TLX TECHNOLOGIES
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# Residual Magnetism Latching Solenoid

## Description

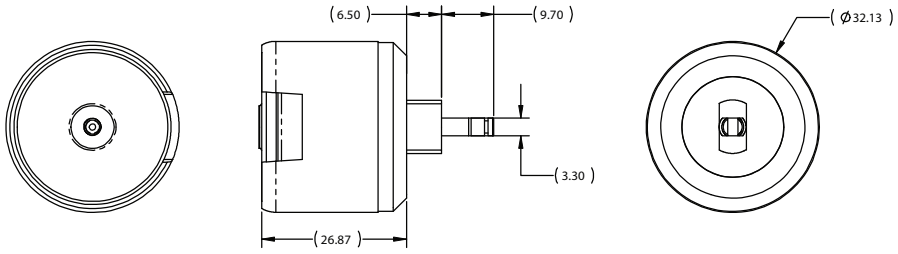
This example of latching technology is a linear on-off design with a built in latching feature that holds the solenoid in the energized position. The solenoid's latching feature utilizes TLX's residual magnetism latching technology and therefore does not require the use of continuous current or permanent magnets to hold in the selected position. Strokes and latching force are flexible depending upon solenoid size.

## Features & Benefits

- Compact design
- High latching forces
- Low power consumption
- Can be designed for specific load holding capability and package size

## Typical Applications

- Electric Locks
- Computer Case Lock
- Battery Operated Locks
- Safety Interlocks
- Medical Supply Cabinets
- Business Equipment




## Typical Specifications *(Custom configurations available)*

| | |
|---|---|
| Stroke (can be designed to specification) | 2.5 mm (.098 in) |
| Latching Force (approx. for size shown) | 40 n (9.0 lbs) |
| Response Time | <10 ms |
| Release Current | 1 amp |
| Release Response | 3 ms |
| Release Voltage | 12 Vdc |
| Durability | >500K cycles |
| Connector Type | As required |

LATCHING TECHNOLOGY Capable of holding in position without the constant application of electrical current. Latching technology is well suited for battery operated applications.

HIGH-SPEED TECHNOLOGY

For applications requiring extremely accurate and high speed control of fluids, position or pressure. TLX's technology allows for response times in as little as 200 microseconds.

PROPORTIONAL TECHNOLOGY

For applications requiring accurate and repeatable control, low hysteresis, and a flat force vs. stroke curve. TLX's technology allows for a smaller package size for the same force requirement.

HIGH TEMPERATURE TECHNOLOGY

For applications requiring consistent performance under extremely high operating temperatures. TLX's high temperature technology offers proven operation in ambient temperatures exceeding 500°F (260°C).

ISO 9001:2015 Certified

***View more information and read additional case studies on our website at www.tlxtech.com.***

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