

SPECIFICATIONS

CONTACT RATING: Dependent upon contact material .

MECHANICAL LIFE: 30,000 make-and-break cycles.

CONTACT RESISTANCE: 20mΩ max. initial @ 2-4VDC

100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000MΩ min.

DIELECTRIC STRENGTH: 1,000 V RMS@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE - Diallyl phthalate (DAP)(UL94V-0).

ACTUATOR - Nylon,black std.

BUSHING - Brass,nickel plated.

HOUSING - Stainless Steel.

SWITCH SUPPORT - Brass,tin plated.

TERMINAL/CONTACT - Silver or gold. (See Page 73)

HOW TO ORDER

MODEL NO.	ACTUATOR	ACTUATOR COLOR See below	CAP MARKING	TERMINATIONS	CONTACT MATERIAL	SEAL	ROHS SOLDERING																
MODEL NO. 4MS1 SP On-None-On 4MS2 SP On-None-Mom. 4MS3 SP On- Off -On 4MS4 SP Mom.-Off-Mom. 4MS5 SP On- Off -Mom. 4MS6 SP Off-None-On 4MD1 DP On-None-On 4MD2 DP On-None-Mom. 4MD3 DP On- Off -On 4MD6 DP On- On -On	ACTUATOR R1 (STD) Rocker, 7.62 wide , 14.73 length R2 (STD) Rocker, 5.84 wide , 14.73 length R3 5.84 wide , 10.23 length	ACTUATOR COLOR See below	CAP MARKING <table border="1"> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>5</td><td></td></tr> <tr><td>6</td><td></td></tr> <tr><td>7</td><td></td></tr> <tr><td>8</td><td></td></tr> <tr><td>9</td><td></td></tr> <tr><td>F</td><td></td></tr> </table>	1		2		5		6		7		8		9		F		TERMINATIONS M1 Solder Lug M2 PC thru-hole M5 Wire wrap M6 Right angle, PC thru-hole M6N Right angle, snap-in, PC thru-hole M7 Vertical right angle, PC thru-hole M7N Vertical right angle, snap-in, PC thru-hole VS2 8.94 high, V-bracket V2N 8.94 high, snap-in V-bracket VS3 8.94 high, V-bracket V3N 8.94 high, snap-in V-bracket	CONTACT MATERIAL Q Silver R Gold G Gold,tin-lead S Silver,tin-lead C Gold over silver K Gold over silver,tin-lead	SEAL E EPOXY (std) N NO EPOXY	ROHS SOLDERING M1 Solder Lug M2 PC thru-hole M5 Wire wrap M6 Right angle, PC thru-hole M6N Right angle, snap-in, PC thru-hole M7 Vertical right angle, PC thru-hole M7N Vertical right angle, snap-in, PC thru-hole VS2 8.94 high, V-bracket V2N 8.94 high, snap-in V-bracket VS3 8.94 high, V-bracket V3N 8.94 high, snap-in V-bracket
1																							
2																							
5																							
6																							
7																							
8																							
9																							
F																							

ITEM NO	COLOR
1	White
2	Black (Std)
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray

SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
								
SP	Q2411	4MS1	ON	NONE	ON	2-3 	N/A	2-1 
	Q2412	4MS2	ON	NONE	MOM		OPEN	
	Q2413	4MS3	ON	OFF	ON			
	Q2414	4MS4	MOM	OFF	MOM			
	Q2415	4MS5	ON	OFF	MOM			
	Q2416	4MS6	OFF	NONE	ON	OPEN	N/A	3-1
DP	Q2421	4MD1	ON	NONE	ON	2-3,5-6 	N/A	2-1,5-4 
	Q2422	4MD2	ON	NONE	MOM		OPEN	
	Q2423	4MD3	ON	OFF	ON			
		Q2426	4MD6	ON	ON	ON	2-3,5-6	2-3,5-4

