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В

# **KSJ Series Spherical Actuator Tact Switches**

### Features/Benefits

- Spherical actuator allows actuation force off center ± 30° with regard to vertical
- Total travel 1.2 mm
- Sealed against flux
- RoHS compliant and compatible

### Typical Applications

- **Automotive**
- Cranes, off road, railway
- Factory automation
- Security systems



Silver

-40°C to 85°C

-40°C to 85°C



Gold

-40°C to 125°C

-55°C to 125°C

### **Specification**

Mechanical

FUNCTION: Momentary action

CONTACT ARRANGEMENT: 1 make contact = SPST, N.O.

TERMINALS: PC pins SEALING: IP60

# DISTANCE BETWEEN BUTTON CENTERS (min.): 7.62 (0.300)

## **Packaging**

Delivered in boxes of 500 pieces.

**OPERATING TEMPERATURE:** 

STORAGE TEMPERATURE:

**Environmental** 

		Operating life	Operating life	
Type	Actuation force	(operations)	(operations)	Travel to
	N (grams)	axial	radial	make
KSJ0M21160SH	1,5 - 2,5	100,000	30,000	$0.7 \pm 0.25$
KSJ0M41180SH	2,25 - 3,75	100,000	30,000	$0,55 \pm 0,25$
KSJ0M21180SH	1,5 -2,5	100,000	30,000	$0.35 \pm 0.2$
KSJ0M91180SH	3,1 -4,7	100,000	30,000	$0.7 \pm 0.25$

### **Electrical** Silver Gold MAXIMUM POWER: 1 VA 0.2 VA MAXIMUM VOLTAGE: 32 VDC 32 VDC MINIMUM VOLTAGE: 20 mV 20 mV MAXIMUM CURRENT: 50 mA 50 mA MINIMUM CURRENT: 1 mA 1 mA

DIELECTRIC STRENGTH (50 Hz, 1 min.): ≥ 300 Vrms

CONTACT RESISTANCE: ≤100mOhms INSULATION RESISTANCE (100V): > 109 ohms

BOUNCE TIME: < 1 ms

### **Process**

Wave soldering, compatible with lead free soldering profile.

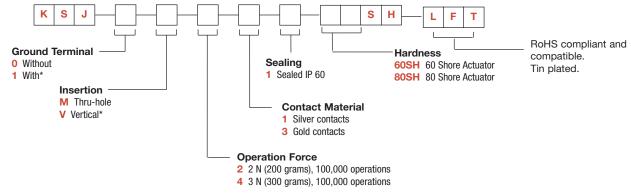
NOTE: Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

This data sheet does not provide enough information for applications which require a certain level of quality or safety such as automotive, medical systems, safety equipment. Please contact your sales representative to get contractual specification package.

### **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.

However, please note that all the combinations of these options are not feasible. For any part number different from those listed in the table above, please consult your local represenative.



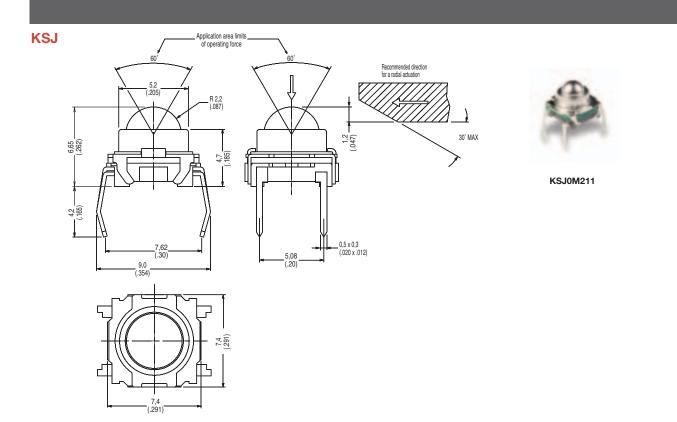
\*Note: "1" ground terminal option not available with "V" version. The bracket for the "V" version plays this role.



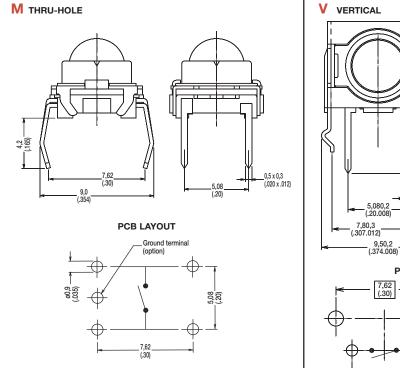
Dimensions are shown: Inch (mm) Specifications and dimensions subject to change

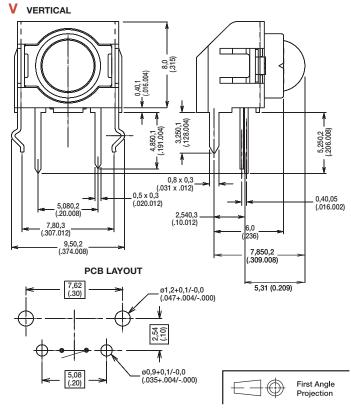
<sup>\*</sup> Please contact your C&K represenative for any question regarding the product

# KSJ Series Spherical Actuator Tact Switches



## **INSERTION**







Dimensions are shown: Inch (mm) Specifications and dimensions subject to change