Sub-Miniature Pushbutton Switches - PUM series

SPECIFICATIONS

CONTACT RATING: Dependent upon contact material. See Contact Plating & Ratings.

MECHANICAL LIFE: 50,000 make-and-break cycles.

CONTACT RESISTANCE: 20 m Ω max. initial @ 2-4VDC 100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 MΩmin.

DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.

OPERATING TEMPERATURE: -40°C to 85°C.

MATERIALS

CASE: Diallyl phthalate(DAP) (UL94V-0).
PLUNGER: Nylon 6/6,black.
BUSHING: Brass or zinc,nickel plated.
HOUSING: Stainless Steel.
SWITCH SUPPORT: Brass.tin plated.
CONTACT/TERMINAL: Copper alloy or Brass, with silver or gold plated. See Contact Plating & Ratings.

PART NUMBERING SYSTEM

PUMFModel No.Actuators (Plunger)Bushings-TerminationsContact PlatingCap options-FSee Cap optionsSee Cap optionsIIWithoutIEEpoxy seal								
Model No./	Model No./ Switching function ()= Momentary Unit: Inch/ mm							
	SPST		Part No. Shown: PUM-S9-B5-M1 E-F					
Model	Switching	g function	SPST					
No.		1	FLAT					
S 9	Off	(On)						
Connected terminals	Open	1-3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
Schematic								
	SPDT		Part No. Shown: PUM-S8-B5-M1 E-F					
Model	Switching	g function	SPDT					
No.			a 220 EPOXY a 6.10 a 5.59 SEAL					
S8	On	(On)						
Connected terminals	2-1	2-3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
Schematic	NC 1 • 3 NO	NC 1 • 2 (COMM) 3 NO	4 06					



M models available,

consult sales representatives.

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Actuators(Plunger)BushingsUnit: Inch/ mmPlunger only(Std.)B5 Threaded (Std.)B6 Unthreaded (Std.) $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{254}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{254}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{254}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{254}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{254}}_{\circ}$ $\stackrel{\circ}{_{254}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{254}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$ $\stackrel{\circ}{_{255}}_{\circ}$

Bushings

Unit: Inch/ mm

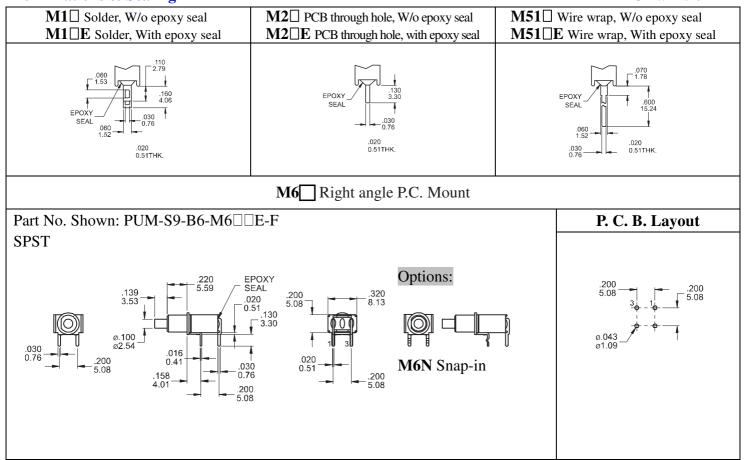
MF

 (\Box)

B7 Round	B8 Threaded	B9 Short	B10 Unthreaded
ø.185 ø.6.10 ø.6.10 ø.6.10 ø.6.185 ø.4.75	225 5.72 6.22 6.22 6.22 6.22		225 5.72 5.72 6.22 6.22 6.22 6.22
^{9,100} ^{9,254} ¹⁵⁵ ^{3,94} ²²⁰ ^{5,59} ^{0,20}	0.120 0.120 0.120 0.14 0.15 0.1	0.100 0.2.54 0.20 0.51	0.51 0.120 0.120 0.51 0.120 0.120 0.51 0.121 0.215 0.215 0.215 0.215 0.310 0.51 0.310 0.51 0

