

# **1M-Series Miniature Rocker & Paddle Switches**



**1M1-Series** Miniature Rocker & Paddle Switch

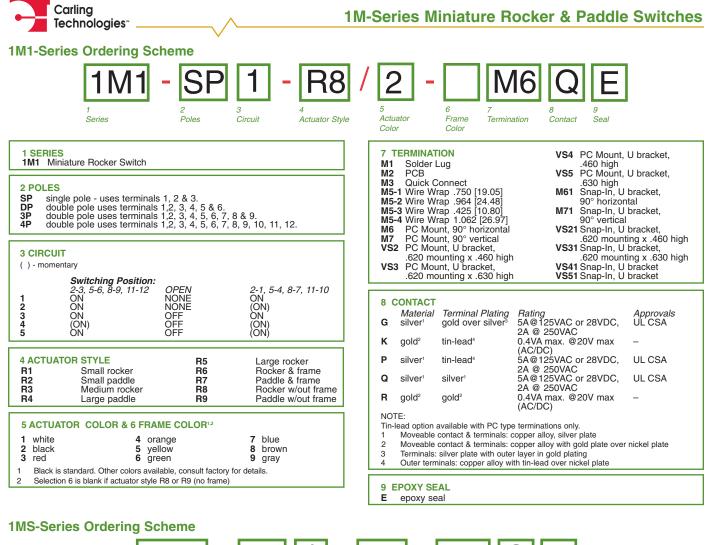
## **Specifications**

	<i>1M1-Series:</i> 50,000 make & break cycles @ full load <i>1MS-Series:</i> 30,000 make & break cycles @ full load
Contact Resistance	$10 \text{ m}\Omega \text{ max. initial } @ 2-4 \text{ VDC}$ 100mA for both silver & gold plated contacts.
Insulation Resistance	
	1500 Volts RMS @ sea level
Index of Protection	
	MIL-STD-202, Method 210
Materials	20
	1M1-Series: Dially phthalate (DAP)
	(UL 94V-0)
	1MS-Series: Glass filled nylon 6/6,
	flame retardant, heat stabilized (UL 94V-0)
Rocker/Paddle	. 1M1-Series: Nylon (UL 94V-0)
	<i>1MS-Series:</i> Nylon, black standard, internal o-ring sealed
	1M1-Series: Brass, nickel plated 1MS-Series: Glass filled nylon 6/6,
	flame retardant, heat stabilized (UL 94V-0)
Housing	.1M1-Series: Stainless Steel
	1MS-Series: Spring Steel
Actuator Pivot & Mounting	
	.1M1-Series: Stainless Steel
	1MS-Series: Nylon (UL 94V-0)
Actuator Pivot Retainer Switch Support	
	сролу



