

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

C **UL** US
E 187490

RoHS
compliant

Pb
lead-free

SPECIFICATIONS

CONTACT RATING: Dependent upon contact material See Page 135.

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).

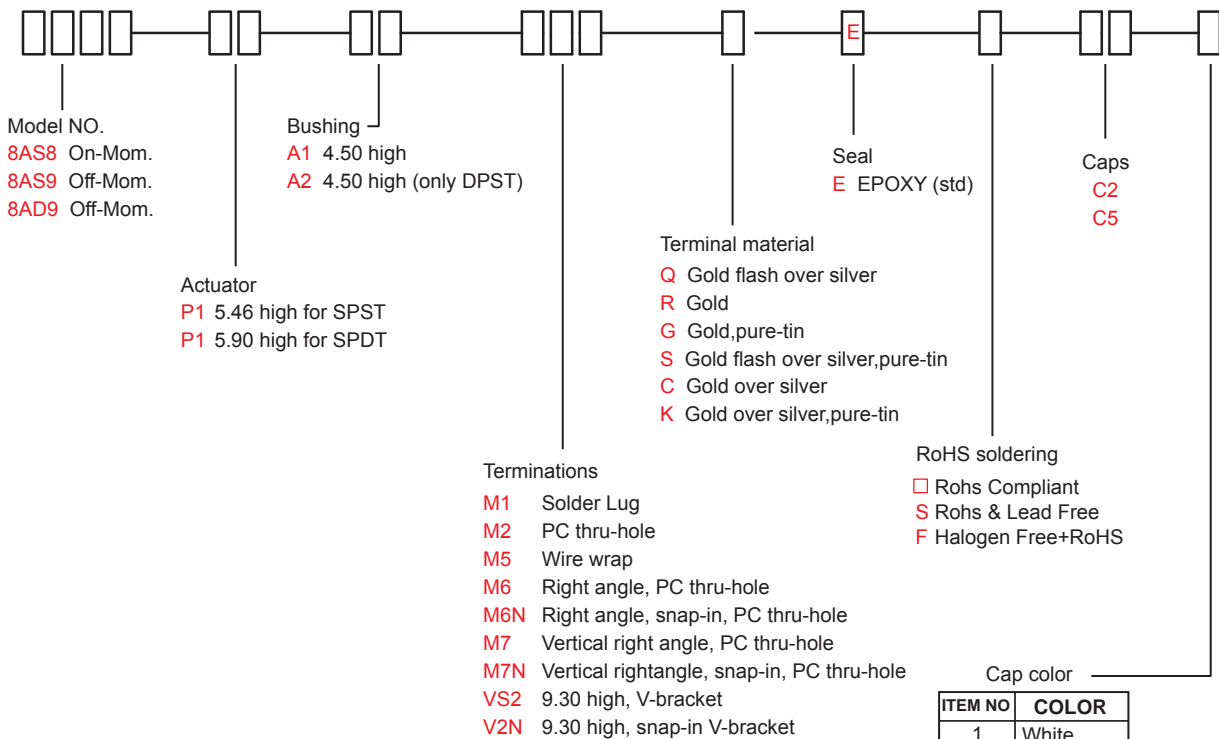
PLUNGER: Thermoplastic Polyester (UL 94V-0), with internal O-ring seal.

SWITCH SUPPORT: Brass or steel electrotin plated.

CONTACT: Copper alloy, with silver or gold plated.
(See Page 135)

HOW TO ORDER

MODEL NO. ACTUATOR BUSHING TERMINATIONS TERMINAL MATERIAL SEAL RoHS SOLDERING CAPS CAP COLOR
See below



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



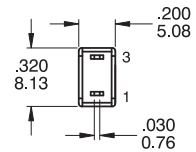
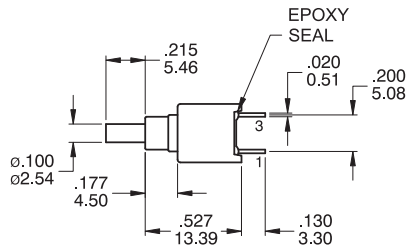
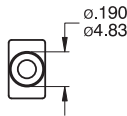
8A
Pushbutton Switches

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
DP	Q28A29	8AD9	OFF	MOM	OPEN	1-3,4-6

