

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]
- Center-to-center distance between ports: .500 [12,7]
- Port diameter: Ø.25 [6,4]
- Bottom flange thickness: .51 [13]
- Thread specification: 6-32 NC THD. (4)

Side View Dimensions:

- Total width: 1.87 [47,4]
- Solenoid coil length: .375 MAX. FREE POS. [9,53]
- Coil mounting hole offset: .203 MIN. OPER. POS. [5,16]
- Coil mounting hole offset: .125 MAX DEPRESSED POS. [3,18]
- Coil diameter: Ø.21 [5,3]
- Coil length: .812 [20,62]
- Plunger diameter: .179 [4,55]
- Plunger length: .218 [5,54]
- Plunger thread: Ø.25 [6,4]
- Valve body depth: .84 [21,3]
- Base plate thickness: .26 [6,6]
- Base plate width: 1.59 [40,4]

Labels and Callouts:

- STAINLESS STEEL PLUNGER
- FLEXIBLE INSULATOR
- NC (Normally Closed)
- NO (Normally Open)
- COM (Common)



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]
- Coil Body Width: .125 MAX DEPRESSED POS. [3,18]
- Coil Body Width: .305 (2) [7,75]
- Coil Body Width: .343 [8,71]
- Coil Body Width: .51 [13]
- Coil Body Width: .265 [6,73]
- Coil Body Width: .343 [8,71]
- Coil Body Width: 1.50 [38,1]
- Coil Body Width: .75 [19,1]
- Coil Body Width: .16 [4]
- Coil Body Width: 6-32 NC THD. (5)

Side View Dimensions:

- Overall Height: 1.81 [46]
- Coil Body Height: 1.50 [38,1]
- Coil Body Height: .75 [19,1]
- Coil Body Height: .16 [4]
- Coil Body Height: 6-32 NC THD. (5)
- Coil Body Height: .343 [8,71]
- Coil Body Height: .51 [13]
- Coil Body Height: .265 [6,73]
- Coil Body Height: .343 [8,71]
- Coil Body Height: 1.50 [38,1]
- Coil Body Height: .75 [19,1]
- Coil Body Height: .16 [4]
- Coil Body Height: 6-32 NC THD. (5)

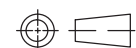
Other Dimensions:

- Coil Body Height: 1.59 [40,3]
- Coil Body Height: .21 [5,3]
- Coil Body Height: .25 [6,4]
- Coil Body Height: .343 [8,71]
- Coil Body Height: .51 [13]
- Coil Body Height: .265 [6,73]
- Coil Body Height: .343 [8,71]
- Coil Body Height: 1.50 [38,1]
- Coil Body Height: .75 [19,1]
- Coil Body Height: .16 [4]
- Coil Body Height: 6-32 NC THD. (5)

Labels:

- STAINLESS STEEL PLUNGER
- FLEXIBLE INSULATOR

Torque screws to 6in lbs max

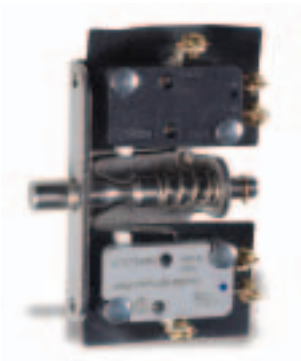
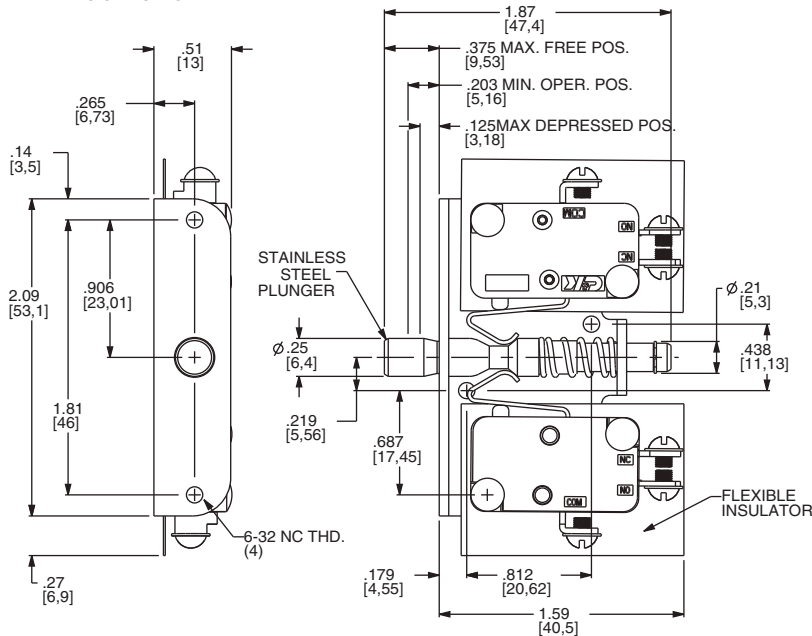


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MODEL

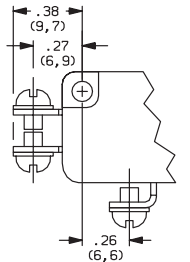
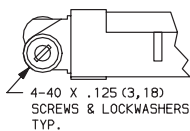
23TL WITH TWO SWITCHES



23TL602
SPDT

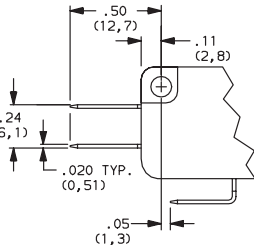
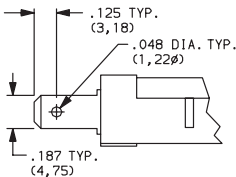
TERMINATIONS

60 SCREW TERMINALS

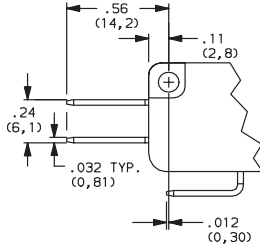
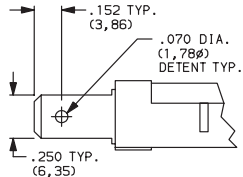


Torque screws to
6in lbs max

40 .187" QUICK CONNECT



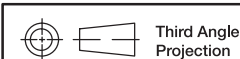
4A .250" QUICK CONNECT



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

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**Стандарт
Электрон
Связь**

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Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

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С нами вы становитесь еще успешнее!

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