

KT Series

Right Angle Sealed Tact Switch for SMT



Features/Benefits

- High shear force with extended bracket
- Easy to pick & place with top plate tab
- Rubber or hard plastic actuator
- Press fit or snap fit caps

Typical Applications

- Telecommunications
- Computer products
- Instrumentation
- Power supply

Specification

CONTACT ARRANGEMENT: SPST, N.O.
TERMINALS: Gullwing type for SMT

Electrical

CONTACT RATING: 1.0 VA max. @ 50 V AC or DC max.
ELECTRICAL & MECHANICAL LIFE: 100,000 make-and-break cycles at full load.
DIELECTRIC STRENGTH: 250 Vrms min. @ sea level.
CONTACT RESISTANCE: Below 50 mΩ typ. initial @ 2-4 V DC, 100 mA.
INSULATION RESISTANCE: 10⁹ Ω min.

Environmental

OPERATING TEMPERATURE: -40°C to 90°C

Process

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).
DEGREE OF PROTECTION: IP57; protection against harmful dust deposits, full-scale voltage protection, temporary immersion.

Packaging

Switches supplied in rigid dispensing tubes or anti-static tape and reels per EIA 481-2 (800 pieces per reel.). Tape and cover strip are conductive for use near statically sensitive components.

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

How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

SWITCH

Actuator

- B0** Soft, flush
- B1** Soft, 0,64 mm
- B2** Soft, 2,24 mm
- P2** Hard, 2,36 mm
- P3** Hard, 1,50 mm
- P4** Hard, 3,96 mm
- S1** ø0,1 mm for caps
- S2** ø0,14 mm with anti-rotation

Orientation

- S** Side actuated

Mounting Bracket

- AM** Right angle
- A1M** Right angle with front solder pad
- A2M** Right angle with front solder pad pick & place tab
- A3M** Right angle with pick & place tab

Contact Plating

- 1** Silver
- 3** Gold

Actuating Force

- 3** 3 N (300 grams)

Color

- (NONE)** No cap
- 0380** Snap fit, high temperature, ivory, ø8 mm

BUTTON

To order buttons in bulk



Button Type

- 02** Press fit, ø4 mm
- 03** Snap fit, high temperature, ø8 mm

Button Color

- 90** Black
- 80** Ivory



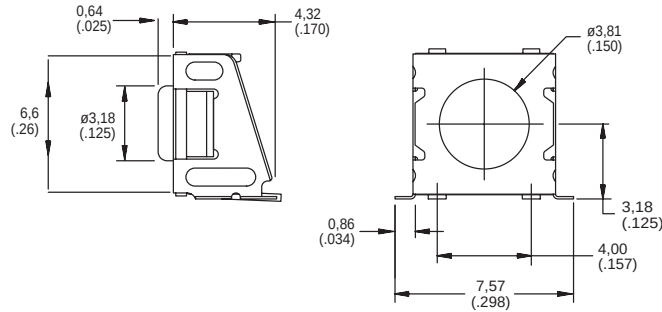
ITT Industries

Cannon

KT Series Right Angle Sealed Tact Switch for SMT

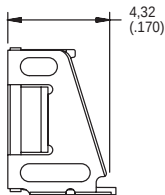
SERIES 

KT11

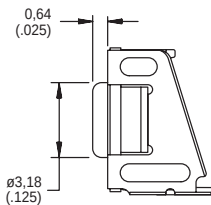


ACTUATOR 

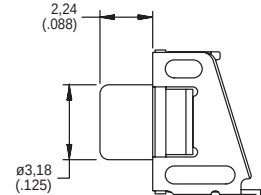
B0 SOFT, FLUSH



B1 SOFT, 0.64 mm

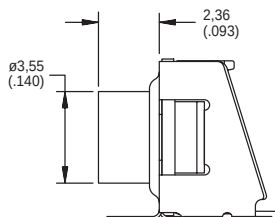


B2 SOFT, 2.24 mm

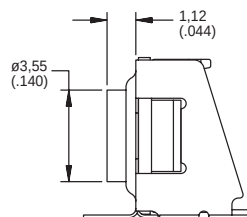


B0, B1 & B2 available with A & A1 mounting bracket only.

