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Specifications

Contact Rating : Dependent upon content material Mechanical Life : 50,000 make-and-break cycles Max. Contact Resistance : $20m\Omega$ initial at 2V DC ~ 4V DC

100mA for both silver and gold plated contacts

Min. Insulation Resistance : $1,000M\Omega$

Dielectric Strength : 1,000V rms at sea level

Operating Temperature : -30°C to 85°C

Materials:

Case : Diallyl phthalate (DAP)
Plunger : Thermoplastic Polyester-black

Bushing : Brass, nickel plated
Housing : Stainless steel
Contact : Silver or gold plated
Terminal : Brass, silver plated
Terminal support : Brass, tin plated

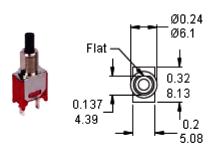
Switch Function

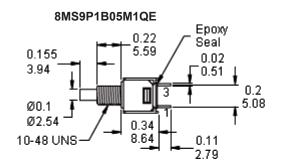
	Model Numbers	Switch Function		Connected Terminals/Schematic	
Number of Poles		Position 1	Position 1 Position 2 Position 1		Position 2
		1	1	4	1
SP	8BS8	ON	МОМ	2-1 /2 (Comm) NC 1 • 3 NO	2-3 NC 1 • \(^2\)(Comm) 3 NO
	8BS9	OFF	МОМ	Open	1-3 1 1 1 1 3
DP	8MD9	OFF	МОМ	Open	1-3, 4-6

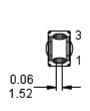
MOM = Momentary

Pole Options

SPDT



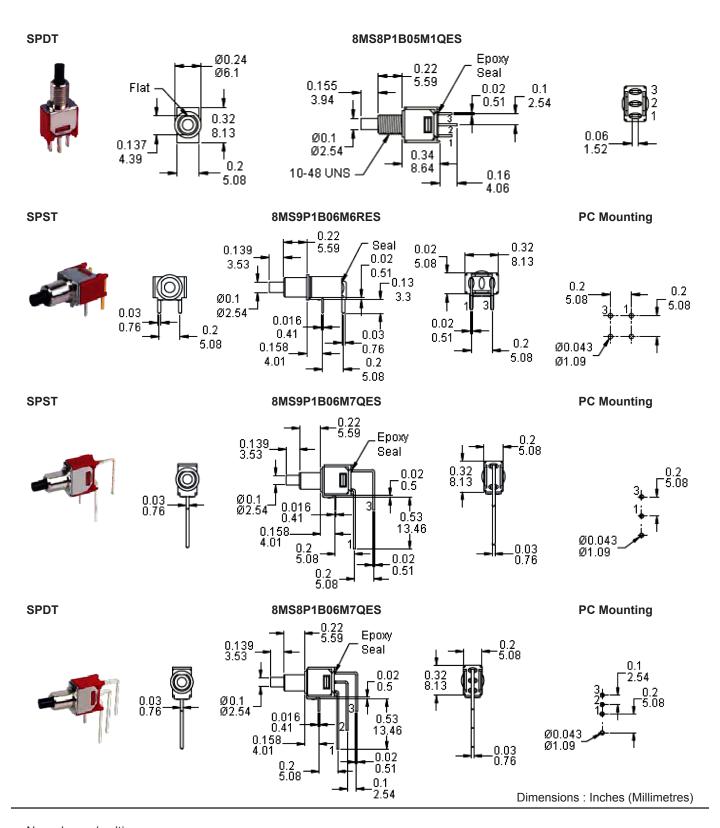




Dimensions: Inches (Millimetres)

