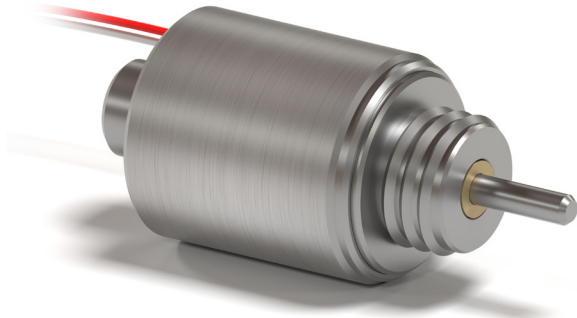




Long-Stroke Latching Solenoid

The long-stroke latching solenoid was designed for an electric braking system. This solenoid used only a short pulse of current to actuate and used a permanent magnet to hold the armature in the latched position without drawing any current. It was so energy efficient that just four AA batteries could power the solenoid for a minimum of 10,000 cycles.

Features & Benefits

- + Compact design
- + 10,000 cycles min. on four AA batteries
- + Customizable force and stroke
- + Optimizable to customer's power requirements

Applications

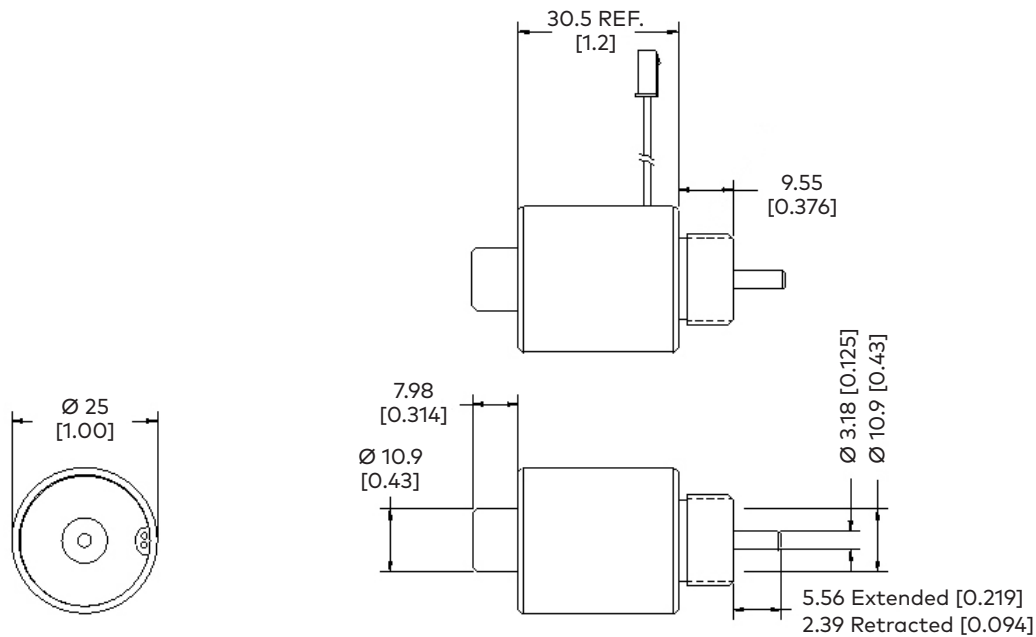
- + Braking systems
- + Banking equipment
- + Locking mechanisms
- + Battery-operated locks
- + Vending equipment
- + Business equipment

Technical Data (custom configurations available)

- + Stroke: 3.175 mm
- + Latching force: 21.13 N
- + Supply voltage: 4.2 to 6.5 Vdc
- + Resistance at 20°C: $2.8 \Omega \pm 0.03 \Omega$
- + Spring load (latched): $13.3 \text{ N} \pm 1.3 \text{ N}$
- + Spring load (de-latched): 4.45 N reference

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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