

➔ **Product Type**
PC Mount Miniature & Sub-Miniature Slide Switches

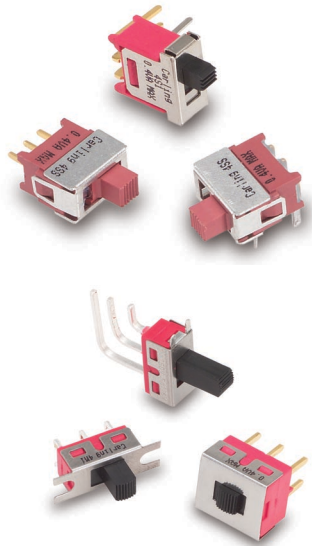
➔ **Product Series**
4S & 4M-Series

The 4S and 4M family of sub-miniature & miniature slide switches are composed of three switch series:

- 4S1-Series sub-miniature slide switch
- 4SS-Series sealed sub-miniature slide switch
- 4M1-Series miniature slide switch

These series of PC mount sub-miniature slide switches offer a variety of ratings, circuits, contact materials, and terminal platings. All series within the 4S and 4M family of switches are able to withstand temperatures from -30°C to +85°C, and all offer PC mounting.

Certifications	4S1-Series & 4SS: No agency listings 4M1-Series: UL, CSA
Number of Poles	4S1-Series & 4SS-Series: 1 pole 4M1-Series: 1-2 pole
Ratings	3A @ 125VAC or 28VDC 1.5A @ 250VAC 5A @ 125VAC or 28VDC 2A @ 250VAC
Dielectric Strength	0.4VA max @ 20V max (AC/DC)
Insulation Resistance	1500 Volts RMS @ sea level
Actuator Style	1000 megohms (minimum)
Case Material	Slide
Slide Material	Dially phthalate (DAP) (UL 94V-0)
Housing Material	Nylon
Switch Support	Stainless Steel
Terminal Options	Brass, tin plated Solder Lug PCB PC Mount Quick Connect Wire Wrap
Mounting Hole Dimensions	See PDF elibrary file above for dimensions



4S1 & 4SS-Series
Sub-Miniature &
Sealed Sub-Miniature
Slide Switches

4M1-Series
Miniature Slide Switch

Specifications

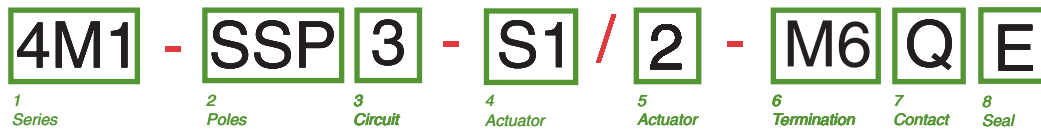
Contact Rating refer to ordering scheme
 Electrical Life 30,000 make & break cycles at full load
 Contact Resistance. 10 mΩ max. initial @ 2-4 VDC
 100mA for both silver & gold plated contacts.
 Insulation Resistance 1000 MΩ min.
 Dielectric Strength 1500 Volts RMS @ sea level
 Operating Temperature . . . -30°C to +85°C
 Solder Heat Resistance. . . MIL-STD-202, Method 210
 Actuator Travel25°

Materials

Case Diallyl phthalate (DAP) (UL 94V-0)
 Slide Handle. Nylon
 Housing. Stainless Steel
 Terminal Seal Epoxy

4S & 4M-Series Sub-Miniature & Miniature Slide Switches

4M1-Series Ordering Scheme

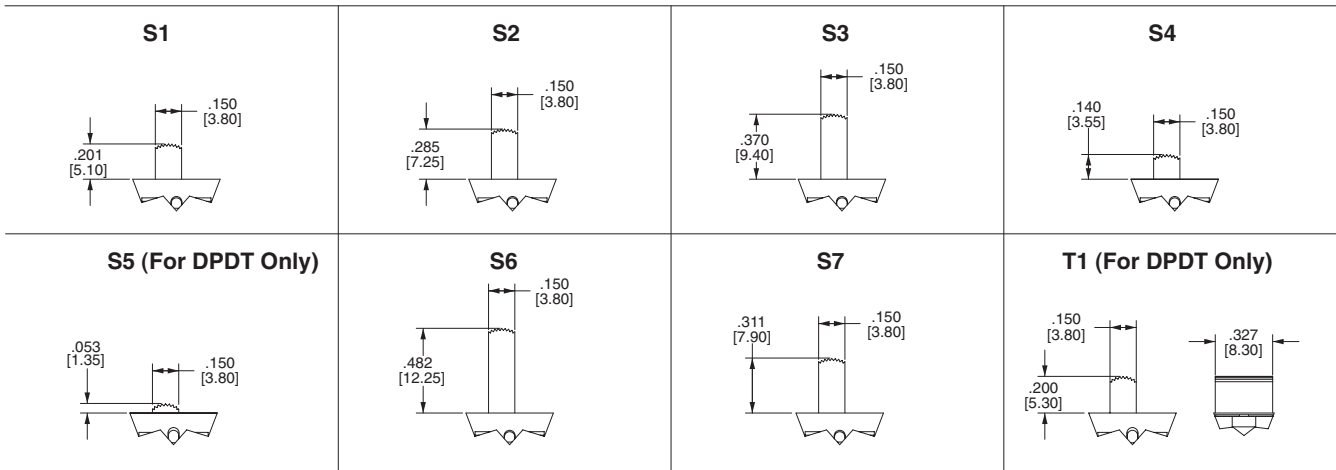


1 SERIES	
4M1 Miniature Slide Switch	
2 POLES	
SSP single pole	SDP double pole
3 CIRCUIT Switching Position	
1	2-1, 5-4 ON OPEN ON NONE ON OFF 2-3, 5-6 ON ON
4 ACTUATOR	
S1	.201 [5.10] high
S2	.285 [7.25] high
S3	.370 [9.40] high
S4	.140 [3.55] high
S5	.053 [1.35] high (for DPDT only)
S6	.482 [12.25] high
S7	.311 [7.90] high
T1	.201 [5.10] high (for DPDT only)
5 ACTUATOR COLOR¹	
1 white	3 red
2 black	4 orange
5 yellow	6 green
7 blue	8 brown
9 gray	
1 White, black & red are standard. Other colors available for quantities of 5K or more.	

