

8M(LOCK) Series

Sub-Miniature Pushbutton Switches



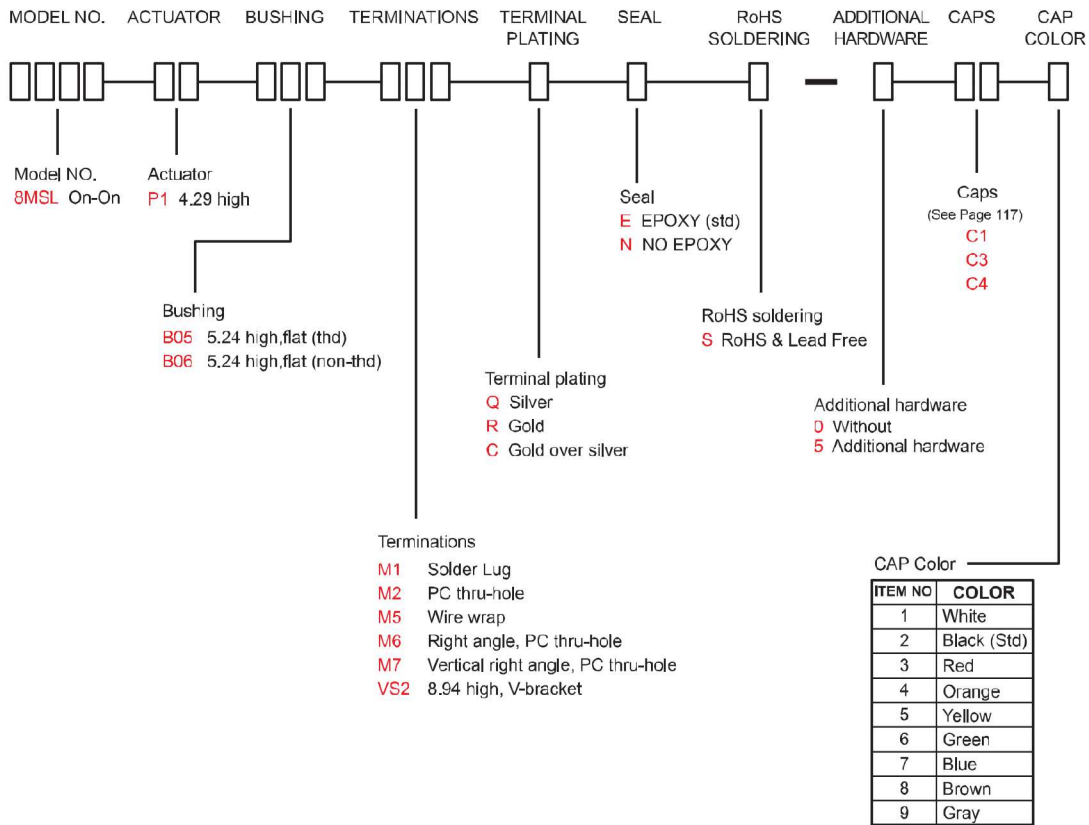
SPECIFICATIONS

RATING: 1A 250VAC, 3A 120VAC or 28VDC
ELECTRICAL LIFE: 6,000 cycles.
CONTACT RESISTANCE: R=20 mΩ max., Q=50 mΩ max.
INSULATION RESISTANCE: 1,000 MΩ min., 1000VDC
DIELECTRIC STRENGTH: 1,000 VAC for 1 Minute.
OPERATING TEMPERATURE: -30°C to 85°C.
FULL TRAVEL: 1.88±0.30mm
OPERATING TRAVEL: 1.34±0.25mm
OPERATING FORCE: 350±100g
MATERIALS
CASE: Diallyl phthalate(DAP) (UL94V-0).
PLUNGER: Nylon glass fiber.
BUSHING: Brass,nickel plated.
HOUSING: Stainless.
SWITCH SUPPORT: Brass,tin plated.
CONTACT/TERMINAL:Brass, with silver or gold plated. (See Page 120)



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HOW TO ORDER



* Besides standard color, other colors need to check stocks available.

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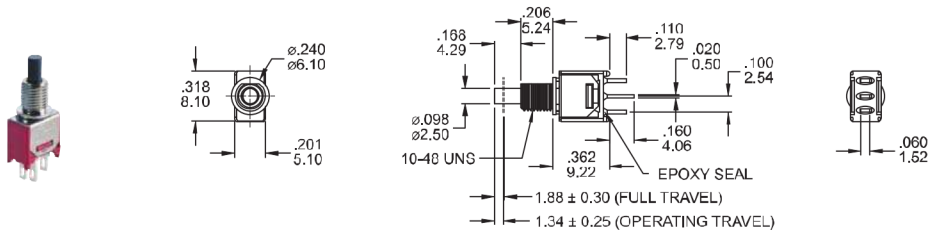
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SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
			POS.1	POS.2	POS.1	POS.2
SP	Q28	8MSL	ON	ON	2-1 NC 1 • 3 NO	2-3 NC 1 • 3 NO

