

Three-Position Latching Solenoid

Description:

This example of latching technology is a three-position device with spring center and latch to end positions. The device can be designed to use either as a permanent magnet or residual magnetism to hold the solenoid in the latched position. Strokes and latching forces are flexible depending on solenoid size.

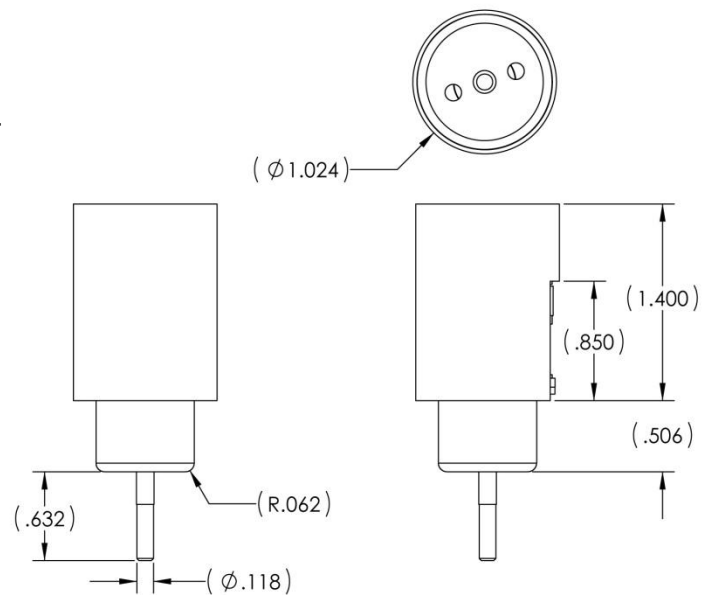


Features:

- Compact design
- High latching forces
- Fast response
- Low power consumption
- Three positions
- Can be designed for specific load holding capability
- Can be designed to configure with customer power requirements

Possible Applications:

- Door locks
- Hydraulic valves
- Position controls
- ATM machines
- Relays
- Web controls
- Cash registers
- Security devices
- Industrial textile



Example Specifications:

English (metric as applies)

Stroke (can be designed to specification)	<.25 in (<6.4 mm)
Latching Force (approx. for size shown)	10 lbs (44 N)
Response Time	< 8 ms
Centering Force	3 ± 1 lb (13 ± 4 N)
Current	12 amps max
Durability	>100M cycles
Coil Resistance at 20°C	5 Ω