

Features/Benefits

- Compact size 6 x 6 mm
- Variety of actuator lengths
- Choice of actuation force
- RoHS compliant and compatible

Typical Applications

- Consumer products
- Instrumentation
- Computer products
- Industrial

Specification

FUNCTION: Momentary action CONTACT ARRANGEMENT: SPST, N.O.

TERMINALS: PC pins

Mechanical

LIFE EXPECTANCY: 100,000 operations.

Electrical

CONTACT RATING: 50 mA @ 12 V DC. DIELECTRIC STRENGTH: 250 V AC min. CONTACT RESISTANCE: 100 m Ω max. initial. INSULATION RESISTANCE: $10^{11} \Omega$ min.

Environmental

OPERATING TEMPERATURE: -40°C to 85°C STORAGE TEMPERATURE: -40°C to 85°C

Process

SOLDERING: Preheating to 100°C for 45 sec. max. Keep flux flush with top surface of PCB; do not apply to component side of PCB and area where terminals are located. Soldering to 255°C for 5 sec. max. Clean by brushing on solder surface. Do not clean switch with solvents.

Packaging

Bulk packaging

Tape & reel for the SMT type:

Reels of 1,000 pieces for 4.3 and 5.0 mm height Reels of 700 pieces for 7.0 mm height Reels of 700 pieces for 7.3 mm height Reels of 500 pieces for 9.5 mm height

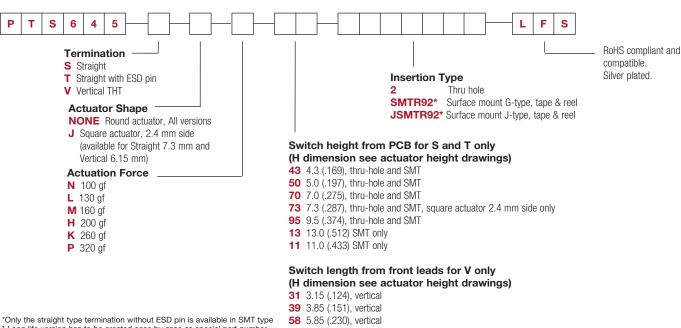
Reels of 400 pieces for 13.0 mm height

NOTE

- Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center
- The PTS series is not certified for using in Automotive application and no PPAP. However, in the case of some automotive accessories and specific applications for 2 and 3 wheeled vehicles the PTS is widely used and very suitable. Please contact your local C&K representative to discuss your application and the best switch solution.

How To Order

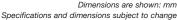
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and and place it in the appropriate box.



Long life version has to be created case by case as special part number

61 6.15 (.242), vertical, square actuator 2.4 mm side only

83 8.35 (.329), vertical



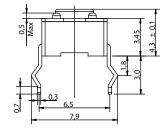
www.ckswitches.com

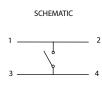


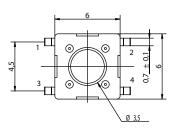
TERMINATION

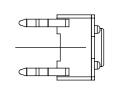
S STRAIGHT

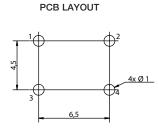




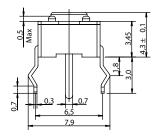


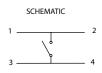


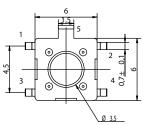


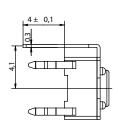


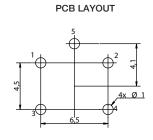
T STRAIGHT WITH ESD PIN







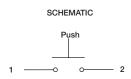


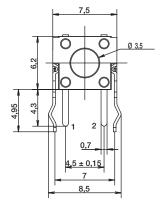


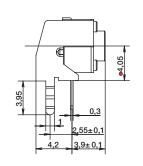
V VERTICAL THT

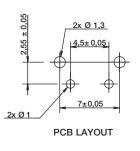














First Angle Projection

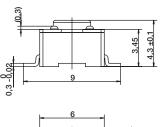
Dimensions are shown: mm Specifications and dimensions subject to change



