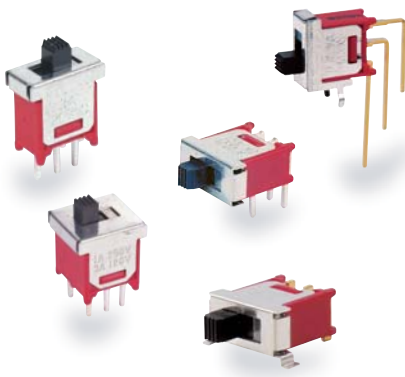


# 5F Series

Sub-Miniature Slide Switches



## SPECIFICATIONS

**CONTACT RATING:** Dependent upon contact material

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

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

100mA for both silver and gold plated contacts.

**INSULATION RESISTANCE:** 1,000 MΩ min.

**DIELECTRIC STRENGTH:** 1,000 Vrms min. @ sea level.

**OPERATING TEMPERATURE:** -30°C to 85°C.

## MATERIALS

**CASE:** Diallyl phthalate (DAP) (UL94v-0).

**HOUSING:** Brass, tin plated.

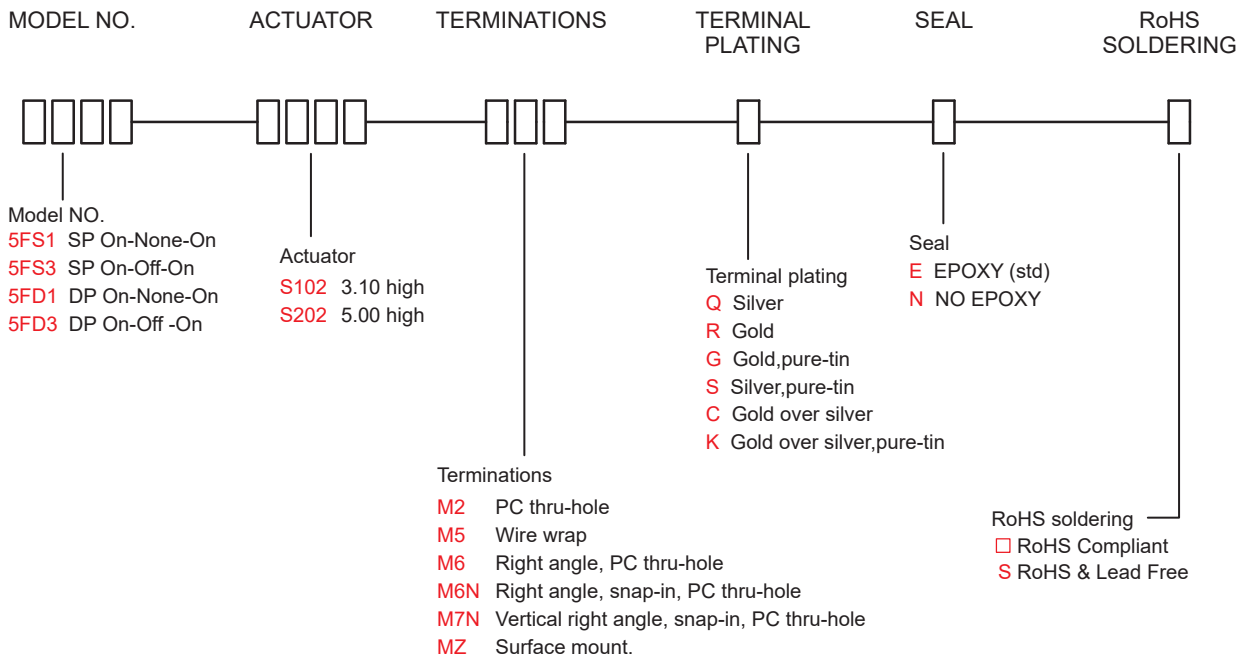
**ACTUATOR:** Nylon, black std.

