

TL Series

Door Interlock Switches

Features/Benefits

- Push/pull motion
- Multiple mounting configurations
- Wide variety of termination options
- Ratings up to 15 AMPS

Typical Applications

- Computer enclosures
- Panel builders
- Industrial enclosures



Specifications

CONTACT RATING: 15 AMPS @ 125 & 250 V AC; 0.25 AMP @ 250 V DC; 0.5 AMP @ 125 V DC; 1/2 HP @ 125 & 250 V AC; 3 AMPS @ 125 V AC "L".

ELECTRICAL LIFE: 150,000 cycles at 15 AMPS @ 250 V AC.

INSULATION RESISTANCE: 1,000 M ohm min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -67°F to 302°F (-55°C to 150°C).

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Materials

SWITCH HOUSING: Thermoplastic or general purpose phenolic (UL 94V-0).

MOUNTING BRACKET: Stainless steel.

PLUNGER: Stainless steel.

ACTUATOR BUTTON: Thermoplastic (UL 94V-0).

SPRING: Copper alloy.

PIVOT: Brass alloy.

MOVABLE CONTACT: Fine silver.

STATIONARY CONTACTS: Fine silver.

TERMINALS: Copper alloy.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages J-61 and J-62. For additional options not shown in catalog, consult Customer Service Center.

Model

- 11TL** One TM Series SPDT switch
- 12TL** One TM Series SPDT switch
- 23TL** Two TM Series SPDT switches

Terminations

- 60** Screw
- 40** .187" Quick connect
- 4A** .250" Quick connect

Plunger

- 2** Stainless steel, not tapped
- 4** Stainless steel, tapped



MODEL

The technical drawing illustrates the SMC Model 6000 solenoid valve assembly from two perspectives: a front view (left) and a side view (right).

Front View Dimensions:

- Total height: 1.300 [33,02]
- Top flange thickness: .265 [6,73]
- Distance from top flange to centerline: .25 [6,2]
- Distance between mounting holes: .500 [12,7]
- Bottom flange thickness: .51 [13]
- Mounting hole diameter: Ø.25 [6,4]
- Thread specification: 6-32 NC THD. (4)

Side View Dimensions:

- Total width: 1.87 [47,4]
- Solenoid plunger length: .375 MAX. FREE POS. [9,53]
- Minimum operating position: .203 MIN. OPER. POS. [5,16]
- Maximum depressed position: .125 MAX DEPRESSED POS. [3,18]
- Stainless steel plunger diameter: Ø.179 [4,55]
- Coil housing diameter: Ø.21 [5,3]
- Coil winding length: .812 [20,62]
- Terminal block height: .218 [5,54]
- Terminal block width: .84 [21,3]
- Base plate thickness: .26 [6,6]
- Overall base width: 1.59 [40,4]

Labels and Components:

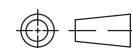
- STAINLESS STEEL PLUNGER
- FLEXIBLE INSULATOR
- Terminal block labels: COM, NO, NC



Snap-acting

[illegible]

Torque screws to
6in lbs max

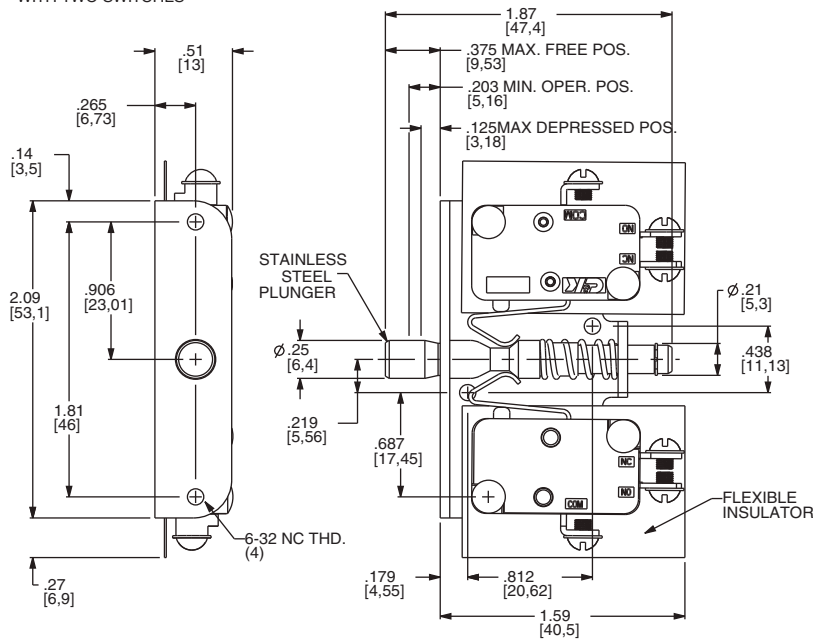


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

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MODEL 

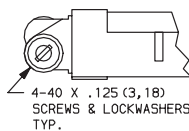
23TL WITH TWO SWITCHES



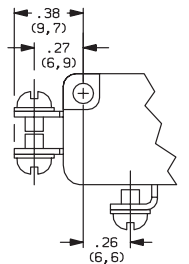
23TL602
SPDT

TERMINATIONS

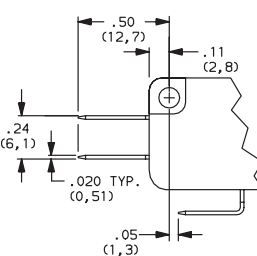
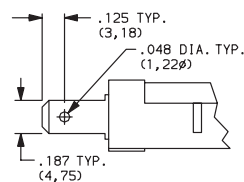
60 SCREW TERMINALS



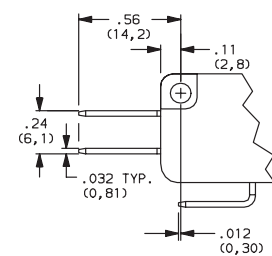
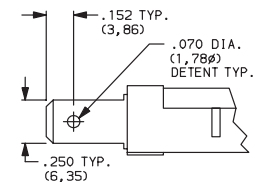
Torque screws to
6in lbs max



40 .187" QUICK CONNECT



4A .250" QUICK CONNECT



PLUNGERS

2 STAINLESS STEEL, NOT TAPPED

4 STAINLESS STEEL, TAPPED 4-40 x .375 (9,52) min. depth



Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change