



## Features/Benefits

- Positive tactile feel
- Variety of cap colors
- LED support available
- SPST and SPDT configurations
- RoHS compliant

## Typical Applications

- Telecommunications
- Industrial
- Instrumentation

## Specifications

CONTACT RATING: Q contact material: 25mA @ 50V AC .or DC max.  
ELECTRICAL LIFE: 100,000 actuations.  
CONTACT RESISTANCE: Below 100 mΩ initial @ 2-4 V DC, 100 mA  
INSULATION RESISTANCE: 10<sup>9</sup> Ω min.  
DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.  
OPERATING TEMPERATURE: -30°C to 65°C.  
SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

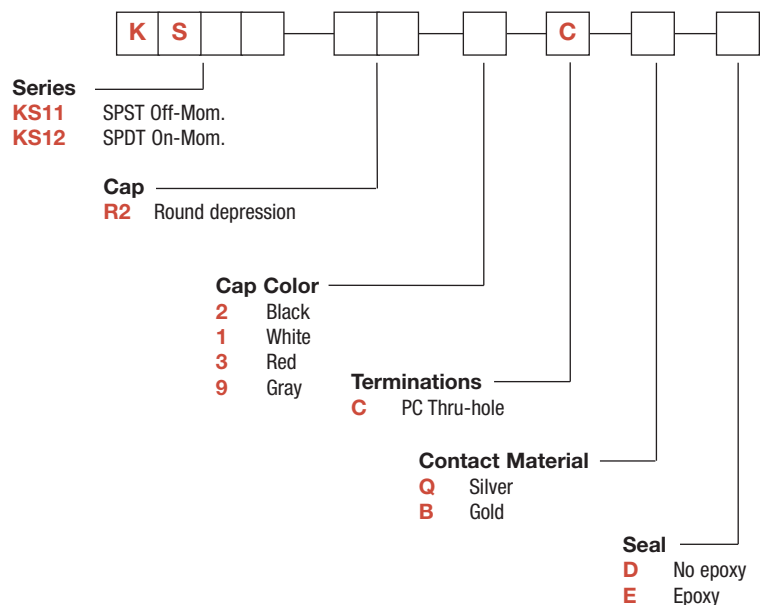
**Note:** Specifications and materials listed above are for switches with standard options.  
For information on specific and custom switches, consult Customer Service Center.

## Materials

CASE: Glass filled nylon (UL 94V-0).  
ACTUATOR: Nylon 6/6 or ABS, matte finish, black standard.  
MOVABLE CONTACT: Q contact material: Stainless steel, silver plated.  
STATIONARY CONTACTS AND TERMINALS: Q contact material: copper alloy, silver plated.  
TERMINAL SEAL: Epoxy

## 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.

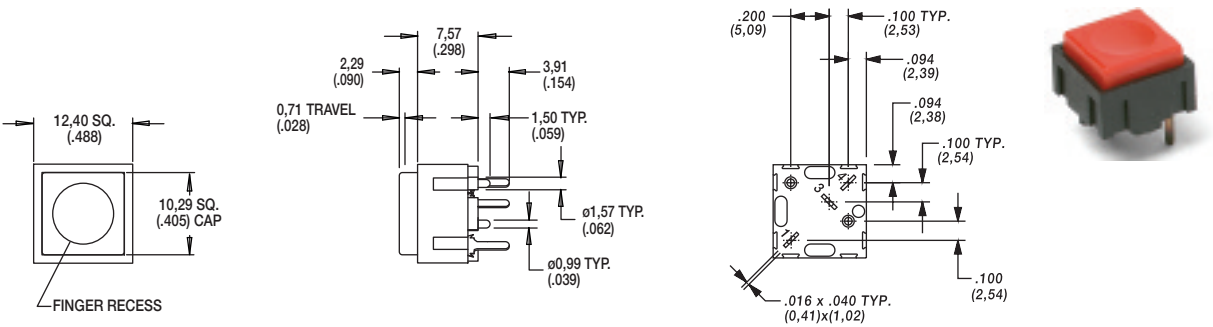


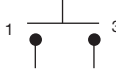
# KS

## Single Pole Key Switches

SERIES 

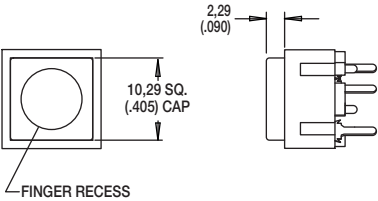
### KS11 / KS12



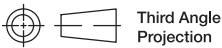
| NO. POLES | MODEL NO. | SWITCH FUNCTION |        | CONNECTED TERMINALS |        | SCHEMATIC                                                                                   |
|-----------|-----------|-----------------|--------|---------------------|--------|---------------------------------------------------------------------------------------------|
|           |           | POS. 1          | POS. 2 | POS. 1              | POS. 2 |                                                                                             |
| SP        | KS11      | OFF             | MOM.   | OPEN                | 1-3    | SPST<br> |
|           | KS12      | ON              | MOM.   | 1-4                 | 1-3    | SPDT<br> |

CAP 

### R2 CAP WITH ROUND DEPRESSION



| OPTION CODE | CAP COLOR |
|-------------|-----------|
| 2           | BLACK     |
| 1           | WHITE     |
| 3           | RED       |
| 9           | GRAY      |



Third Angle  
Projection



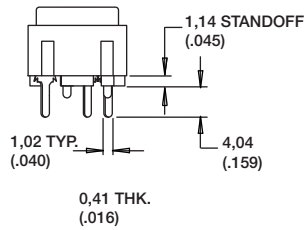
Dimensions are shown: Inch (mm)  
Specifications and dimensions subject to change

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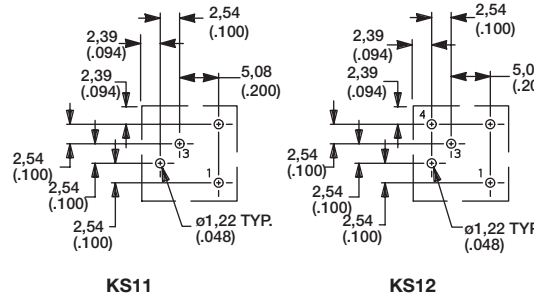
# KS Single Pole Key Switches

## TERMINATION

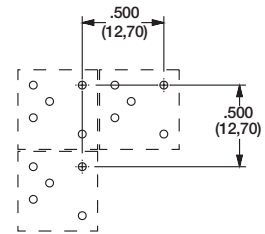
### C PC THRU-HOLE



### PC MOUNTING



### MULTIPLE SWITCH SPACING



## CONTACT MATERIAL

| OPTION CODE | CONTACT MATERIAL    | TERMINAL PLATING    | RATINGS               |                                  |
|-------------|---------------------|---------------------|-----------------------|----------------------------------|
| <b>Q</b>    | SILVER <sup>2</sup> | SILVER <sup>2</sup> | POWER                 | 25 mA MAX. @ 50 V AC OR DC MAX.  |
| <b>B</b>    | GOLD <sup>1</sup>   | GOLD <sup>1</sup>   | LOW LEVEL/DRY CIRCUIT | 0.4 VA MAX. @ 20 V AC OR DC MAX. |

1) MOVABLE CONTACT: Stainless steel, with gold plate over nickel plate.  
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

2) MOVABLE CONTACT: Stainless steel, silver plated.  
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, silver plated.

**NOTE:** Any models supplied with Q or B contact material are RoHS compliant.

## SEAL

### D NO EPOXY SEAL

### E EPOXY SEAL

