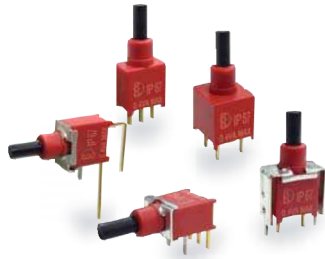


8A Series

Sealed Sub-Miniature Pushbutton Switches



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material See Page 125.

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 125)

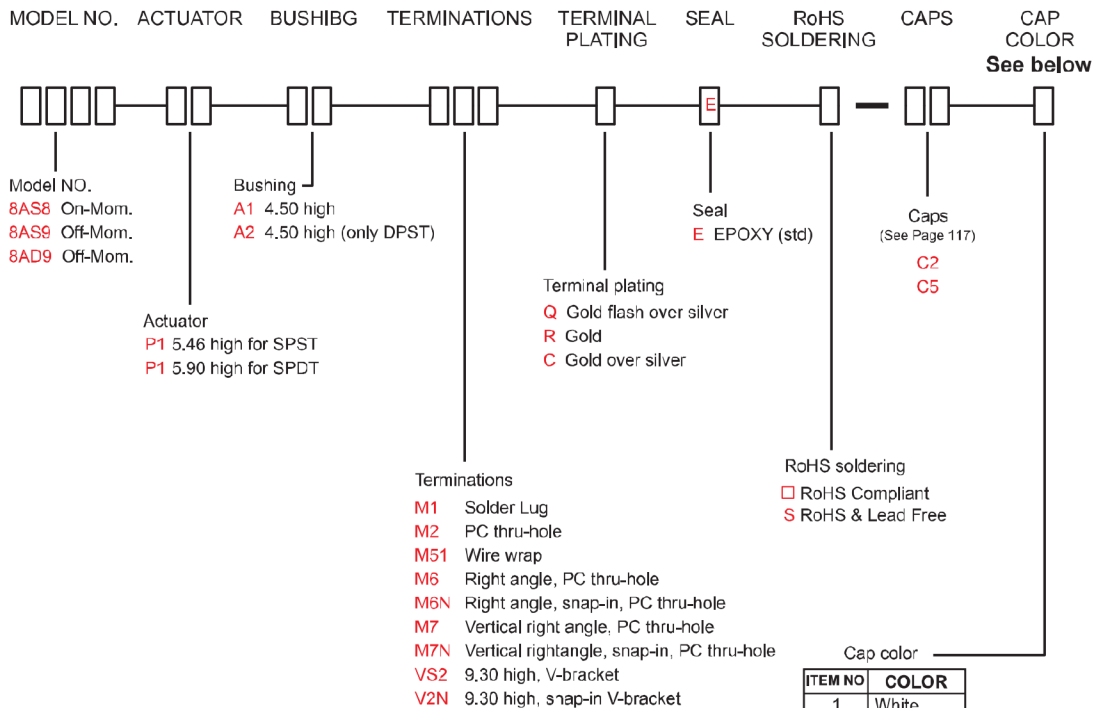
IP 67
ACCORDING TO
EN 60529
E 167430

UL US
E 167430

RoHS
compliant

Pb
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

* Besides standard color, other colors need to check stocks available.



8A
Pushbutton Switches

8A Series

Sealed Sub-Miniature Pushbutton Switches

SWITCH FUNCTION

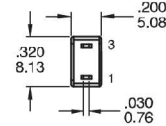
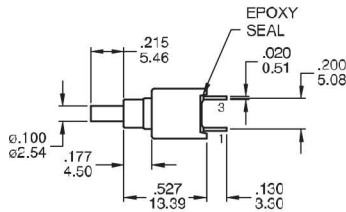
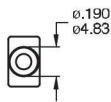
NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
			POS.1	POS.2	POS.1	POS.2
SP	Q28A18	8AS8	ON	MOM	2-1 NC 1 \swarrow ? (COMM) • 3 NO	2-3 NC 1 \swarrow ? (COMM) • 3 NO
	Q28A19	8AS9	OFF	MOM	OPEN	1-3 1 \uparrow 3
DP	Q28A29	8AD9	OFF	MOM	OPEN	1-3,4-6 1 \uparrow 3 4 \uparrow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

MOM=MOMENTARY



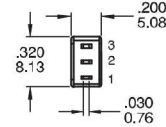
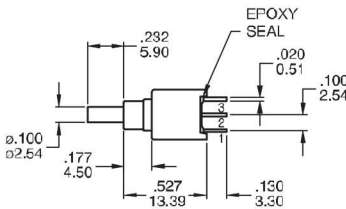
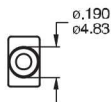
POLE OPTIONS

