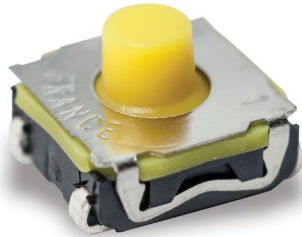


KSC10 Series

Sealed Tactile Switches for SMT 6.2 x 6.2 mm
with 4.9 mm Height Soft Actuator



KSC10 soft actuator 4.9 mm high

Specifications

Function	Momentary action
Contact Arrangement	1 make contact = SPST, N.O.
Terminals	J bend & Gullwing type for SMT
Contact Material	Silver Plated
Sealing	IP67

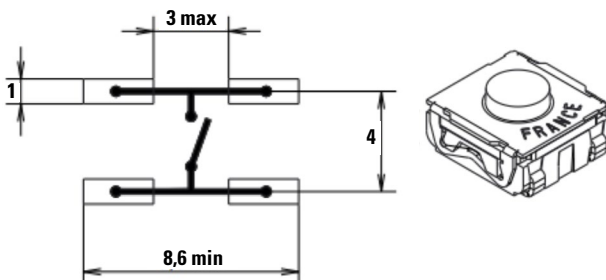
Electrical Characteristics

Dielectric Strength (50 Hz, 1 min.)	≥ 250 Vrms
Contact Resistance	≤ 100 m Ω
Insulation Resistance (100 V)	≥ 1000 M Ω
Bounce Time	≤ 1 ms
Maximum Power	1 VA
Maximum Voltage	32 VDC
Minimum Voltage	20 mV
Maximum Current	50 mA
Minimum Current	1 mA

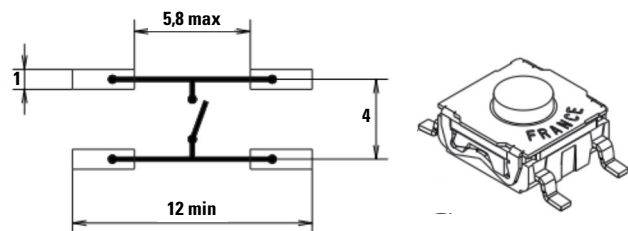
Environmental Characteristics

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 85°C

J Terminations (mm)



G Terminations (mm)



Description

The KSC10 series sealed tactile switch for SMT gives users a positive adaptable tactile feeling – and its small size is ideal for products made specifically for industrial, consumer, automotive and instrumentation applications. The KSC10 is an IP67 rated, 4.9 mm high soft actuator switch.

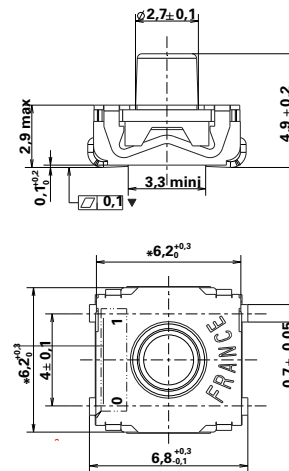
Features & Benefits

- Positive adaptable tactile feeling
- J or G terminations
- Soft actuator 4.9mm high
- IP67
- up to 5,000,000 operations

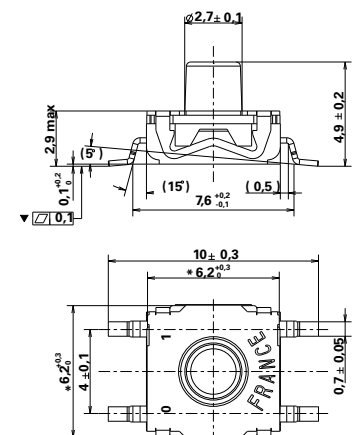
Applications

- Industrial electronics
- Instrumentation
- Automotive
- Consumer

J Dimensions (mm)



G Dimensions (mm)

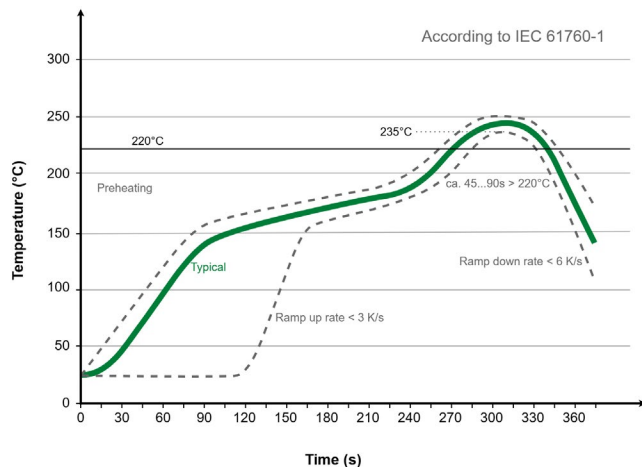


KSC10 Series

Sealed Tactile Switches for SMT 6.2 x 6.2 mm
with 4.9 mm Height Soft Actuator



Soldering Profile

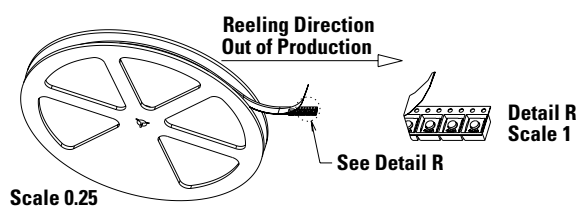


Note: Up to 2 reflow cycles in accordance with the above temperature profile

Soldering process: Depending on the application, this component is suited to the following methods:

- Terminals being silver or gold plated over a nickel barrier, the use of slightly activated flux is suitable.
- Lead free soldering process in accordance with the definition on the left.

Tape & Reel



Packaging Details

Type	Tape & reel, External diameter 330 ± 2 mm
Number of Parts in Packaging	1,000
Other Information	Tape and reel per EIA 481
Transport Conditions	According to specification NF H00-060

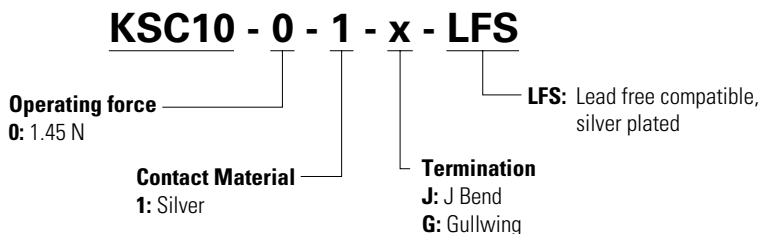
KSC10 Series

Sealed Tactile Switches for SMT 6.2 x 6.2 mm
with 4.9 mm Height Soft Actuator



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. For any part number different from those listed above, please consult your local representative.



Note: KSC10 offered with yellow actuator as standard, hardness 55 Shore

Mechanical Characteristics

Supply Status	LITTELFUSE Orderable Part Number	Description	Contact & Terminals Plating	Terminals	Operating Force Fa (Newtons)	Tactile ratio (Min)	Operating Life (Operations)*	Electrical Travel (mm)
✓	Y31C01401FPLFS	KSC1001G LFS	Silver	G	1.45±0.55	Min 15%	5,000,000	0.45±0.25
✓	Y31C01402FPLFS	KSC1001J LFS	Silver	J	1.45±0.55	Min 15%	5,000,000	0.45±0.25

Note: Supply status: ✓: Available for ordering.

Liability Limitation

This datasheet does not provide enough information for applications that require a certain level of quality or safety such as automotive, medical systems, or safety equipment. Please contact customer service for the contractual specification package.

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