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Specifications:

Contact rating : Dependent upon content material. Mechanical life : 40,000 make and break cycles.

 $\begin{array}{ll} \mbox{Maximum contact resistance} & : 10 \mbox{m} \Omega. \\ \mbox{Initial voltage} & : 2 \mbox{ to 4V dc.} \end{array}$

Current : 10mA for both silver and gold plated contacts.

Minimum Insulation resistance: : 1,000M Ω .

Dielectric strength : 1,000Vrms at sea level.

Operating temperature : -30°C to 85°C.

Materials:

Case : Diallyl phthalate (DAP) (UL94v-0).

Actuator : Brass, chrome plated.
Bushing : Brass, nickel plated.
Housing : Stainless steel.
Switch support : Brass, tin plated.
Terminal/contact : Silver or gold plated.



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Switch Function

Number of Poles	UL/CSA Model Numbers	Model Number	Switch Function			Connected Terminals/Schematic		
			Position 1	Position 2	Position 3	Position 1	Position 2	Position 3
			À		4	À	4	4
SP	Q1111	1MS1		None	ON	2 to 3	N/A	2 to 1
	Q1112	1MS2	On	None	MOM			2(COMM) 1• 3
	Q1113	1MS3			ON	2(COMM) - 1• 3	Open	
	Q1114	1MS4	MOM	Off	MOM			
	Q1115	1MS5			MOM			
DP	Q1121	1MD1	On	None	ON	2 to 3, 5 to 8	N/A	2 to 1, 5 to 4
	Q1122	1MD2		None	MOM			,
	Q1123	1MD3			ON	ON 1-200MM5-6 MOM	Open	2(COMM)5 1 3 4 6
	Q1124	1MD4		Off	MOM			17-3 47-6
	Q1125	1MD5	On		MOM			
	Q1126	1MD6			On	2 to 3, 5 to 6	2 to 3, 5 to 4	2 to 1, 5 to 4
	Q1127	1MD7	MOM	On	MOM			
	Q1128	1MD8			MOM			
3P						2 to 3, 5 to 6, 8 to 9		2 to 1, 5 to 4, 8 to 7
	Q1131	1M31		N		1 • 3 4 • 6 7 • 9		1 3 4 6 7 9
4P	Q1141	1M41	- On	None		2 to 3, 5 to 6, 8 to 9, 11 to 12		2 to 1, 5 to 4, 8 to 7, 11 to 10
					On	11 \(\frac{1}{3} \) \(\frac{1}{4} \) \(\frac{5(00000)}{6} \) \(\frac{1}{7} + \sqrt{3} \) \(\frac{11}{10} + \sqrt{12} \)	N/A	1 2 5(000M) 87 117 12 12

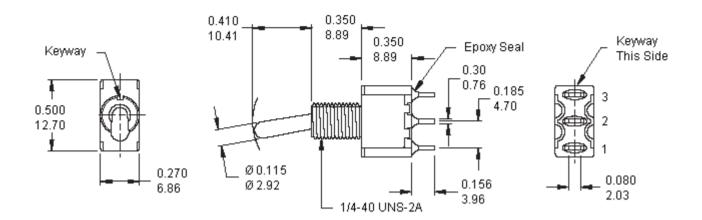
Pole Options SPDT





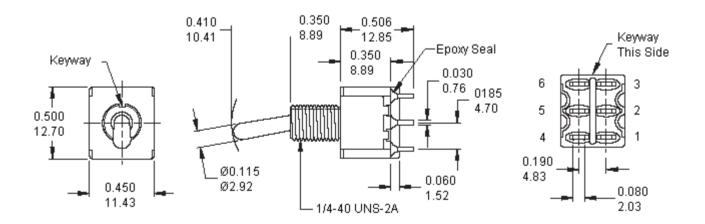
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Pole Options DPDT





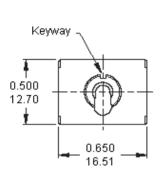
15/05/10 V1.1

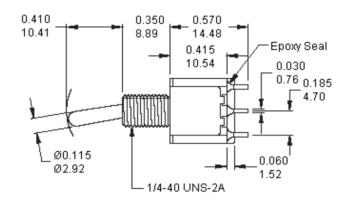
Miniature

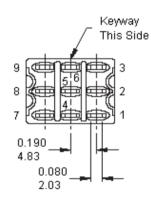


Pole Options 3PDT



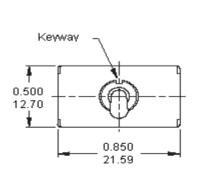


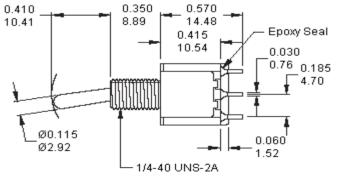




Pole Options 4PDT







Keyway This Side 12 3 3 3 4 5 6 2 2 10 1 1 0 .0.080 4.83 0.080 2.03

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Miniature



Soldering Process:

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

solder.

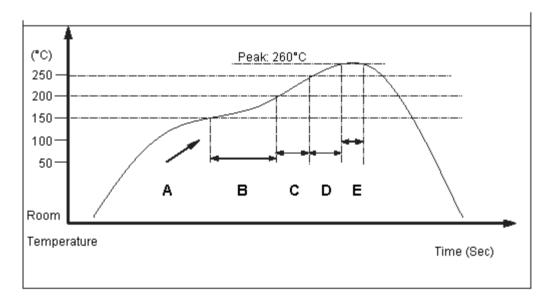
Wave soldering : Recommended soldering temperature : 260 ±5°C.

