

D-Frame Solenoid

The D-frame solenoid was a continuous duty solenoid with a high pull force and a long stroke relative to its package size. This solenoid was designed for the air intake system on a motorcycle. It tolerated contamination and delivered reliable operation under the temperatures, shock, and vibration of a motorcycle-mounted component. Even though the solenoid had a high pull force and long stroke, its current draw was low.

Features & Benefits

- + Compact design
- + Tolerates contamination, shock, and vibration
- + Low power consumption
- + High pull force
- + Long stroke relative to package size

Applications

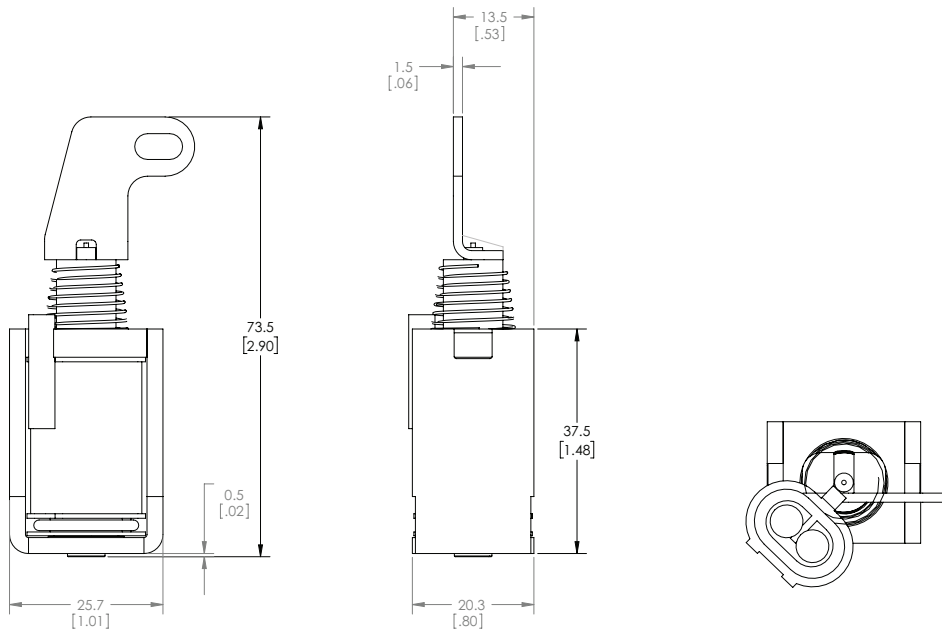
- + Air intake systems
- + Locking mechanisms
- + Machine controls
- + Medical equipment

Technical Data (custom configurations available)

- + Stroke: 7.5 mm
- + Force: > 2 N (throughout stroke at all operating conditions)
- + Supply voltage: 12 to 16 Vdc
- + Operating temperature range: -18°C to 105°C (-0.4°F to 221°F)
- + Response time: 30 ms
- + Durability: 3M 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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