

KS Single Pole Key Switches



Features/Benefits

- Positive tactile feel
- Variety of cap colors
- 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: 10⁹Ω 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).

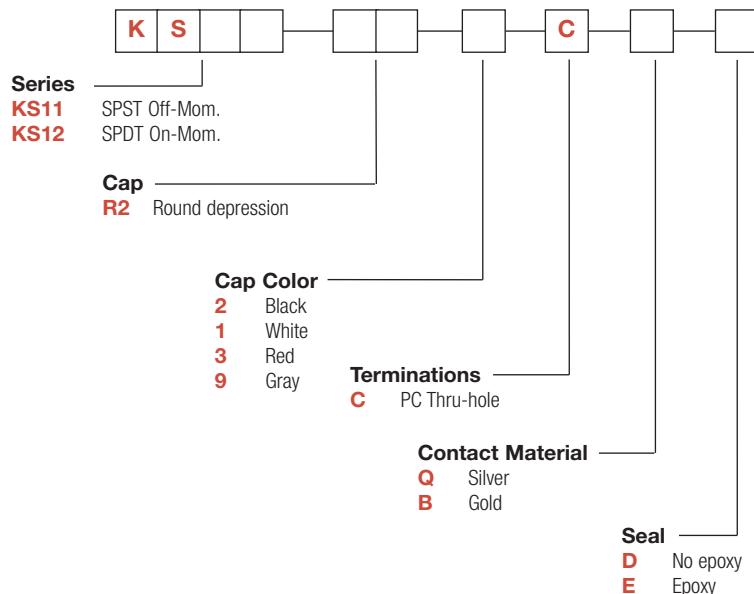
Note: Specifications and materials listed above are for switches with standard options.
 For information on specific and custom switches, consult Customer Service Center.

Materials

CASE: Glass filled nylon (UL 94V-0).
 ACTUATOR: 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.



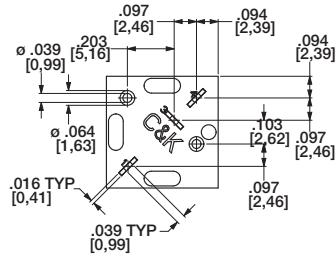
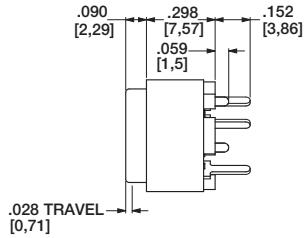
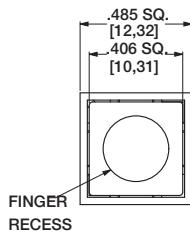
D

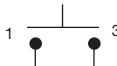
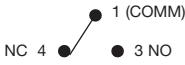
Key Switches

KS Single Pole Key Switches

SERIES 

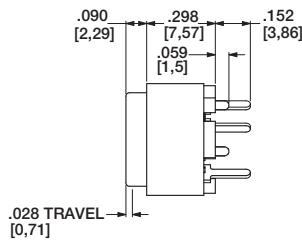
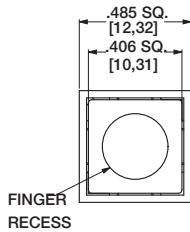
KS11 / KS12



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 
	KS12	ON	MOM.	1-4	1-3	SPDT 

CAP 

R2 CAP WITH ROUND DEPRESSION



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



Key Switches



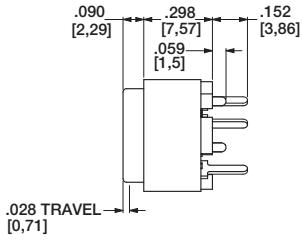
Third Angle Projection
Dimensions are shown: mm
Specifications and dimensions subject to change



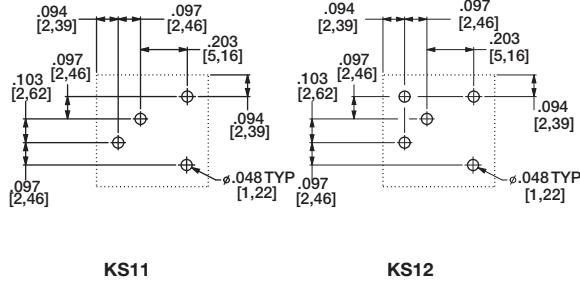
KS Single Pole Key Switches

TERMINATION

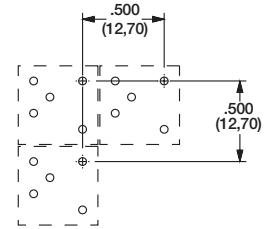
C PC THRU-HOLE



PC MOUNTING



MULTIPLE SWITCH SPACING



CONTACT MATERIAL

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

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

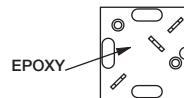


D

D NO EPOXY SEAL

E EPOXY SEAL

SEAL



Key Switches



Third Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Components:

[KS11R22CBD](#) [KS11R29CQD](#) [KS11R22CQD](#) [KS11R23CBD](#) [KS11R21CQD](#) [KS11R21CBD](#) [KS12R22CQD](#)
[KS11R23CQD](#) [KS11R21CQE](#) [KS11R22CBE](#) [KS11R22CGD](#) [KS11R22CQE](#) [KS11R23CQE](#) [KS12R21CQD](#)
[KS12R21CQE](#) [KS12R22CBE](#) [KS12R22CQE](#) [KS12R23CQD](#) [KS11R23CBE](#) [KS11R23S1CBE](#) [KS11R29CBD](#)
[KS11R22S1CBE](#) [KS12R23CQE](#) [KS11R29CBE](#) [KS12R29CBD](#) [KS11R26CBD](#) [KS11R28CQD](#) [KS11R24CBE](#)
[KS11R27CBE](#) [KS11R27CBD](#) [KS12R26CQD](#) [KS11R26CBE](#) [KS11R24CQD](#) [KS11R28CBD](#) [KS11R26CQD](#)