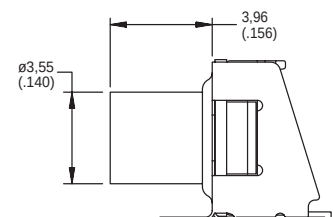
P2 HARD, 2.36 mm



P3 HARD, 1.12 mm

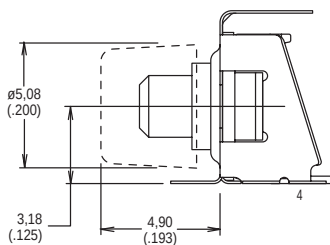


P4 HARD, 3.96 mm

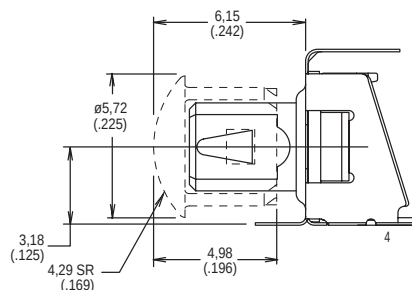


P4 recommended with A1 & A2 mounting bracket only.

S1 $\varnothing 0.1$ mm FOR PRESS FIT CAPS



S2 $\varnothing 0.14$ mm FOR SNAP FIT CAPS



S1 & S2 preferred with A1 & A2 mounting bracket only.



Dimensions are shown: mm (inch)
Dimensions subject to change

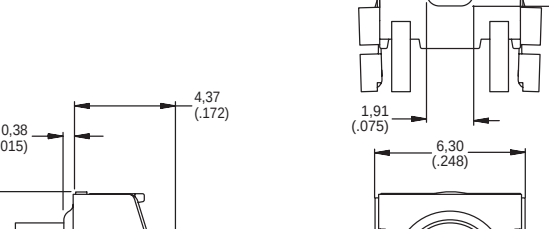
ORIENTATION

MOUNTING BRACKET

A1M RIGHT ANGLE WITH FRONT SOLDER PAD

Technical drawing of a square flange with four mounting tabs. The drawing includes three views: a top view, a side view, and a front view. Dimensions are provided in inches and millimeters.

- Top View:** Shows a square flange with a central circular hole. The total width of the flange is 7.57 inches (193 mm). The distance from the center of the hole to the center of each mounting tab is 4.00 inches (102 mm). The width of each mounting tab is 0.86 inches (22 mm).
- Side View:** Shows the profile of the flange. The total height is 4.32 inches (110 mm).
- Front View:** Shows the flange with a central circular hole. The distance from the center of the hole to the center of each mounting tab is 1.91 inches (48 mm).



Technical drawings of the 1000 Series 1/2" (12.7mm) ball bearing unit, showing side, front, and top views with dimensions in inches and millimeters.

Side View Dimensions:

- Overall height: 6.60 MAX. (.260)
- Top flange thickness: 0.38 (.015)
- Top flange width: 4.37 (.172)
- Bottom flange thickness: 0.10 (.004)
- Bottom flange width: 4
- Bottom flange offset: 1.70 (.067)
- Bottom flange width (inner): 3.43 (.135)
- Bottom flange width (outer): 2.90 (.114)

Front View Dimensions:

- Overall width: 6.30 (.248)
- Overall height: 7.77 (.306)
- Top flange width: 1.91 (.075)
- Bottom flange width: 4.01 (.158)
- Bottom flange offset: 0.86 TYP. (.034)
- Bottom flange width (inner): 2
- Bottom flange width (outer): 4
- Bottom flange offset (right): 0.76 (.030)

Top View Dimensions:

- Overall width: 6.30 (.248)
- Overall height: 7.77 (.306)
- Top flange width: 1.91 (.075)
- Bottom flange width: 4.01 (.158)
- Bottom flange offset: 0.86 TYP. (.034)
- Bottom flange width (inner): 2
- Bottom flange width (outer): 4
- Bottom flange offset (right): 0.76 (.030)

A3M RIGHT ANGLE WITH PICK & PLACE TAB

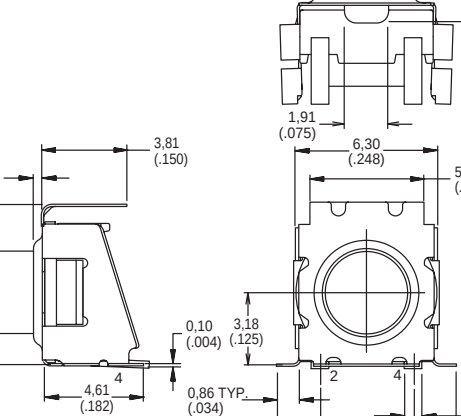
Technical drawings of the 1000 Series Solenoid Valve showing front, side, and top views with dimensions in inches and millimeters.

