

SPECIFICATIONS

- CONTACT RATING:** Dependent upon contact material.
- MECHANICAL LIFE:** 50,000 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 retardand, heat stabilized (UL94V-0).
- PLUNGER:** Thermoplastic Polyester (UL 94V-0), with internal O-ring seal.
- SWITCH SUPPORT:** Brass or steel electrotin plated.
- CONTACT:** Copper alloy, with silver or gold plated.

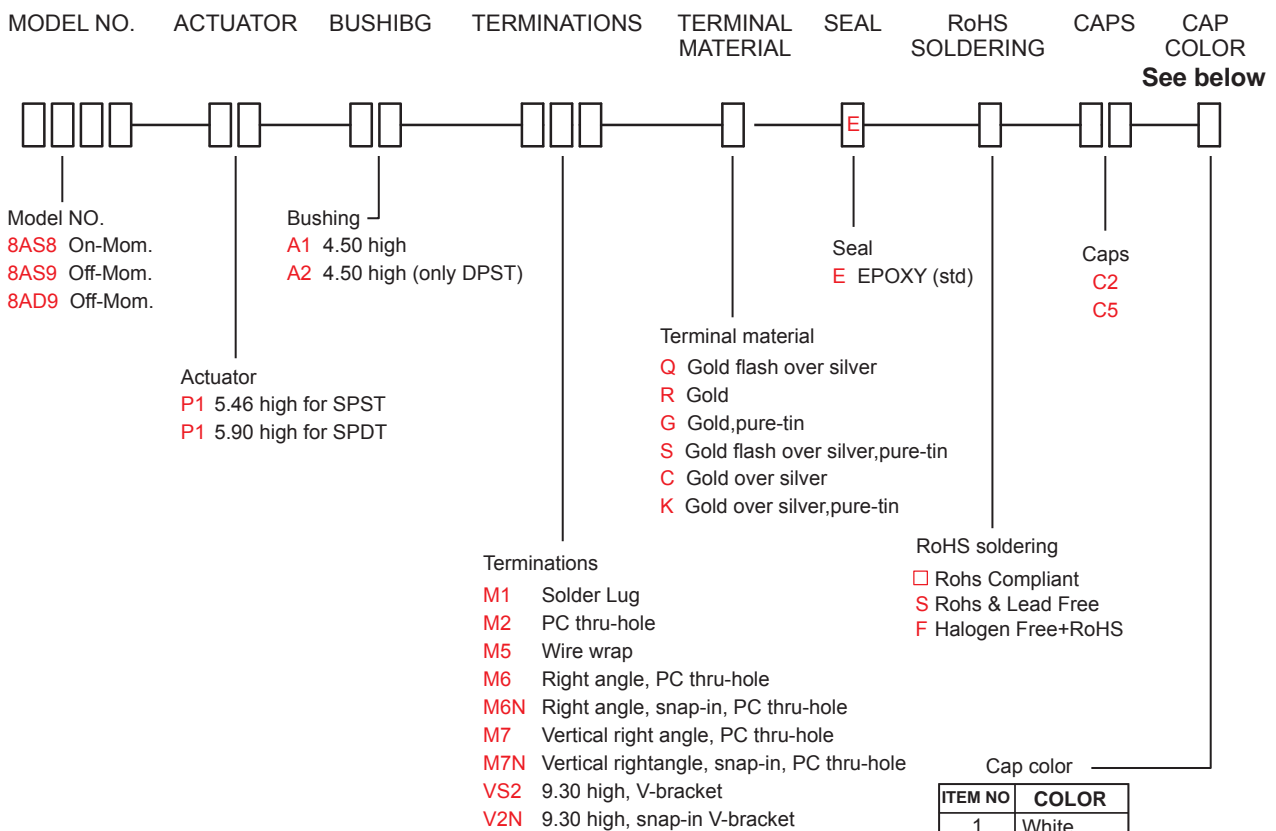
IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

C **UL** US
E 187490

RoHS
compliant

Pb
lead-free

HOW TO ORDER



ITEM NO	COLOR
1	White
2	Black (Std)
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray