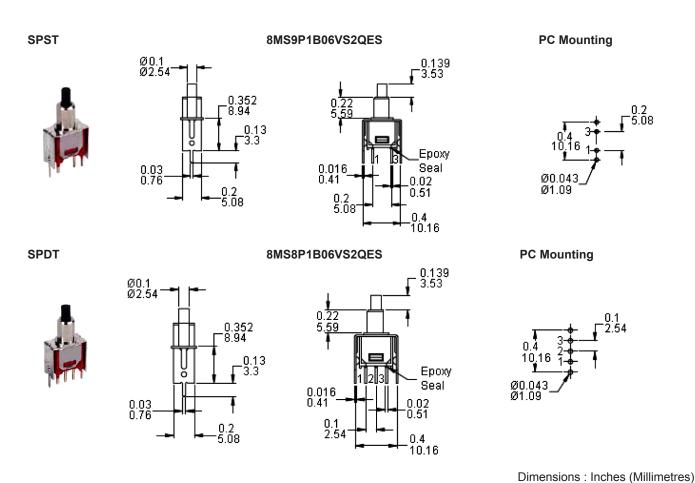


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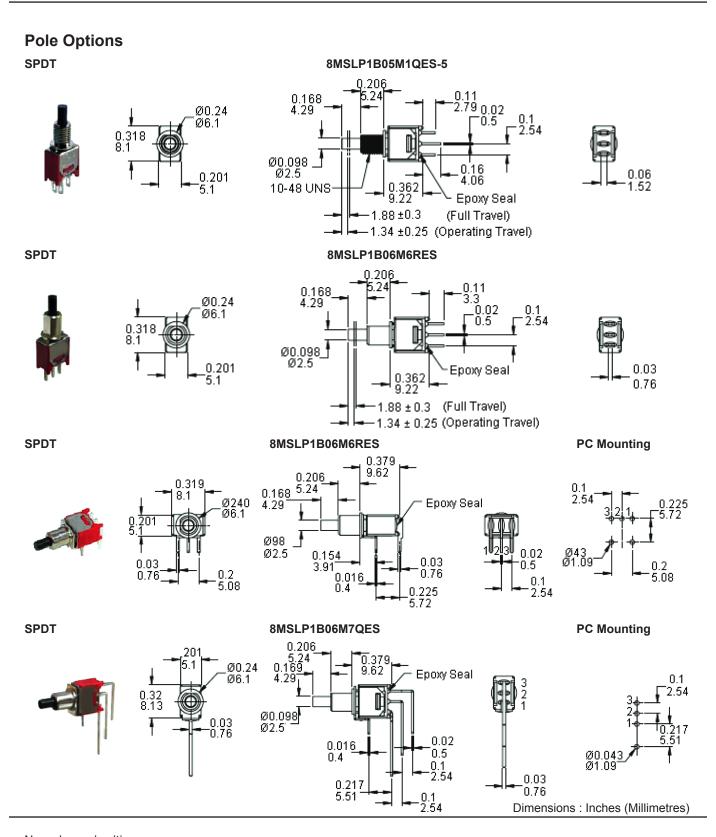


Switch Function

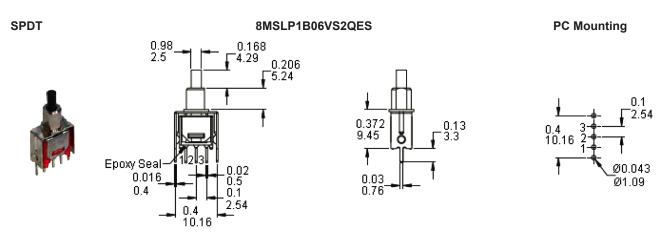
Number of Poles	Model Numbers	Switch Function		Connected Terminals/Schematic		
		Position 1	Position 2	Position 1	Position 2	
		1	4	•	1	
SP	8MSL	ON	ON	2-1 NC 1 • 3 NO	2-3 NC 1 • 3 NO	

MOM = Momentary

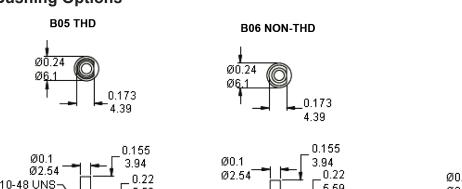
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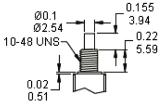
Bushing Options