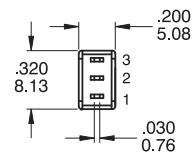
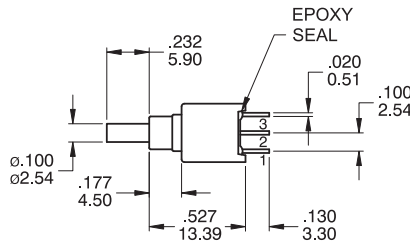
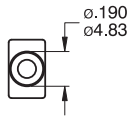
MOM=MOMENTARY

POLE OPTIONS



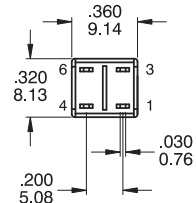
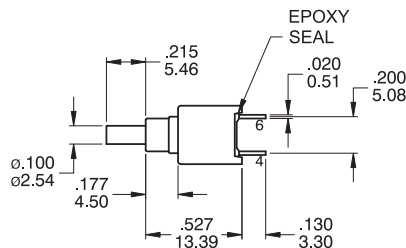
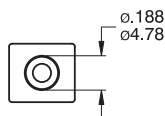
SPST

Part No. Shown : 8AS9P1A1M2RE



SPDT

Part No. Shown : 8AS8P1A1M2RE

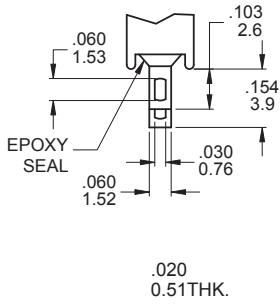


DPST

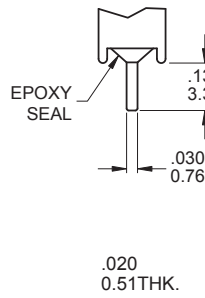
Part No. Shown : 8AD9P1A2M2RE

TERMINATION OPTIONS

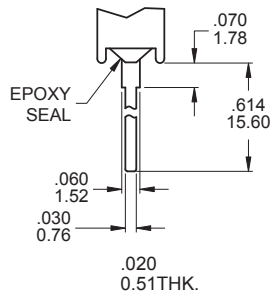
M1 Solder lug



M2 PC Thru-hole



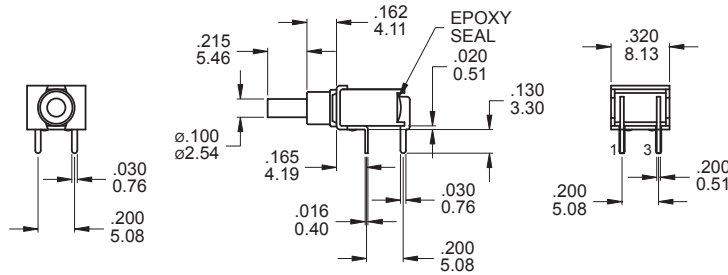
M5 Wire Wrap



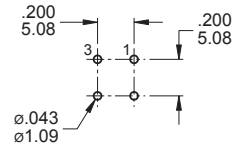