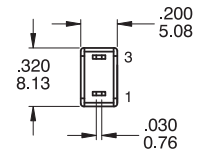
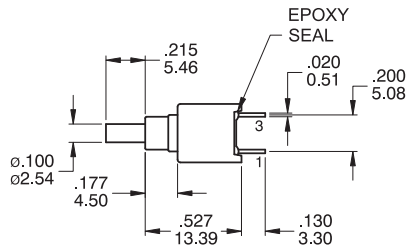
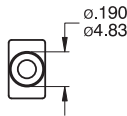
8A Pushbutton Switches

SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
			POS.1	POS.2	POS.1	POS.2
SP	Q28A18	8AS8	ON	MOM	2-1 NC 1 • 2 (COMM) • 3 NO	2-3 NC 1 • 2 (COMM) • 3 NO
	Q28A19	8AS9	OFF	MOM	OPEN	1-3 1 ↑ 3
DP	Q28A29	8AD9	OFF	MOM	OPEN	1-3,4-6 1 ↑ 3 4 ↑ 6

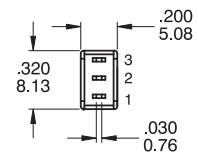
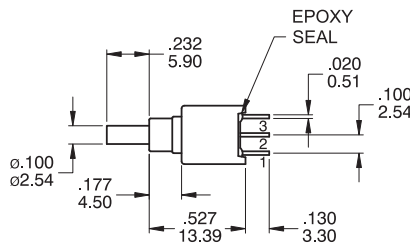
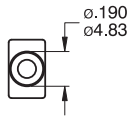
MOM=MOMENTARY

POLE OPTIONS



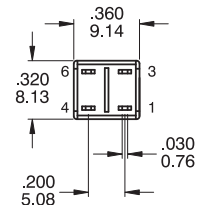
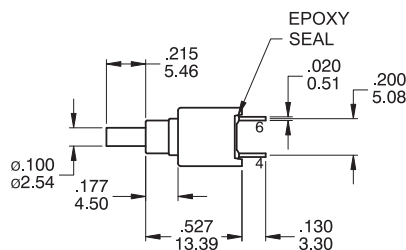
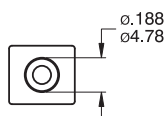
SPST

Part No. Shown : 8AS9P1A1M2RE



SPDT

Part No. Shown : 8AS8P1A1M2RE



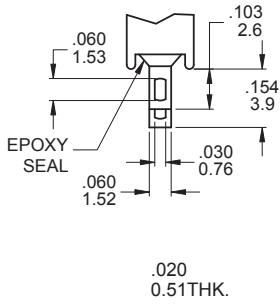
DPST

Part No. Shown : 8AD9P1A2M2RE

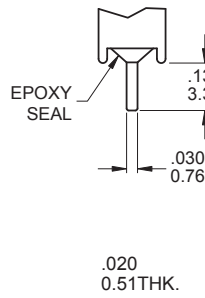
8A Sealed Sub-Miniature Pushbutton Switches

