

Residual Magnetism Latching Solenoid

(Reference #PA0005)

Description:

This is a linear on-off solenoid with a built in latching feature that holds the solenoid in the energized position. The solenoid's latching feature utilizes TLX's residual magnetism 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. Suitable for use in vehicle locks, latches, disconnects and safety cutout applications.



Features:

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

Specifications:

English (metric as applies)

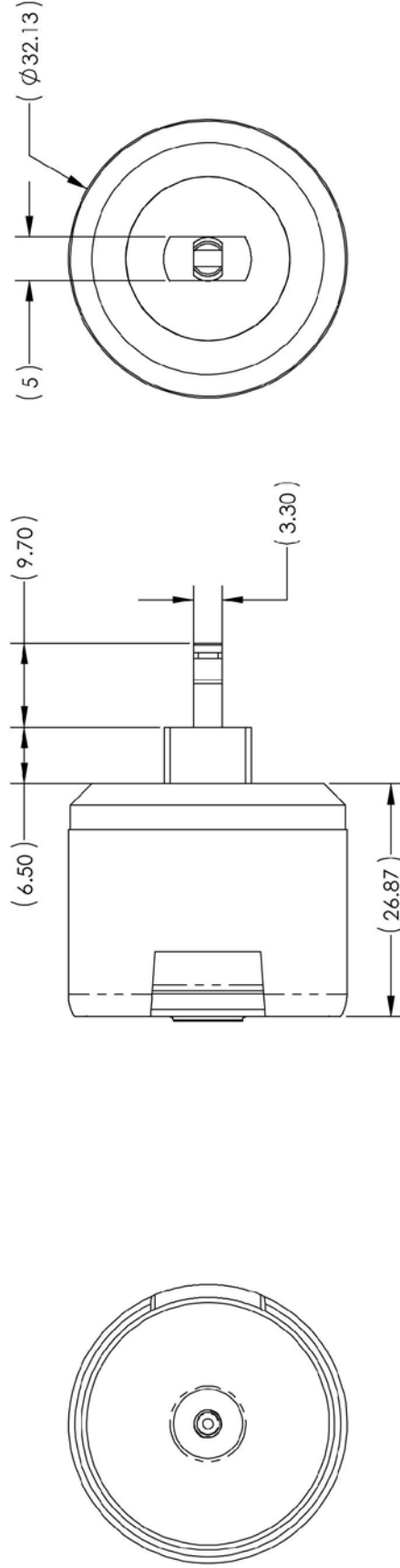
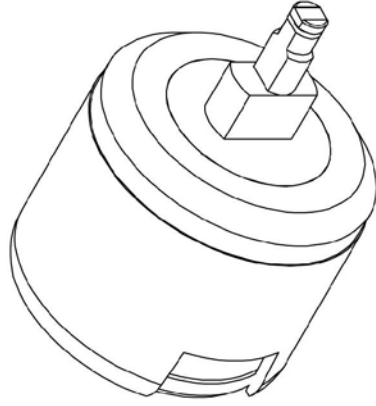
Stroke (can be designed to specification)	.098 in (2.5 mm)
Latching Force (approx. for size shown)	9.0 lbs (40 N)
Response Time	<10 ms
Release Current	1 amp
Release Response	3 ms
Release Voltage	12 Vdc
Durability	>500K cycles
Connector Type	As required

Possible applications:

- Electric locks
- Battery operated locks
- Medical supply cabinets
- Computer case lock
- Safety interlocks
- Business equipment

Typical Specifications:

- Stroke (can be designed to specification) .098 inches (2.5mm)
- Latching force 9 lbs (40 N)
- Response time <10msec
- Release Current 1 amp
- Release Response 3msec
- Release Voltage 12VDC
- Durability >500K cycles
- Connector type As required



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005		NAME JDM	DATE 9/9/9999	TLX TECHNOLOGIES
INTERMET GEOMETRIC TOLERANCING PER: MATERIAL FINISH		DRAWN	CHECKED	TITLE: LATCHING SOLENOID
PROPERTY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TLX TECHNOLOGIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF TLX TECHNOLOGIES IS PROHIBITED.		ENG APPR.	MFG APPR.	SIZE DWG. NO. B PA0005-WEB
DO NOT SCALE DRAWING		COMMENTS: Q.A.		REV A
				SCALE: 2.5:1 WEIGHT: SHEET 1 OF 1