

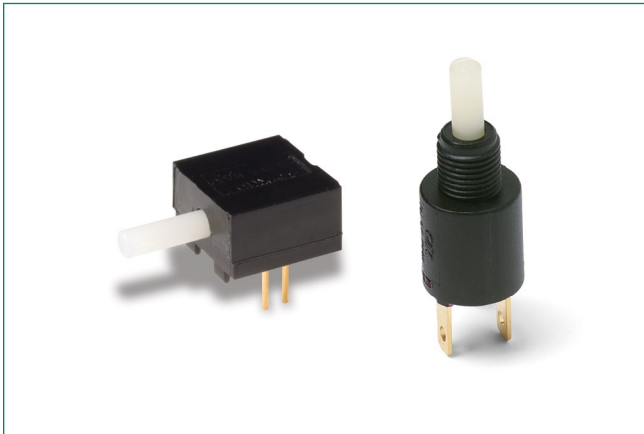


**THE DATASHEET OF  
KM1101RR05B**



# KM Series

## Subminiature Pushbutton Switches



### Agency Approvals

Agency	Agency File Number
	E42363

### Specifications

<b>Contact Rating</b>	Q contact material (KM11, KM12 Models): 0.25 amps @ 125 V AC or DC (UL). See following pages for additional ratings.
<b>Electrical Life</b>	10,000 actuations min. at full load
<b>Contact Resistance</b>	Below 30 mΩ typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts
<b>Insulation Resistance</b>	10 <sup>9</sup> Ω min.
<b>Dielectric Strength</b>	1000 Vrms min. @ sea level.
<b>Operating Temperature</b>	-30°C to 85°C (UL certification was done to a max. 65°C)
<b>Cap Installation Force</b>	10 lbs. max. permissible

#### Notes:

Any models supplied with Q or B contact material are RoHS compliant. Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

### Description

Innovative alarm system, detector switch and computing equipment developers turn to KM series of subminiature pushbutton switches when they need a switch that is reliable, long-lasting and compliant with RoHS. Built with a reliable contact design, the KM series is available with pretravel and overtravel options.

### Features & Benefits

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

### Applications

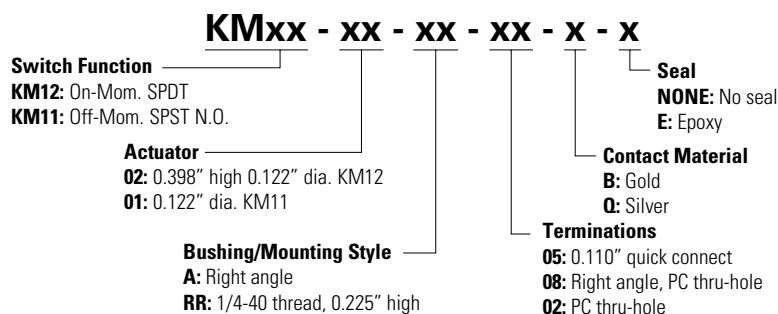
- Alarm systems
- Computers
- Detector switch application

### Materials

<b>Housing &amp; Bushing</b>	6/6 nylon (UL94V-2), black
<b>Actuator</b>	6/6 nylon (UL 94V-2), natural. Internal o-ring seal, available on KM11 models
<b>Movable Contact</b>	B contact material: Bronze or copper, with gold plate over nickel plate. See following pages for additional contact materials.
<b>Stationary Contacts &amp; Terminals</b>	B contact material: Copper, with gold plate over nickel plate. See following pages for additional contact materials.
<b>Return Spring</b>	Music wire, phosphor coated
<b>Mounting Nut</b>	Brass, nickel plated
<b>Terminal Seal</b>	Epoxy.

### Ordering Number

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.



# KM Series

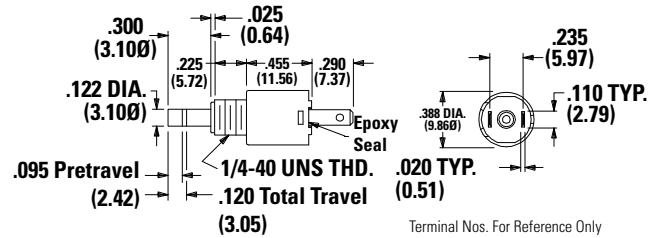
## Subminiature Pushbutton Switches



### Switch Function

#### SPST Dimensions inches (mm)

No. Poles	Model No.	Switch Function				Schematic
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	KM11	OFF	MOM.	OPEN	2-1	SPST N.O. 

