

TL Series

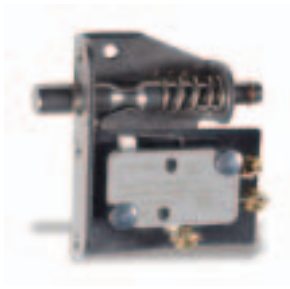
Door Interlock Switches

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 from centerline to bottom flange: .500 [12,7]
- Bottom flange thickness: .51 [13]
- Distance from centerline to mounting hole: .406 [10,31]
- Mounting holes are 6-32 NC THD. (4)

Side View Dimensions:

- Total width: 1.87 [47,4]
- Solenoid plunger diameter: Ø.25 [6,4]
- Plunger length: .179 [4,55]
- Distance from plunger tip to coil start: .218 [5,54]
- Coil length: .84 [21,3]
- Coil outer diameter: Ø.21 [5,3]
- Distance from coil end to terminal box: .125 MAX DEPRESSED POS. [3,18]
- Terminal box width: .203 MIN. OPER. POS. [5,16]
- Terminal box depth: .375 MAX. FREE POS. [9,53]
- Terminal box total width: .812 [20,62]
- Terminal box mounting holes: COM, NO, NC
- Flexible insulator location
- Base plate thickness: .26 [6,6]
- Base plate width: 1.59 [40,4]

Labels:

- STAINLESS STEEL PLUNGER
- FLEXIBLE INSULATOR



Snap-acting

Technical drawing of the 1000 Series Solenoid Valve, showing front and side views with dimensions in inches and millimeters.

Front View Dimensions:

- Overall Width: 1.87 [47,4]
- Top Flange Width: .375 MAX. FREE POS. [9,53]
- Coil Body Width: .203 MIN. OPER. POS. [5,16]
- Bottom Flange Width: .125 MAX DEPRESSED POS. [3,18]
- Coil Body Depth: .305 (2) [7,75]
- Coil Body Diameter: Ø.21 [5,3]
- Coil Body Length: 1.59 [40,3]
- Coil Body Mounting Hole Diameter: Ø.25 [6,4]
- Coil Body Mounting Hole Spacing: 1.50 [38,1]
- Coil Body Mounting Hole Diameter: .51 [13]
- Coil Body Mounting Hole Spacing: .265 [6,73]
- Coil Body Mounting Hole Diameter: .75 [19,1]
- Coil Body Mounting Hole Spacing: .16 [4]
- Coil Body Mounting Hole Diameter: 6-32 NC THD. (5)
- Coil Body Mounting Hole Spacing: 1.81 [46]
- Coil Body Mounting Hole Diameter: .343 [8,71]
- Coil Body Mounting Hole Spacing: .51 [13]

Side View Dimensions:

- Overall Width: 1.87 [47,4]
- Top Flange Width: .375 MAX. FREE POS. [9,53]
- Coil Body Width: .203 MIN. OPER. POS. [5,16]
- Bottom Flange Width: .125 MAX DEPRESSED POS. [3,18]
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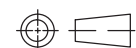
Labels:

- STAINLESS STEEL PLUNGER
- FLEXIBLE INSULATOR

Notes:

- Torque screws to 6in lbs max

Torque screws to
6in lbs max

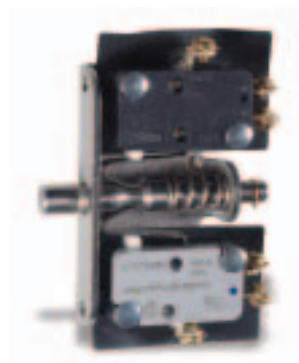
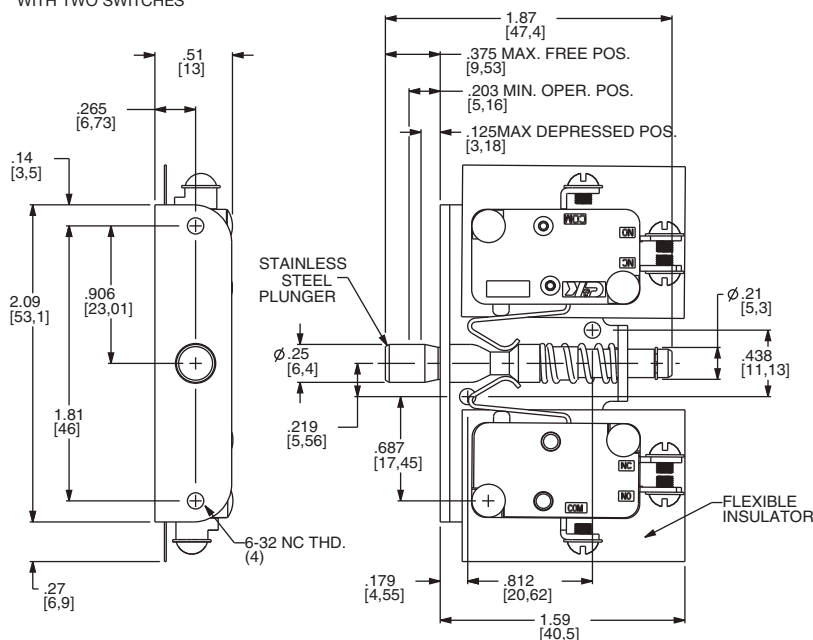


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

TL Series Door Interlock Switches

MODEL

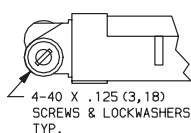
23TL WITH TWO SWITCHES



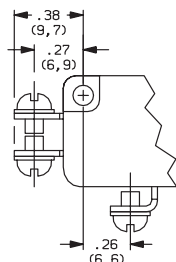
23TL602
SPDT

TERMINATIONS

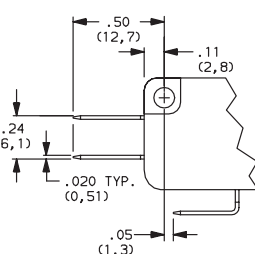
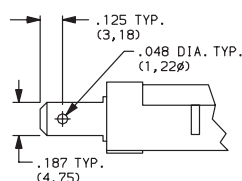
60 SCREW TERMINALS



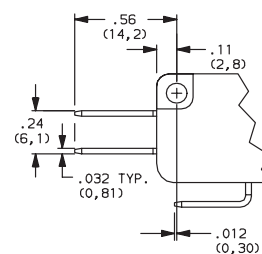
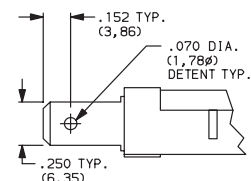
Torque screws to
6in lbs max



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



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