

TL Series

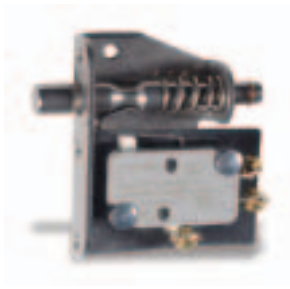
Door Interlock Switches

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:

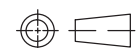
- STAINLESS STEEL PLUNGER
- FLEXIBLE INSULATOR
- Terminal block labels: COM, NO, NC



Snap-acting

[illegible]

Torque screws to
6in lbs max

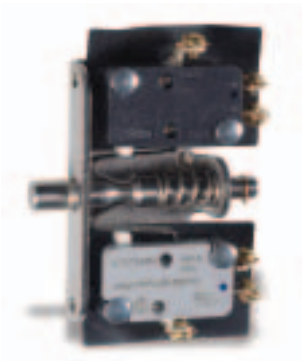
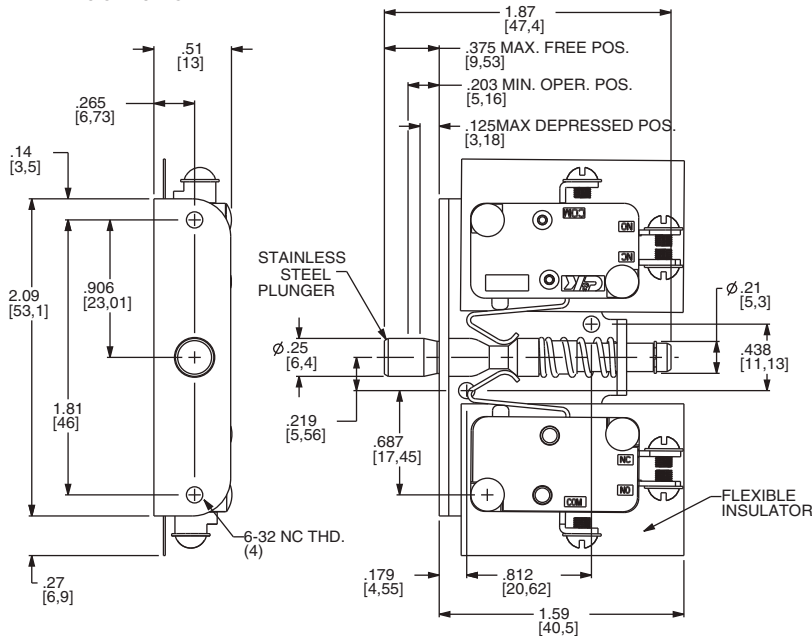


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

TL Series Door Interlock Switches

MODEL

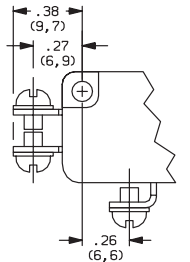
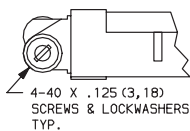
23TL WITH TWO SWITCHES



23TL602
SPDT

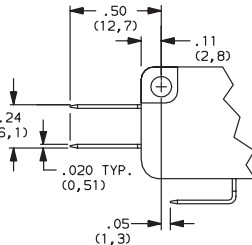
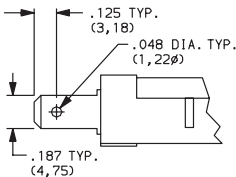
TERMINATIONS

60 SCREW TERMINALS

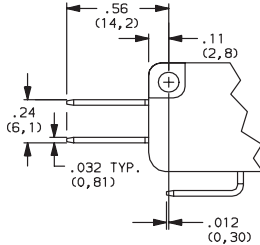
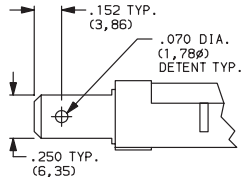


Torque screws to
6in lbs max

40 .187" QUICK CONNECT



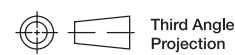
4A .250" QUICK CONNECT



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

www.ck-components.com