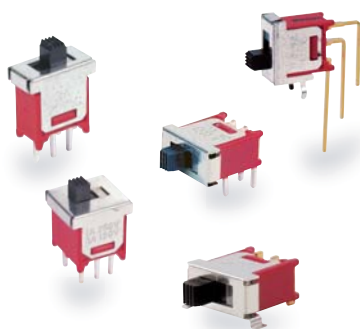




SPECIFICATIONS

CONTACT RATING: Dependent upon contact material, see page 88.
MECHANICAL LIFE: 30,000 make-and-break cycles.
CONTACT RESISTANCE: 20 mΩ max. (initial value) @ 2-4VDC
100mA for both silver and gold plated contacts.
INSULATION RESISTANCE: 1,000 MΩ min./1000VDC
DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level. (initial value)
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 with silver or gold plated.
TERMINALS: Copper with silver and gold plated.
(See page 88)

HOW TO ORDER

MODEL NO.	ACTUATOR	TERMINAL TYPE	TERMINAL PLATING	SEAL	RoHS SOLDERING
<u>SP</u> 5FS1 ON-NONE-ON 5FS3 ON-OFF-ON	S102 3.10 high S202 5.00 high *		Q Silver R Gold C Gold over silver	E EPOXY (std) N NO EPOXY	S RoHS & Lead Free
<u>DP</u> 5FD1 ON-NONE-ON 5FD3 ON-OFF-ON		M2 PC thru-hole M51 Wire wrap M6 Right angle, PC thru-hole M6N Right angle, snap-in, PC thru-hole ** M7N Vertical right angle, snap-in, PC thru-hole ** MZ Surface mount. **			

* Only available for DPDT.
** The terminal type of M6N, M7N, MZ are not suitable for DPDT.

EXAMPLE: 5FS1S102M2QES

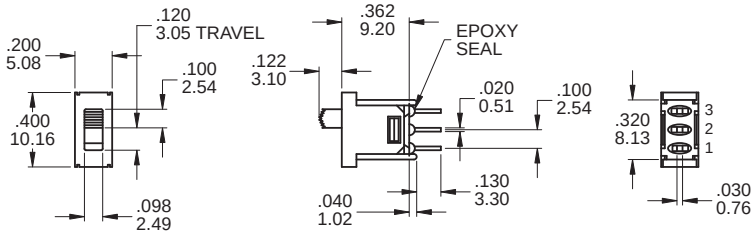


5F
Slide Switches

▼ SWITCH FUNCTION

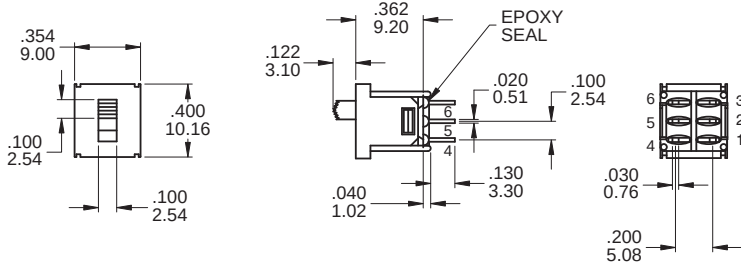
NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	Q2511	5FS1	ON	NONE	ON	2-1	N/A	2-3
	Q2513	5FS3	ON	OFF	ON		OPEN	
DP	Q2521	5FD1	ON	NONE	ON	2-1,5-4	N/A	2-3,5-6
	Q2523	5FD3	ON	OFF	ON		OPEN	

▼ POLE OPTIONS



SPDT

Model name. 5FS1S102M2QES

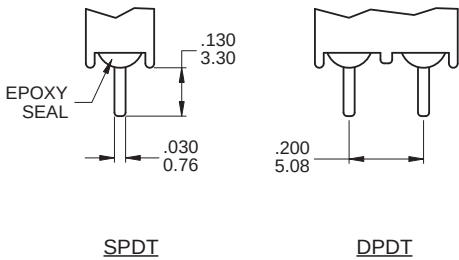


DPDT

Model name. 5FD1S102M2QES

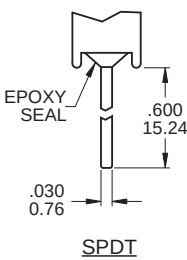
▼ TERMINAL OPTIONS

M2 PC Thru-hole



.020inch(0.51mm)THK

M51 Wire wrap

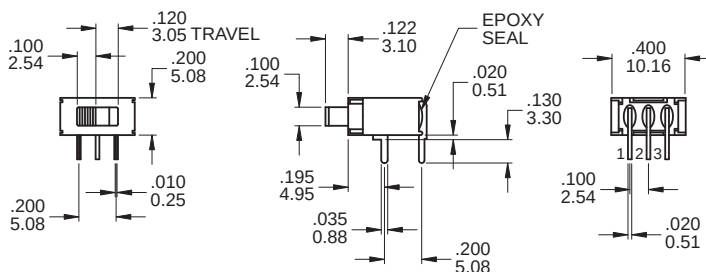


.020inch(0.51mm)THK

OTHER TERMINAL OPTIONS

- M6 Right angle P.C. Mount
- M6N Right angle P.C. Mount Snap-in bracket
- M7N Vertical right angle P.C. Mount Snap-in bracket

