

## Three-Position Latching Solenoid

(Reference #00007)

### Description:

This solenoid is a three-position device with spring center and latch to end positions. Strokes and latching force are flexible depending on solenoid size. The device can use either a permanent magnet or residual magnetism.

### Features:

- Compact design
- High latching forces
- Fast response
- Low power consumption
- Three positions
- Can be optimized for specific load holding capability
- Can be optimized to configure with customer power requirements



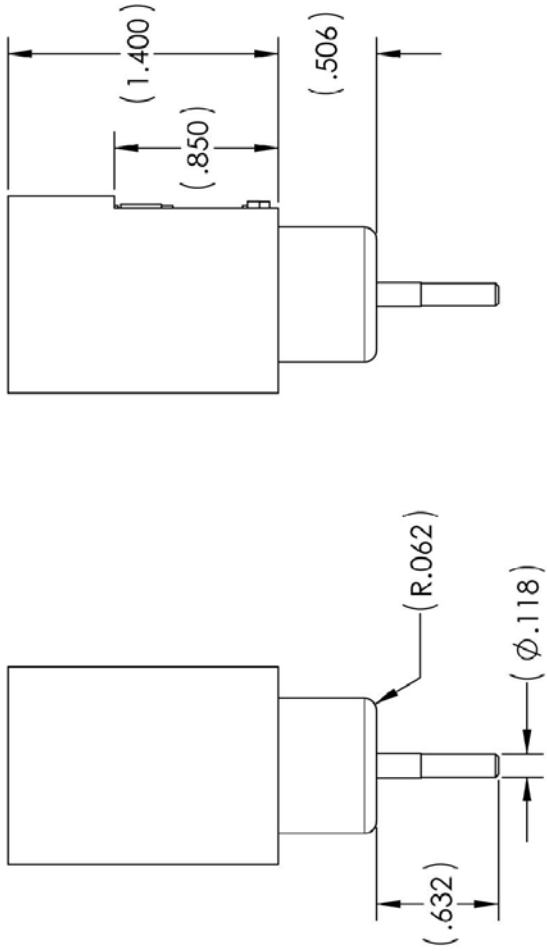
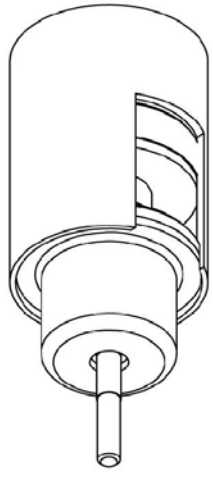
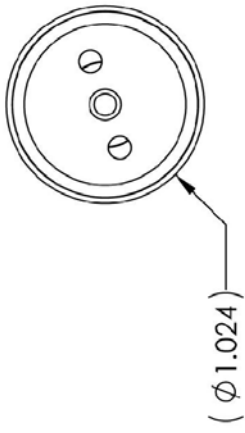
### Specifications:

English (metric as applies)

Stroke (can be designed to specification)	<.25 in (<6.4 mm)
Latching Force (approx. for size shown)	10 lbs (44 N)
Response Time	< 8 ms
Centering Force	3 ± 1 lb (13 ± 4 N)
Current	12 amps max
Durability	>100M cycles
Resistance at 20°C	5 Ω

### Possible applications:

- Door locks
- Hydraulic valves
- Position controls
- ATM machines
- Relays
- Web controls
- Cash registers
- Security devices
- Industrial textile



PERFORMANCE SPECIFICATIONS	
STROKE	< 0.25 inch (<6.4 mm)
LATCHING FORCE	10 lbs. (44 N)
RESPONSE TIME	< 8 msec
CENTERING FORCE	3 ± 1 lb. (13 ± 4 N)
CURRENT	12 amps max
DURABILITY	> 100M cycles
COIL RESISTANCE	5 Ω

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TLX TECHNOLOGIES	
DIMENSIONS ARE IN INCHES		JDM	9/9/9999	TITLE:	
TOLERANCES:		CHECKED		THREE POSITION	
FIRST PLACE DECIMAL ±.01		ENG. APPR.		LATCHING SOLENOID	
THIRD PLACE DECIMAL ±.005		MFG. APPR.		SIZE DWG. NO.	
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.		B 00007-WEB	
MATERIAL		COMMENTS:		REV	
FINISH				SCALE: 2:1	
DOWNSI SCALE DRAWING				WEIGHT:	
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