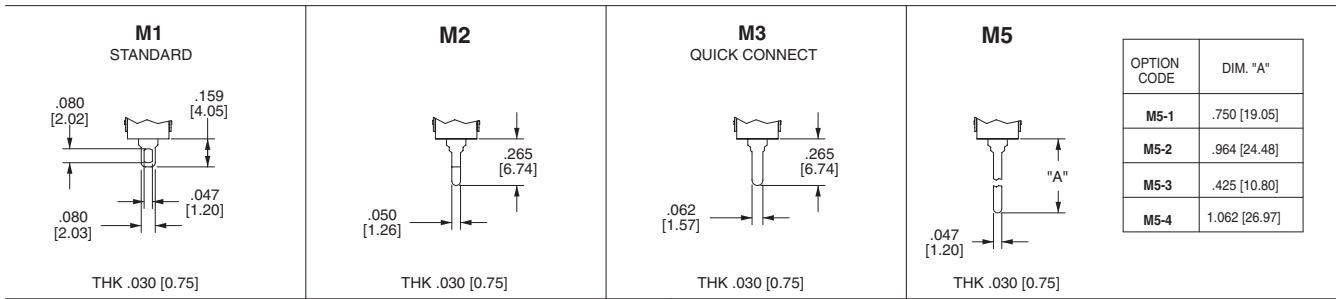
6 TERMINATION		M5-3 Wire Wrap [10.80]
M1 Solder Lug		M5-4 Wire Wrap [26.97]
M2 PCB		M6 PC Mount, 90° horizontal
M3 Quick Connect		M7 PC Mount, 90° vertical
M5-1 Wire Wrap .750 [19.05]		VS2 PC Mount, U bracket, .620 mounting x .460 high
M5-2 Wire Wrap [24.48]		
7 CONTACT		
G	Material: silver ¹ Terminal Plating: gold over silver ² Rating: 5A @ 125VAC or 28VDC; 2A @ 250VAC	Approvals: UL, CSA
K	Material: gold ² Terminal Plating: tin-lead ⁴ Rating: 0.4VA max. @20V max (AC/DC)	UL, CSA
P	Material: silver ¹ Terminal Plating: tin-lead ⁴ Rating: 5A @ 125VAC or 28VDC; 2A @ 250VAC	UL, CSA
Q	Material: silver ¹ Terminal Plating: silver ¹ Rating: 5A @ 125VAC or 28VDC; 2A @ 250VAC	UL, CSA
R	Material: gold ² Terminal Plating: gold ² Rating: 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		
4 Outer terminals: copper alloy with tin-lead over nickel plate		
8 EPOXY SEAL		E epoxy seal

4M1-Series Dimensional Specifications: in. [mm]

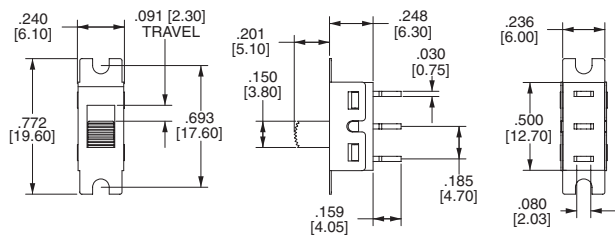
ACTUATOR



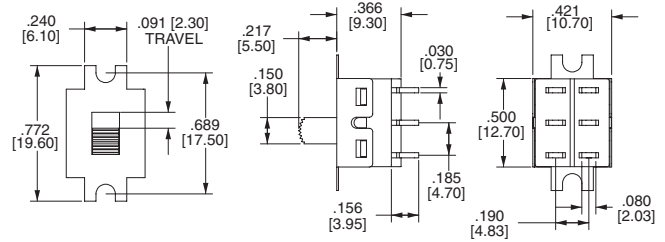
TERMINATION



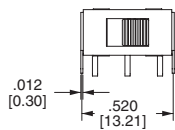
SINGLE POLE



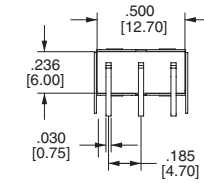
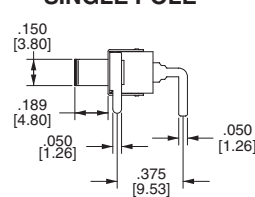
DOUBLE POLE



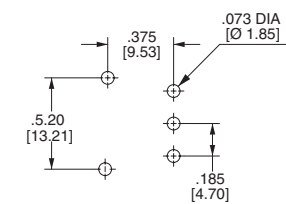
M6



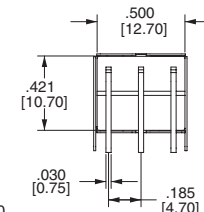
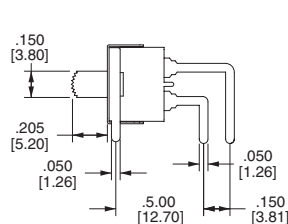
SINGLE POLE



PC MOUNTING



DOUBLE POLE



PC MOUNTING