TERMINATION OPTIONS

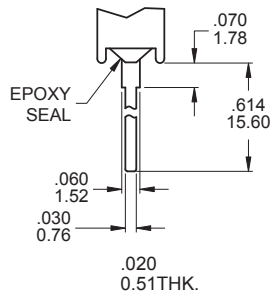
M1 Solder lug



M2 PC Thru-hole



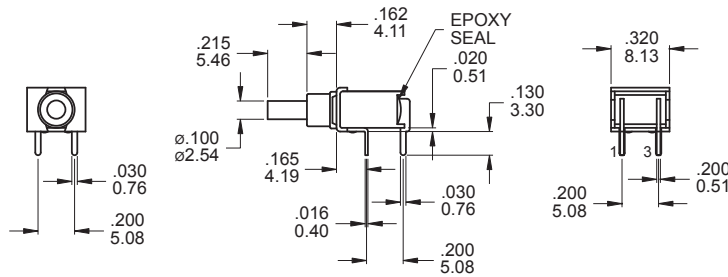
M5 Wire Wrap



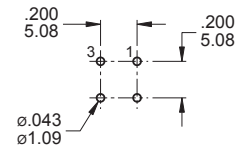
OTHER TERMINATION OPTIONS

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

M6



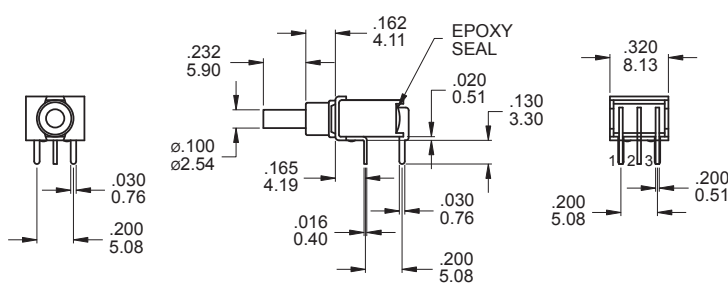
P.C. MOUNTING



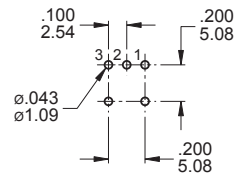
SPST

Part No. Shown : 8AS9P1A1M6RE

M6



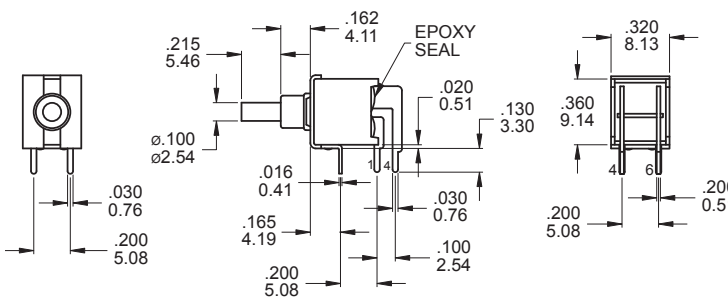
P.C. MOUNTING



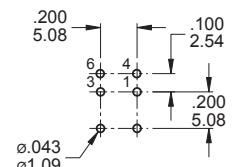
SPDT

Part No. Shown : 8AS8P1A1M6RE

M6



P.C. MOUNTING

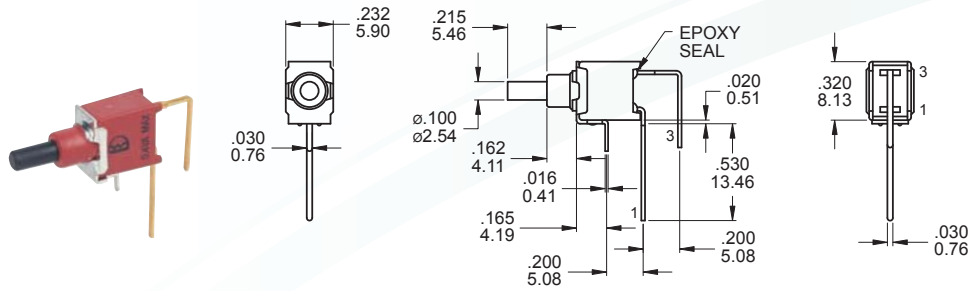


DPST

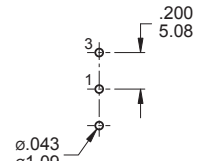
Part No. Shown : 8AD9P1A2M6RE



M7



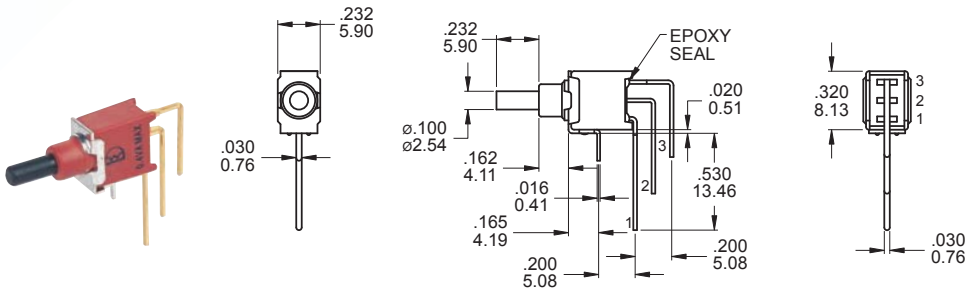
P.C. MOUNTING



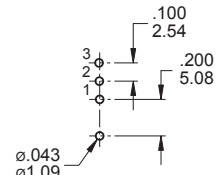