**CONTACT:** Brass, with silver or gold plated.

**TERMINALS:** Copper alloy, with silver and gold plated.



## HOW TO ORDER

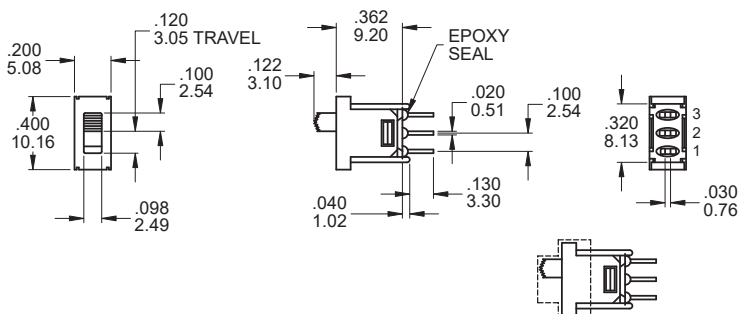


## SWITCH FUNCTION

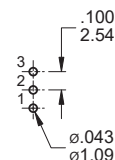
NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	Q2511	5FS1	ON	NONE	ON	2-1	N/A	2-3
	Q2513	5FS3	ON	OFF	ON	2 (COMM) 1 • 3	OPEN	2 (COMM) 1 • 3
DP	Q2521	5FD1	ON	NONE	ON	2-1,5-4	N/A	2-3,5-6
	Q2523	5FD3	ON	OFF	ON	2 (COMM) 1 • 3    5 • 6 4	OPEN	2 (COMM) 1 • 3    5 • 6 4

