

Heavy-Duty Latching Solenoid



The heavy-duty latching solenoid used only a short pulse of current to actuate, drew no current to maintain state, and used a permanent magnet to hold the armature in the latched position. Designed for a manufacturing application, this powerful solenoid had a latching force greater than 222 N and a spring load in the de-latched position of 128 N.

Features & Benefits

- + High latching force
- + Fast response
- + Low power consumption
- + Customizable latching force
- + Scalable to meet application requirements

Applications

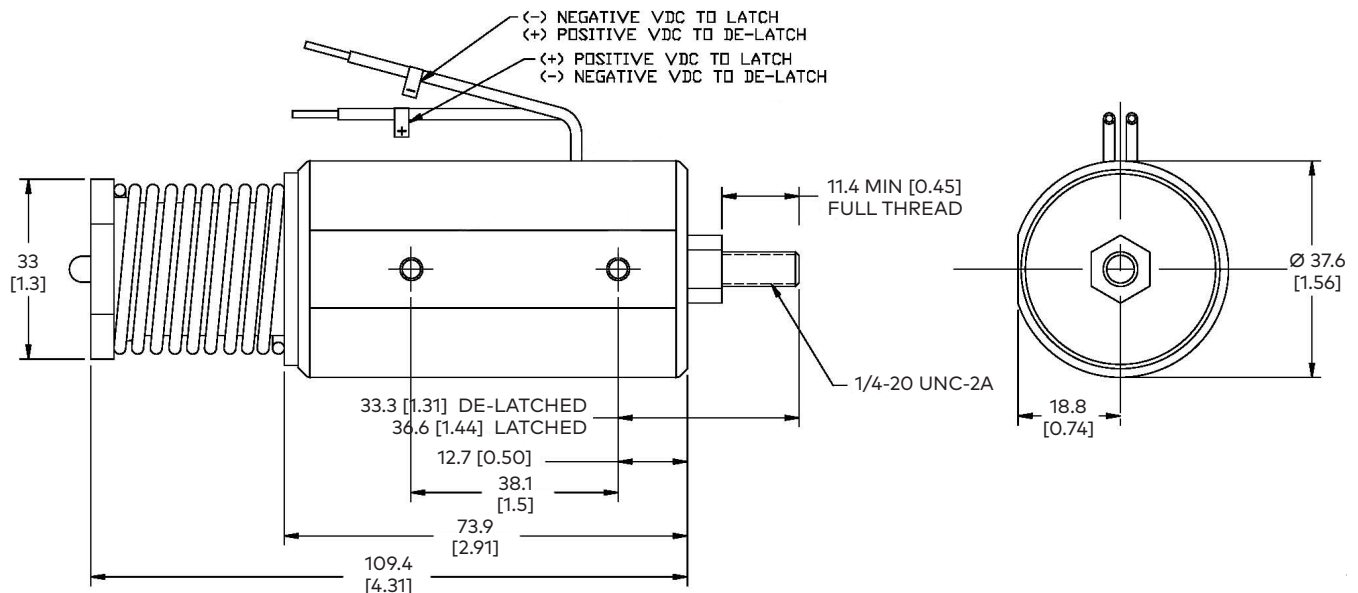
- + Access systems
- + Machine tools
- + Power interrupts
- + Production fixtures
- + Reclosers

Technical Data (custom configurations available)

- + Stroke: 3.3 mm $\pm$ 0.508 mm
- + Latching force: > 222 N
- + Supply voltage: 6, 12, 24 Vdc
- + Response time: 100 ms
- + Coil resistance at 20°C: 0.6 Ω $\pm$ 0.03 Ω
- + Operating temperature range: 10°C to 50°C (50°F to 122°F)
- + Spring load (de-latched position): 178 N
- + Durability: > 100M cycles

All TLX components are customized to fit system requirements, meaning technical specifications are unique to each customer and design. Examples given are for illustration purposes only.

Dimensional Drawings (dimensions in millimeters [inches])



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