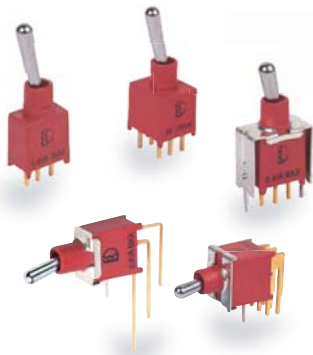




IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60020:2001

CUL US
E 187490

RoHS
compliant

Pb
lead-free

SPECIFICATIONS

CONTACT RATING: Dependent upon contact material See Page 33.

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 & BUSHING: Glass filled nylon 6/6, flame retardant,
heat stabilized (UL94v-0).

ACTUATOR: Brass, chrome plated, internal O-ring seal.
Standard for all actuators.

SWITCH SUPPORT: Brass, tin plated.

CONTACT / TERMINALS: Copper alloy with Silver or gold plated.
(See Page 33)

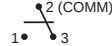
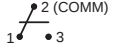
HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	TERMINATIONS	TERMINAL MATERIAL	SEAL	RoHS SOLDERING
Model NO. 2AS1 2AS2 2AS3 2AS4 2AS5 2AS6 2AD1 2AD2 2AD3 2AD6 SP On-None-On SP On-None-Mom. SP On-Off-On SP Mom.-Off-Mom. SP On-Off-Mom. SP Off-None-On DP On-None-On DP On-None-Mom. DP On-Off-On DP On-On-On	Actuator T1 T2 T3 T4 TA TB 10.16 high 6.10 high 8.13 high 13.97 high Plastic, anti-static, 10.16 high Plastic, anti-static, 6.10 high	Bushing A1 A2 A3 SP 4.65 high DP 4.50 high SP 5.00 high	Terminations M2 M5 M6 M6N M7 M7N VS2 V2N PC thru-hole Wire wrap Right angle, PC thru-hole Right angle, snap-in, PC thru-hole Vertical right angle, PC thru-hole Vertical right angle, snap-in, PC thru-hole 9.30 high V-bracket 9.30 high Snap-in V-bracket	Terminal material Q R G S C K Gold flash over silver Gold Gold, pure-tin Gold flash over silver, pure-tin Gold over silver Gold over silver, pure-tin	Seal E EPOXY (std)	RoHS soldering □ S F RoHS Compliant RoHS & Lead Free Halogen Free+RoHS



2A
Toggle Switches

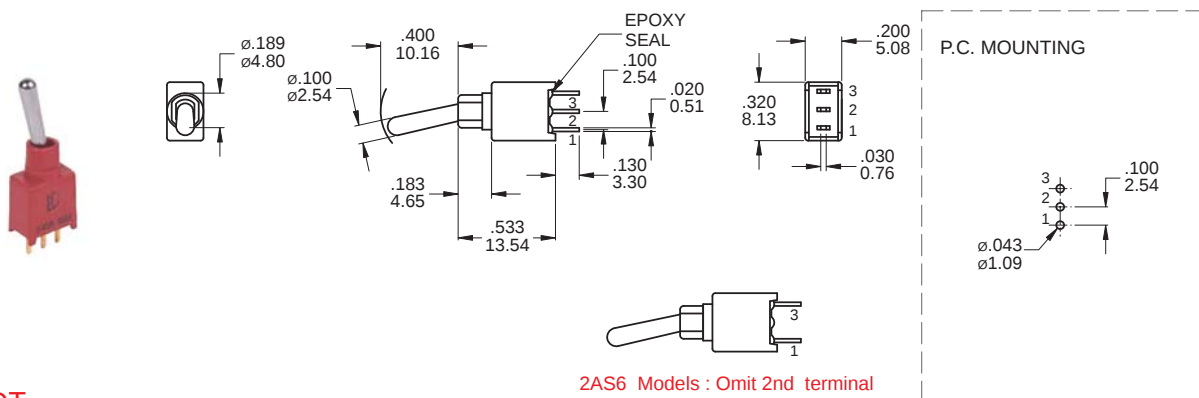
SWITCH FUNCTION

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	Q22A11	2AS1	ON	NONE	ON	2-3 	N/A	2-1 
	Q22A12	2AS2	ON	NONE	MOM		OPEN	
	Q22A13	2AS3	ON	OFF	ON			
	Q22A14	2AS4	MOM	OFF	MOM	OPEN		N/A
	Q22A15	2AS5	ON	OFF	MOM			
	Q22A16	2AS6	OFF	NONE	ON			
DP	Q22A21	2AD1	ON	NONE	ON	2-3,5-6 	N/A	2-1,5-4 
	Q22A22	2AD2	ON	NONE	MOM		OPEN	
	Q22A23	2AD3	ON	OFF	ON			
		Q22A26	2AD6	ON	ON	ON	2-3,5-6	2-3,5-4

