

Bistable Latching Solenoid

The bistable latching solenoid uses only a short power pulse to actuate the armature and maintains position without constant power, minimizing power consumption and heat generation. This iteration of the solenoid was originally designed to fit in a tight space. To keep the profile as small as possible, the solenoid uses a steel mounting surface to complete the magnetic circuit. However, the design can easily be modified to mount to other surfaces.

Features & Benefits

- + Does not require constant power to maintain position
- + Low heat generation
- + Low-profile design for small spaces
- + Scalable based on application requirements

Applications

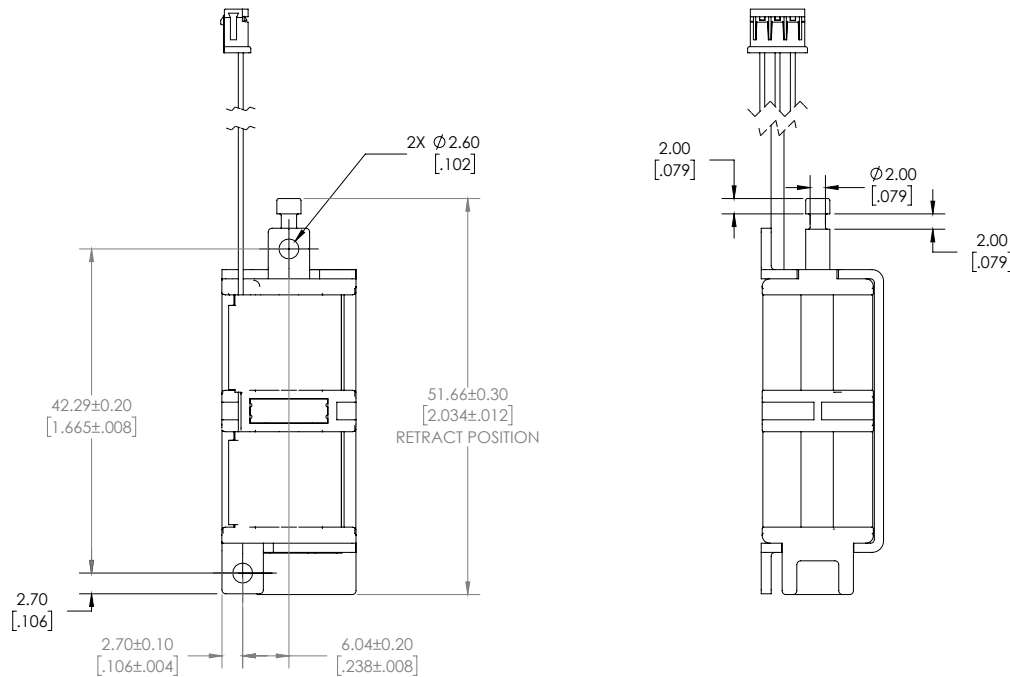
- + Compact locks
- + Battery-operated locks
- + Business equipment

Technical Data (custom configurations available)

- + Stroke: 5 mm $\pm$.20 mm
- + Supply voltage: 12 Vdc
- + Coil resistance at 20°C: 8.0 Ω
- + Operating temperature range: 15°C to 45°C (59°F to 113°F)
- + Duty cycle: 10% max.

All TLX components are customized to fit system requirements, meaning technical specifications are unique to each customer and design. Examples given are for illustration purposes only.

Dimensional Drawings (dimensions in millimeters [inches])



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