# 1MS-Series

*Sealed* Miniature Rocker & Paddle Switch



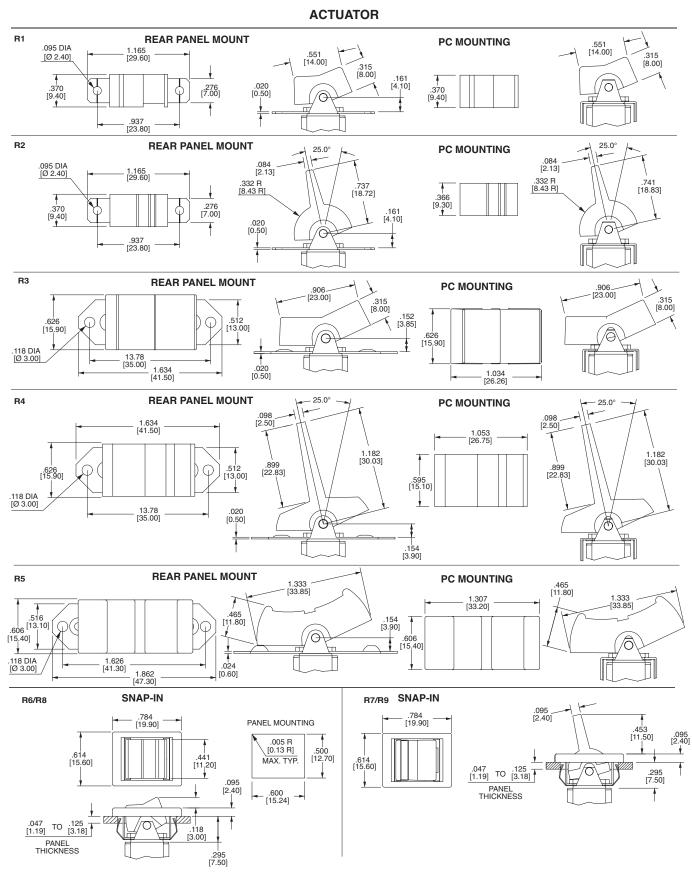


1 SERIES 1MS Sealed Miniature Rocker Switch						
2 POLES SP single pole - uses terminals 1, 2 & 3. DP double pole uses terminals 1,2, 3, 4, 5 & 6. 3P double pole uses terminals 1,2, 3, 4, 5, 6, 7, 8 & 9.						
3 CIRCUIT () - momentary Switc 2-3, 5 1 ON 2 ON 3 ON 4 (ON) 5 ON	NC NC	F	2-1, 5-4, 8-7 ON ON ON (ON) (ON)			
4 ACTUATOR ST R1 Sm R2 Sm R3 Me		R5 R6 R7 R8 R9	Large rocker Rocker & frame Paddle & frame Rocker w/out frame Paddle w/out frame			

5 TERMINATION M1 Solder Lug M2 PCB M3 Quick Connect M5-1 Wire Wrap .750 [19.05] M5-2 Wire Wrap .964 [24.48] M5-3 Wire Wrap .425 [10.80] M5-4 Wire Wrap .1.062 [26.97] M6 PC Mount, 90° horizontal M7 PC Mount, 90° horizontal VS2 PC Mount, U bracket, .620 mounting x .460 high			.620 mount VS4 PC Mount, .460 high VS5 PC Mount, .630 high VS21 Snap-In, U .620 mount VS31 Snap-In, U .620 mount VS31 Snap-In, U	VS5 PC Mount, U bracket,			
6	CONTACT						
G		Terminal Plating gold over silver <sup>3</sup>		Approvals UL CUL			
к	gold <sup>2</sup>	tin-lead <sup>4</sup>	0.4VA max. @20V max (AC/DC)	-			
Р	silver	tin-lead <sup>4</sup>	5A@125VAC or 28VDC, 2A @ 250VAC	UL CUL			
R	gold <sup>2</sup>	gold <sup>2</sup>	0.4VA max. @20V max (AC/DC)	-			
	NOTE:   Tin-lead option available with PC type terminations only.   1 Moveable contact & terminals: copper alloy, silver plate   2 Moveable contact & terminals: copper alloy with gold plate over nickel plate   3 Terminals: silver plate with outer layer in gold plating						
7   E	7 EPOXY SEAL E epoxy seal						



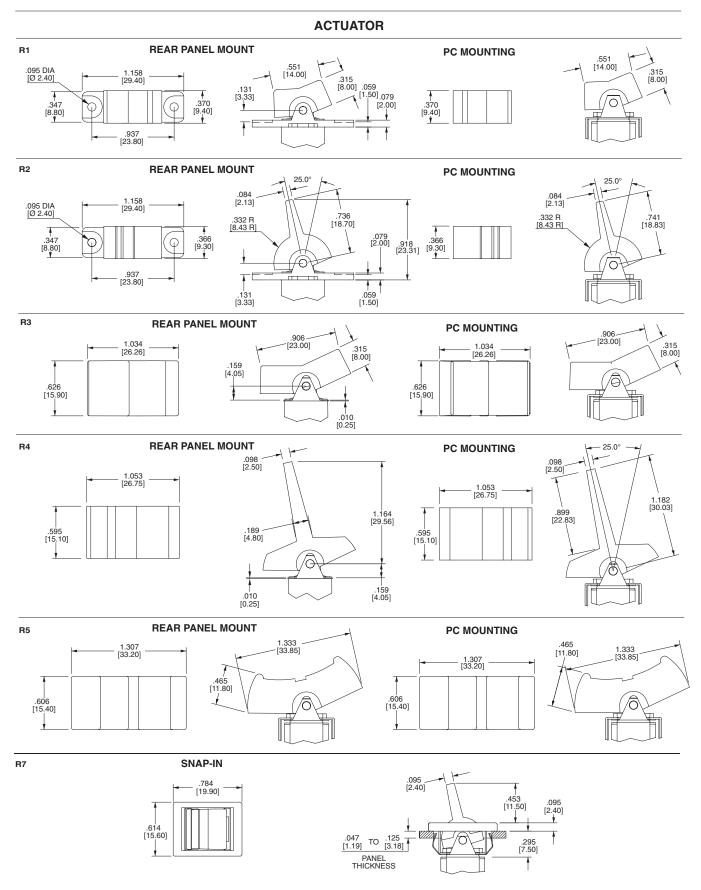
#### 1M1-Series Dimensional Specifications: in.[mm]



R8 and R9 are without frame. Actuators are as shown.