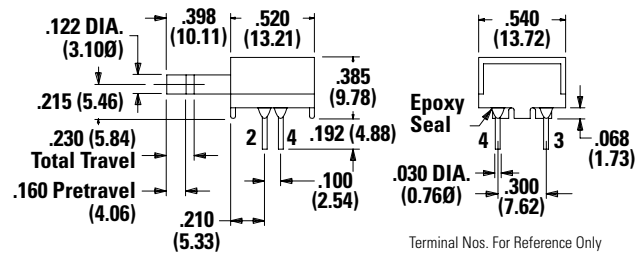


Part Number Shown: KM110RR05BE

Terminal Nos. For Reference Only

#### SPDT Dimensions inches (mm)

No. Poles	Model No.	Switch Function				Schematic
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	KM12	ON	MOM.	2-1	4-3	SPDT 

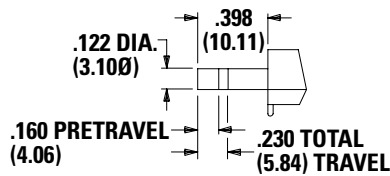


Part Number Shown: KM1202A08BE

Terminal Nos. For Reference Only

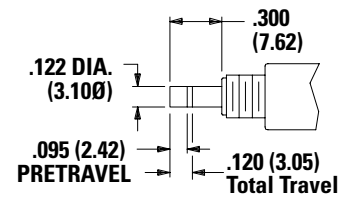
### Actuator

02 0.398" High, 0.122" Dia.



KM12 models only

01 0.122" Dia.

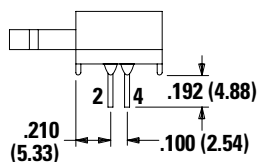


KM11 models only

Note: Caps available for plunger options

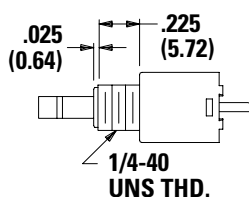
### Bushing/Mounting Style

A Right Angle



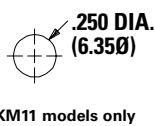
KM12 models only

RR 1/4-40 Thread, 0.225" High



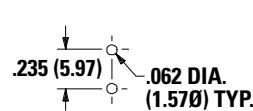
KM11 models only

Panel Mounting

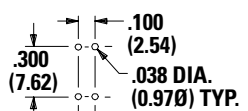


KM11 models only

PC Mounting



KM11 models only



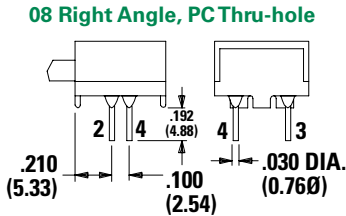
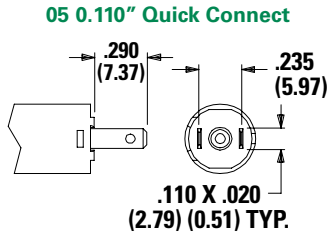
KM12 models only

# KM Series

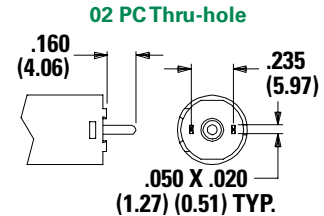
## Subminiature Pushbutton Switches



### Terminations inches (mm)



KM12 models only



KM11 models only

### Contact Material

Option Code	RoHS Compliant <sup>1</sup>	RoHS Compatible <sup>1</sup>	Contact and Terminal Material	Ratings
B	Yes	Yes	Gold <sup>2</sup>	Low Level/Dry Circuit
Q	Yes	Yes	Silver <sup>3</sup>	Power

0.4 VA Max. @ 20 V AC or DC Max.  
0.25 AMPS @ 125 V AC or DC (KM11, KM12) (UL)

**Notes:**

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

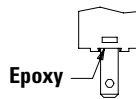
**1. Stationary Contacts & Terminals:** Copper, with gold plate over nickel plate. **Movable Contact:** Phosphor bronze or beryllium copper, with gold plate over nickel plate.

**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.

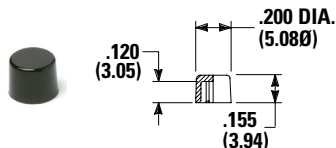
Any models supplied with Q or B contact material are RoHS compliant. KM12 models **are not** when ordered with 'Q' contact material.

### Seal E Epoxy Seal



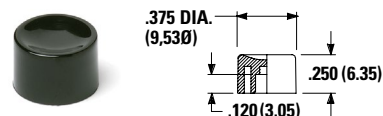
### Available Hardware inches (mm)

#### Cap, KM11 and KM12 models



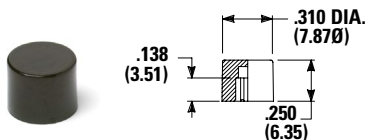
**PART NO.**  
708901000 WHITE  
708902000 BLACK  
708903000 RED  
**Material:** Nylon  
**Finish:** Gloss

#### Cap, KM11 and KM12 models



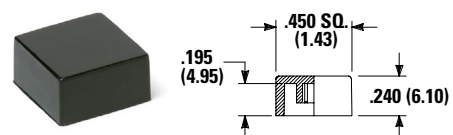
**PART NO.**  
752701000 WHITE  
752702000 BLACK  
752703000 RED  
**Material:** Nylon  
**Finish:** Gloss

#### 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

**Notes:** Other colors available, consult Customer Service Center.

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