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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

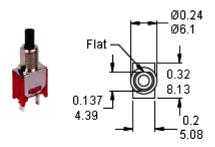
Switch Function

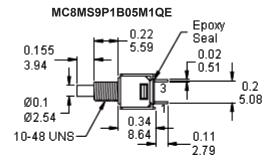
| | Model Numbers | Switch Function | | Connected Terminals/Schematic | |
|-----------------|------------------|-----------------|------------|-------------------------------|------------------------------|
| Number of Poles | | Position 1 | Position 2 | Position 1 | Position 2 |
| | | 1 | 1 | 4 | 1 |
| SP | MC8BS8 | ON | МОМ | 2-1 /2 (Comm) NC 1 • 3 NO | 2-3 NC 1 * \(^2\)(Comm) 3 NO |
| | MC8BS9 | OFF | МОМ | Open | 1-3 1 1 1 3 |
| DP | MC8MD9 | OFF | МОМ | Open | 1-3, 4-6 |

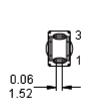
MOM = Momentary

Pole Options

SPDT



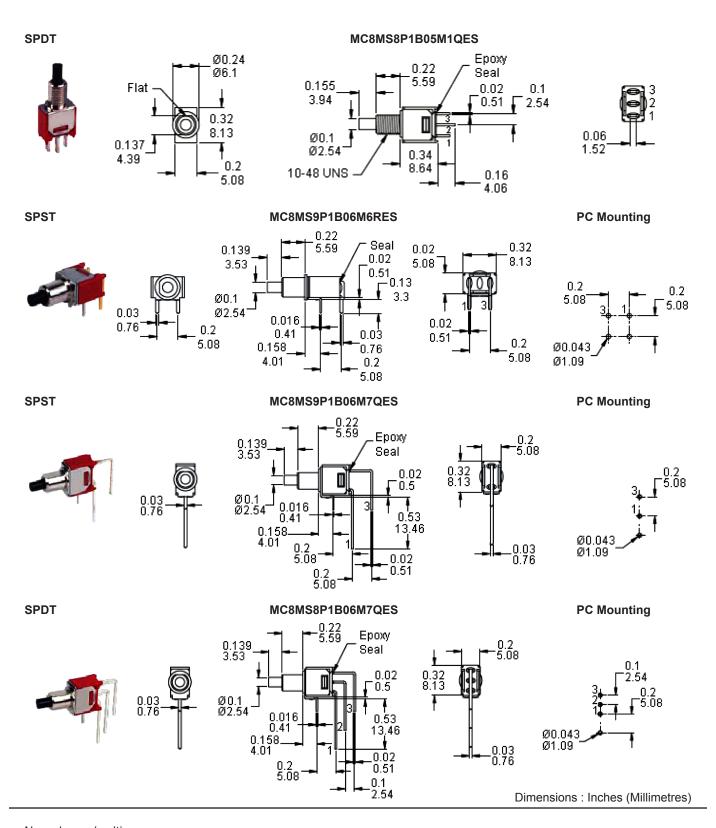




Dimensions: Inches (Millimetres)

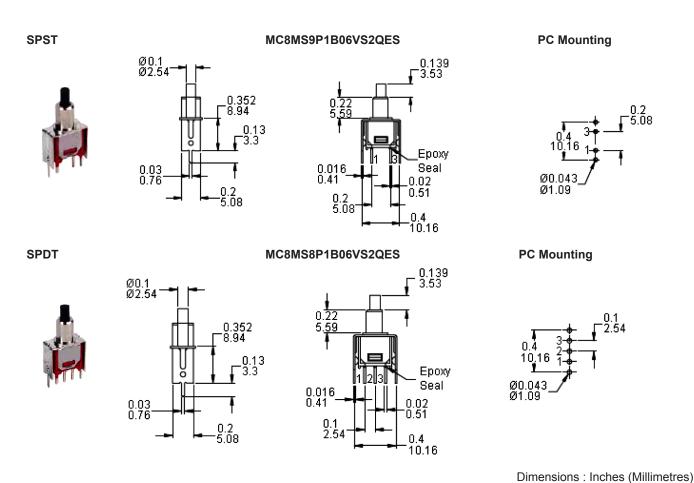


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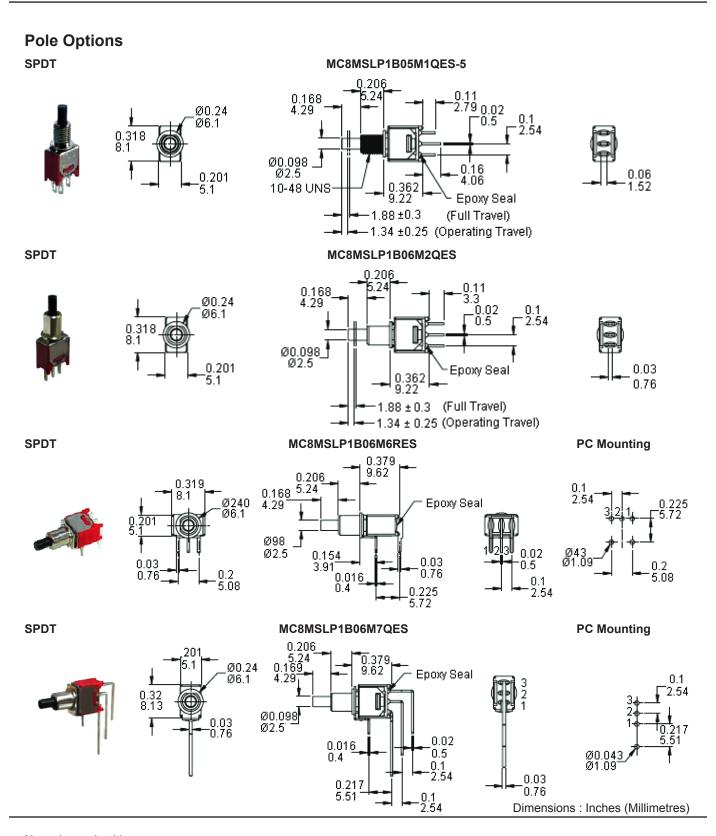


