KM Series Subminiature Detect Switches

Features/Benefits

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

Typical Applications

- Alarm systems
- Computers
- Detector switch application





Specifications

CONTACT RATING: Q contact material: 0.25 AMPS @ 125 V AC or DC (UL). See page F-39 for additional ratings.

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

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

INSULATION RESISTANCE: $10^9\Omega$ 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.

MOVABLE CONTACT: B contact material: Bronze or copper, with gold plate over nickel plate. See page F-39 for additional contact materials.

STATIONARY CONTACTS & TERMINALS: B contact material: Copper, with gold plate over nickel plate. See page F-39 for additional contact materials.

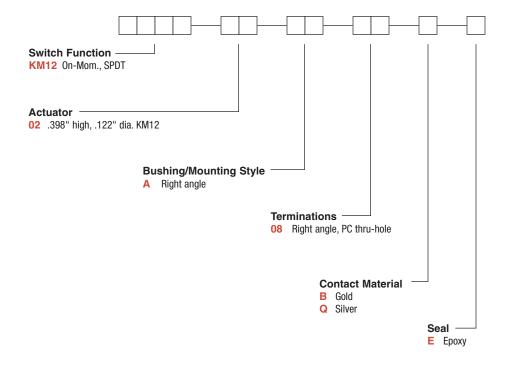
RETURN SPRING: Music wire, phosphor coated.

MOUNTING NUT: Brass, nickel plated.

TERMINAL SEAL: Epoxy.

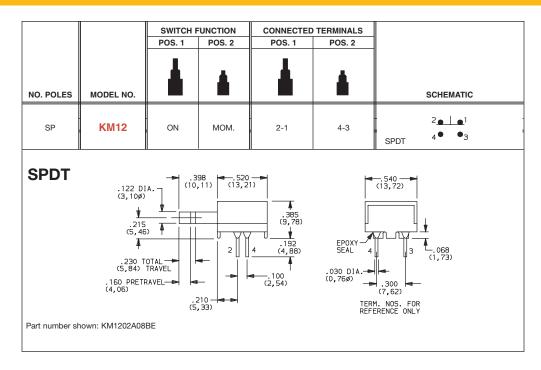
Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages F-38 and F-39. For additional options not shown in catalog, consult Customer Service Center.





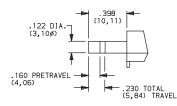
Dimensions are shown: inches (mm) Specifications and dimensions subject to change



ACTUATOR



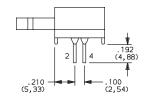
02 .398" HIGH, .122" DIA.

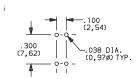


NOTE: Caps available for plunger options, see page F-39.

BUSHING/ MOUNTING STYLE

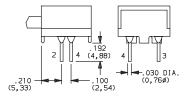
RIGHT ANGLE





TERMINATIONS

08 RIGHT ANGLE, PC THRU-HOLE





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



COMP

CONTACT MATERIAL ——————

SILVER 2

RoHS PATIBLE *	CONTACT AND TERMINAL MATERIAL	RATINGS	
YES	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
VEO	SILVED 2	DOWED	0.25 AMPS @ 125 V AC OR DC (KM11, KM12) (UL)

POWER

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

YES

- 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
- 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.

KM12 models

when ordered with 'Q' contact material.

1 AMP @ 125 V AC OR 28 V DC (KM33).

Е EPOXY SEAL

OPTION

CODE

Q

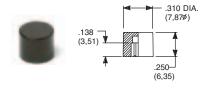
RoHS

YES

YES

COMPLIANT

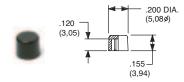
AVAILABLE HARDWARE



PART NO.

801801000 WHITE 801802000 BLACK 801803000 RED

Material: Nylon Finish: Gloss

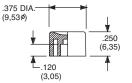


PART NO.

708901000 WHITE 708902000 BLACK 708903000 RED

Material: Nylon Finish: Gloss





PART NO.

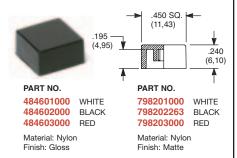
752701000 WHITE 752702000 BLACK 752703000 RED

Material: Nylon Finish: Gloss









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





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