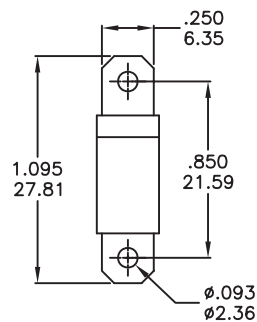
MOM=MOMENTARY

▲ Please check the availability in advance before order

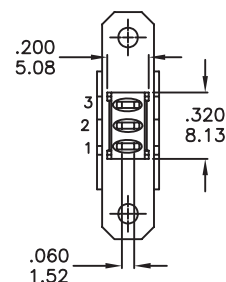
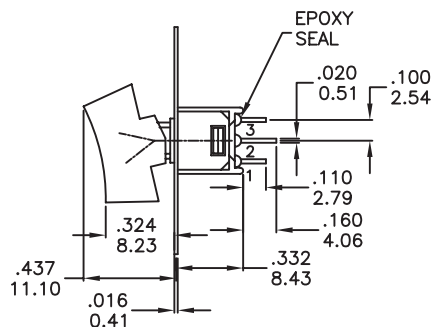
POLE OPTIONS



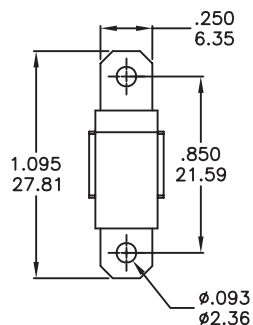
SPDT



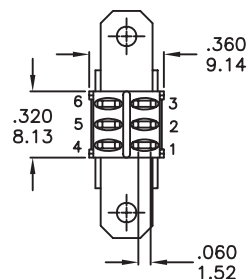
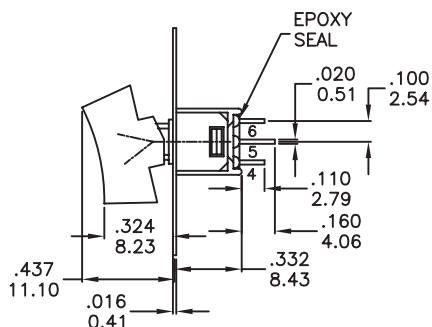
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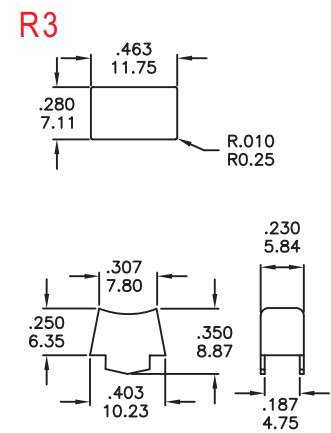
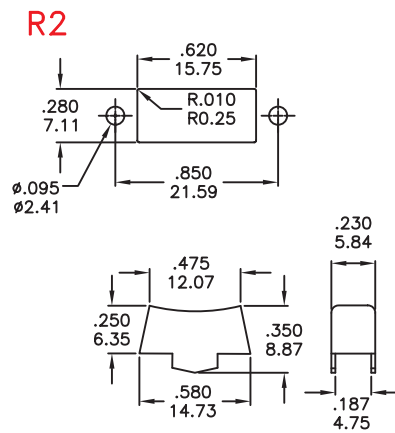
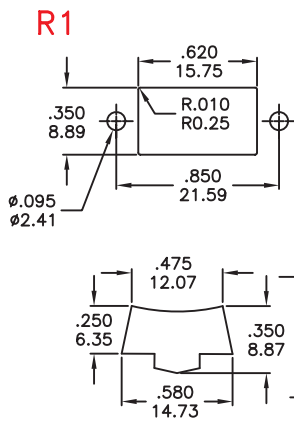
DPDT