Switch Function

| Number of Poles | Model Numbers | Switch Function | | Connected Terminals/Schematic | |
|-----------------|------------------|-----------------|------------|-------------------------------|------------------------------|
| | | Position 1 | Position 2 | Position 1 | Position 2 |
| | | 1 | 4 | • | 1 |
| SP | MC8MSL | ON | ON | 2-1 /2 (Comm) NC 1 • 3 NO | 2-3 NC 1 • \(^2\)(Comm) 3 NO |

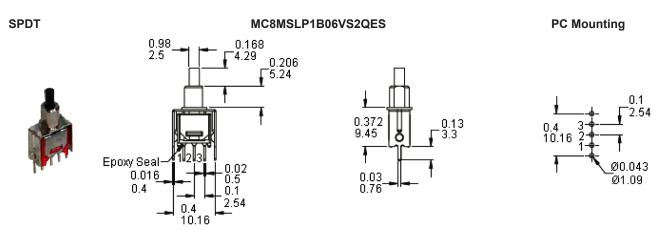
MOM = Momentary

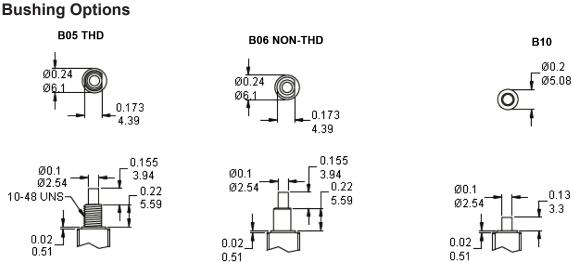
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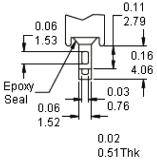
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Termination Options

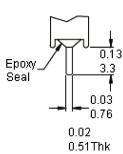
M1 Solder LUG



Other Termination Options

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

M2 PC Mounting



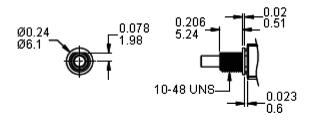
Dimensions: Inches (Millimetres)

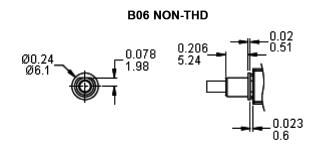




Bushing Options

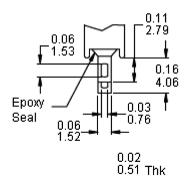
B05 THD



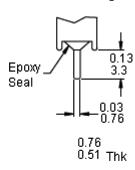


Termination Options

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

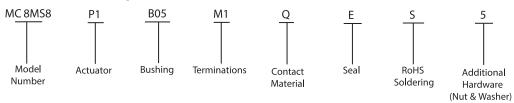




Part Number Table

| Description | Part Number |
|---|--------------------|
| Switch, SPST, Off-MOM, Solder | MC8MS9P1B05M1QE |
| Switch, SPDT, On-MOM, Solder | MC8MS8P1B05M1QES |
| Switch, DPST, Off-MOM, PCB | MC8MD9P1B10M2RES |
| Switch, SPST, Off-MOM, Right / Angle | MC8MS9P1B06M6RES |
| Switch, DPST, Off-MOM, Right / Angle | MC8MD9P1B10M6RES |
| Switch, SPST, Off-MOM, Vert Right / Angle | MC8MS9P1B06M7QES |
| Switch, SPDT, On-MOM, Vert Right / Angle | MC8MS8P1B06M7QES |
| Switch, SPST, Off-MOM, V-Bracket | MC8MS9P1B06VS2QES |
| Switch, SPDT, On-MOM, V-Bracket | MC8MS8P1B06VS2QES |
| Switch, SPDT, Off-MOM, Solder | MC8MS9AP122M1QES |
| Switch, SPDT, On-On, Solder | MC8MSLP1B05M1QES-5 |
| Switch, SPDT, On-On, PCB | MC8MSLP1B06M2QES |
| Switch, SPDT, On-On, Right / Angle | MC8MSLP1B06M6RES |
| Switch, SPDT, On-On, Vert Right / Angle | MC8MSLP1B06M7QES |
| Switch, SPDT, On-On, V-Bracket | MC8MSLP1B06VS2QES |

Part Number Explanation



Model Number : MC8MS8 = On-Mom, MC8MS9 = Off-Mom and MC8MSL = 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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