

C&K KM Series Subminiature Pushbutton Switches

Features/Benefits

- **Reliable contact design**
- **Available with pretravel and overtravel**
- **Extended overtravel option**

Typical Applications

- **Alarm systems**
- **Computers**
- **Detector switch application**



A

Pushbutton



Models Available

Specifications

CONTACT RATING: Q contact material (KM11, KM12 Models): 0.25 AMPS @ 125 V AC or DC (UL); (KM33 Model): 1 AMP @ 125 V AC or 28 V DC. See page A-63 for additional ratings.

ELECTRICAL LIFE: 10,000 actuations min. at full load.

CONTACT RESISTANCE: Below 30 mΩ typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10⁹Ω min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

CAP INSTALLATION FORCE: 10 lbs. max. permissible.

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

Materials

HOUSING & BUSHING: 6/6 nylon (UL94V-2), black.

ACTUATOR: 6/6 nylon (UL 94V-2), natural. Internal o-ring seal, available on KM11 & KM33 models.

MOVABLE CONTACT: B contact material: Bronze or copper, with gold plate over nickel plate. See page A-63 for additional contact materials.

STATIONARY CONTACTS & TERMINALS: B contact material: Copper, with gold plate over nickel plate. See page A-63 for additional contact materials.

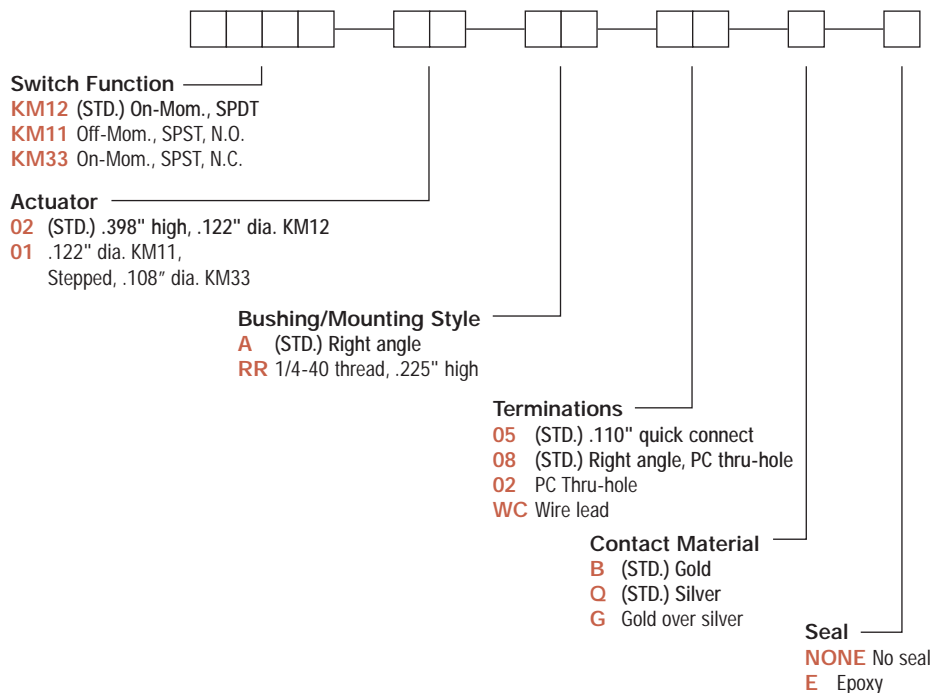
RETURN SPRING: Music wire, phosphor coated.

MOUNTING NUT: Brass, nickel plated.

TERMINAL SEAL: Epoxy.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages A-62 and A-63. For additional options not shown in catalog, consult Customer Service Center.



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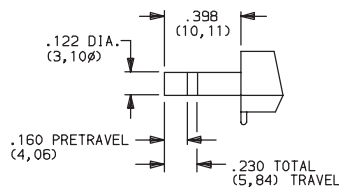
SWITCH FUNCTION

Pushbutton
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NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	KM11	OFF	MOM.	OPEN	2-1	SPST N.O.
	KM33	ON	MOM.	2-1	OPEN	SPST N.C.
SPST <p>Part number shown: KM1101RR05BE</p>						
SP	KM12	ON	MOM.	2-1	4-3	SPDT
SPDT <p>Part number shown: KM1202A08BE</p>						

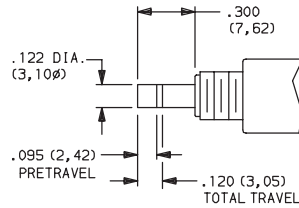
ACTUATOR

02 (STD.) .398" HIGH, .122" DIA.

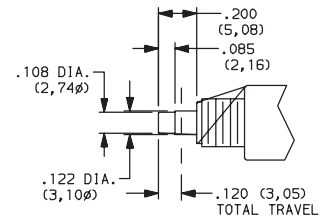


KM12 models only.

01 .122" DIA.

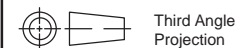


KM11 models only.



KM33 models only.

NOTE: Caps available for plunger options, see page A-64.



Dimensions are shown: IN (mm)
Dimensions subject to change

C&K KM Series Subminiature Pushbutton Switches

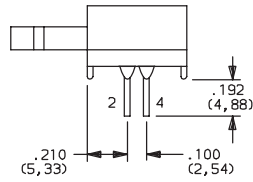


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Pushbutton

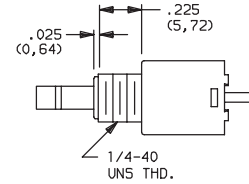
BUSHING/ MOUNTING STYLE

A (STD.) RIGHT ANGLE



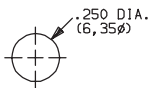
KM12 models only.

