

# 5F SERIES

SUB-MINIATURE SLIDE SWITCH



## 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.

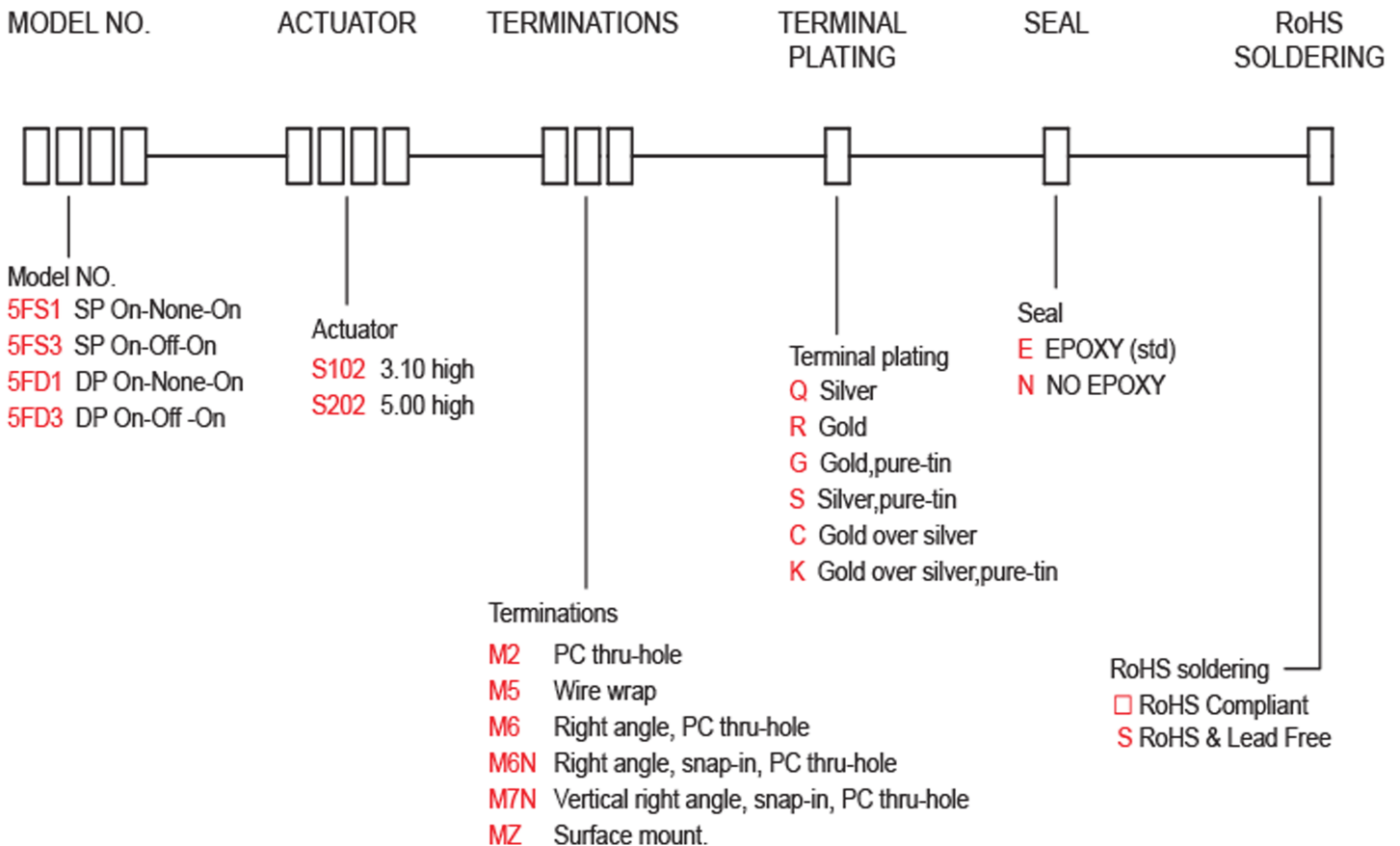
**ACTUATOR:** Nylon,black std.

