

# Lighted SMT Tact Switch with Rugged LED Mounting Process

## Features

- LED assembly without soldering
- Various LED options
- No light perturbation
- Sound haptic
- Various climatic classes

## Typical Applications

- Automotive
- Network equipment
- Telecommunications
- Medical equipment
- Industrial controls



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Tactile Switches

## Specification

FUNCTION: momentary action  
 CONTACT ARRANGEMENT: 1 make control = SPST, N.O.  
 TERMINALS: Gullwing type for SMT, peg as option, 2 terminals for LED

## Mechanical

| Type        | Actuation Force (N) | Operating Life (operations) | Total Travel (mm) |
|-------------|---------------------|-----------------------------|-------------------|
| K8xx41G LFS | 4.0                 | 300,000                     | 0.45±0.15         |

Tolerances on actuation force is ± 0.25%.  
 SEALING LEVEL: IP40

## Illumination Colors

White, blue, pure green, orange, super red  
 LED technical information available on product specification.  
 For any extra color, please contact your sales representative.

## Packaging

In reels of 900 pieces under sealed foil.  
 Dimensions of reels according to EIA RS481 or IEC 2863.  
 External diameter 380 mm.

## Electrical

|                                               | Silver              | Gold   |
|-----------------------------------------------|---------------------|--------|
| MAXIMUM POWER:                                | 1.0 VA              | 0.2 VA |
| MAXIMUM VOLTAGE:                              | 32 VDC              | 32 VDC |
| MINIMUM VOLTAGE:                              | 20 mV               | 20 mV  |
| MAXIMUM CURRENT:                              | 50 mA               | 10 mA  |
| MINIMUM CURRENT:                              | 1 mA                | 0.1 mA |
| DIELECTRIC STRENGTH: (50 Hz, 1 min.)          | ≥ 250 Vrms          |        |
| CONTACT RESISTANCE:                           | < 100mΩ             |        |
| INSULATION RESISTANCE: (100 V, initial stage) | > 10 <sup>9</sup> Ω |        |
| BOUNCE TIME:                                  | < 10 ms             |        |

## Environmental

OPERATING TEMPERATURE: -40°C to +85°C (Silver)  
 -40°C to +125°C (Gold)

STORAGE TEMPERATURE: -55°C to +85°C (Silver)  
 -40°C to +125°C (Gold)

## Process

SOLDERING: Compatible with the lead free soldering profile.  
 No washing  
 MSL level: 5

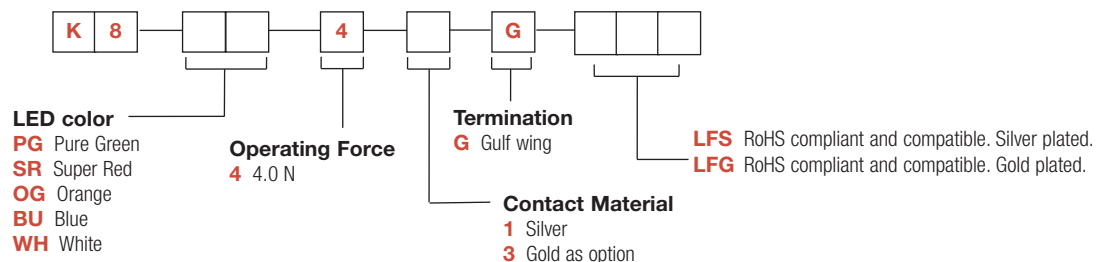
## NOTE:

The specifications show in the datasheet are for reference only and are not valid for design-in work. Please contact your sales representative to request drawings and product specifications.

For systems where reliability and safety are required, please contact your sales representative to secure product integration and function to secure usage.

## 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.



# Tactile Switches



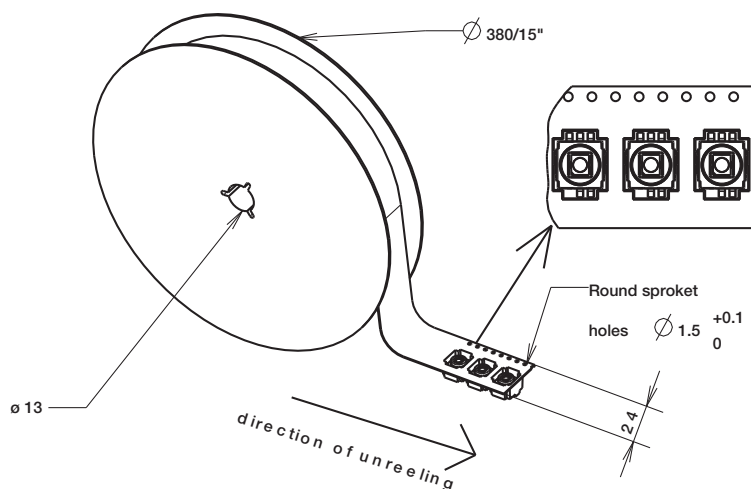
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**C&K**

# K8 Lighted SMT Tact Switch with Rugged LED Mounting Process

TAPE & REEL



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Tactile Switches