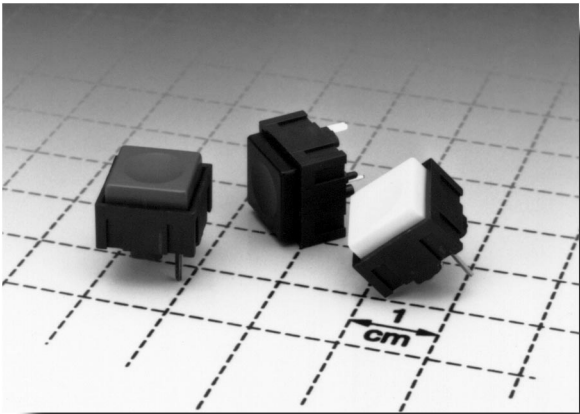


Features/Benefits

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

Typical Applications

- Telecommunications
- Industrial
- Instrumentation

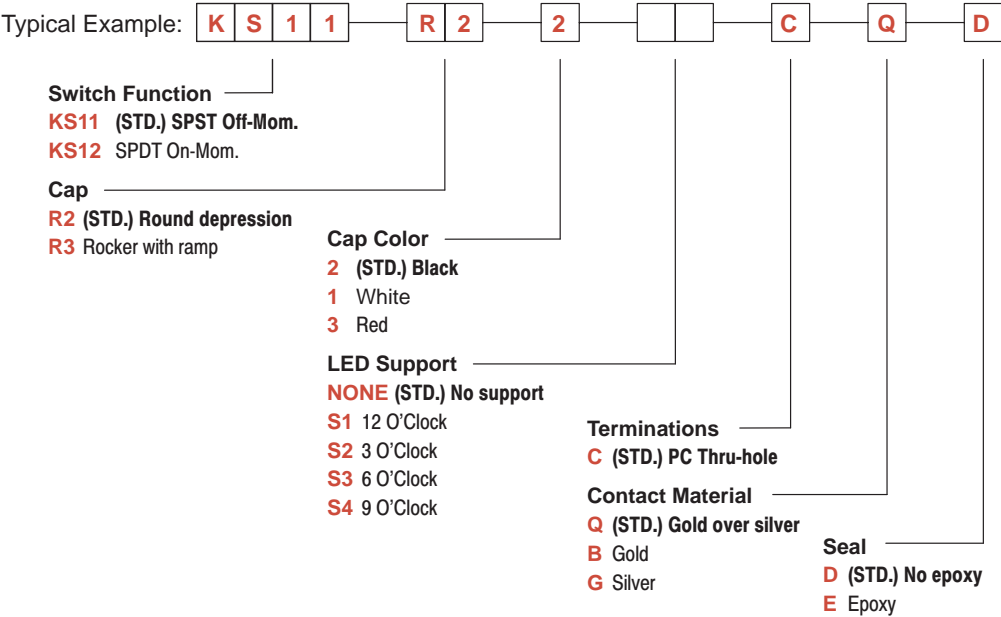


C

Tactile

Build-A-Switch

Our easy Build-A-Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box. A switch with standard options is shown on page C-14. Available options are shown and described on pages C-14 and C-15. For additional options not shown in catalog, consult Customer Service Center.



C&K KS Series Key Switches

Specifications

CONTACT RATING: Q contact material: 25 mA max. @ 50 V AC or DC max. See page C-15 for additional ratings.
 ELECTRICAL LIFE: 100,000 actuations.
 CONTACT RESISTANCE: Below 100 milliohms initial @ 2-4 V DC, 100 mA.
 INSULATION RESISTANCE: 10⁹ ohms min.
 DIELECTRIC STRENGTH: 1,000 V RMS 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

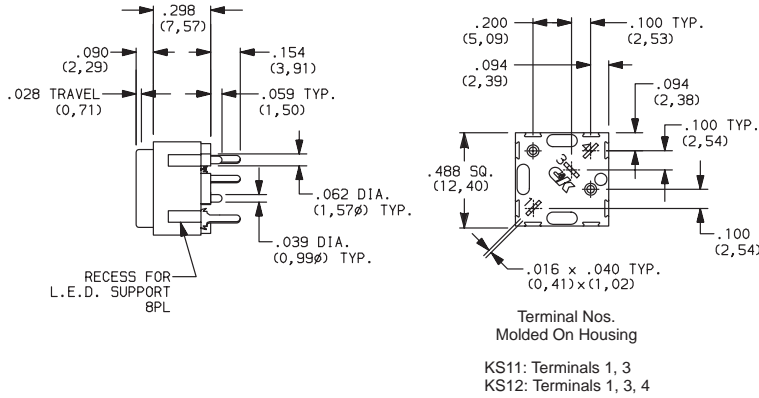
CASE: Glass filled nylon (UL 94V-0).
 ACTUATOR: ABS or polycarbonate-ABS blend, matte finish, black standard.
 MOVABLE CONTACT: Q contact material: Beryllium copper or stainless steel, silver plated. See page C-15 for additional contact materials.
 STATIONARY CONTACTS & TERMINALS: Q contact material: Copper alloy, silver plated. See page C-15 for additional contact materials.
 TERMINAL SEAL: Epoxy.
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

SWITCH WITH STANDARD OPTIONS

12.4 x 12.4mm Models



KS12R21CQD
SPDT



PART NUMBER	FUNCTION	POS. 1	POS. 2
KS11R21CQD	SPST	OFF	MOM.
KS12R22CQD	SPDT	ON	MOM.