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

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



## HOW TO ORDER



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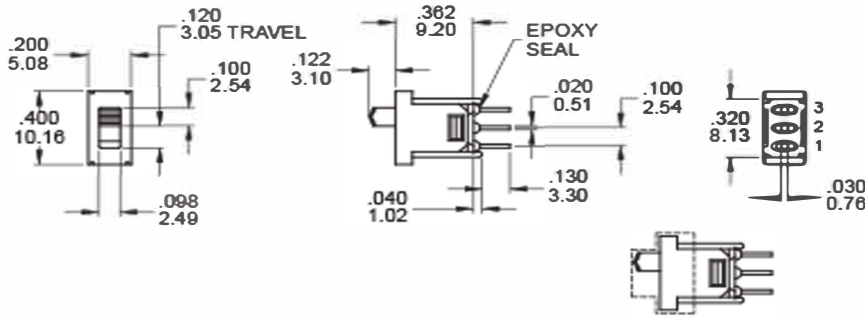


## SWITCH FUNCTION

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	1-2 (COMM) 1-3	OPEN	1-2 (COMM) 1-3
DP	Q2521	5FD1	ON	NONE	ON	2-1,5-4	N/A	2-3,5-6
	Q2523	5FD3	ON	OFF	ON	1-2 (COMM) 1-3      4-5 4-6	OPEN	1-2 (COMM) 1-3      4-5 4-6

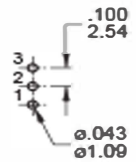
MOM=MOMENTARY

## POLE OPTIONS



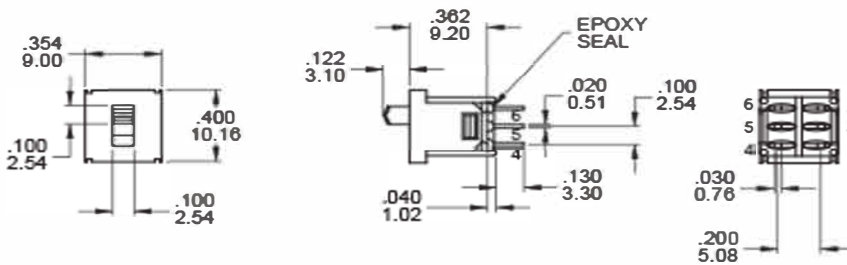
Waterproof transparent cover

P.C. MOUNTING

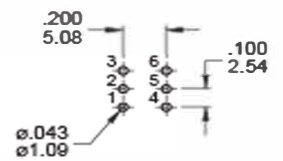


SPDT

Part No. Shown : 5FS1S102M2QE



P.C. MOUNTING

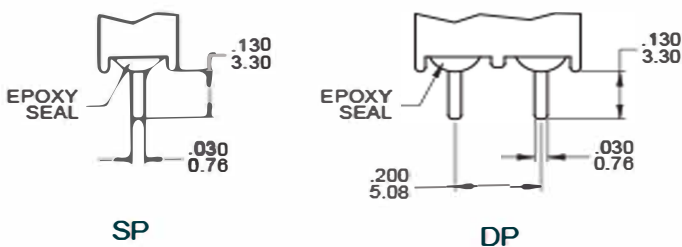


DPDT

Part No. Shown : 5FD1S102M2QE

## TERMINATION OPTIONS

M2 PC Thru-hole



## OTHER TERMINATION OPTIONS

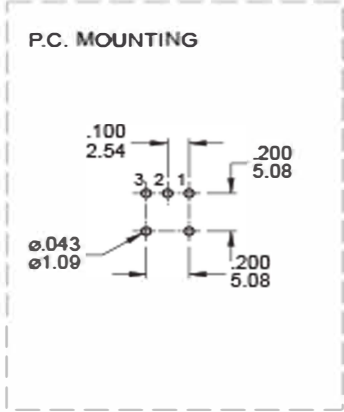
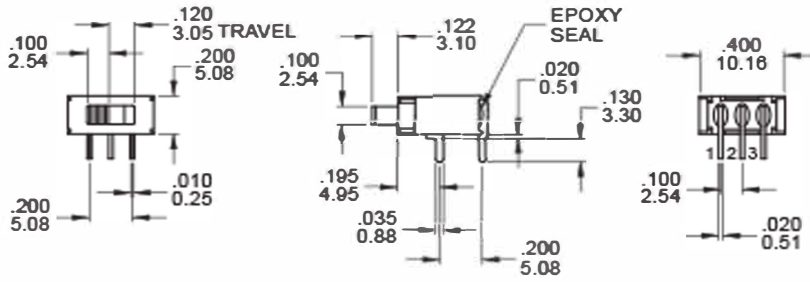
- M6 Right angle P.C. Mount
- M6N Snap-in, Right angle P.C. Mount