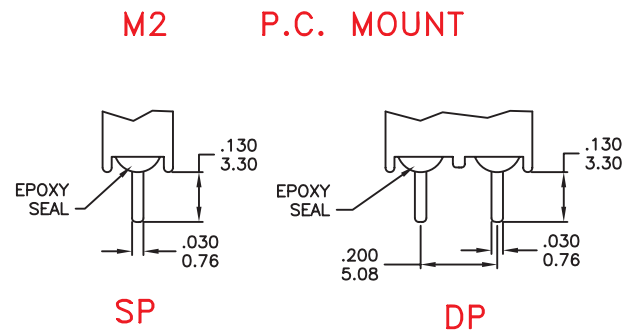
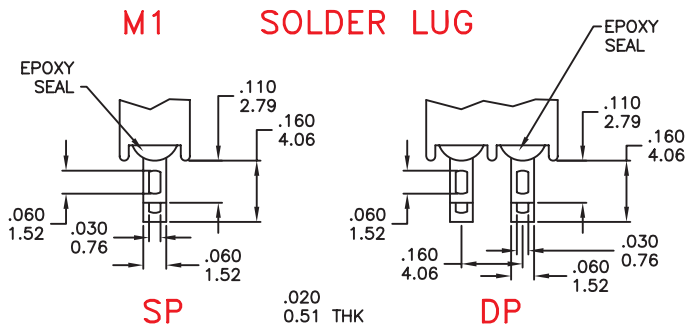
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ACTUATOR OPTIONS-PANLE MOUNT

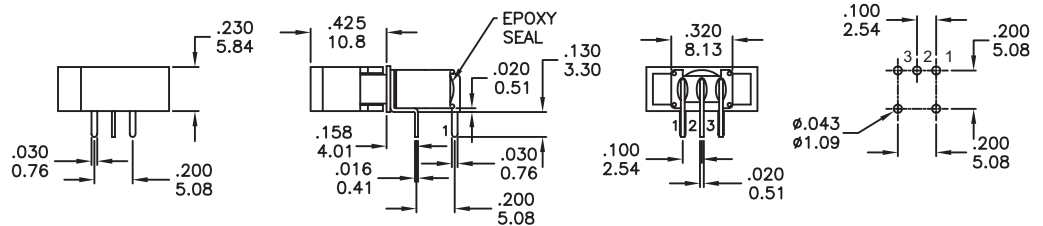


TERMINATION OPTIONS



M6

P.C. MOUNTING

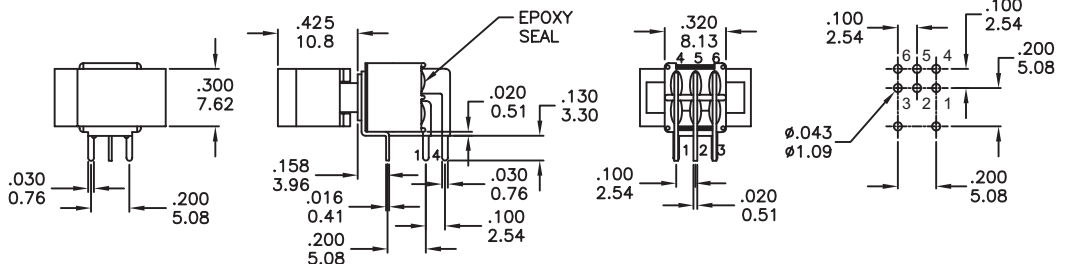


SPDT

Part No. Shown : 4MS1R22M6QE

M6

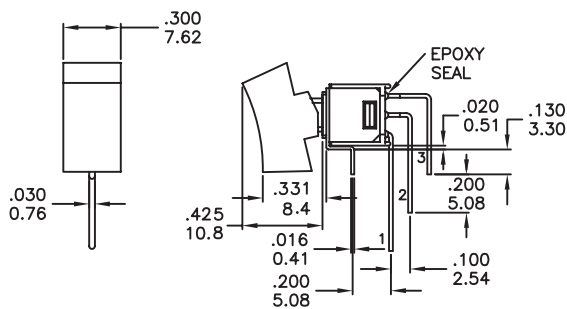
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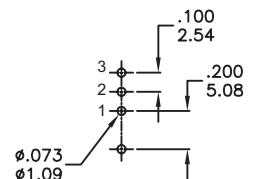
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M7