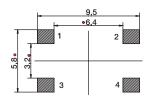
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TERMINATION

SMT G Type

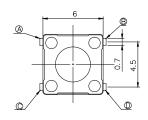




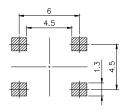


PCB LAYOUT

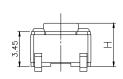
SMT J Type







Ø 0.1 6.6±0.5



PCB LAYOUT

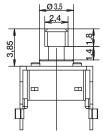


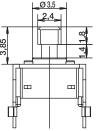


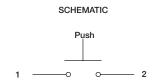
ACTUATOR SHAPE

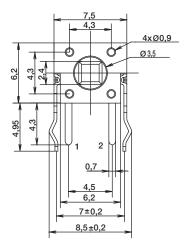
J SQUARE ACTUATOR

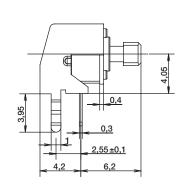
VERTICAL THT - FOR 6.15MM LENGTH ONLY

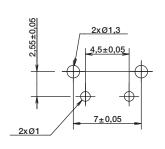






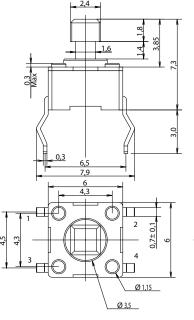


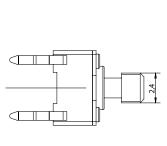


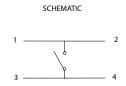


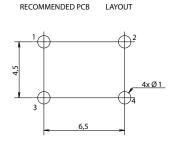
RECOMMENDED PCB LAYOUT

STRAIGHT THT - FOR 7.3MM HEIGHT ONLY











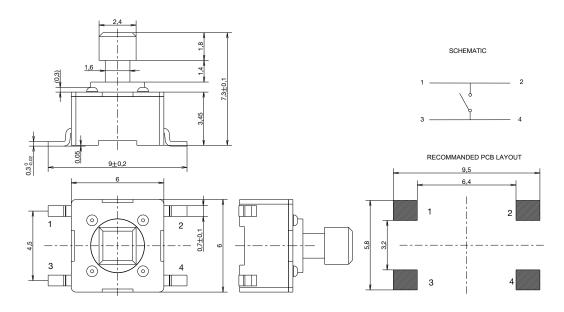
Dimensions are shown: mm Specifications and dimensions subject to change



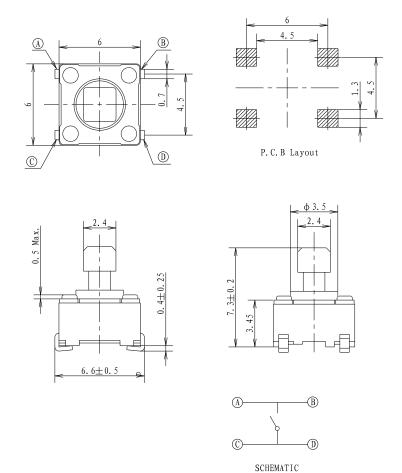
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ACTUATOR SHAPE

STRAIGHT SMT G TYPE - FOR 7.3MM HEIGHT ONLY



STRAIGHT SMT J TYPE - FOR 7.3MM HEIGHT ONLY





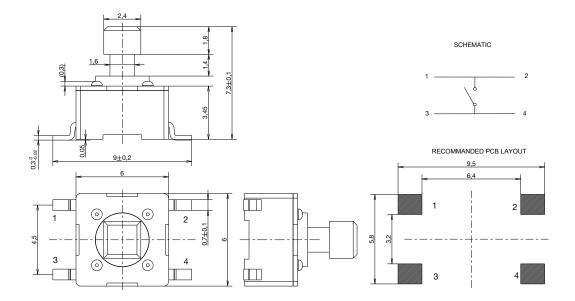
Dimensions are shown: mm Specifications and dimensions subject to change