: Duration of solder immersion : 5 ± 1 seconds. (PCB is 1.6mm in thickness).

Soldering: Vapour Phase

Temperature Profile

Zone	Room Temperature	Time (seconds)
Pre-heat (A)	150°C	Minimum 120 seconds
Soak (B)	180°C to 200°C	Minimum 150 seconds
Peak (C)	200°C to 235°C	Minimum 30 seconds
Peak (D)	235°C to 260°C	Minimum 40 seconds
Peak (E)	260°C	Maximum 10 seconds



Part Number Table

Description	Part Number
Switch, PCB, SPDT, VERT	1MS1T2B4V2RE
Switch, PCB, SPDT, VERT	1MS3T2B4V2RE
Switch, PCB, SPDT, VERT	1MS2T2B4V2RE
Switch, PCB, SPDT, VERT	1MS4T2B4V2RE
Switch, PCB, SPDT, VERT	1MS5T2B4V2RE
Switch, PCB, DPDT, VERT	1MD1T2B4V3RE
Switch, PCB, SPDT, HORIZ	1MS1T2B4M6RE
Switch, PCB, SPDT, HORIZ	1MS3T2B4M6RE

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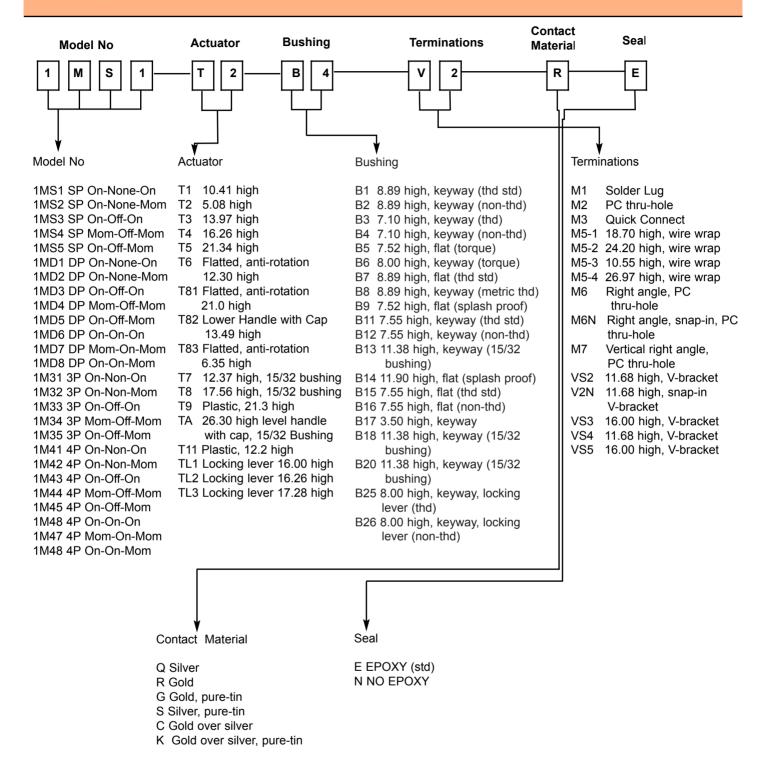
Part Number Table

Description	Part Number
Switch, PCB, SPDT, HORIZ	1MS4T2B4M6RE
Switch, PCB, DPDT, HORIZ	1MD1T2B4M6RE
Switch, PCB, DPDT, HORIZ	1MD3T2B4M6RE
Switch, PCB, SPDT, HORIZ	1MS1T2B4M7RE
Switch, PCB, SPDT, HORIZ	1MS3T2B4M7RE
Switch, PCB, DPDT, HORIZ	1MD1T2B4M7RE
Switch, SPDT	1MS1T1B5M1QE
Switch, SPDT	1MS3T1B5M1QE
Switch, DPDT	1MD1T1B5M1QE
Switch, DPDT	1MD3T1B5M1QE
Switch, SPDT	1MS1T1B1M1QE
Switch, SPDT	1MS1T1B1M1RE
Switch, SPDT	1MS3T1B1M1QE
Switch, SPDT	1MS3T1B1M1RE
Switch, SPDT	1MS4T1B1M1QE
Switch, SPDT	1MS4T1B1M1RE
Switch, SPDT	1MS5T1B1M1QE
Switch, SPDT	1MS5T1B1M1RE
Switch, SPDT	1MS2T1B1M1QE
Switch, SPDT	1MS2T1B1M1RE
Switch, DPDT	1MD1T1B1M1QE
Switch, DPDT	1MD1T1B1M1RE
Switch, DPDT	1MD3T1B1M1QE
Switch, DPDT	1MD3T1B1M1RE
Switch, DPDT	1MD4T1B1M1QE
Switch, DPDT	1MD4T1B1M1RE
Switch, DPDT	1MD5T1B1M1QE
Switch, DPDT	1MD5T1B1M1RE
Switch, 3PDT	1M31T1B1M1QE
Switch, 4PDT	1M41T1B1M1QE
Switch, SPDT	1MS1T6B11M1QE
Switch, SPDT	1MS3T6B11M1QE
Switch, SPDT	1MS4T6B11M1QE
Switch, SPDT	1MS5T6B11M1QE
Switch, SPDT	1MS2T6B11M1QE
Switch, DPDT	1MD1T6B11M1QE
Switch, DPDT	1MD3T6B11M1QE
Switch, 3PDT	1M31T6B11M1QE
Switch, 4PDT	1M41T6B11M1QE



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