MOM. = Momentary

NOTE: For PC mounting information, see page C-15.

SWITCH FUNCTION

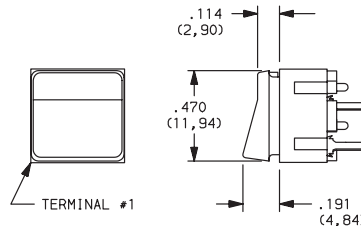
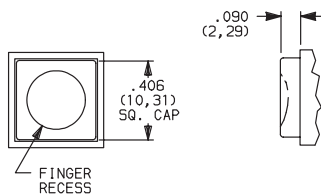
NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	KS11 (STD.)	OFF	MOM.	OPEN	1-3	SPST
	KS12	ON	MOM.	1-4	1-3	SPDT

MOM. = Momentary

CAPS

R2 (STD.) CAP WITH ROUND DEPRESSION

R3 ROCKER CAP WITH RAMP



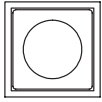
OPTION CODE	CAP COLOR
2	(STD.) BLACK
1	WHITE
3	RED

Cap Finish: matte. Other colors available, consult Customer Service Center.

Not available with KS12 switch function.

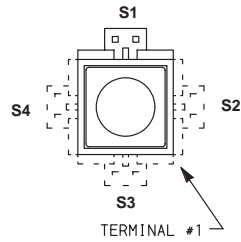
LED SUPPORT

NONE (STD.) NO LED SUPPORT



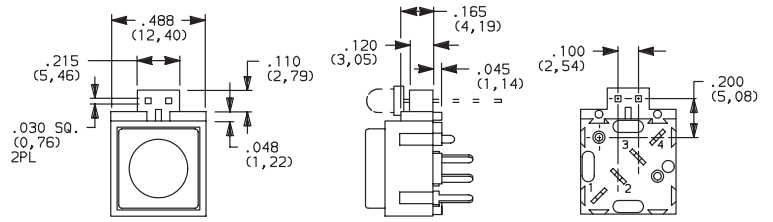
No LED support.

S1, S2, S3, S4 WITH LED SUPPORT



Position of factory installed LED support.

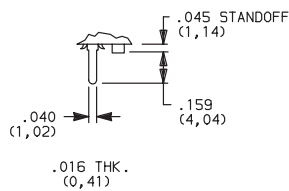
TYPICAL INSTALLATION



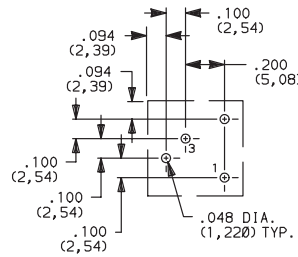
NOTE: LED support shown in position S1. LED not supplied. LED support also available separately, see section L.

TERMINATIONS

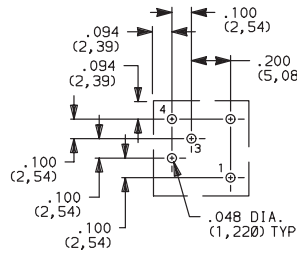
C (STD.) PC THRU-HOLE



PC MOUNTING

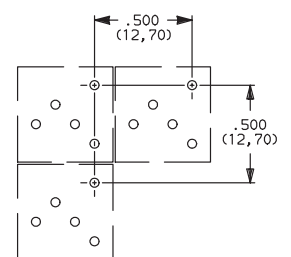


KS11



KS12

MULTIPLE SWITCH SPACING



CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
Q (STD.)	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.
G	GOLD OVER SILVER ³	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	0.4 VA MAX. @ 20 V AC OR DC MAX. OR 25 mA MAX. @ 50 V AC OR DC MAX.

CONTACT MATERIAL/APPLICATION RECOMMENDATIONS—SEE CHART, PAGE L-31.

¹ MOVABLE CONTACT: Beryllium copper, with gold plate over nickel plate.
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

² MOVABLE CONTACT: Beryllium copper, silver plated.
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, silver plated.

³ MOVABLE CONTACT: Beryllium copper, with gold plate over nickel plate over silver plate.
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate over silver plate.

SEAL

D (STD.) NO EPOXY SEAL

E EPOXY SEAL



C

Tactile