



Residual Magnetism Latching Solenoid

The residual magnetism latching solenoid used only a short pulse of current to actuate and drew no current to maintain state. In its ready position, a spring held the armature in the de-latched position. When a short pulse of current energized the coil, the resulting magnetic field pulled the armature to the latched position. The solenoid's core retained the magnetic field induced by the pulse of current and held the armature in the latched position.

Features & Benefits

- + Compact design
- + High latching force
- + Low power consumption
- + Customizable latching force
- + Scalable to meet application requirements

Applications

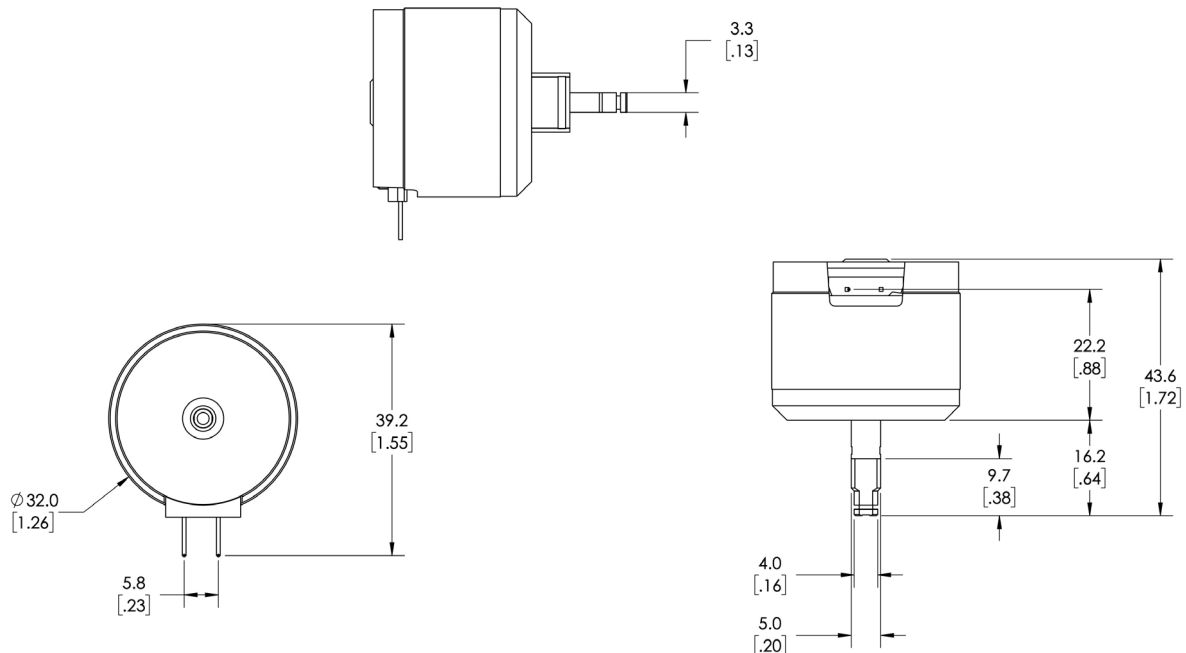
- + Battery-operated locks
- + Business equipment
- + Compact locks
- + Locking mechanisms
- + Medical supply cabinets

Technical Data (custom configurations available)

- + Stroke: 2.5 mm
- + Latching force: 40 N
- + Response time: < 10 ms
- + Release current: 1 A
- + Release response time: 3 ms
- + Release voltage: 12 Vdc
- + Durability: > 500K cycles

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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