OTHER TERMINATION OPTIONS

- 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



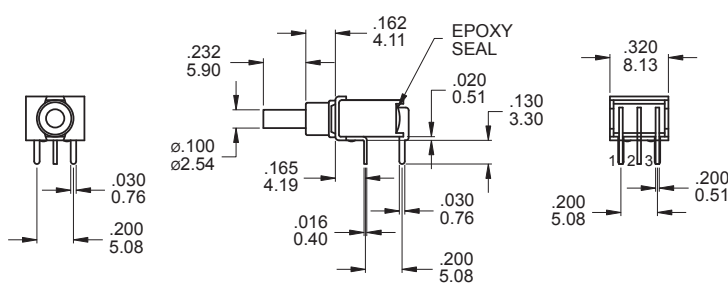
P.C. MOUNTING



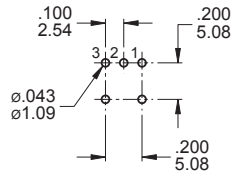
SPST

Part No. Shown : 8AS9P1A1M6RE

M6



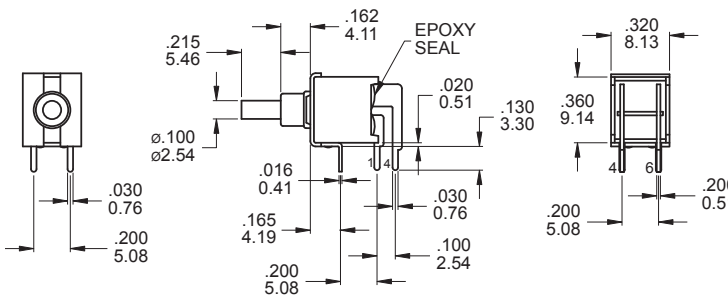
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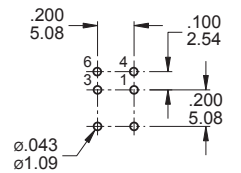
SPDT

Part No. Shown : 8AS8P1A1M6RE

M6



P.C. MOUNTING

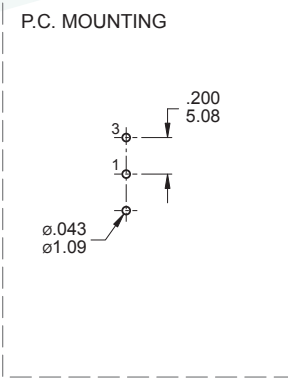
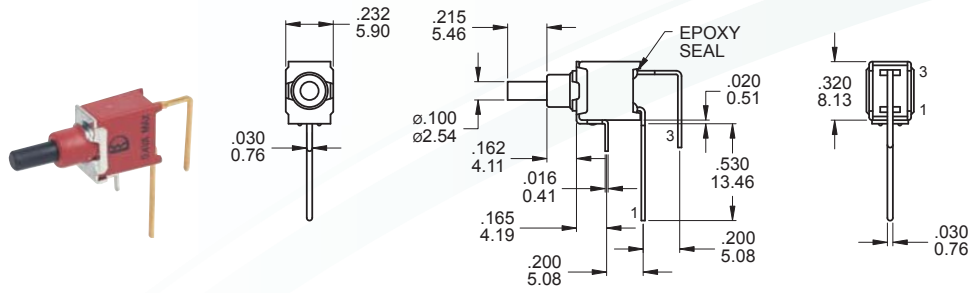


DPST

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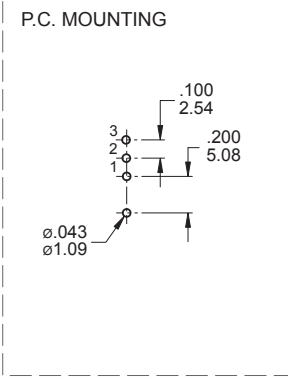
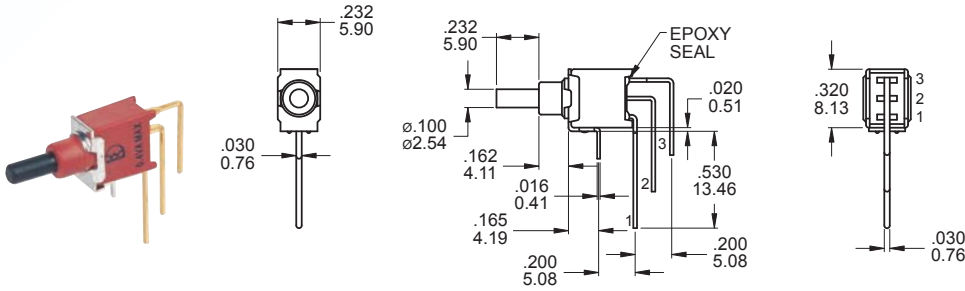
M7