M6
(M6N - Snap-in)

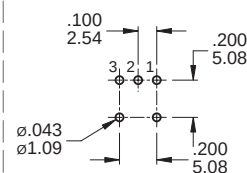


Note: Only available for SPDT

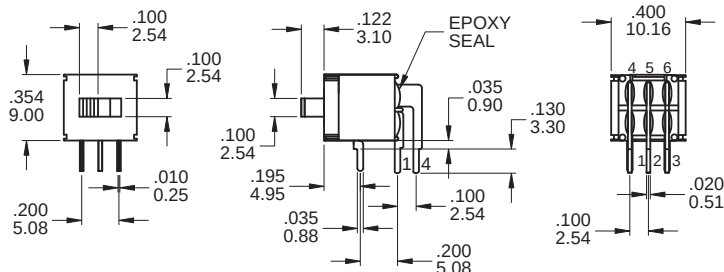
SPDT

Model name. 5FS1S102M6QES

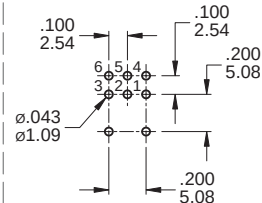
PCB MOUNTING



M6



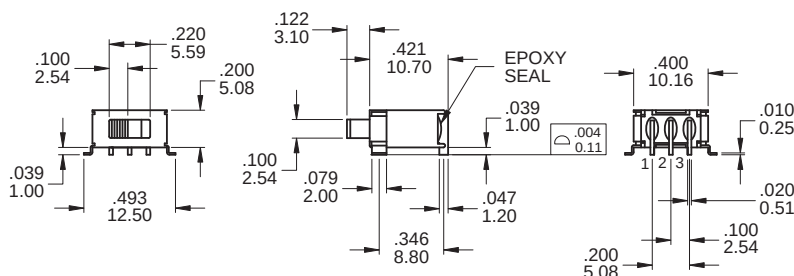
PCB MOUNTING



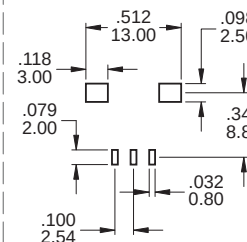
DPDT

Model name. 5FD1S102M6RES

MZ



PCB MOUNTING

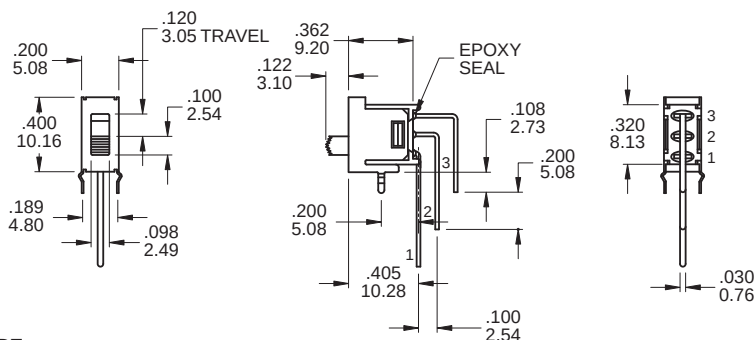


Note: Only available for SPDT

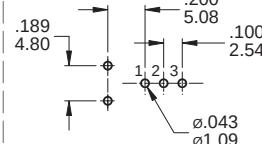
SPDT

Model name. 5FS1S102MZRES

M7N
(Snap-in)



PCB MOUNTING



Note: Only available for SPDT

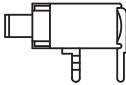
SPDT

Model name. 5FS1S102M7NRES



▼ SNAP-IN TERMINAL OPTIONS

M6N



Note: Only available for SPDT

▼ WATERPROOF TRANSPARENT COVER

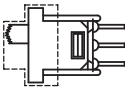
Model name. FCP-5F01
Note: Only available for SPDT

EXAMPLE:

Model name.

 -

Waterproof transparent cover



▼ CONTACT & TERMINAL PLATING 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 PROCESS

MANUAL SOLDERING: Use 30 watts soldering iron and controlled the temperature at 350°.
Duration of solder immersion: Max. 5 sec.

WAVE SOLDERING: Recommend soldering temperature: 260 ± 5°C
Duration of solder immersion: Max. 5 sec. (PCB thickness is 1.6mm)