RR 1/4-40 THREAD, .225" HIGH



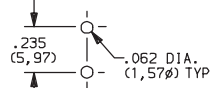
KM11 & KM33 models only.

PANEL MOUNTING

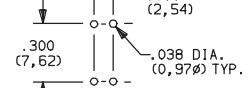


KM11 & KM33 models.

PC MOUNTING



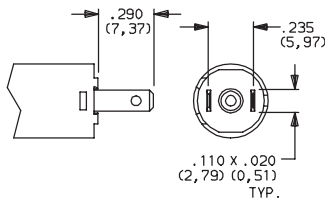
KM11 models only.



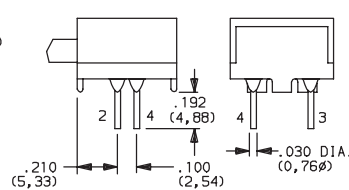
KM12 models only.

TERMINATIONS

05 (STD.) .110" QUICK CONNECT

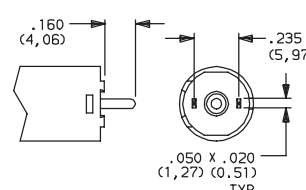


08 (STD.) RIGHT ANGLE, PC THRU-HOLE



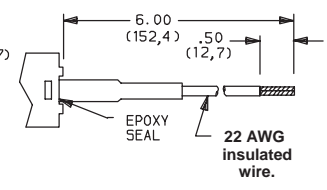
KM12 models only.

02 PC THRU-HOLE



KM11 models only.

WC WIRE LEAD



UL style 1015.

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
B (STD.)	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
Q (STD.)	SILVER ²	POWER	0.25 AMPS @ 125 V AC OR DC (KM11, KM12) (UL) 1 AMP @ 125 V AC OR 28 V DC (KM33).
G	GOLD OVER SILVER ³	LOW LEVEL/DRY CIRCUIT OR POWER	0.4 VA MAX. @ 20 V AC OR DC MAX. or 0.25 AMPS @ 125 V AC OR DC (KM11, KM12) (UL) 1 AMP @ 125 V AC OR 28 V DC (KM33).

CONTACT MATERIAL/APPLICATION RECOMMENDATIONS-SEE SECTION N.

¹ STATIONARY CONTACTS & TERMINALS: Copper, with gold plate over nickel plate.
MOVABLE CONTACT: Phosphor bronze or beryllium copper, with gold plate over nickel plate.

² STATIONARY CONTACTS & TERMINALS: Copper, silver plated (standard with all termination options).
MOVABLE CONTACT: Phosphor bronze or beryllium copper, silver plated.

³ STATIONARY CONTACTS & TERMINALS: Copper, with gold plate over nickel plate over silver plate.
MOVABLE CONTACT: Phosphor bronze or beryllium copper, with gold plate over nickel plate over silver plate.

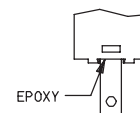
KM11, KM12 models when ordered with 'G' or 'Q' contact material.

NOTE: 'G' contact material is equivalent to both 'B' and 'Q' contact materials.

SEAL

NONE NO SEAL

E EPOXY SEAL



Dimensions are shown: IN (mm)
Dimensions subject to change

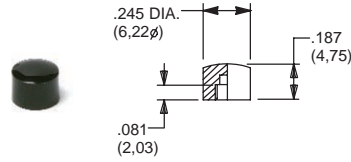
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AVAILABLE HARDWARE



Pushbutton
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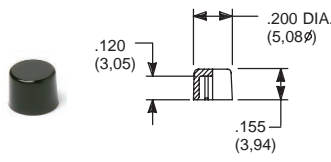
Cap, KM33 models



- PART NO.**
785101000 WHITE
785102000 BLACK
785103000 RED

Material: Nylon
 Finish: Gloss

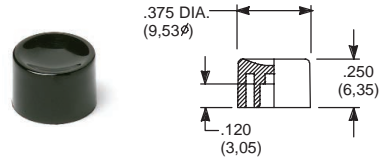
Cap, KM11 models



- PART NO.**
708901000 WHITE
708902000 BLACK
708903000 RED

Material: Nylon
 Finish: Gloss

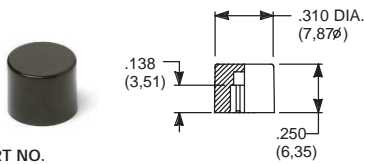
Cap, KM11 models



- PART NO.**
752701000 WHITE
752702000 BLACK
752703000 RED

Material: Nylon
 Finish: Gloss

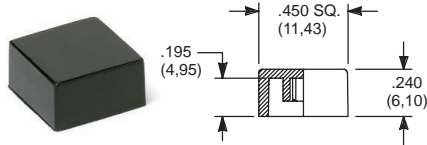
Cap, KM11 models



- PART NO.**
801801000 WHITE
801802000 BLACK
801803000 RED

Material: Nylon
 Finish: Gloss

Cap, KM11 models



- | | | | |
|------------------|-------|------------------|-------|
| PART NO. | | PART NO. | |
| 484601000 | WHITE | 798201000 | WHITE |
| 484602000 | BLACK | 798202263 | BLACK |
| 484603000 | RED | 798203000 | RED |

Material: Nylon
 Finish: Gloss

Material: Nylon
 Finish: Matte

NOTE: Other cap colors available, consult Customer Service Center.