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ACTUATOR SHAPE

STRAIGHT SMT - FOR 7.3MM HEIGHT ONLY







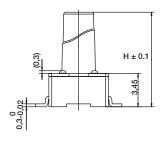


П

ACTUATION FORCE

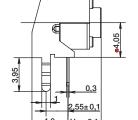
| OPTION CODE | FORCE | |
|----------------|-----------------|--|
| L | 130 grams Black | |
| M | 160 grams Blue | |
| Н | 200 grams Gray | |
| K | 260 grams Red | |

ACTUATOR HEIGHT



Switch height from PCB for S and T only

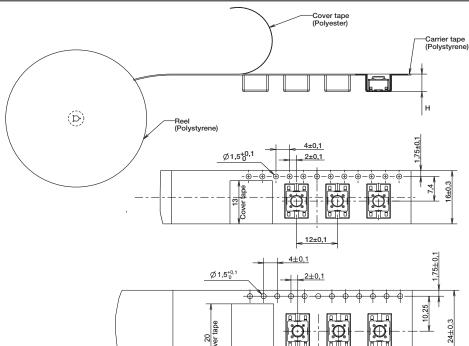
| OPTION CODE | DIMENSION H | TERMINATION | SCHEMATIC Without EMC pin With EMC pir | |
|----------------------------|---|---|--|-------|
| 43 50 70 95 13 | 4,3 (.169) 5,0 (.197) 7,0 (.275) 9,5 (.374) 13,0 (.512) | Thru-hole and SMT Thru-hole and SMT Thru-hole and SMT Thru-hole and SMT SMT | 10——02 30——04 | 30 04 |



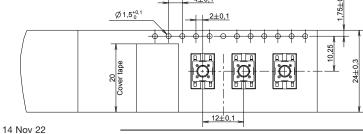
Switch length from front leads for V only

| OPTION CODE | DIMENSION H | TERMINATION | SCHEMATIC Without EMC pin With EMC pin | |
|----------------|-------------|-------------|--|---|
| 31 | 3,15 (.124) | Vertical | | |
| 39 | 3,85 (.151) | Vertical | | 10 |
| 58 | 5,85 (.230) | Vertical | | · • • • • • • • • • • • • • • • • • • • |
| 83 | 8,35 (.329) | Vertical | | |

TAPE & REEL FOR SMT G TYPE VERSIONS



| OPTION CODE | WIDTH TAPE | POCKET HEIGHT |
|----------------|---------------------|------------------|
| 43 | 16 _± 0.3 | 5.3 |
| 50 | 16 _± 0.3 | 5.3 |
| 70 | 16 _± 0.3 | 7.3 |
| 73 | 16 _± 0.3 | 7.6 |
| 95 | 24 ± 0.3 | 10.3 |
| 13 | 24 _± 0.3 | 13.3 |

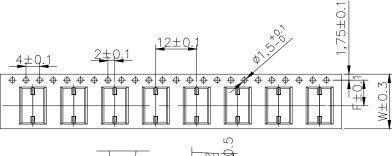




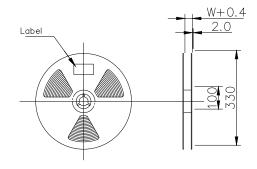
Dimensions are shown: mm Specifications and dimensions subject to change



TAPE & REEL FOR SMT J TYPE VERSIONS







Tape specifications

| Product height (H)mm | Carrier tape width (W)mm | Center distance of carrier tape (F)mm | pcs/reel |
|-------------------------|--------------------------------|---|----------|
| 4.3 | 16 | 7.5 | 1000 |
| 5.0 | 16 | 7.5 | 1000 |
| 7.0 | 16 | 7.5 | 700 |
| 7.3 | 16 | 7.5 | 700 |
| 9.5 | 24 | 11.5 | 500 |
| 11 | 24 | 11.5 | 500 |
| 13 | 24 | 11.5 | 500 |

Note: The disc rotates counterclockwise. According to the packing shown in the figure, the braid must not be twisted to prevent product deformation;