POLE OPTIONS

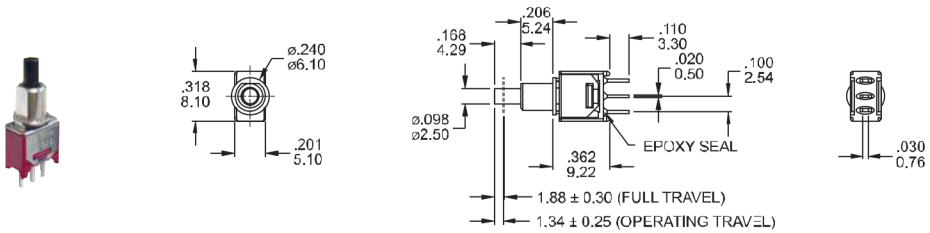
M1



SPDT

Part No. Shown : 8MSLP1B05M1QE

M2

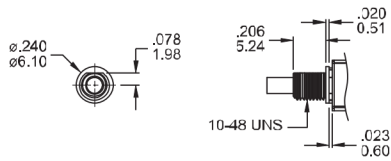


SPDT

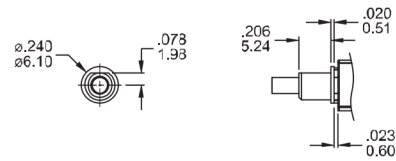
Part No. Shown : 8MSLP1B06M2QE

BUSHING AND TERMINATION OPTIONS

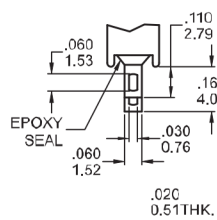
B05 THD



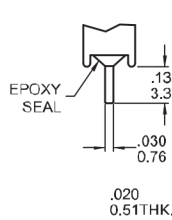
B06 NON-THD



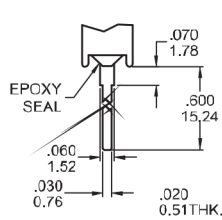
M1 Solder lug



M2 PC Thru-hole



M5 Wire Wrap



OTHER TERMINATION OPTIONS

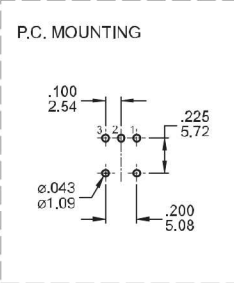
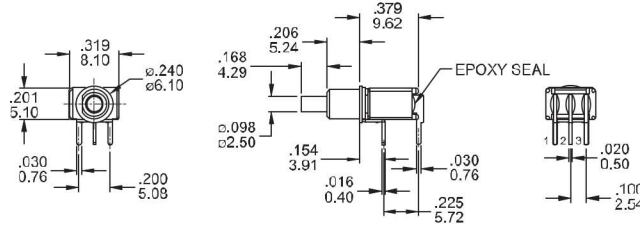
- M6** Right angle P.C. Mount
- M7** Right angle P.C. Mount
- VS2** Vertical bracket P.C. Mount

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M6

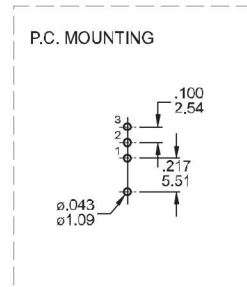
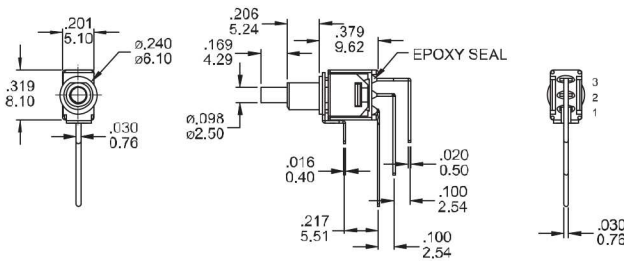


SPDT

Part No. Shown : 8MSLP1B06M6QE

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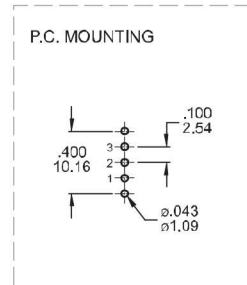
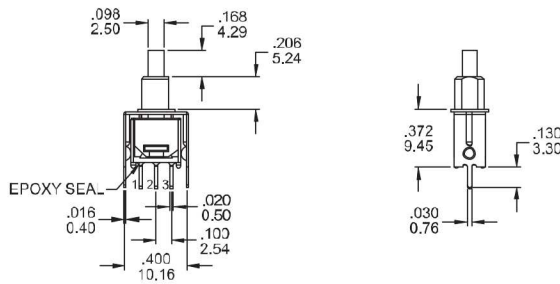
M7



SPDT

Part No. Shown : 8MSLP1B06M7QE

VS2



SPDT

Part No. Shown : 8MSLP1B06VS2QE

CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
C	Gold over Silver	C = Gold over silver	
R	Gold	R = Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

SOLDERING PROCESSES

MANUAL SOLDERING: Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

WAVE SOLDERING: Recommended Soldering Temperature: 270 ± 5°C
Duration of Solder Immersion: Max 5 sec. (PCB is 1.6mm in thickness)

Part No. Shown : 8MD9P1B10M2RE