

KS Series

Single Pole Keyswitch



Description

Available in a variety of cap colors and either an SPST or SPDT configuration, the KS series single pole keyswitch is found in products throughout the instrumentation and telecommunications industries. KS series keyswitches are built to meet all high-performance expectations while still retaining a consistent tactile feel for the end-user over a long period of time.

Features & Benefits

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

Applications

- Telecommunications
- Industrial
- Instrumentation

Specifications

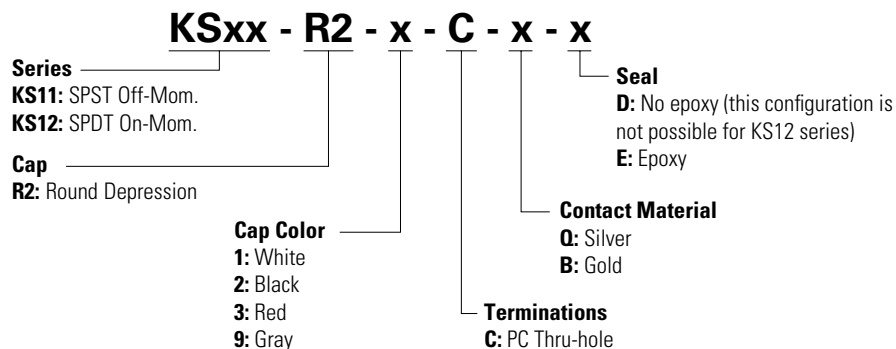
	Silver	Gold
Contact Rating	(Q version): 25 mA @ 50V AC or DC Max.	(B version): 0.4 VA Max. @ 20V AC or DC Max.
Electrical Life	100,000 actuations	
Contacts Resistance	Below 100 mΩ initial @ 2-4 V DC, 100 mA	
Insulation Resistance	10 ⁹ Ω min.	
Dielectric Strength	1,000 Vrms min. @ sea level	
Operating Temperature	-30°C to 65°C	
Solderability	Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).	

Materials

	Silver	Gold
Case	Glass filled nylon (UL 94 V-0)	
Actuator	ABS, matte finish, black standard	
Movable Contact	(Q version): Stainless steel, Silver plated	(B version): Stainless steel, gold plated over Nickel
Stationary Contacts and Terminals	(Q version): Copper alloy, Silver plated	(B version): Copper alloy, gold plated over Nickel
Terminal Seal	Epoxy	

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.

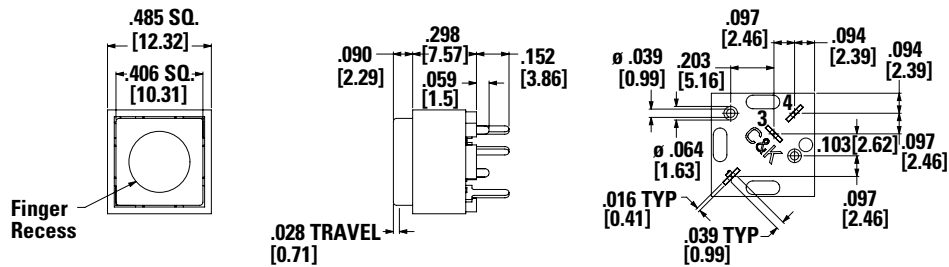


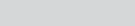
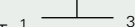
KS Series

Single Pole Keyswitch

Series inches (mm)

KS11 / KS12

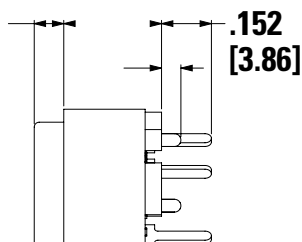


No. Poles	Model No.	Switch Function		Connected Terminals		Schematic
		POS. 1 	POS.2 	POS. 1 	POS.2 	
SP	KS11	OFF	Mom.	Open	1-3	 SPST 1 3
SP	KS12	ON	Mom.	1-4	1-3	 SPDT 1 (COMM) NC 4 3 NO

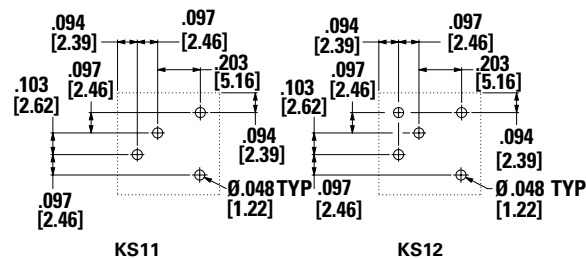
Option Code	Cap Color
2	Black
1	White
3	Red
9	Grey

Termination inches (mm)

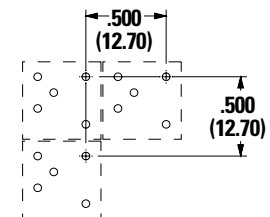
C PC Thru-hole



PC Mounting



Multiple Switch Spacing



KS Series

Single Pole Keyswitch



Contact Material

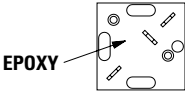
Option Code	Contact Material	Terminal Plating	Ratings
Q	Silver ²	Power	25 mA Max. @ 50 V AC or DC Max.
B	Gold ¹	Low Level / Dry Circuit	0.4 VA Max. @ 20 V AC or DC Max.

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

Seal

D No Epoxy Seal (this configuration is not possible for KS12 series)

E Epoxy Seal



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