

KM Series Subminiature Pushbutton Switches



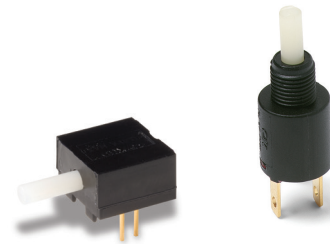
A
Pushbutton

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

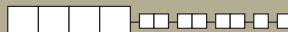
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on following pages. For additional options not shown in catalog, consult Customer Service Center.

Switch Function KM12 On-Mom., SPDT KM11 Off-Mom., SPST, N.O.	Actuator 02 .398" high, .122" dia. KM12 01 .122" dia. KM11	Bushing/Mounting Style A Right angle RR 1/4-40 thread, .225" high	Terminations 05 .110" quick connect 08 Right angle, PC thru-hole 02 PC Thru-hole	Contact Material B Gold Q Silver	Seal NONE No seal E Epoxy
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SWITCH FUNCTION

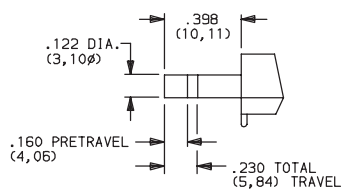


NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	KM11	OFF	MOM.	OPEN	2-1	SPST N.O.
SPST						
SP	KM12	ON	MOM.	2-1	4-3	SPDT
SPDT						

ACTUATOR

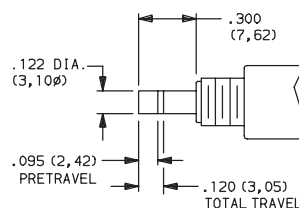


02 .398" HIGH, .122" DIA.



KM12 models only

01 .122" DIA.



KM11 models only

NOTE: Caps available for plunger options



Third Angle
Projection

KM Series Subminiature Pushbutton Switches

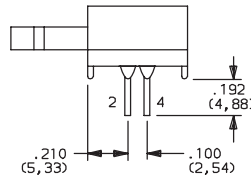


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BUSHING/ MOUNTING STYLE

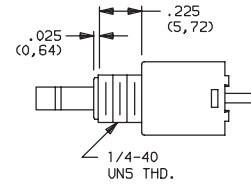


A RIGHT ANGLE



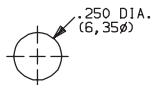
KM12 models only

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



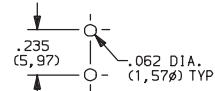
KM11 models only

PANEL MOUNTING

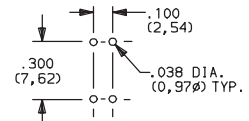


KM11 models

PC MOUNTING



KM11 models only

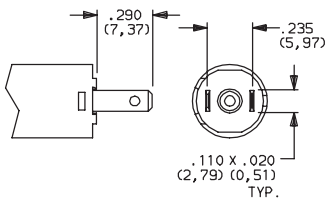


KM12 models only.

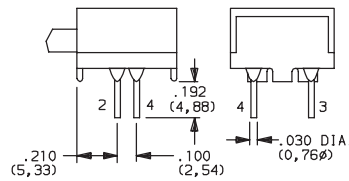
TERMINATIONS



05 .110" QUICK CONNECT

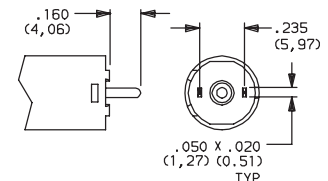


08 RIGHT ANGLE, PC THRU-HOLE



KM12 models only

02 PC THRU-HOLE



KM11 models only

CONTACT MATERIAL



OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	CONTACT AND TERMINAL MATERIAL	RATINGS	
B	YES	YES	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
Q	YES	YES	SILVER ²	POWER	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.

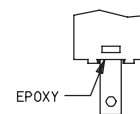
KM11, KM12 models  when ordered with 'Q' contact material.

SEAL



NONE NO SEAL

E EPOXY SEAL



C&K

8 Aug 22

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



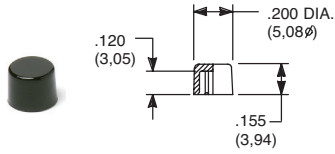
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AVAILABLE HARDWARE

Cap, KM11 and KM12 models

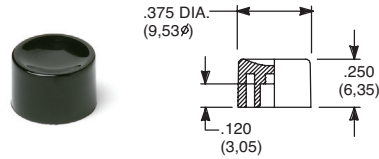


PART NO.

708901000 WHITE
708902000 BLACK
708903000 RED

Material: Nylon
 Finish: Gloss

Cap, KM11 and KM12 models

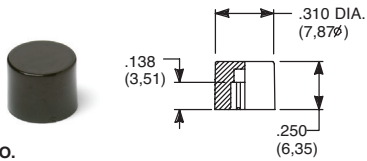


PART NO.

752701000 WHITE
752702000 BLACK
752703000 RED

Material: Nylon
 Finish: Gloss

Cap, KM11 and KM12 models

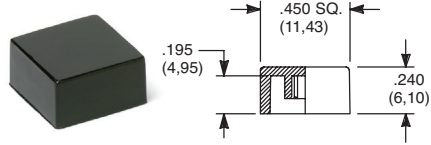


PART NO.

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.

Mouser Electronics

Authorized Distributor

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[C&K Switches:](#)

[KM1101RR05QE](#) [KM1101RR02BE](#)