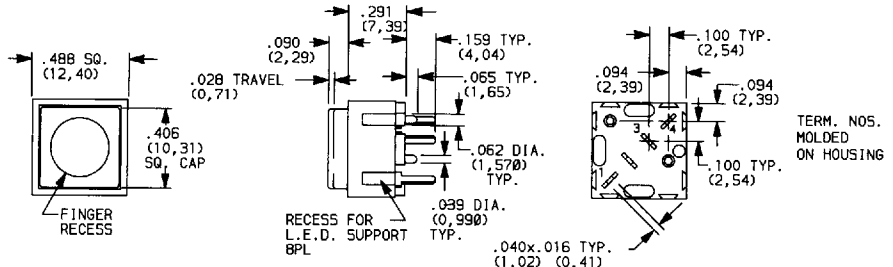
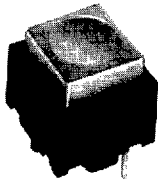




SWITCH FUNCTION



Part No. Shown: KS12R22CQD

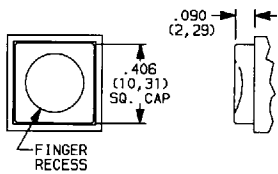
KS11 TERMS. 1, 3  
KS12 TERMS. 1, 3, 4

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

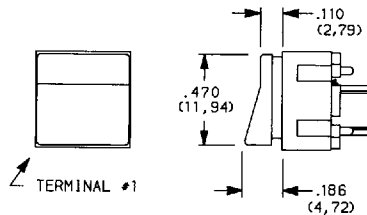
MOM. = MOMENTARY



R2 (STD.)



R3



'R3' not available with 'KS12' switch function.

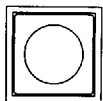
CAP COLORS

OPTION CODE	ACTUATOR COLOR
1	WHITE
2	BLACK (std.)
3	RED
4	ORANGE
5	YELLOW
6	GREEN
7	BLUE
8	BROWN
9	GRAY

Select cap color from chart. Place option code in appropriate box of ordering format. Cap finish: matte. Custom actuator markings and legends available, consult factory.

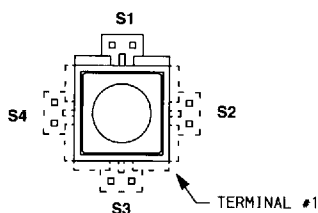
LED SUPPORT

(NONE) (STD.)



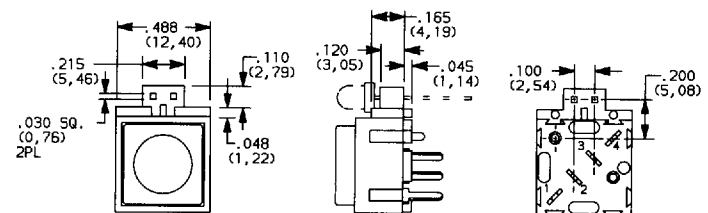
No LED support.

S1-S2-S3-S4



Position of factory installed LED support.

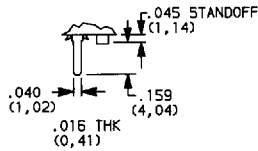
TYPICAL INSTALLATION



LED support shown in position S1. LED not supplied. LED support also available separately, see catalog section H.

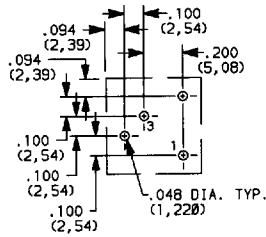
## TERMINATIONS

C (STD.)

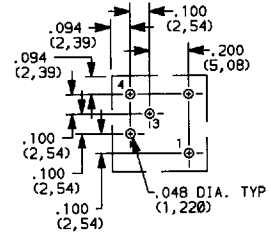


Q contact material std.

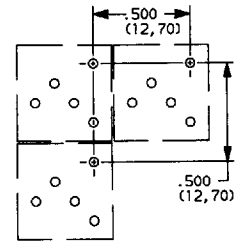
PC MOUNTING



KS11



KS12



MULTIPLE SWITCH SPACING

## CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	GOLD <sup>1</sup>	GOLD <sup>1</sup>	LOW LEVEL / DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
Q	SILVER <sup>2</sup>	SILVER <sup>2</sup>	POWER	25 mA MAX. @ 50 V AC OR DC MAX.
G	GOLD OVER SILVER <sup>3</sup>	GOLD <sup>3</sup>	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 X.

- <sup>1</sup> MOVABLE CONTACT: Beryllium copper, with gold plate over nickel plate.  
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
- <sup>2</sup> MOVABLE CONTACT: Beryllium copper, silver plated  
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, silver plated.
- <sup>3</sup> 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.

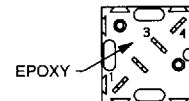
Q contact material standard.

## SEAL

D (STD.)

NO SEAL

E



### HOW TO ORDER

All available KS SERIES PUSHBUTTON KEY SWITCH options are listed on page D-67, and are described on pages D-68 and D-69. When selecting options and building a part number, some ordering format boxes may not be filled. Dashes, hyphens or spaces in the part number are not significant, and are shown for clarity only.

LED support is available separately, see catalog section H.

### SPECIFICATIONS

- CONTACT RATING: 25 mA max. @ 50 V AC or DC max. (Q contact material).
- MECHANICAL LIFE: 100,000 actuations.
- CONTACT RESISTANCE: Below 50 milliohms typ. initial @ 2-4 V DC, 100 mA.
- INSULATION RESISTANCE: 10<sup>9</sup> ohms min.
- DIELECTRIC STRENGTH: 1000 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 94 V-0).
- ACTUATOR: ABS or polycarbonate — ABS blend, matte finish, black standard.
- MOVABLE CONTACT: Beryllium copper or stainless steel, silver plated (Q contact material).
- STATIONARY CONTACTS & TERMINALS: Copper alloy, silver plated (Q contact material).
- TERMINAL SEAL: Epoxy.

NOTE: Specifications and materials listed above are general specifications. Specifications available for specific and custom switches, consult factory.