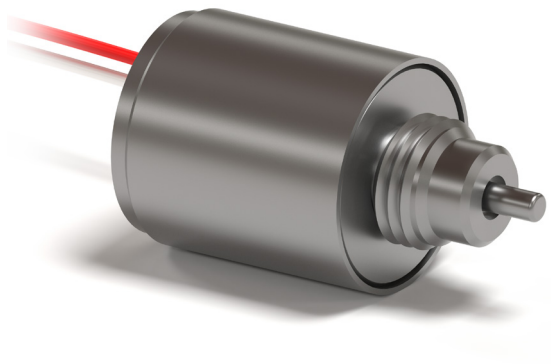

Latching Solenoid

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 ± .508 mm
+ Supply voltage: 4.2 to 6.5 Vdc
+ Coil resistance at 20°C: 2.8 Ω ± .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.

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Dimensional Drawings (dimensions in millimeters [inches])