

5F Series

Sub-Miniature Slide Switches

SPECIFICATIONS

CONTACT RATING: Dependent upon contact material See Page 89.

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: -40°C to 85°C.(std)
-30°C to 85°C.(SMT)

MATERIALS

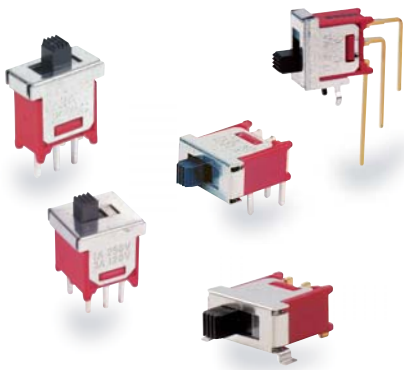
CASE: Diallyl phthalate (DAP) (UL94v-0).

HOUSING: Stainless steel or phosphor bronze,tin plated.

ACTUATOR: Nylon,black std.

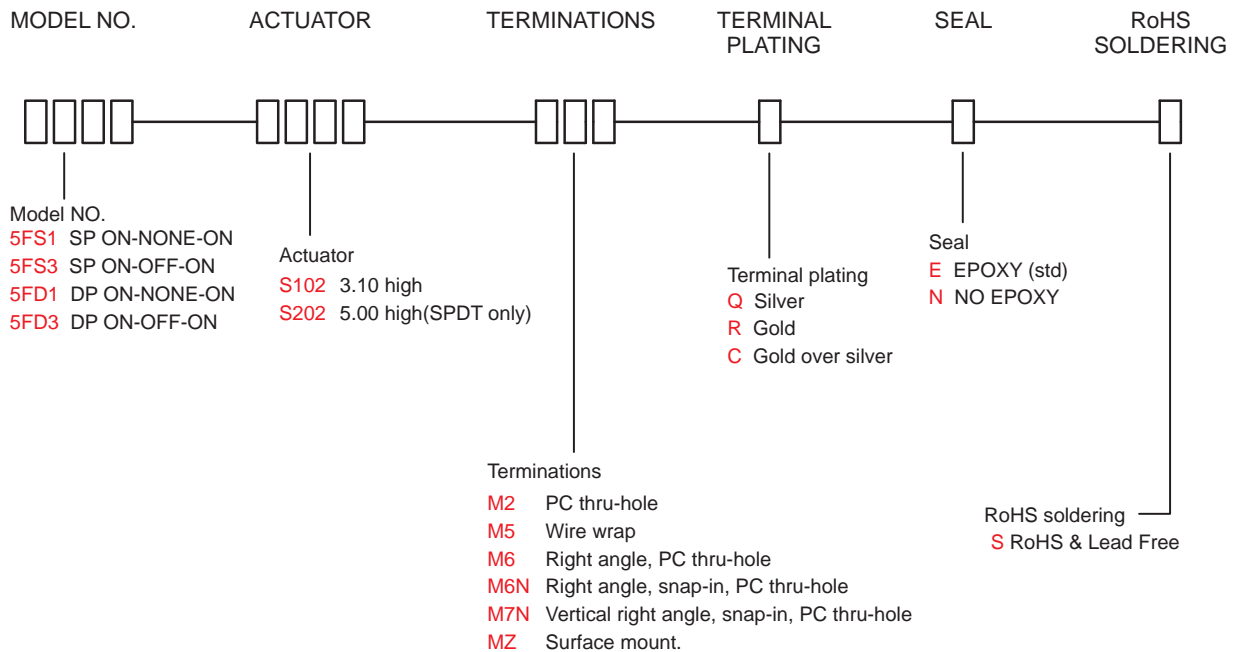
CONTACT: Brass or copper alloy,with silver or gold plated.

TERMINALS: Copper alloy,with silver and gold plated.
(See Page 89)



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Slide Switches

HOW TO ORDER



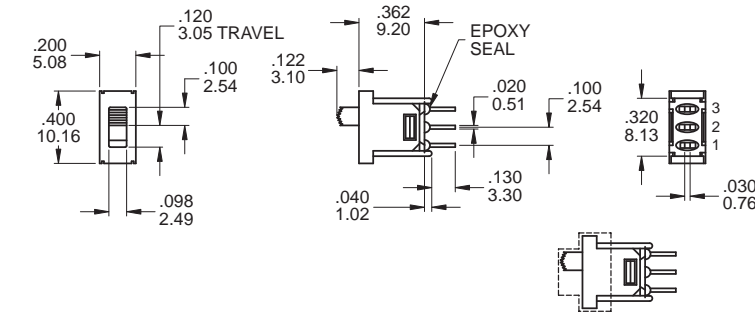
SWITCH FUNCTION

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	2-1, 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, 4-5, 5-6	OPEN	2 (COMM) 1-3, 4-5, 5-6

