

Large Latching Solenoid

Description:

This example of latching technology is a linear on-off solenoid with a built in latching feature that holds the solenoid in either position. The latching feature can be achieved by employing TLX's residual magnetism technology or adding permanent magnets. Strokes and latching force are flexible depending upon solenoid size and design requirements.

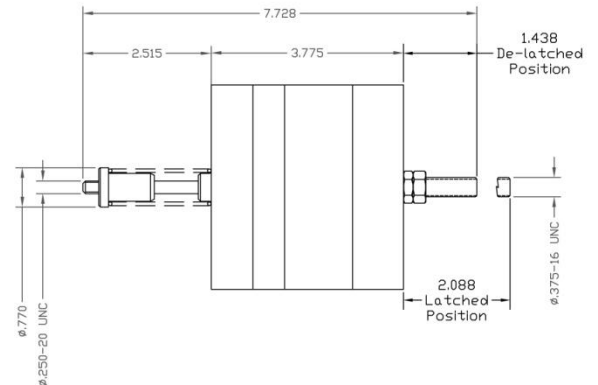
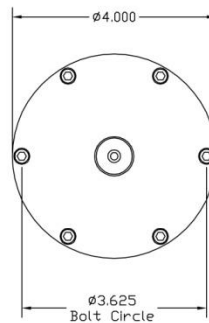


Features:

- High latching forces
- Fast response
- Low power consumption
- Can be designed for specific load holding capability

Possible Applications:

- Switch gear
- Brake systems
- Industrial controls
- Machine controls



Example Specifications:

Metric (English as applies)

| | |
|---|------------------------|
| Stroke (can be designed to specification) | 16.5 mm (.65 in) |
| Pull Force at .65 in | 223 N (50 lbs) |
| Latching Force | 1112 N (250 lbs) |
| Supply Voltage | 48 Vdc |
| Response Time | <30 ms |
| Coil Resistance at 20°C | 1.25 Ω |
| Transition Velocity at Switching | >1 m/sec (>3.3 ft/sec) |
| Durability | >100K cycles |
| Momentary Current Pulse | Up to 40 amps |