Terminations & Sealing

Unit: Inch/mm

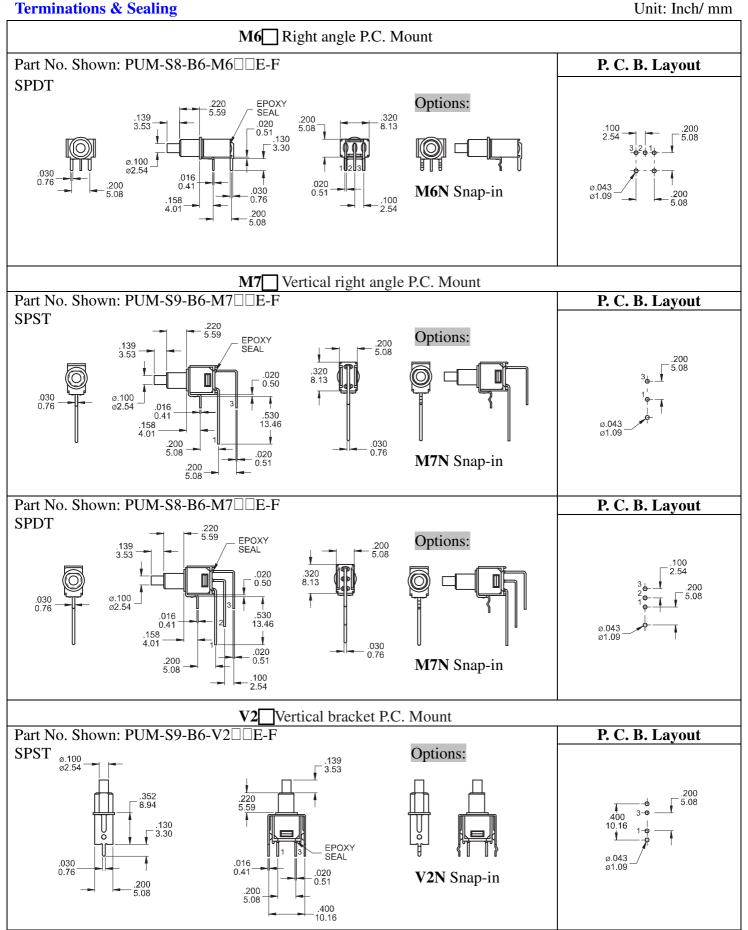




Unit: Inch/mm

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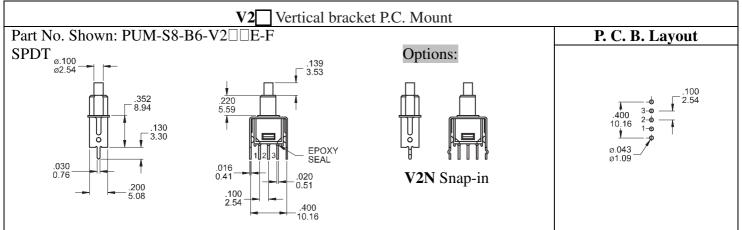


Specifications and dimensions subject to change.

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Unit: Inch/ mm

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Contact Plating & Ratings

Terminations & Sealing

Option code	Contact plating	Terminal plating	Ratings		
G	Gold	Gold	0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)		
S	Silver	Silver	3 Amps with resistant load @ 120VAC or 28VDC		
A Gold over silver		Gold over silver	1 Amps with resistant load @ 250VAC		

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: $270 \pm 5^{\circ}$ C.

Duration of solder immersion: Max 5 sec. (PCB is 1.6mm in thickness).

Cap options

Unit: Inch/ mm

Cupo	Cap options Ont. Incl. 11						
C1		C2		C3			
.159 4.03 .087 2.20		.138 3.50 .091 2.30		^{.159} ^{4.03} ^{.102} ^{.102} ^{2.60} For B8, B10 bushing only			
Cap color (Besides standard color, other colors need to check stocks available.)							
Plunger only		4	Orange	8	Brown		
1	White	5	Yellow	9	Gray		
2	Black(STD.)	6	Green				
3	Red	7	Blue				
3	Red	7	Blue				