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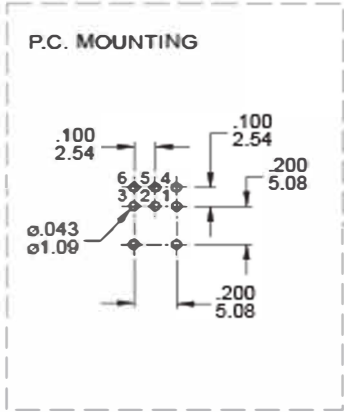
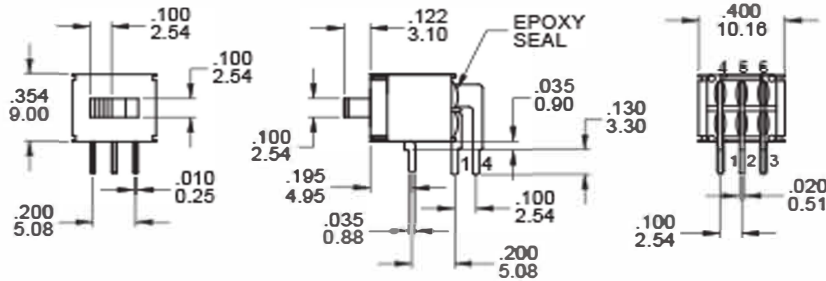
M6



SPDT

Part No. Shown : 5FS1S102M6QE

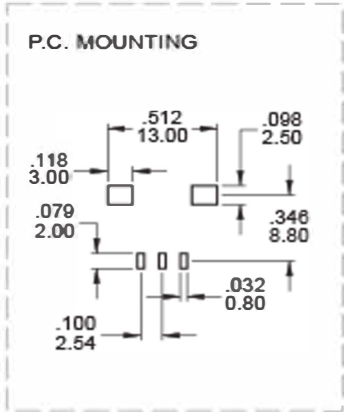
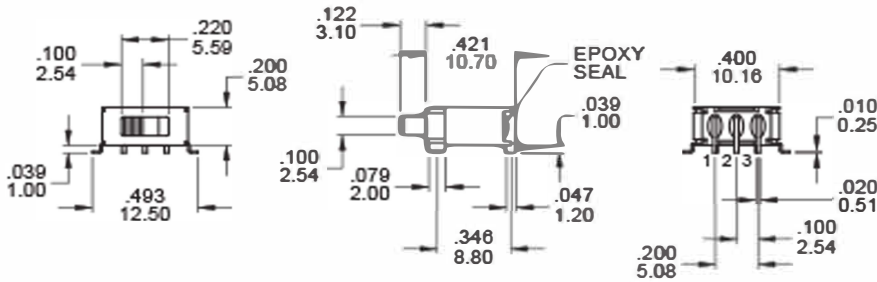
M6



DPDT

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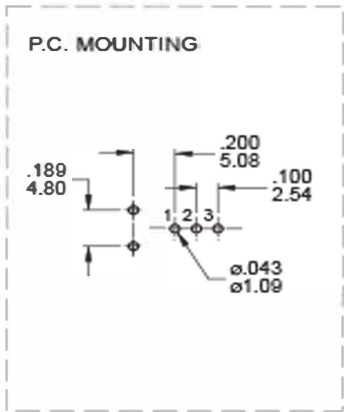
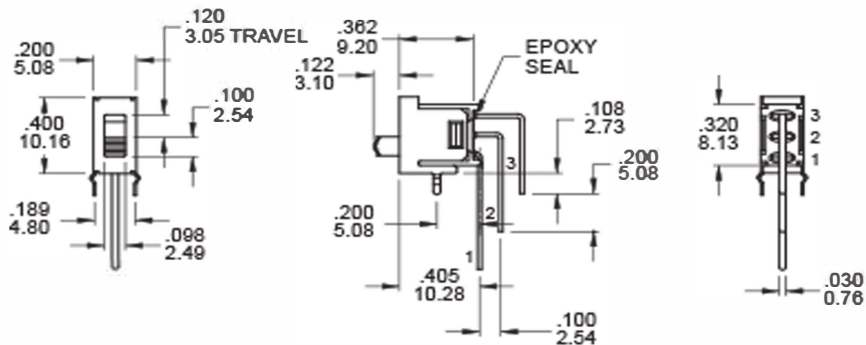
MZ



SPDT

Part No. Shown : 5FS1S102MZRE

M7N (SP only)

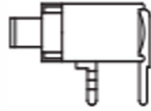


SPDT

Part No. Shown : 5FS1S102M7NRE

**SNAP-IN TERMINATION OPTIONS**

M6N



**CONTACT MATERIAL OPTIONS**

	CONTACT PLATING	TERMINAL PLATING Q	RATINGS
Q	Silver	= 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	0.4 Volt - Amps ( VA ) max. @ 20V max. ( AC or DC )
K		K = Gold over silver,pure - tin	
R	Gold	R = Gold	
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)