

Latching Solenoid

The solenoid's armature is actuated to the latched position with a short power pulse of one polarity and is held in position by a permanent magnet. A power pulse of the opposite polarity counteracts the magnetic field of the permanent magnet, and a spring returns the armature to the de-latched position.

Features & Benefits

- + Compact design
- + Low power consumption
- + Does not require constant power to maintain position
- + Load shifting capability can be specified
- + Configurable to meet application power requirements
- + Ideal for battery-operated applications

Applications

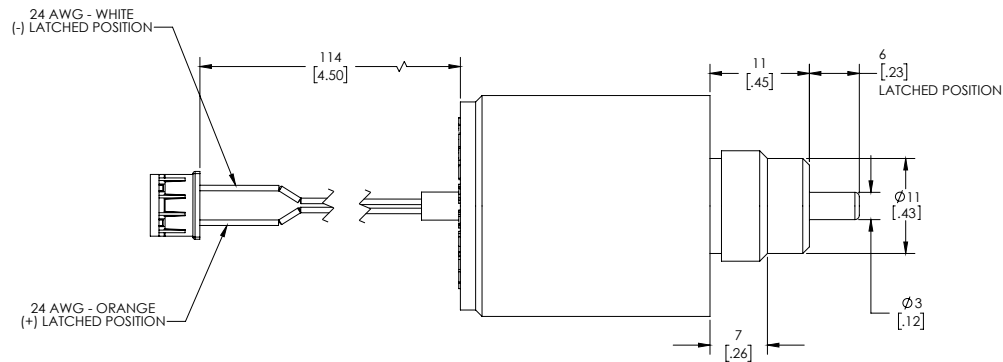
- + Battery-operated locks
- + Business equipment
- + Compact locks
- + Industrial controls
- + Medical equipment
- + Vending equipment

Technical Data (custom configurations available)

- + Stroke: 1.5 mm \pm .508 mm
- + Supply voltage: 4.2 to 6.5 Vdc
- + Coil resistance at 20°C: 2.8 Ω \pm .3 Ω
- + Net latching force: > 21.13 N
- + Spring load (latched position): > 10.23 N
- + Spring load (de-latched position): > 4.45 N
- + Cycle life with 4 AA batteries: > 10K 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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