TLX TECHNOLOGIES
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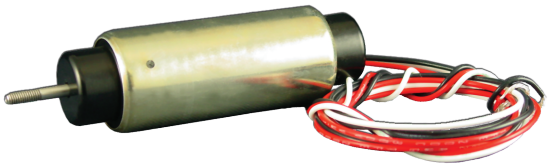
Three-Position Push Pull Solenoid



Description

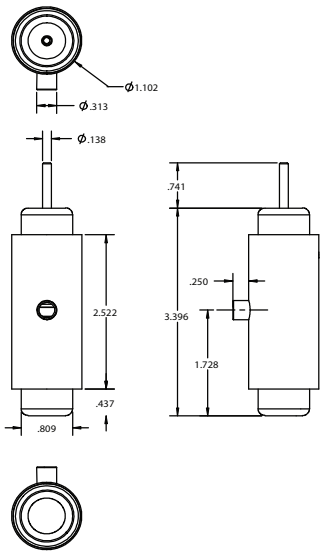
This example of a continuous duty "three-position" solenoid features a push-pull from a center position. The plunger extends into position with the application of power. When the power is removed the plunger returns to the center position. When power is applied to the additional lead, the plunger retracts to the third position and holds with the constant application of power. The plunger returns again to the center position when the power is removed. This design allows for a tighter tolerance and eliminates the need to setup and adjust two springs. Strokes and forces are flexible depending on solenoid size.

Typical Applications

- Security Devices
- Vending Equipment
- Position Controls
- Business Machines
- Door Locks
- Damper Controls

Features & Benefits

- Push-pull from center position
- Lower power consumption
- Increased performance in smaller package
- High cycle life



Typical Specifications *(Custom configurations available)*

Stroke (either direction from center)	1.58 to 25.4 mm (.62 to 1.0 in)
Push-Pull Force (can be designed to specification)	.03 to 4.5 kgf (1 oz to 10 lbs)
Resistance at 20°C	Per voltage requirement
Supply Voltage	3 to 48 Vdc
Duty Rating (%ED)	100% ED
Operating Temperature Range	-40 to 120°C (-40 to 248°F)
Durability	>10M cycles

LATCHING TECHNOLOGY

Capable of holding in position without the constant application of electrical current. Latching technology is well suited for battery operated applications.

HIGH-SPEED TECHNOLOGY

For applications requiring extremely accurate and high speed control of fluids, position or pressure. TLX's technology allows for response times in as little as 200 microseconds.

PROPORTIONAL TECHNOLOGY

For applications requiring accurate and repeatable control, low hysteresis, and a flat force vs. stroke curve. TLX's technology allows for a smaller package size for the same force requirement.

HIGH TEMPERATURE TECHNOLOGY

For applications requiring consistent performance under extremely high operating temperatures. TLX's high temperature technology offers proven operation in ambient temperatures exceeding 500°F (260°C).

ISO 9001:2008 Certified

View more information and read additional case studies on our website at www.tlxtech.com.

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