MOM=MOMENTARY

▲ Please check the availability in advance before order

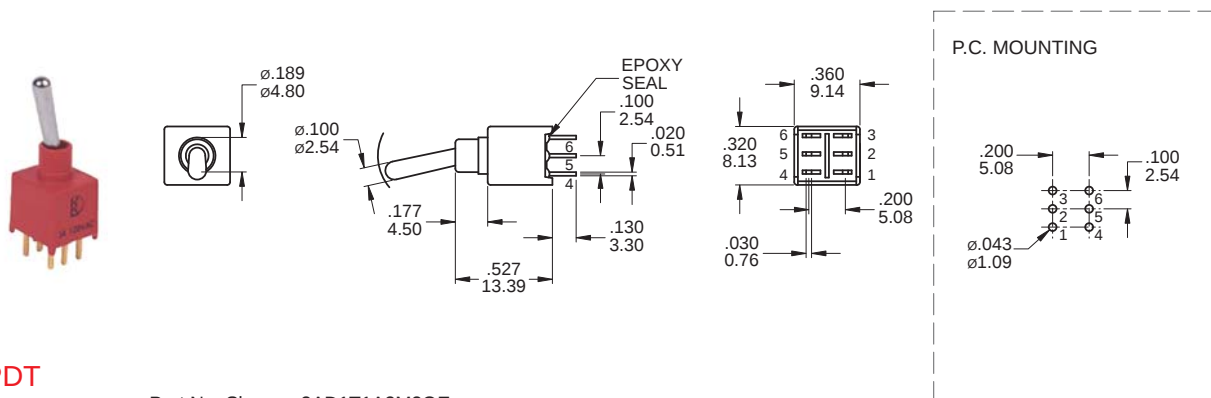
POLE OPTIONS



SPDT

2AS6 Models : Omit 2nd terminal

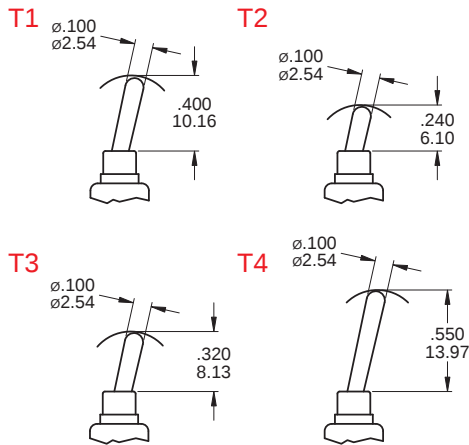
Part No. Shown : 2AS1T1A1M2RE



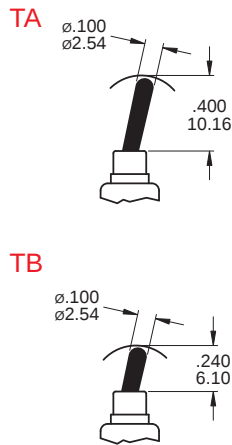
DPDT

Part No. Shown : 2AD1T1A2M2QE

ACTUATOR OPTIONS

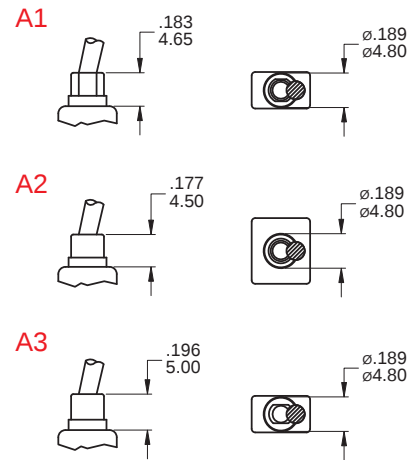


Actuator shown with A1 Bushing,
sub .020 (0.50) for A3 Bushing.



