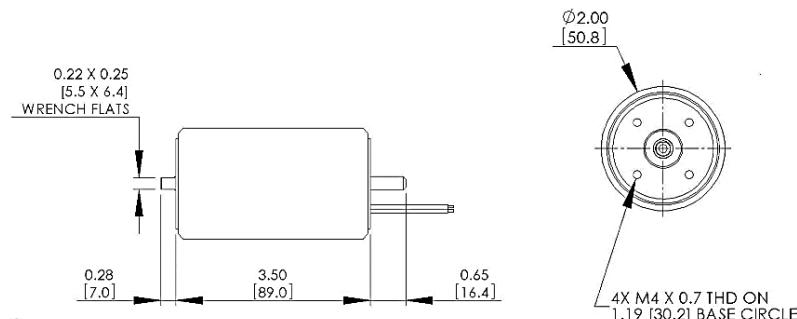


## CUSTOM SOLENOIDS &amp; ACTUATORS

Kendrion Mishawaka

## Linear Sorting Solenoid

Big online retail stores get thousands upon thousands of orders per day. There's obviously a process to get these products shipped off and to the correct location. A slow response time at any point can create frustration and calls to customer service. At Kendrion, we were able to help increase efficiency at distribution centers. We created the Linear Sorting Solenoid (LSS); a bi-stable latching solenoid for package sorting applications. The highlight: speed. The solenoid has a switching time of 16 milliseconds at a stroke of 5/8 of an inch. Speed is a driving factor to sort more boxes in a shorter period of time to get packages to customers quickly. It has replaced the pneumatic assemblies and systems allowing the customer to get rid of the entire pneumatic infrastructure. Another huge aspect of this LSS is the 10 million cycle life. Speed and long-term duration: two critical aspects of making everyone happy.



### Technical Specification

Solenoid Type	Bi-Stable (linear)
Stroke	0.630"
Switching Time	16 ms
Voltage	48V DC
Holding Force	2 lbf currentless / 20 lbf powered
Coil Resistance	8.6 Ω
Response Time	Less than 20 ms
Materials and Finish	Low carbon steel w/ zinc plating
Package Size (H/D/W)	3.5"/2.0"
Cycle Life	>10 Mio strokes
Power Consumption	270 W
Applications / Comments	Package sorting

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