

## SPECIFICATIONS

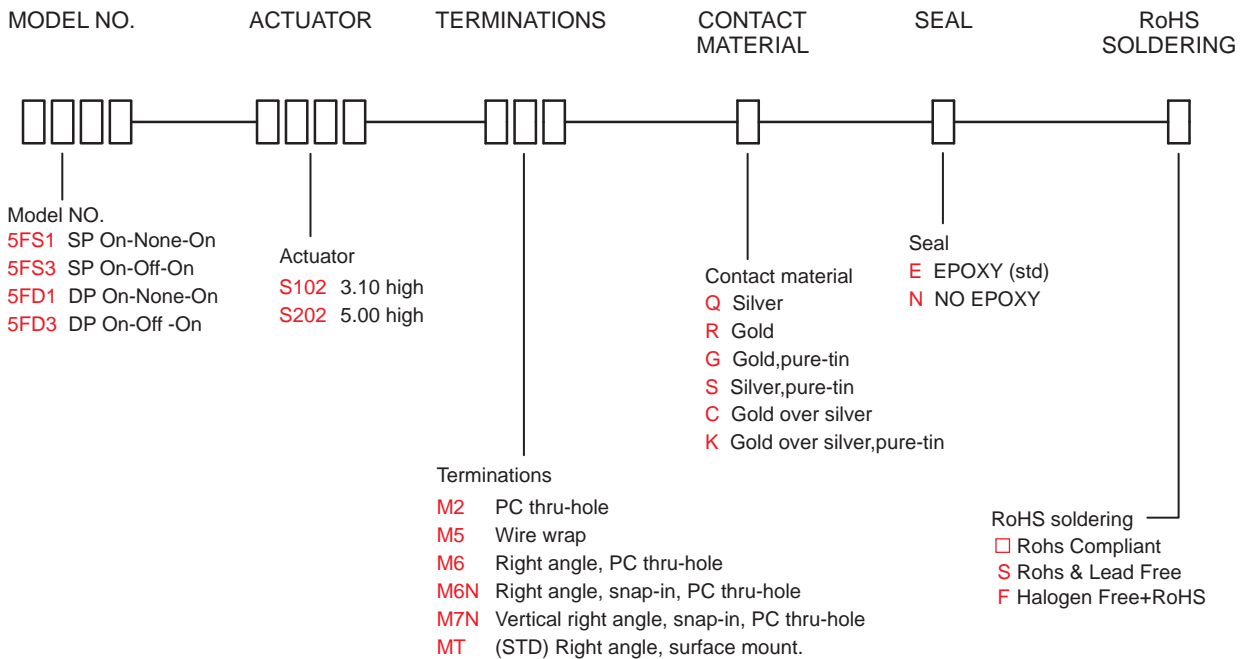
- CONTACT RATING:** Dependent upon contact material.
- MECHANICAL LIFE:** 30,000 make-and-break cycles.
- CONTACT RESISTANCE:** 20 mΩ max. initial @ 2-4VDC  
100mA for both silver and gold plated contacts.
- INSULATION RESISTANCE:** 1,000 MΩ min.
- DIELECTRIC STRENGTH:** 1,000 Vrms min. @sea level.
- 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.
- TERMINAL SEAL:** Copper alloy, with silver and gold plated.



## HOW TO ORDER

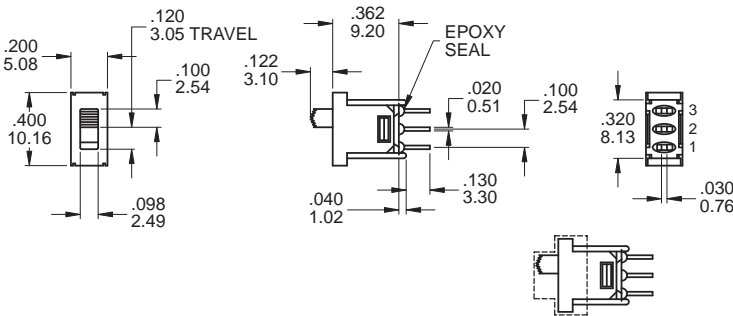


## SWITCH FUNCTION

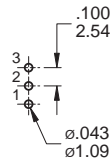
NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	Q2511	5FS1	ON	NONE	ON	2-1	N/A	2-3
	Q2513	5FS3	ON	OFF	ON		OPEN	
DP	Q2521	5FD1	ON	NONE	ON	2-1,5-4	N/A	2-3,5-6
	Q2523	5FD3	ON	OFF	ON		OPEN	