Front View Dimensions:

- Overall Width: 6.30 (248)
- Overall Height: 5.08 (200)
- Top Flange Width: 4.57 (180)
- Top Flange Thickness: 0.86 (034)
- Top Flange to Body Distance: 2.03 (080)
- Body Width: 1.91 (075)
- Body Height: 0.86 (034)
- Body to Base Distance: 0.10 (004)
- Base Width: 4.61 (182)
- Base Height: 0.36 (015)
- Base to Body Distance: 3.81 (150)
- Base to Top Flange Distance: 7.11 (280)
- Base to Body Distance: 0.86 TYP (034)
- Base to Body Distance: 4.01 (158)
- Base to Body Distance: 7.77 (306)
- Base to Body Distance: 0.76 (030)
- Base to Body Distance: 2
- Base to Body Distance: 4

Side View Dimensions:

- Overall Width: 6.30 (248)
- Overall Height: 5.08 (200)
- Top Flange Width: 4.57 (180)
- Top Flange Thickness: 0.86 (034)
- Top Flange to Body Distance: 2.03 (080)
- Body Width: 1.91 (075)
- Body Height: 0.86 (034)
- Body to Base Distance: 0.10 (004)
- Base Width: 4.61 (182)
- Base Height: 0.36 (015)
- Base to Top Flange Distance: 7.11 (280)
- Base to Body Distance: 0.86 TYP (034)
- Base to Body Distance: 4.01 (158)
- Base to Body Distance: 7.77 (306)
- Base to Body Distance: 0.76 (030)
- Base to Body Distance: 2
- Base to Body Distance: 4



Technical drawing of the 1000 Series 1/2" component, showing three views: a side view (left), a top view (top right), and a front view (bottom right). Dimensions are provided in inches and millimeters.

Side View (Left):

- Overall height: 7.11 (.280)
- Top flange thickness: 0.38 (.015)
- Top flange width: 3.81 (.150)
- Bottom flange thickness: 0.10 (.004)
- Bottom flange width: 4.61 (.182)
- Bottom flange offset: 4

Top View (Top Right):

- Overall width: 6.30 (.248)
- Overall depth: 5.08 (.200)
- Top flange thickness: 0.86 (.034)
- Top flange offset: 1.91 (.075)

Front View (Bottom Right):

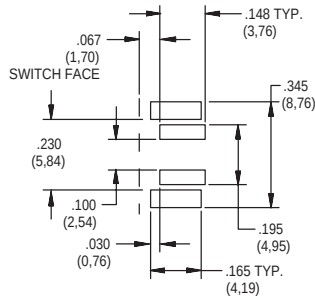
- Overall width: 7.77 (.306)
- Overall height: 0.76 (.030)
- Top flange thickness: 0.86 TYP. (.034)
- Top flange offset: 4.01 (.158)
- Bottom flange thickness: 0.10 (.004)
- Bottom flange width: 4
- Bottom flange offset: 2
- Bottom flange offset: 4
- Bottom flange offset: 3.18 (.125)



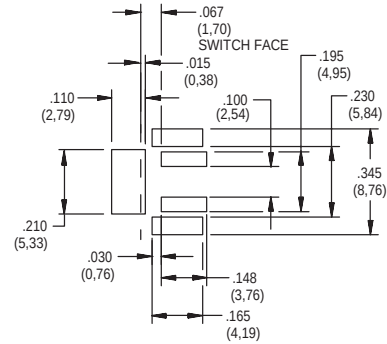
KT Series Right Angle Sealed Tact Switch

MOUNTING BRACKET

PAD LAYOUT
AM & A3M Mounting Bracket



PAD LAYOUT
A1M & A2M Mounting Bracket



ACTUATING FORCE

OPTION CODE	FORCE
3	3 N (300 grams)

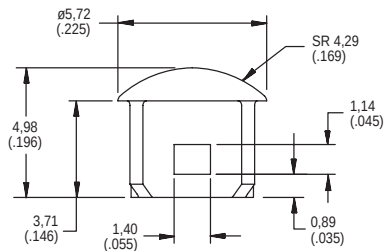
CONTACT PLATING

OPTION CODE	MATERIAL
1	SILVER
3	GOLD

BUTTON

(NONE) NO BUTTON

0380 SNAP FIT, HIGH TEMPERATURE, ivory, Ø8 mm

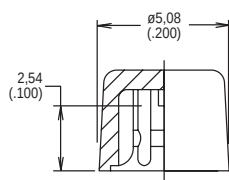


BUTTON

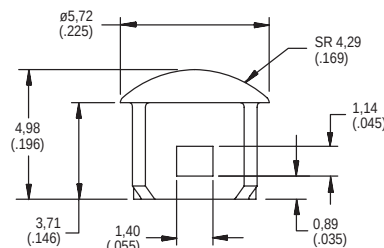
To order buttons in bulk

Button Type

02 PRESS FIT, Ø4 mm



03 SNAP FIT, HIGH TEMPERATURE, Ø8 mm



Button Color

OPTION CODE	BUTTON COLOR
90	BLACK
80	IVORY

