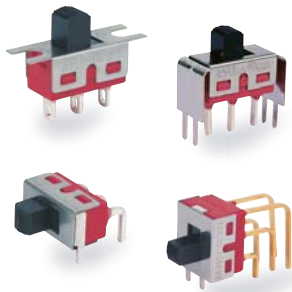




5M
Slide Switches



SPECIFICATIONS

- CONTACT RATING:** Dependent upon contact material, see page 84.
- MECHANICAL LIFE:** 30,000 make-and-break cycles.
- CONTACT RESISTANCE:** 10 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.

MATERIALS

- CASE:** Diallyl phthalate (DAP) (UL94v-0).
- HOUSING:** Stainless steel.
- ACTUATOR:** Nylon, black.
- CONTACT/TERMINALS:** Copper with silver or gold plated.

HOW TO ORDER

MODEL NO.

SP
5MS1 ON-NONE-ON
5MS2 ON-NONE-(ON)
5MS3 ON-OFF-ON

DP
5MD1 ON-NONE-ON
5MD3 ON-OFF-ON

ACTUATOR

S0 1.30 high *
S1 5.08 high(STD)
S2 7.24 high
S3 9.40 high
S4 3.56 high
S5 5.08 high **
S7 12.32 high

ACTUATOR COLOR

ITEM NO	COLOR
01	White
02	Black (Std)
03	Red
04	Orange
05	Yellow
06	Green
07	Blue
09	Gray

MOUNTING EARS

A NO Mounting Ears
B Mounting Ears

TERMINAL TYPE

M1 Solder Lug
M2 PC thru-hole
M3 Quick Connect
M52 24.20 high, wire wrap
M54 26.97 high, wire wrap
M6 Right angle, PC thru-hole
M7 Vertical right angle, PC thru-hole
VS2 V-bracket ***

TERMINAL PLATING

Q Silver
R Gold
C Gold over silver

SEAL

E EPOXY (std)
N NO EPOXY

RoHS SOLDERING

S RoHS & Lead Free

* Actuator S0 is not applicable for 5MS3.

** Only available for DPDT.

*** Not applicable for actuator S5.

**** Except standard color, for other colors information please consult sales representativity.

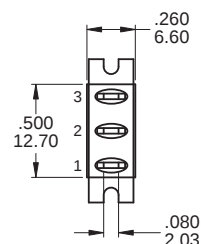
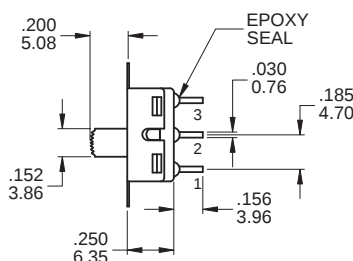
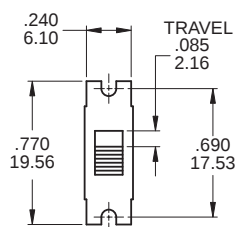
EXAMPLE:
5MS1S1□BM1QES
└─ Actuator Color

▼ 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	Q1511	5MS1	ON	NONE	ON	2-1	N/A	2-3
	Q1512	5MS2	ON	NONE	(ON)	2 (COMM) 1 • 3	OPEN	2 (COMM) 1 • 3
	Q1513	5MS3	ON	OFF	ON			
DP	Q1521	5MD1	ON	NONE	ON	2-1,5-4	N/A	2-3,5-6
	Q1523	5MD3	ON	OFF	ON	2 (COMM) 5 1 • 3 4 • 6	OPEN	2 (COMM) 5 1 • 3 4 • 6

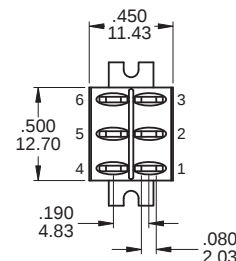
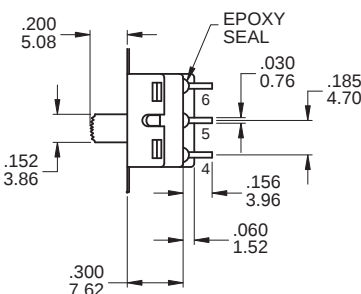
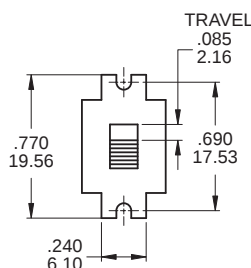
()=MOMENTARY

▼ POLE OPTIONS



SPDT

Model name. 5MS1S102BM1QES

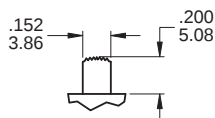


DPDT

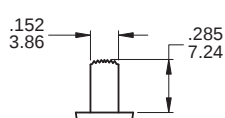
Model name. 5MD1S102BM1QES

▼ ACTUATOR OPTIONS

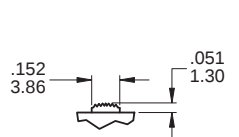
S1 (Std.)