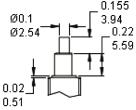


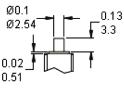


B10

Ø0.2

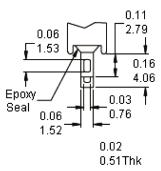




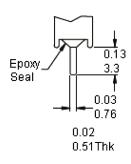


Termination Options

M1 Solder LUG



M2 PC Mounting



Other Termination Options

M6 = Right Angle PC Mount M7 = Right Angle PC Mount VS2 = Vertical Bracket PC Mount

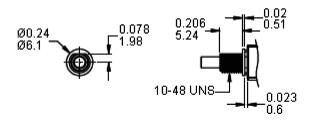
Dimensions: Inches (Millimetres)

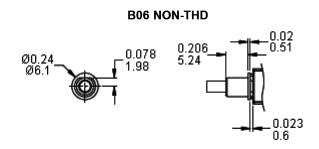




Bushing Options

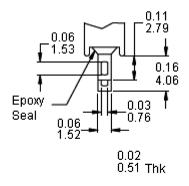
B05 THD



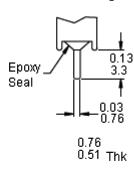


Termination Options

M1 Solder LUG



M2 PC Mounting



Dimensions: Inches (Millimetres)

Other Termination Options

M6 = Right Angle PC Mount

M7 = Right Angle PC Mount

VS2 = Vertical Bracket PC Mount

Contact Material Options

	Contact Plating	Terminal Plating	Ratings
Q	Silver	Q = Silver	3 Amperes with resistant load at 120V AC or 28V DC 1 Ampere with resistant load at 250V AC
R	Gold	R = Gold	0.4 Volt - Amperes (VA) maximum at 20V maximum (AC or DC)

Soldering Process

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

Wave soldering : Recommended soldering temperature : 260 ±5°C

Duration of solder immersion: Maximum 5 seconds (PCB is 1.6mm in thickness)

Soldering : Vapour phase

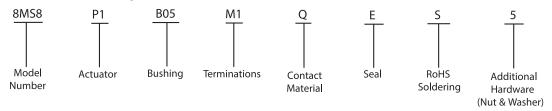




Part Number Table

Description	Part Number
Switch, SPDT, Off-MOM, Solder	8MS9P1B05M1QE
Switch, SPDT, On-MOM, Solder	8MS8P1B05M1QES
Switch, DPDT, Off-MOM, PCB	8MD9P1B10M2RES
Switch, SPST, Off-MOM, Right / Angle	8MS9P1B06M6RES
Switch, DPDT, Off-MOM, Right / Angle	8MD9P1B10M6RES
Switch, SPST, Off-MOM, Vert Right / Angle	8MS9P1B06M7QES
Switch, SPDT, On-MOM, Vert Right / Angle	8MS8P1B06M7QES
Switch, SPST, Off-MOM, V-Bracket	8MS9P1B06VS2QES
Switch, SPDT, On-MOM, V-Bracket	8MS8P1B06VS2QES
Switch, SPDT, Off-MOM, Solder	8MS9AP122M1QES
Switch, SPDT, On-On, Solder	8MSLP1B05M1QES-5
Switch, SPDT, On-On, PCB	8MSLP1B06M2QES
Switch, SPDT, On-On, Right / Angle	8MSLP1B06M6RES
Switch, SPDT, On-On, Vert Right / Angle	8MSLP1B06M7QES
Switch, SPDT, On-On, V-Bracket	8MSLP1B06VS2QES

Part Number Explanation



Model Number : 8MS8 = On-Mom, 8MS9 = Off-Mom and 8MSL = On-On

Actuator : P1 = 3.94 high

Bushing :B05 = 5.59 high, flat (thd), B06 = 5.59 high, flat (non-thd) and B10 = 3.30 high

Frame Colour / Actuator Colour : 22 = Black (Standard)

Terminations : M1 = Solder Lug, M2 = PC thru-hole, M6 = Right angle, PC thru-hole, M7 = Vertical right

angle,

PC thru-hole and VS2 = 8.94 high, V-bracket

Contact Material : Q = Silver, R = Gold Seal :E = Epoxy (std)

RoHS Soldering : S = RoHS and Lead Free

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