MOM=MOMENTARY

## POLE OPTIONS



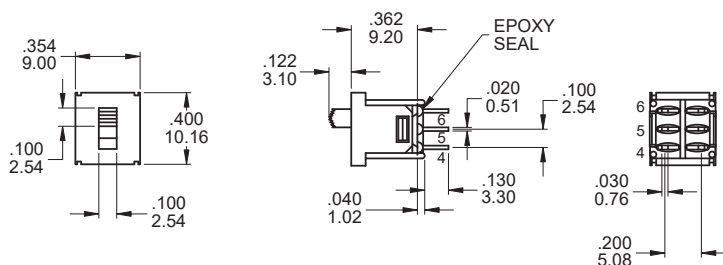
P.C. MOUNTING



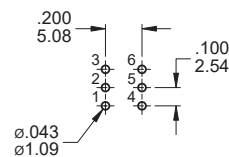
SPDT

Part No. Shown : 5FS1S102M2QE

Waterproof transparent cover



P.C. MOUNTING

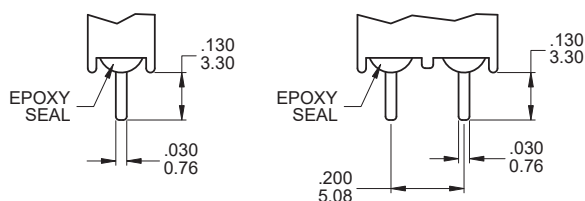


DPDT

Part No. Shown : 5FD1S102M2QE

## TERMINATION OPTIONS

M2 PC Thru-hole



SP

DP

## OTHER TERMINATION OPTIONS

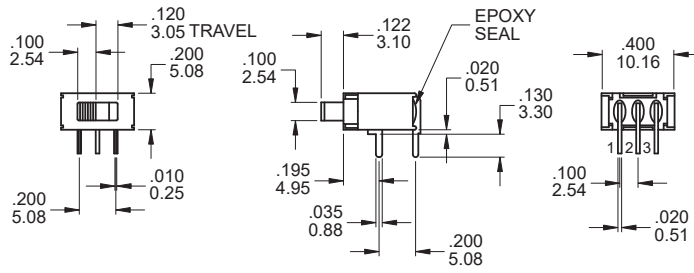
M6 Right angle P.C. Mount

M6N Snap-in, Right angle P.C. Mount

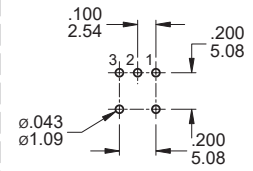
# 5F Series

Sub-Miniature Slide Switches

## M6



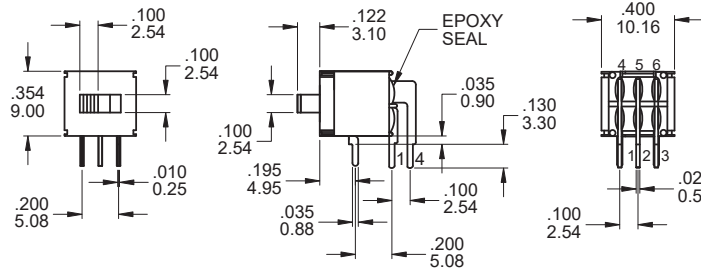
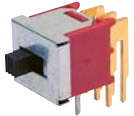
### P.C. MOUNTING



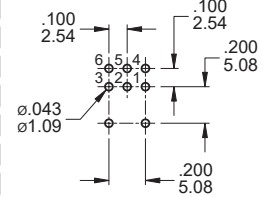
## SPDT

Part No. Shown : 5FS1S102M6QE

## M6



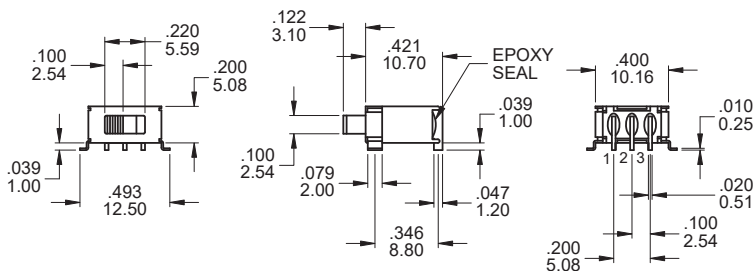
### P.C. MOUNTING



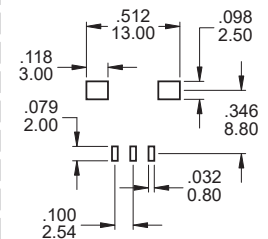
## DPDT

Part No. Shown : 5FD1S102M6RE

## MZ



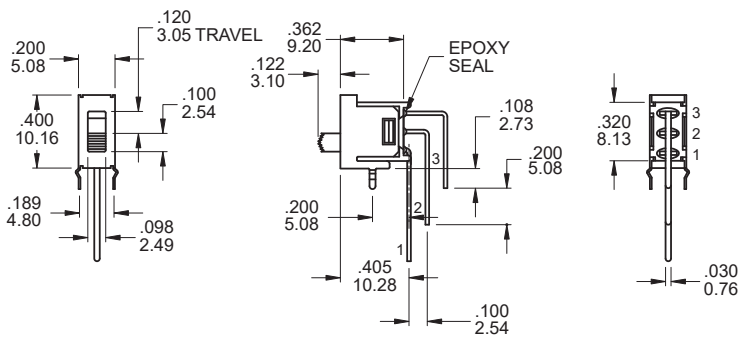
### P.C. MOUNTING



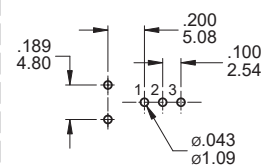
## SPDT

Part No. Shown : 5FS1S102MZRE

## M7N (SP only)



### P.C. MOUNTING

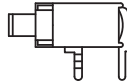


## SPDT

Part No. Shown : 5FS1S102M7NRE

**SNAP-IN TERMINATION OPTIONS**

M6N



**CONTACT MATERIAL OPTIONS**

	CONTACT PLATING	TERMINAL PLATING	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	

**SOLDERING PROCESSES**

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: Max 5 sec. (PCB is 1.6mm in thickness)