

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



Snap-acting

Front View Dimensions:

- Total Height: 1.87 [47,4]
- Top Flange Thickness: .375 MAX.FREE POS. [9,53]
- Main Body Height: .203 MIN. OPER. POS. [5,16]
- Bottom Flange Thickness: .125 MAX DEPRESSED POS. [3,18]
- Flange Width: .305 (2) [7,75]
- Mounting Hole Diameter: Ø.25 [6,4]
- Plunger Length: 3.43 [8,71]
- Plunger Diameter: Ø.25 [6,4]
- Stainless Steel Plunger Label
- Flexible Insulator Label
- Torque screws to 6in lbs max

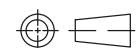
Side View Dimensions:

- Total Width: 1.59 [40,3]
- Top Flange Width: .51 [13]
- Main Body Width: .265 [6,73]
- Mounting Hole Diameter: Ø.25 [6,4]
- Plunger Length: 1.50 [38,1]
- Plunger Diameter: Ø.25 [6,4]
- Stainless Steel Plunger Label
- Flexible Insulator Label
- Torque screws to 6in lbs max

Other Labels:

- 6-32 NC THD. (5)
- .16 [4]
- .75 [19,1]
- 1.50 [38,1]
- 3.43 [8,71]
- .51 [13]
- .265 [6,73]
- 1.87 [47,4]
- .375 MAX.FREE POS. [9,53]
- .203 MIN. OPER. POS. [5,16]
- .125 MAX DEPRESSED POS. [3,18]
- .305 (2) [7,75]
- Ø.25 [6,4]
- 3.43 [8,71]
- 1.59 [40,3]
- 1.50 [38,1]
- Ø.25 [6,4]
- 6-32 NC THD. (5)
- .16 [4]
- .75 [19,1]
- 1.50 [38,1]
- 3.43 [8,71]
- .51 [13]
- .265 [6,73]
- 1.87 [47,4]

Torque screws to
6in lbs max

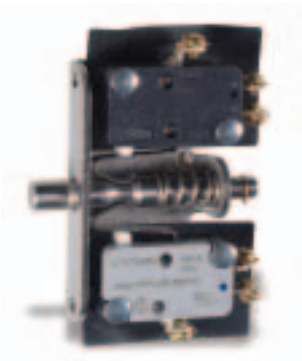
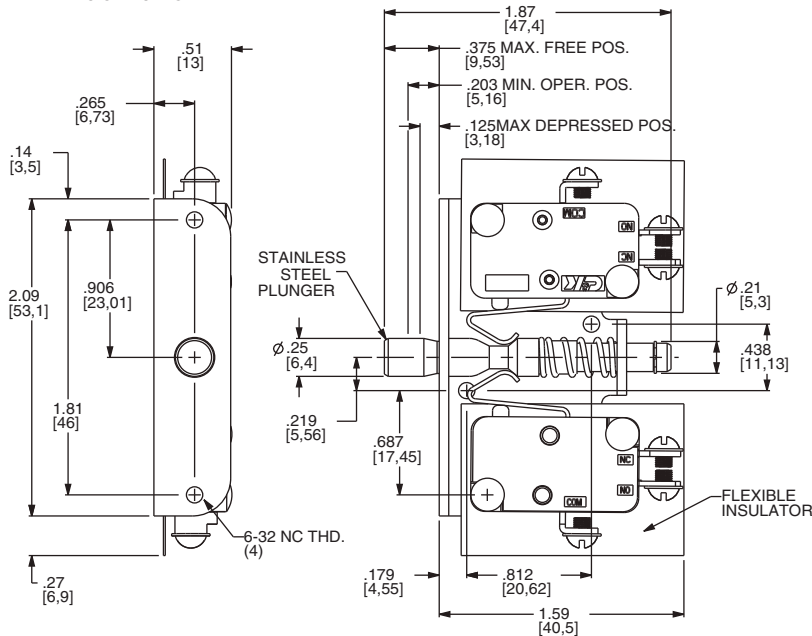


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

TL Series Door Interlock Switches

MODEL

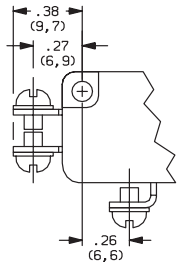
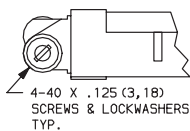
23TL WITH TWO SWITCHES



23TL602
SPDT

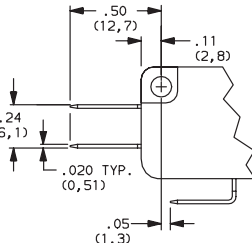
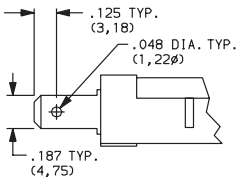
TERMINATIONS

60 SCREW TERMINALS

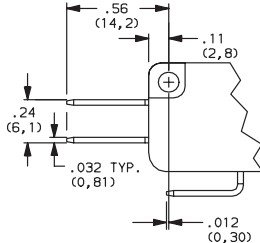
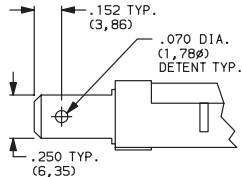


Torque screws to
6in lbs max

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