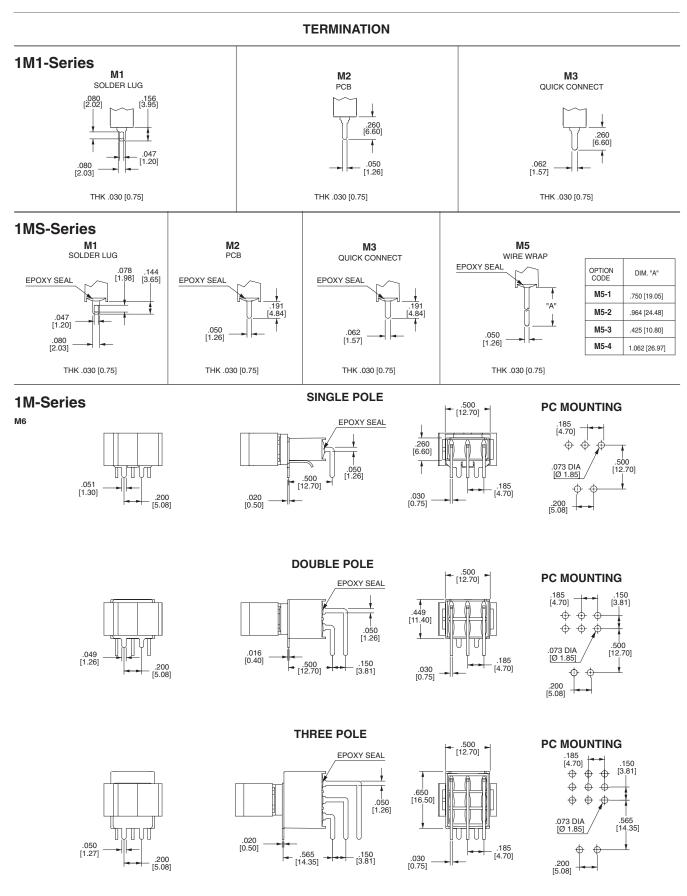
## 1MS-Series Dimensional Specifications: in.[mm]



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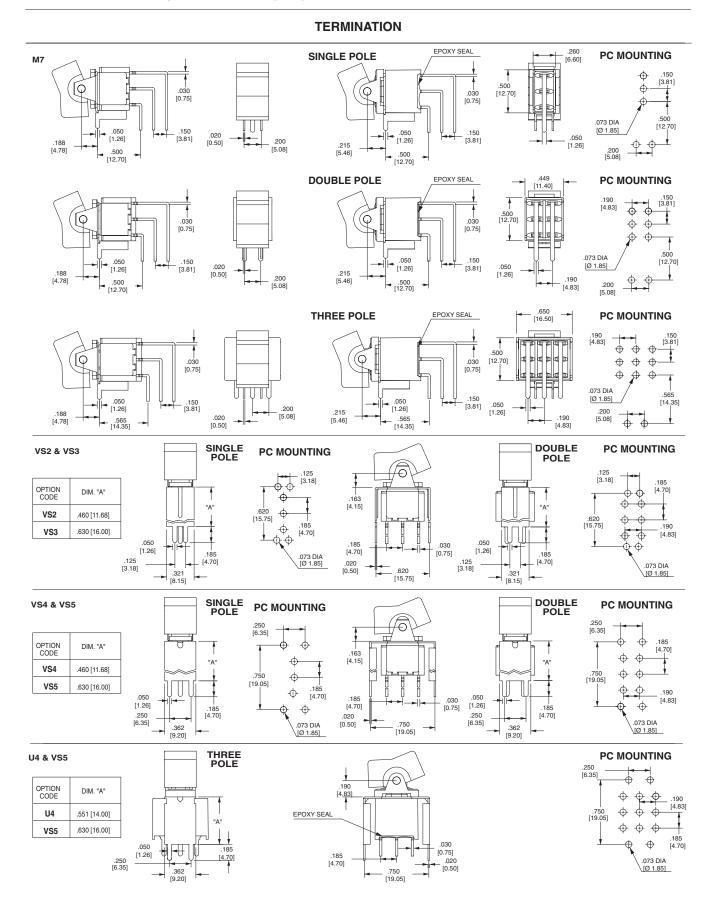
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