

1M-Series Miniature Rocker & Paddle Switches



1M1-Series Miniature Rocker & Paddle Switch

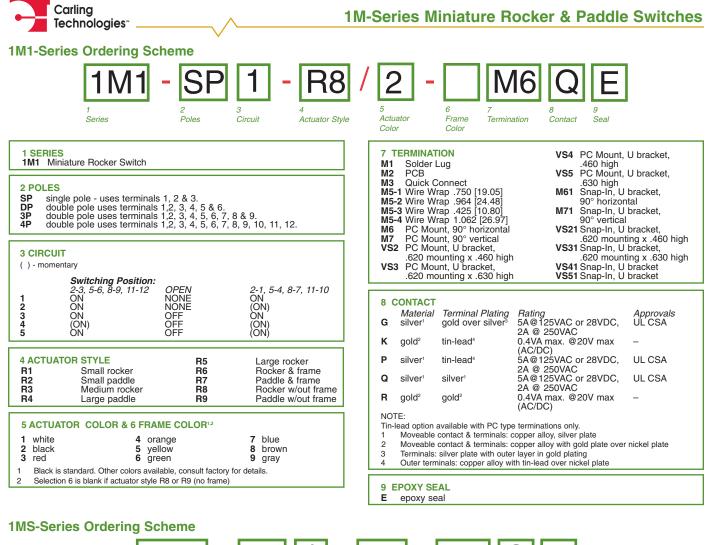
Specifications

| | <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



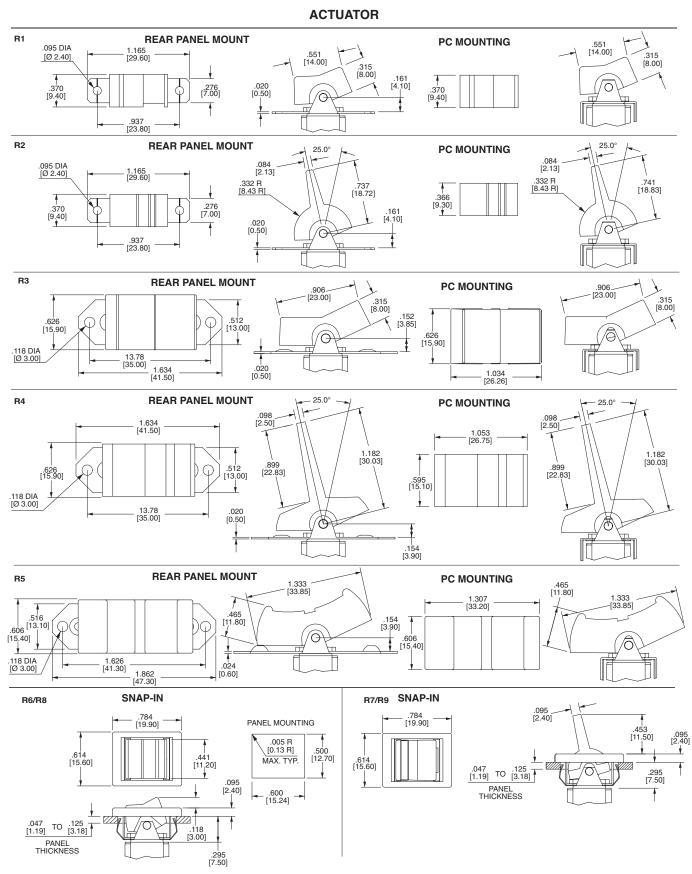


| 1 SERIES 1MS Sealed Miniature Rocker Switch | | | | | | |
|---|-------|----------------------------|--|--|--|--|
| 2 POLES SP single pole - uses terminals 1, 2 & 3. DP double pole uses terminals 1,2, 3, 4, 5 & 6. 3P double pole uses terminals 1,2, 3, 4, 5, 6, 7, 8 & 9. | | | | | | |
| 3 CIRCUIT () - 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 ³ | | Approvals UL CUL | | | |
| к | gold ² | tin-lead ⁴ | 0.4VA max. @20V max (AC/DC) | - | | | |
| Р | silver | tin-lead ⁴ | 5A@125VAC or 28VDC, 2A @ 250VAC | UL CUL | | | |
| R | gold ² | gold ² | 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 | | | | | | |



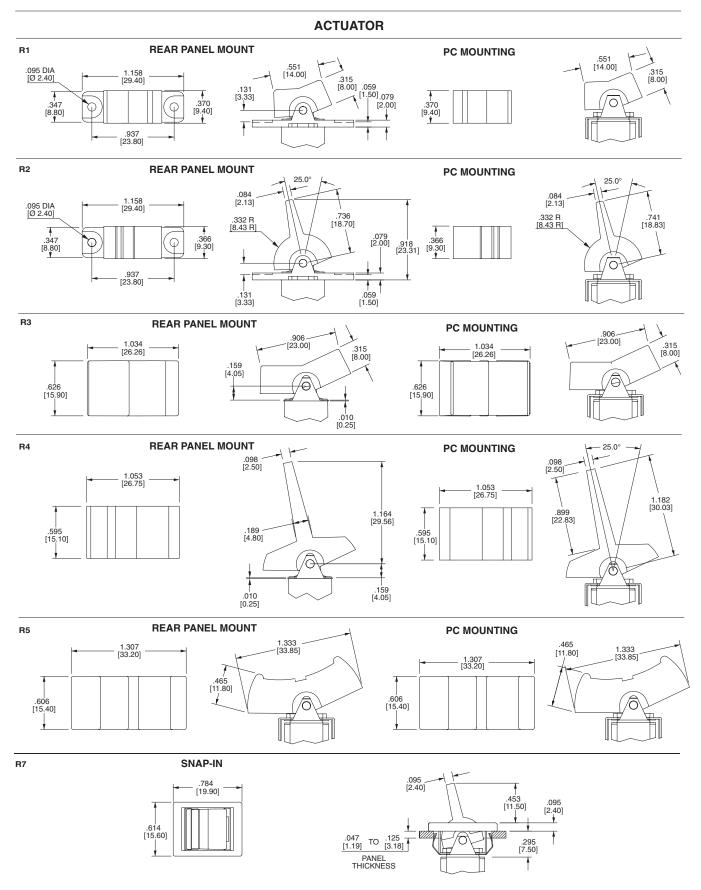
1M1-Series Dimensional Specifications: in.[mm]



