

KM Series Subminiature Pushbutton Switches



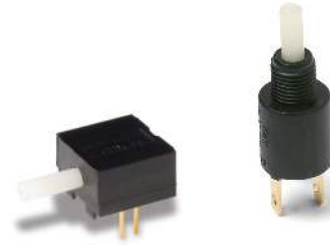
A
Pushbutton

Features/Benefits

- **Reliable contact design**
- **Available with pretravel and overtravel**
- **RoHS compliant**

Typical Applications

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



Models Available

Specifications

CONTACT RATING: Q contact material (KM11, KM12 Models):
0.25 AMPS @ 125 V AC or DC (UL). See following pages 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: Any models supplied with Q or B contact material are RoHS compliant.

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 models

MOVABLE CONTACT: B contact material: Bronze or copper, with gold plate over nickel plate. See following pages for additional contact materials.

STATIONARY CONTACTS & TERMINALS: B contact material: Copper, with gold plate over nickel plate. See following pages for additional contact materials.

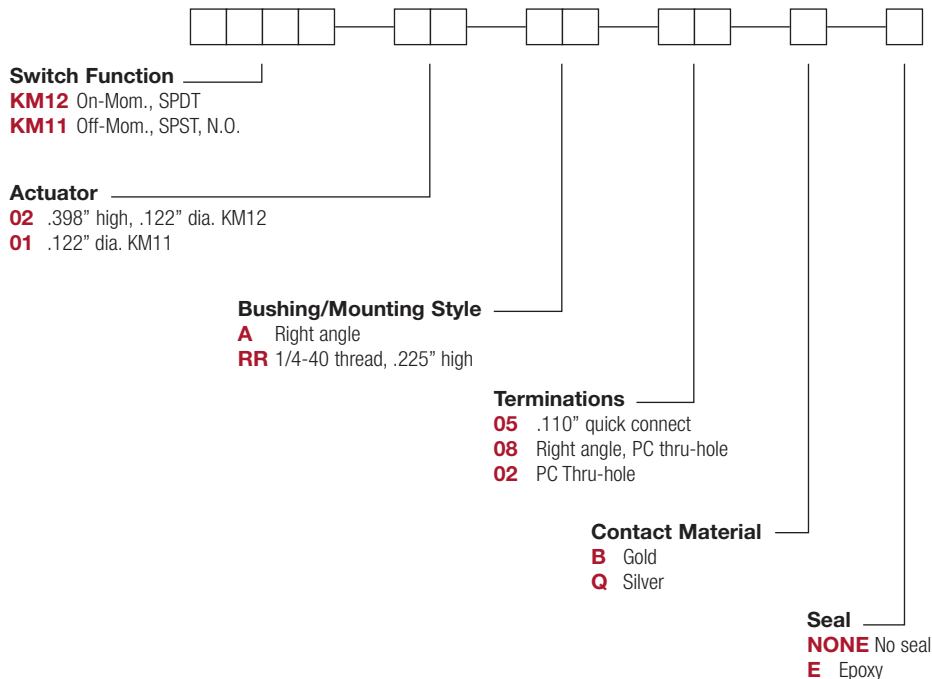
RETURN SPRING: Music wire, phosphor coated

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 following pages. For additional options not shown in catalog, consult Customer Service Center.



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Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change



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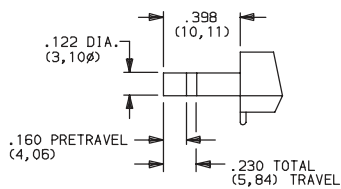
SWITCH FUNCTION

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.
<p>SPST</p>						
SP	KM12	ON	MOM.	2-1	4-3	SPDT
<p>SPDT</p>						

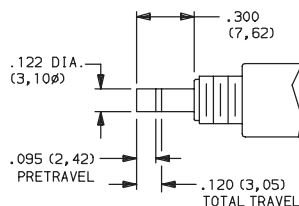
ACTUATOR

02 .398" HIGH, .122" DIA.



KM12 models only

01 .122" DIA.



