

K5AT

Illuminated SMT Tact Switch



Description

The K5AT series illuminated SMT tact switch offers high, bright LED lights and reduced space usage on board "2 in 1." It's excellent ergonomics, sharp tactile feel and audible click make it ideal for network infrastructure, telecom and medical applications that need to perform in the harshest environments.

Features & Benefits

- High bright LED's
- Gold plated dome contact offering superior contact reliability in time
- Excellent ergonomics: sharp tactile feel and audible click
- Reduced space usage on board "2 in 1"
- 40 N overload
- Tape and reel
- RoHS compliant and compatible

Specifications

Function	Momentary
Contact Arrangement	Normally Open
Terminals	SMT with positioning pegs; SMT without positioning pegs is available, contact Customer Service
Packaging	Standard: 900 pcs per reel; Reel diameter 380 mm Reduced: 180 pcs per reel; Reel diameter 180 mm

Electrical Characteristics

Min. / Max. Power	0.02 VA - 1.0 VA
Min. / Max. Voltage	20m VDC - 32 VDC
Min. / Max. Current	0.1 mA - 100 mA
Contact Resistance	< 100mΩ
Insulation Resistance	>1G Ω initial, >10M Ω after damp heat
Bounce Time	< 10 ms

Environmental Characteristics

Operating Temperature	-40°C to 125°C
Storage Temperature	-55°C to 125°C
Relative Humidity	90 to 96% according to NF EN 60068-2-30
Protection	Dust protection and flux tight (IP 40)
Overload	40N min

Process

Soldering	Compatible with the lead free soldering profile. No washing. MSL Level: 5
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Applications

- Application requiring illumination
- Server, storage
- Network infrastructure
- Telecom
- Medical

Materials

Contacts	Au over Ni
Terminals	Au over Ni
Housing	Thermoplastic UL94 V0

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Electrical Graph

The diagram shows a circuit with five terminals. Terminal 1 is connected to terminal 2. Terminal 3 is connected to terminal 4. Terminal 5 is connected to terminal 4. A warning symbol (triangle with exclamation mark) is shown near terminal 4.

Front View

Dimensions: 2.6±0.03, 1.8, 1.8, 2.6±0.03, 10.8, 1.2±0.03, 0.8.

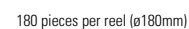
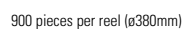
Top View

Dimensions: 8.3, 4.85, 0.1±0.05, 6±0.15, 7201N2, Year, Day of Year.

PCB Layout Top View

Dimensions: 2.6±0.05, 2.6±0.05, Hole ø0.95, 1.2±0.05, 11, 8, Hole ø1.25, 1.1, 8.4, 8.

Pick and Place Area:
Top of LED ø 2.5 max

[illegible]

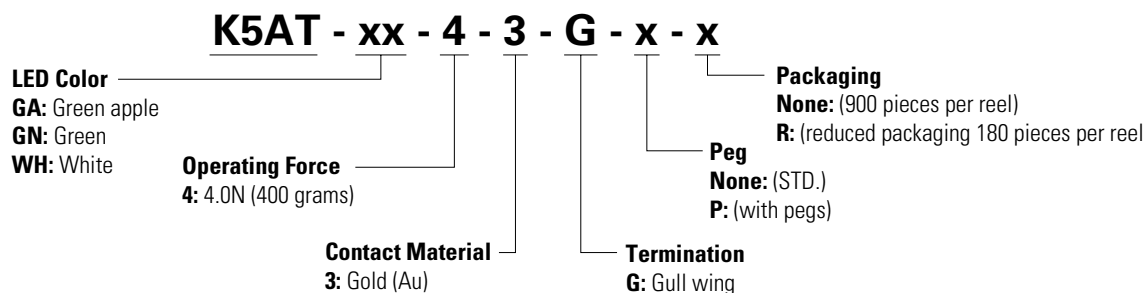
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Ordering Number

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.



Mechanical Characteristics

Supply Status	Littelfuse Orderable Part Number	Description	Contact & Terminals Plating	Terminals	With pegs	Operating Force Fa (Newtons)	Operating Life (Operations)	Travel (total travel mm)	LED color
✓	Y71643112FP	K5ATWH43GP	Gold	SMT Gull wing	Yes	4.0 +/- 1.0	100,000	0.45 (0.95)	White
✓	Y71643142FP	K5ATGN43GP	Gold	SMT Gull wing	Yes	4.0 +/- 1.0	100,000	0.45 (0.95)	Green
✓	Y716431A2FP	K5ATGA43GP	Gold	SMT Gull wing	Yes	4.0 +/- 1.0	100,000	0.45 (0.95)	Green apple

Notes: Supply status: ✓ : Available for ordering.

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