MOM=MENTORY

## POLE OPTIONS

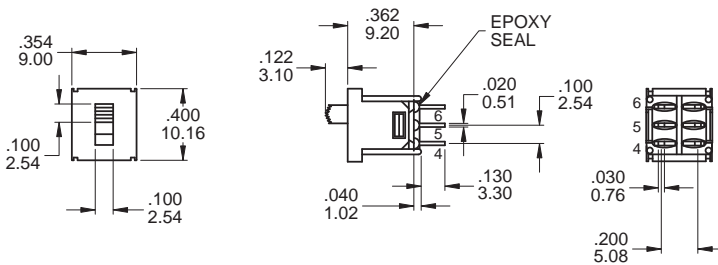


P.C. MOUNTING

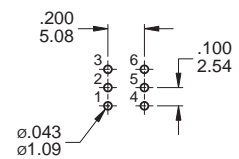


SPDT

Part No. Shown : 5FS1S102M2QE



P.C. MOUNTING

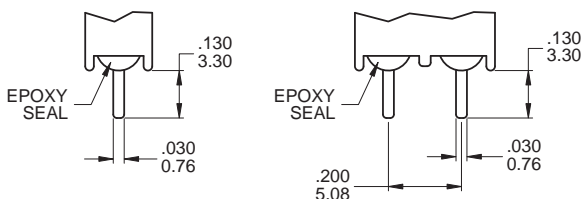


DPDT

Part No. Shown : 5FD1S102M2QE

## TERMINATION OPTIONS

M2 PC Thru-hole



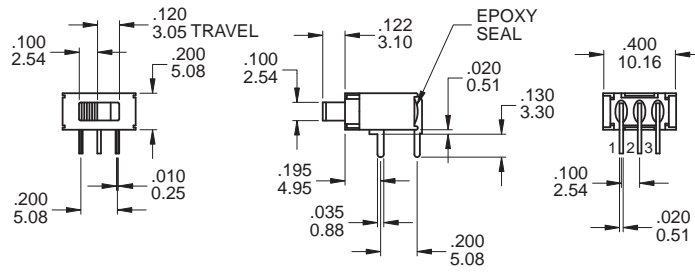
SP

DP

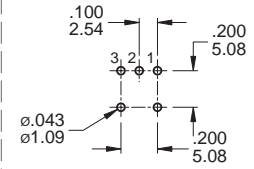
## OTHER TERMINATION OPTIONS

- M6 RIGHT ANGLE P.C. MOUNT
- M6N SNAP-IN RIGHT ANGLE P.C. MOUNT

## M6



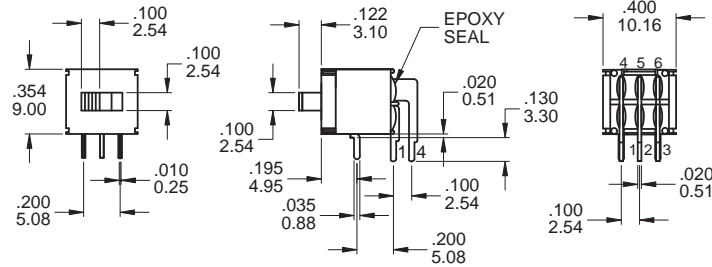
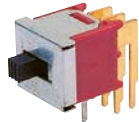
### P.C. MOUNTING



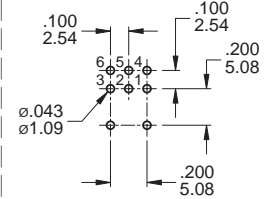
## SPDT

Part No. Shown : 5FS1S102M6QE

## M6



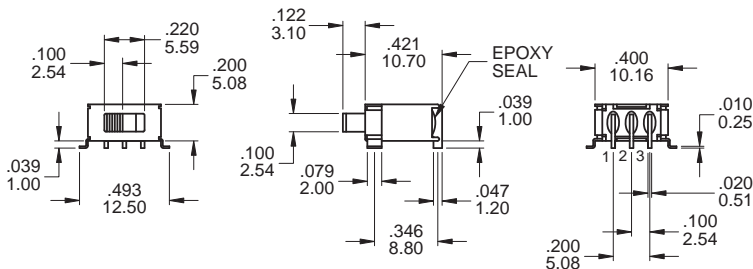
### P.C. MOUNTING



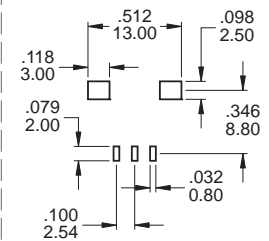
## DPDT

Part No. Shown : 5FD1S102M6RE

## MZ



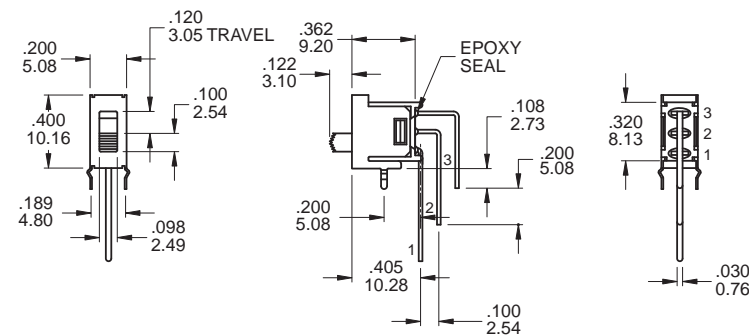
### P.C. MOUNTING



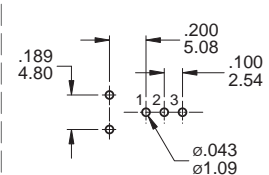
## SPDT

Part No. Shown : 5FS1S102MZRE

## M7N (SP only)



### P.C. MOUNTING

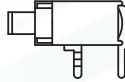


## SPDT

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)