SPST

Part No. Shown : 8AS9P1A1M7RE

M7



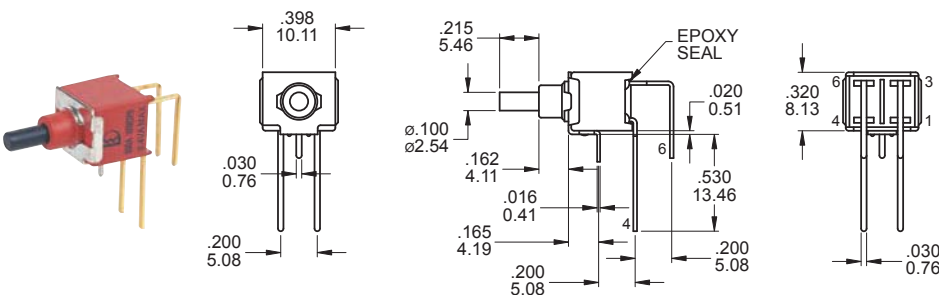
P.C. MOUNTING



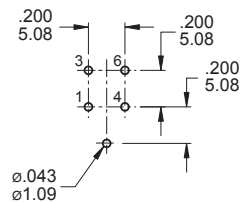
SPDT

Part No. Shown : 8AS8P1A1M7RE

M7



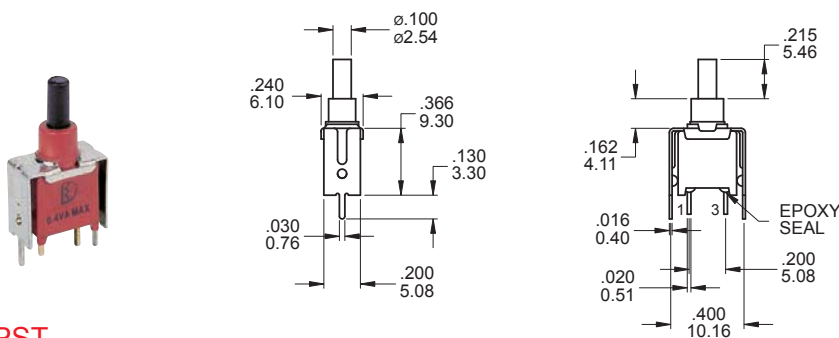
P.C. MOUNTING



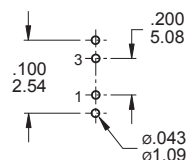
DPST

Part No. Shown : 8AD9P1A2M7RE

VS2



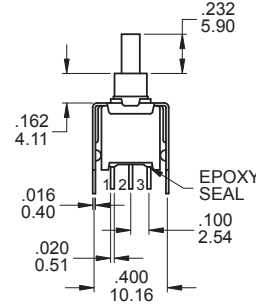
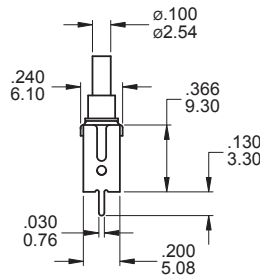
P.C. MOUNTING



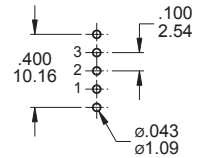
SPST

Part No. Shown : 8AS9P1A1VS2RE

VS2



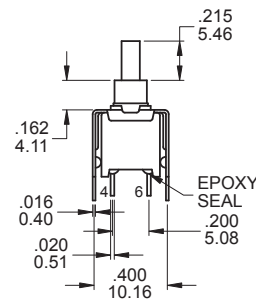
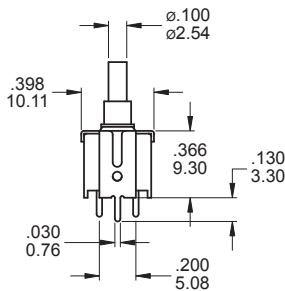
P.C. MOUNTING



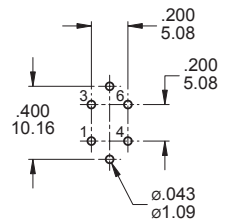
SPDT

Part No. Shown : 8AS8P1A1VS2RE

VS2



P.C. MOUNTING



DPST

Part No. Shown : 8AD9P1A2VS2RE

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)