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



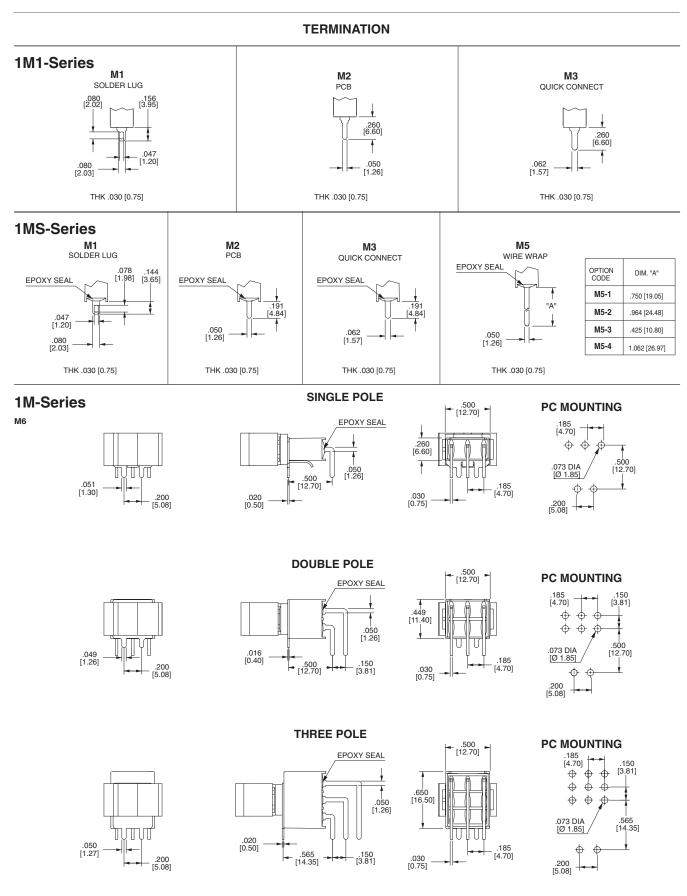
1MS-Series Dimensional Specifications: in.[mm]



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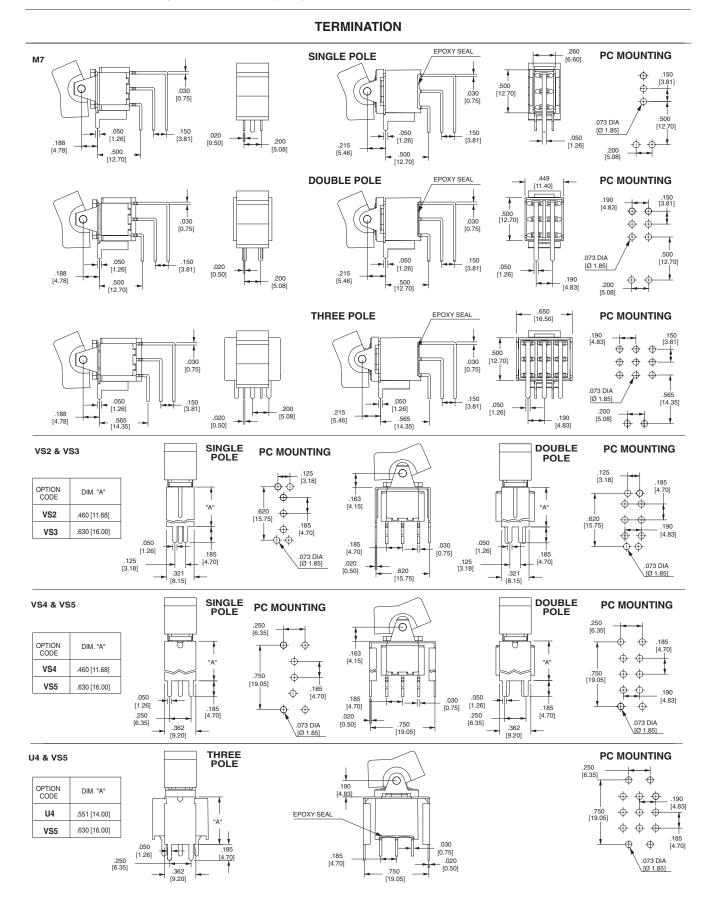
1M-Series Dimensional Specifications: in.[mm]



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1M-Series Dimensional Specifications: in.[mm]



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