KM11 models only

NOTE: Caps available for plunger options



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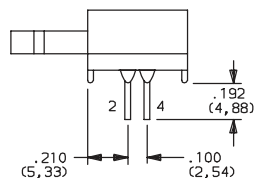
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BUSHING/ MOUNTING STYLE

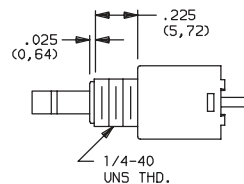


A RIGHT ANGLE



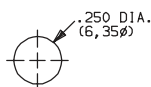
KM12 models only

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



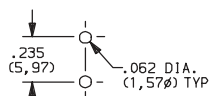
KM11 models only

PANEL MOUNTING

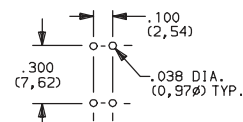


KM11 models

PC MOUNTING



KM11 models only

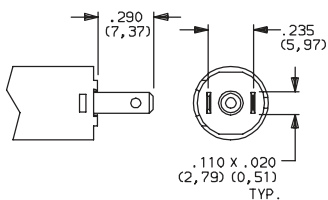


KM12 models only.

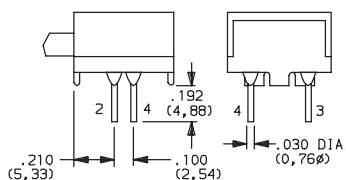
TERMINATIONS



05 .110" QUICK CONNECT

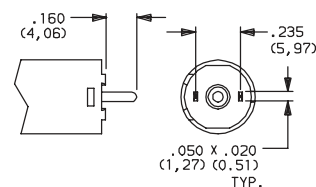


08 RIGHT ANGLE, PC THRU-HOLE



KM12 models only

02 PC THRU-HOLE



KM11 models only

CONTACT MATERIAL



OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	CONTACT AND TERMINAL MATERIAL	RATINGS	
				LOW LEVEL/DRY CIRCUIT	POWER
B	YES	YES	GOLD ¹	0.4 VA MAX. @ 20 V AC OR DC MAX.	
Q	YES	YES	SILVER ²	0.25 AMPS @ 125 V AC OR DC (KM11, KM12) (UL)	

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

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.

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

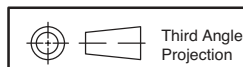
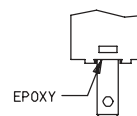
KM11, KM12 models when ordered with 'Q' contact material.

SEAL



NONE NO SEAL

E EPOXY SEAL



C&K

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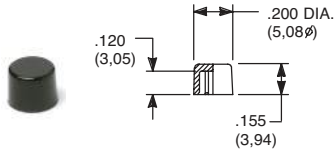


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AVAILABLE HARDWARE

Cap, KM11 and KM12 models

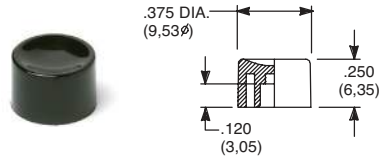


PART NO.

- 708901000** WHITE
- 708902000** BLACK
- 708903000** RED

Material: Nylon
Finish: Gloss

Cap, KM11 and KM12 models

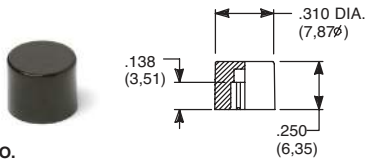


PART NO.

- 752701000** WHITE
- 752702000** BLACK
- 752703000** RED

Material: Nylon
Finish: Gloss

Cap, KM11 and KM12 models

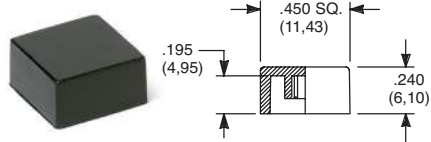


PART NO.

- 801801000** WHITE
- 801802000** BLACK
- 801803000** RED

Material: Nylon
Finish: Gloss

Cap, KM11 models



PART NO.

- 484601000** WHITE
- 484602000** BLACK
- 484603000** RED

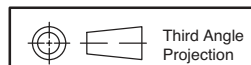
Material: Nylon
Finish: Gloss

PART NO.

- 798201000** WHITE
- 798202263** BLACK
- 798203000** RED

Material: Nylon
Finish: Matte

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



Third Angle
Projection