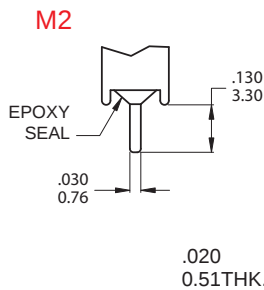
ESD
PLASTIC ACTUATOR

BUSHING OPTIONS

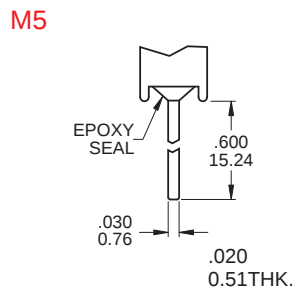


A1, A3 FOR SPDT / A2 FOR DPDT

TERMINATION OPTIONS



.020
0.51THK.

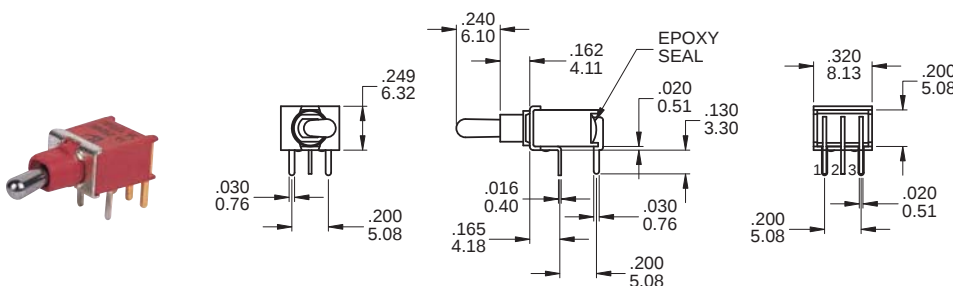


.020
0.51THK.

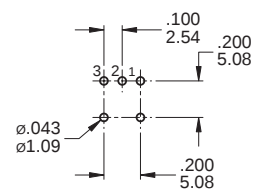
OTHER TERMINATION OPTIONS

- M6** RIGHT ANGLE P.C. MOUNT
- M6N** RIGHT ANGLE P.C. MOUNT
SNAP-IN BRACKET
- M7** RIGHT ANGLE P.C. MOUNT
- VS2** VERTICAL BRACKET P.C. MOUNT

M6



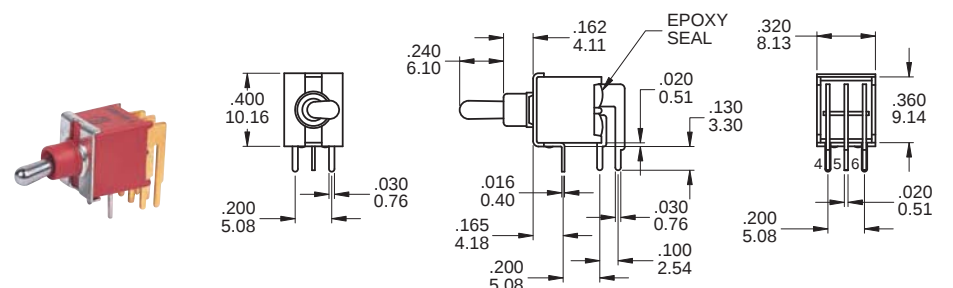
P.C. MOUNTING



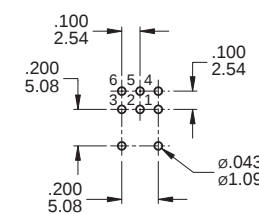
SPDT

Part No. Shown : 2AS1T2A1M6QE

M6



P.C. MOUNTING

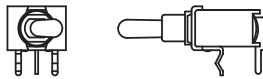


DPDT

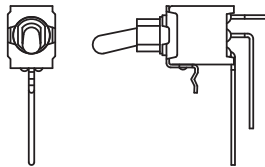
Part No. Shown : 2AD1T2A2M6RE

SNAP-IN TERMINATION OPTIONS

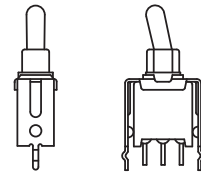
M6N



M7N



V2N



CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
S		S = Gold flash over 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)



2A
Toggle Switches