SPST

Part No. Shown : 8AS9P1A1M7RE

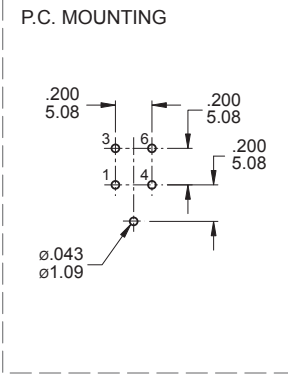
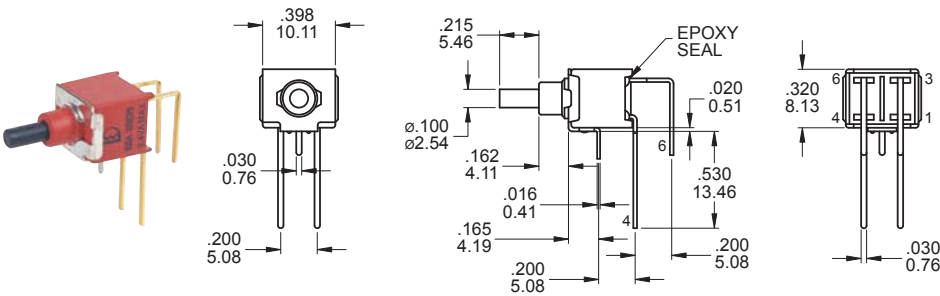
M7



SPDT

Part No. Shown : 8AS8P1A1M7RE

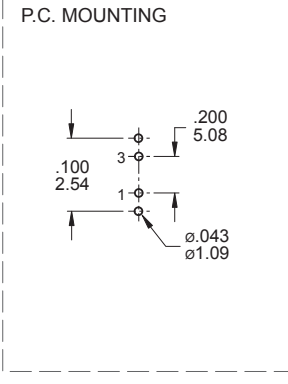
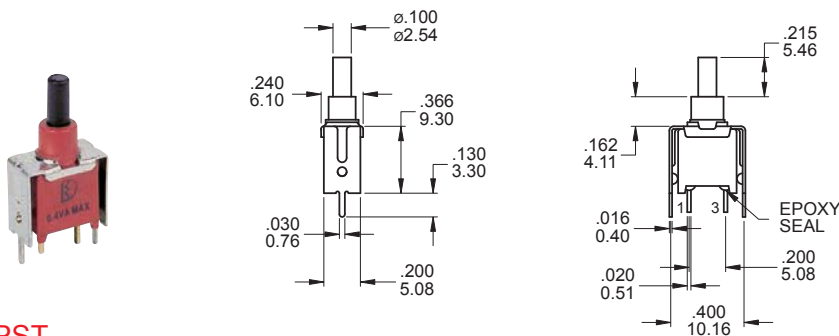
M7



DPST

Part No. Shown : 8AD9P1A2M7RE

VS2

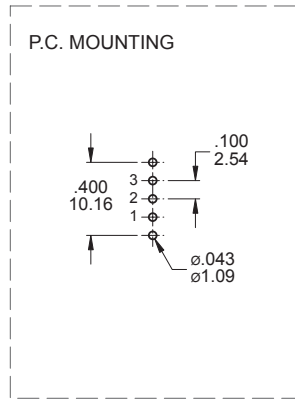
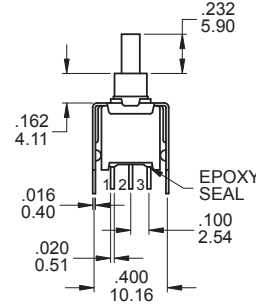
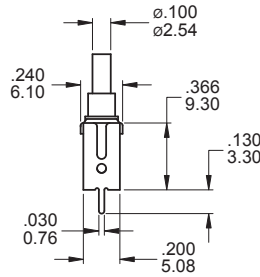


SPST

Part No. Shown : 8AS9P1A1VS2RE



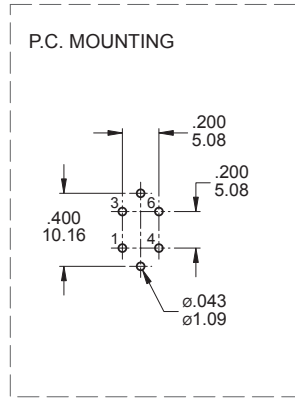
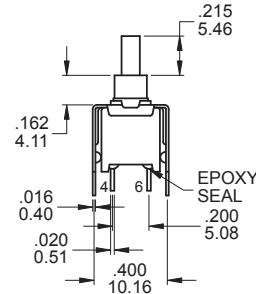
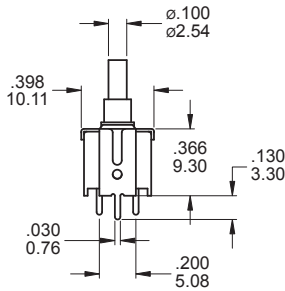
VS2



SPDT

Part No. Shown : 8AS8P1A1VS2RE

VS2



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)

