

K5V

Right Angle Lighted THT Tact Switch

Features

- Gold plated dome contact SPST/SPDT
- Excellent ergonomie
- High bright leds
- Reduced space usage on board
- 50 N overload
- Lead free compliant

Typical Applications

- When backlighting and switch are required to be a "2 in 1" component
- The dome contact secures a superior contact reliability in time
- The ergonomie of K5V provides a long travel, a sharp tactile feel and a sound click



Specification

FUNCTION: momentary action
 CONTACT ARRANGEMENT: Normally Open + Normally Closed
 TERMINALS: Through hole terminals with positioning pegs.
 Terminals keying in option

Mechanical

Type	Operating force FA ¹ Newtons (grams)	Operating life (operations)	Travel (total travel) mm(mm)
K5V10023T	2.0 (200)	100,000	0.6 (2.5)
K5V10043T	4.5 (450)	30,000	1.2 (2.5)

¹) Tolerances of operating force FA is $\pm 25\%$.

Packaging

70 pieces per tray
 350 pieces per box

Electrical

POWER MIN/MAX: 0.02VA / 1.0VA
 VOLTAGE MIN/MAX: 20mVdc – 32 Vdc
 CURRENT MIN/MAX dc: 0.05mA (gold) – 100mA (silver)
 CONTACT RESISTANCE: <100mOhms
 INSULATION RESISTANCE: >1GOhms initial, >10MOhms after damp heat
 BOUNCE TIME: <5ms

Environmental

OPERATING TEMPERATURE: -40 C TO 85 C
 STORAGE TEMPERATURE: -50 C TO 85 C
 RELATIVE HUMIDITY: 90 to 96% according to NF EN 60068-2-30
 OVERLOAD: 50N min
 SHEAR TEST THROUGH HOLE: 90N

Process

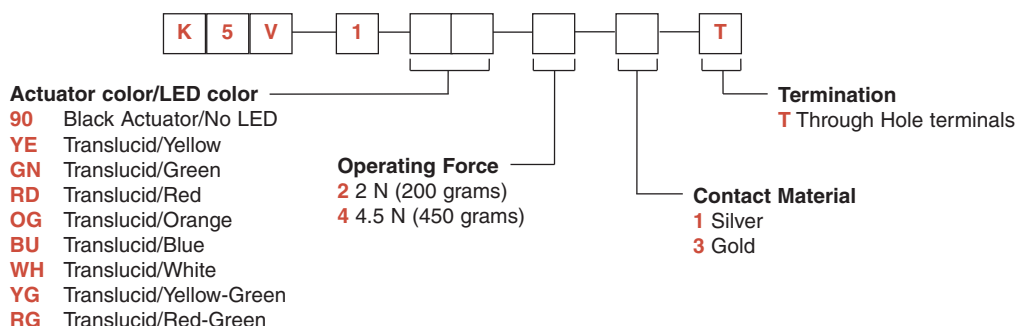
SOLDERING: Wave soldering 85 C preheat, 250 C for 2 seconds
 FLUX TIGHT. No wash.
 LEAD FREE AND RoHs COMPLIANT

Materials

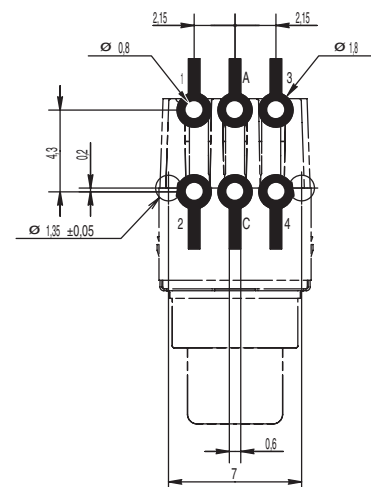
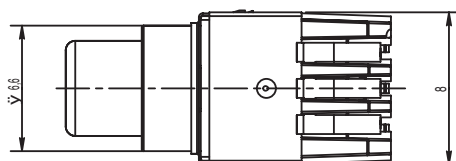
CONTACTS: Au over Ni
 SOLDERING: Ag or Au
 HOUSING: Thermoplastic UL94 HB

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.



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Technical drawing of a rectangular frame assembly. The drawing shows a perspective view of a rectangular frame with a grid of components inside. The dimensions are as follows:

- Overall width: 290^{+1}_{-1}
- Overall height: 123.5
- Inner width: 22
- Inner height: 26
- Corner radius: $R 2.5$
- Section lines A-A, B-B, and C-C are indicated.
- A note in the center reads: "FPO--Draft drawing only for placement".
- A dimension of 146^{+1}_{-1} is shown on the right side, indicating the distance between the inner and outer frames.