

# Magnetic Locking Solenoid

## Description:

This example of latching technology is energized to move to the latched position with a short voltage pulse. Once the voltage is removed, the permanent magnet maintains the solenoid in the latched position. The solenoid is spring returned to the de-latched position by providing a short, reverse polarity voltage pulse which cancels the permanent magnet field. Strokes and forces are flexible depending upon solenoid size.

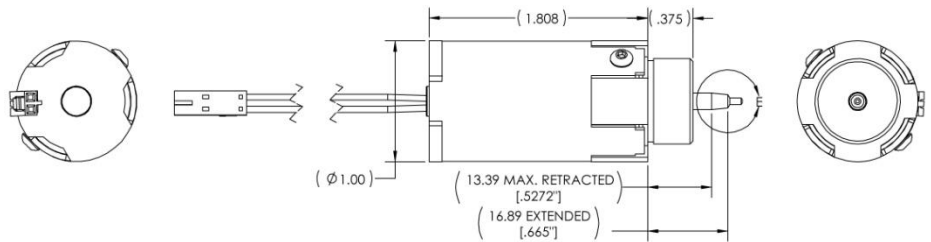


## Features:

- Compact design
- Low power consumption, battery operable
- Fast reaction speed
- Configurable for push or pull operation

## Possible Applications:

- Electric locks
- Spool lock
- Vending equipment
- Sorting/filling equipment
- Business machines
- ATM machines
- Battery operated locks
- Medical equipment



## Example Specifications:

English (metric as applies)

Stroke (can be designed to specification)	.157 in (4 mm)
Coil Resistance at 20°C	16 Ω
Supply Voltage	9 Vdc
Reaction Speed	12-15 ms
Minimum Coil Operating Voltage	4.0 Vdc
Maximum Coil Operating Voltage	9.9 Vdc
Force to Extend (4.0 Vdc)	.786 lb (3.5 N)
Force Retracted (4.8 Vdc)	1.506 lbs (6.7 N)