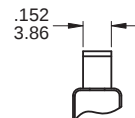
S2



S0 *



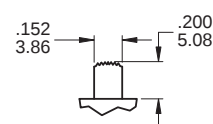
FRONT



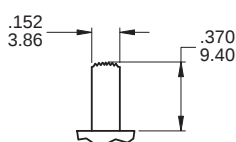
For S0-S4 and S7 actuator

▲ S5

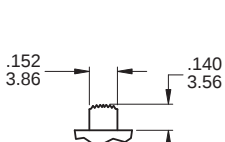
Only available for DPDT



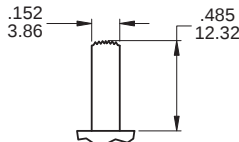
S3



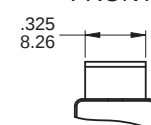
S4



S7



FRONT



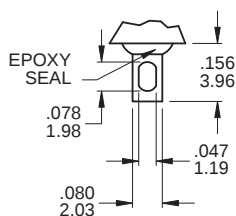
* Actuator S0 is not applicable for 5MS3.

Note: For terminal M6, M7, VS2: -.014inch(0.36mm)



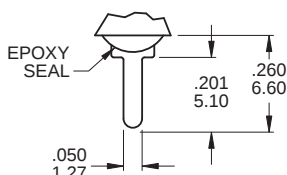
▼ TERMINAL OPTIONS

M1 Solder lug



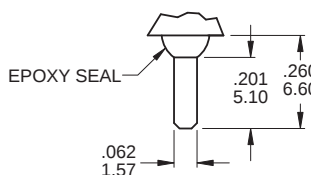
.030inch(0.76mm)THK

M2 PC Thru-hole



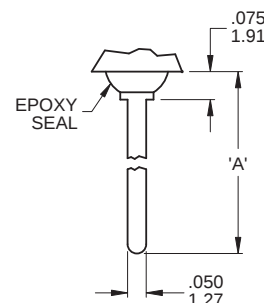
.030inch(0.76mm)THK

M3 Quick connect



.030inch(0.76mm)THK

M5 Wire Wrap



.030inch(0.76mm)THK

▼ OTHER TERMINAL OPTIONS

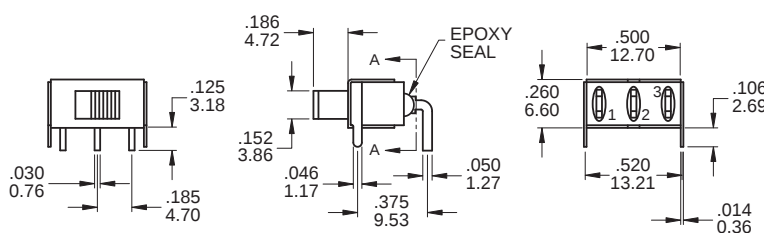
M6 Right angle P.C. Mount

M7 Right angle P.C. Mount

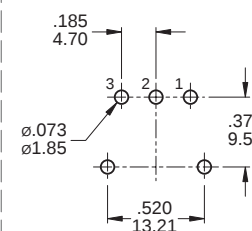
VS2 Vertical bracket P.C. Mount

OPTION CODE	DIM. 'A'
M52	.953 (24.20)
M54	1.062 (26.97)