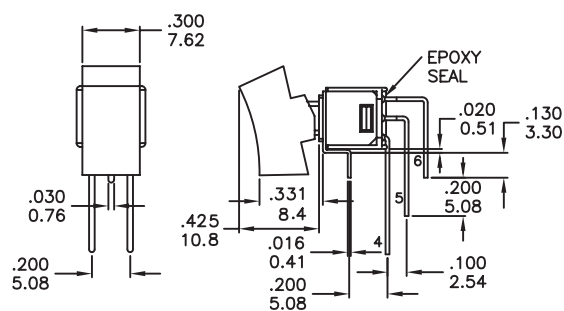
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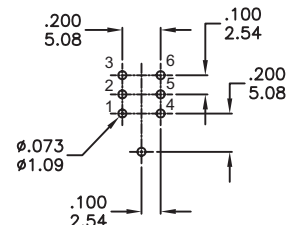
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M7



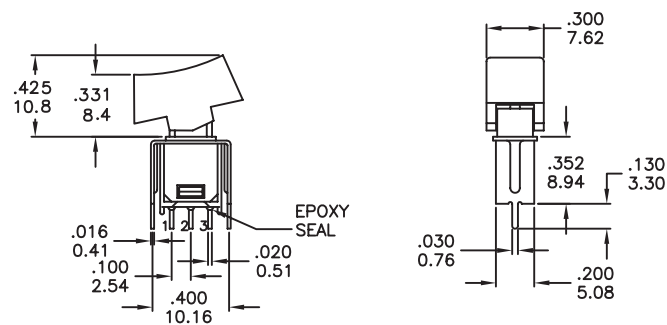
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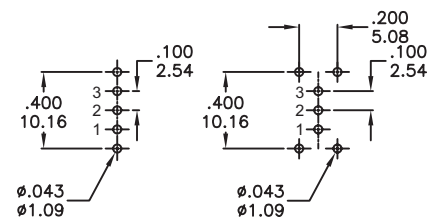
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VS2 - VS3



P.C. MOUNTING



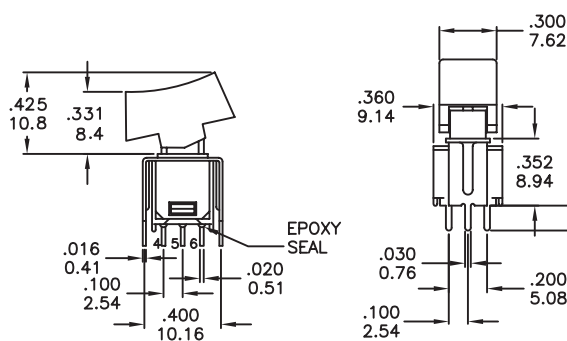
VS2

VS3

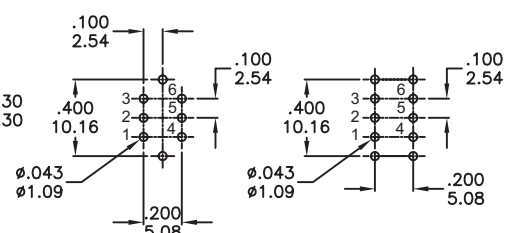
SPDT

Part No. Shown : 4MS1R12VS2QE

VS2 - VS3



P.C. MOUNTING



VS2

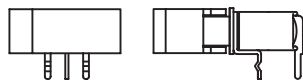
VS3

DPDT

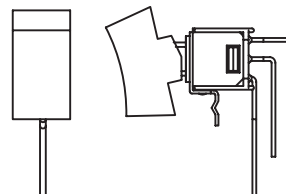
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SNAP-IN TERMINATION OPTIONS

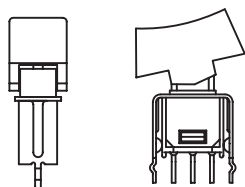
M6N



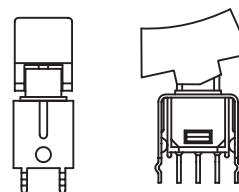
M7N



V2N



V3N



CONTACT MATERIAL OPTIONS

	CONTACT MATERIAL	TERMINATION RATING	RATINGS
Q	Silver	Q = Silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
S		S = Silver,pure - tin	
C	Gold over Silver	C = Gold over silver	
K		K = Gold over silver,pure - tin	
R	Gold	R = Gold	0.4 Volt-Amps(VA)max. @ 20V max. (AC or DC)
G		G = Gold,pure - tin	