

## Three-Position Latching Solenoid

The three-position latching solenoid's armature could be fully extended, centered, or fully retracted. The unique design used only one spring to hold the armature in the center position, which made it easier to assemble and improved center-position tolerance. Patented shunt rings were installed next to the poles to increase pull-in force.

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### Features & Benefits

- + Three positions
- + Compact design
- + High latching forces relative to package size
- + Fast response
- + Low power consumption
- + Configurable to customer's power requirements
- + Customizable for specific load-holding capability

### Applications

- + Access systems
- + Banking equipment
- + Medical supply cabinets
- + Locking mechanisms
- + Position control

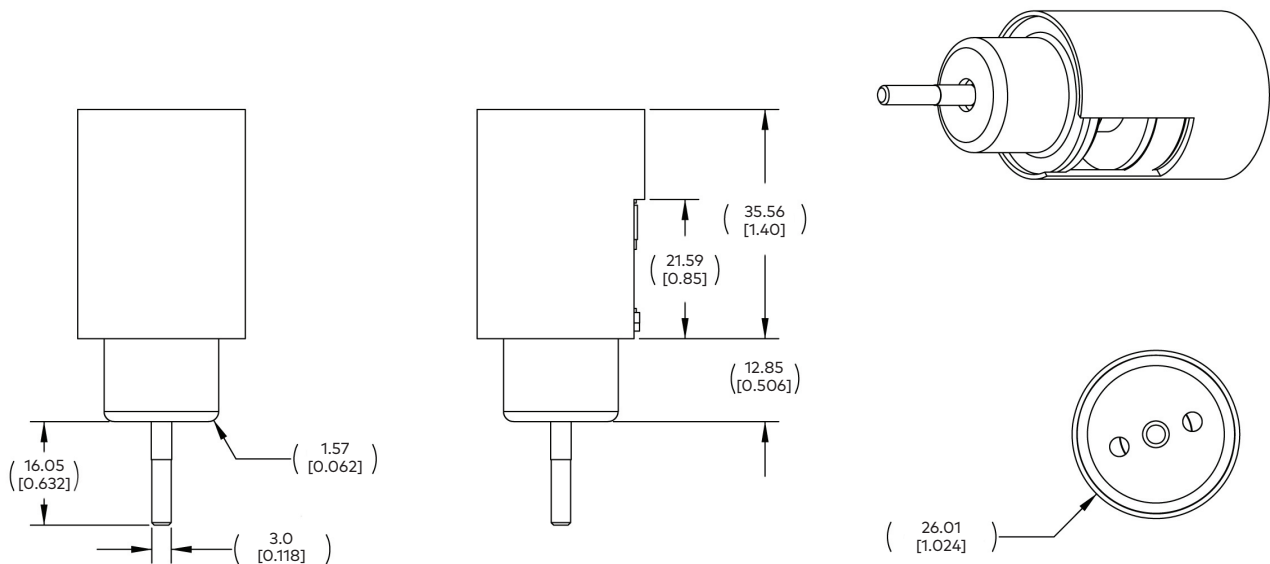
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### Technical Data (custom configurations available)

- + Stroke: < 6.4 mm
- + Latching force: 44 N
- + Response time: < 8 ms
- + Centering force: 13 N  $\pm$  4 N
- + Current: 12 A max.
- + Durability: > 100M cycles
- + Coil resistance at 20°C: 5  $\Omega$

*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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