POLE OPTIONS



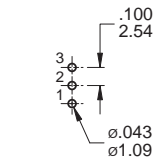
SPDT



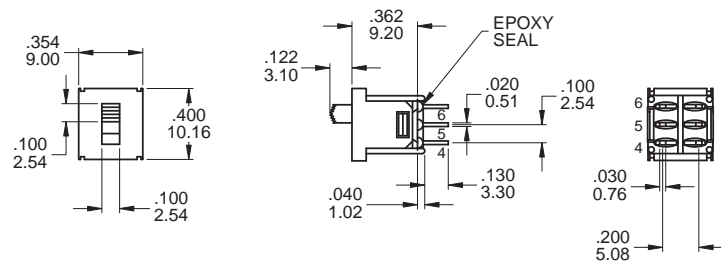
Part No. Shown : 5FS1S102M2QES

Waterproof transparent cover

P.C. MOUNTING

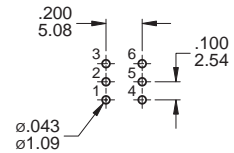


DPDT



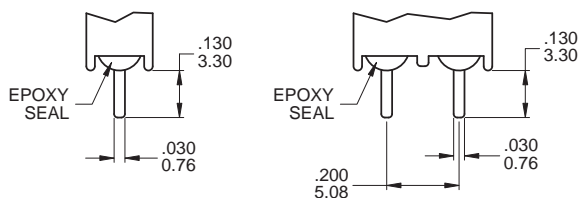
Part No. Shown : 5FD1S102M2QES

P.C. MOUNTING



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



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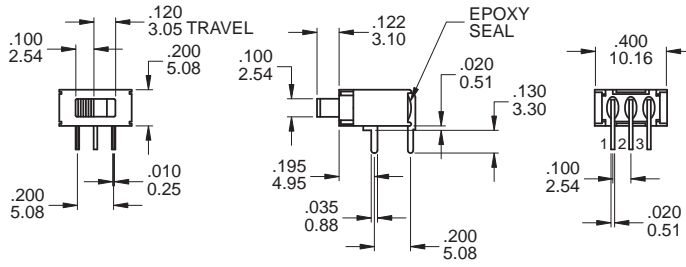
5F Series

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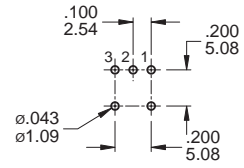


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Slide Switches

M6

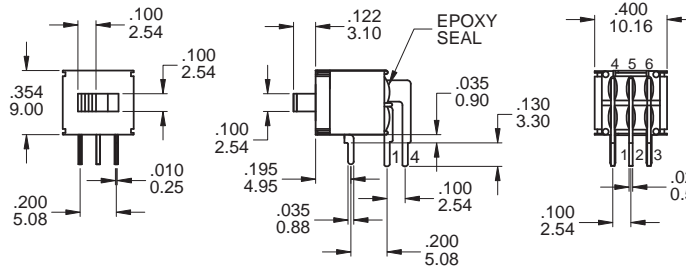
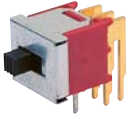


P.C. MOUNTING

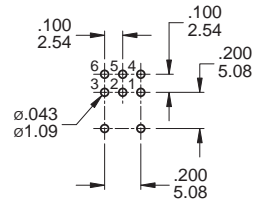


Part No. Shown : 5FS1S102M6QES

M6



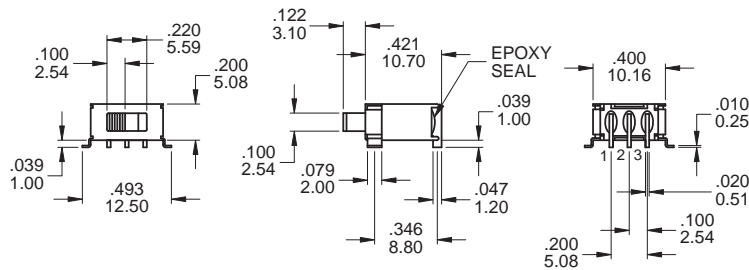
P.C. MOUNTING



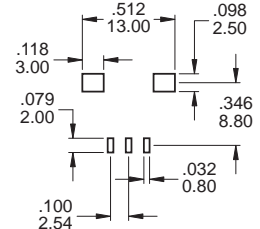
Part No. Shown : 5FD1S102M6RES

DPDT

MZ



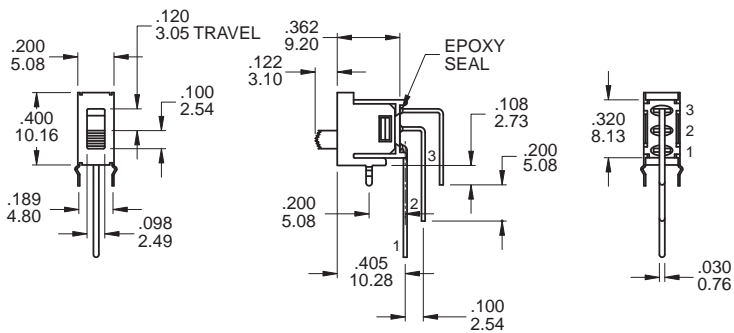
P.C. MOUNTING



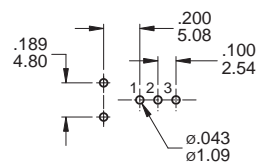
Part No. Shown : 5FS1S102MZRES

SPDT

M7N



P.C. MOUNTING

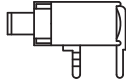


Part No. Shown : 5FS1S102M7NRES

SPDT Only

SNAP-IN TERMINATION OPTIONS

M6N



CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
C	Gold over Silver	Gold over silver	
R	Gold	Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

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: 270 ± 5°C

Duration of Solder Immersion: Max 5 sec. (PCB is 1.6mm in thickness)



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