M6



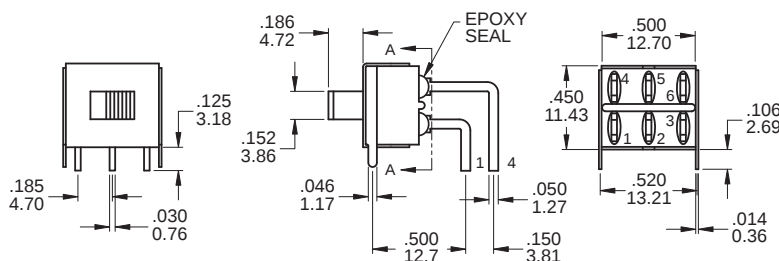
PCB MOUNTING



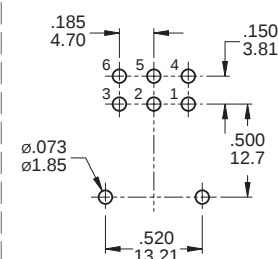
SPDT

Model name. 5MS1S102AM6QES

M6



PCB MOUNTING

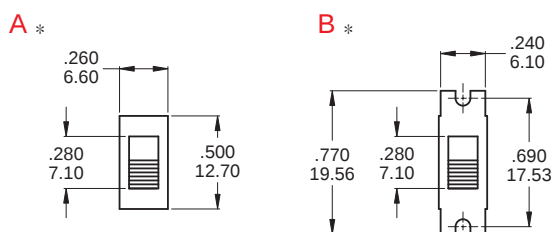
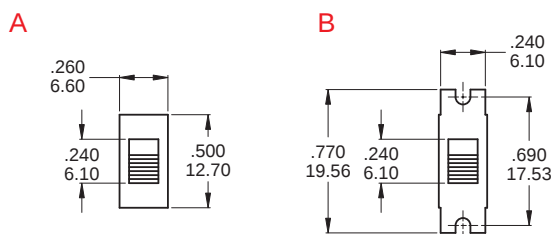


DPDT

Model name. 5MD1S102AM6QES

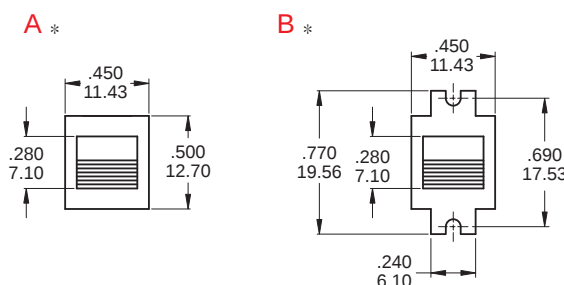
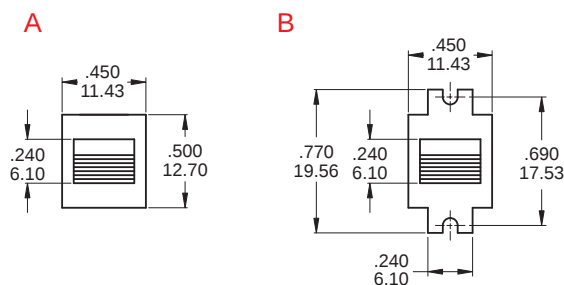


▼ MOUNTING EARS



* Three positions only

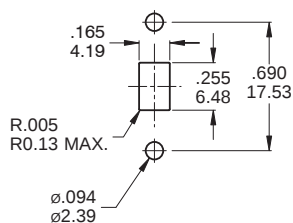
Note: Standard for S0-S4 and S7 actuator.



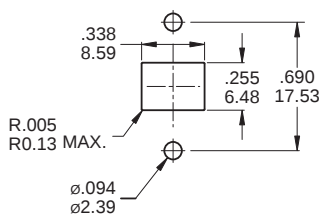
* Three positions only

Note: Standard for S5 actuator.

▼ PANEL MOUNT

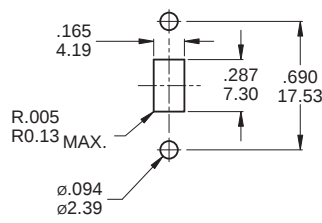


For S0-S4 and S7 actuator

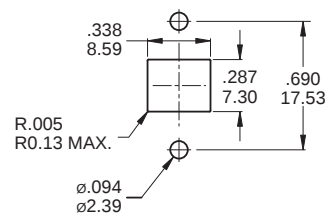


For S5 actuator only

Three positions only



For S0-S4 and S7 actuator



For S5 actuator only

▼ CONTACT & TERMINAL PLATING OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Silver	5 Amps with resistant load @ 120VAC or 28VDC
C	Gold over Silver	Gold over silver	2 Amps with resistant load @ 250VAC
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)