8A Pushbutton Switches



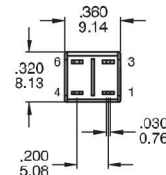
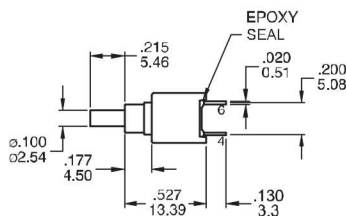
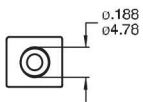
SPST

Part No. Shown : 8AS9P1A1M2RE



SPDT

Part No. Shown : 8AS8P1A1M2RE



DPST

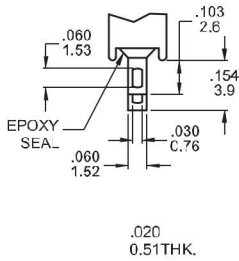
Part No. Shown : 8AD9P1A2M2RE

8A Series

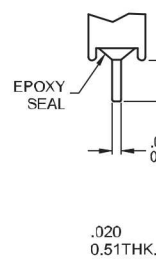
Sealed Sub-Miniature Pushbutton Switches

TERMINATION OPTIONS

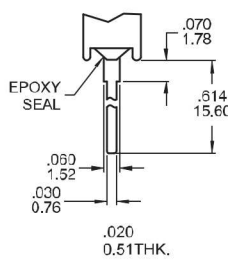
M1 Solder lug



M2 PC Thru-hole



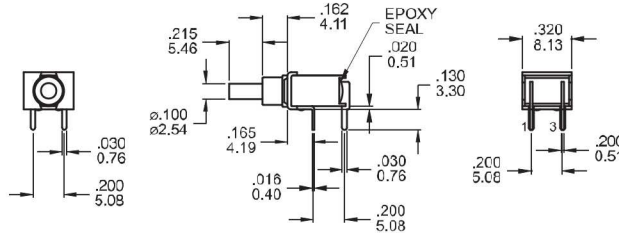
M51 Wire Wrap



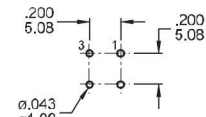
OTHER TERMINATION OPTIONS

- M6** Right angle P.C. Mount
- M6N** Right angle P.C. Mount With snap-in bracket
- M7** Right angle P.C. Mount
- M7N** Right angle P.C. Mount With snap-in bracket
- VS2** Vertical bracket P.C. Mount
- V2N** Vertical bracket P.C. Mount With snap-in bracket

M6



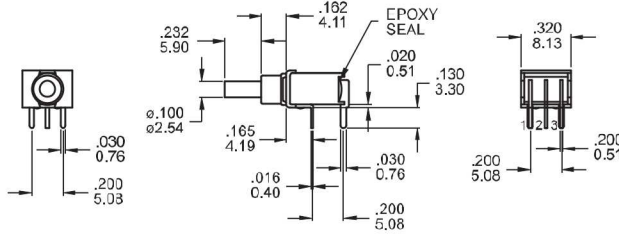
P.C. MOUNTING



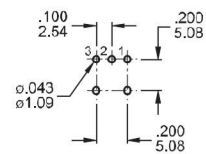
SPST

Part No. Shown : 8AS9P1A1M6RE

M6



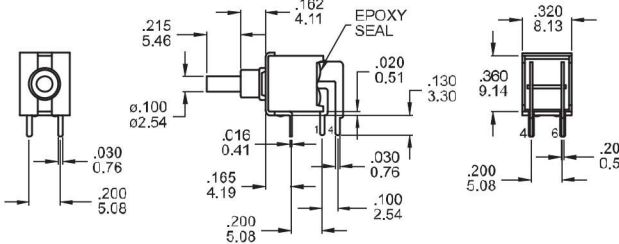
P.C. MOUNTING



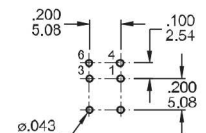
SPDT

Part No. Shown : 8AS8P1A1M6RE

M6



P.C. MOUNTING



DPST

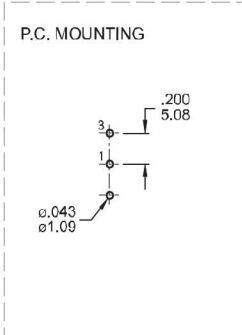
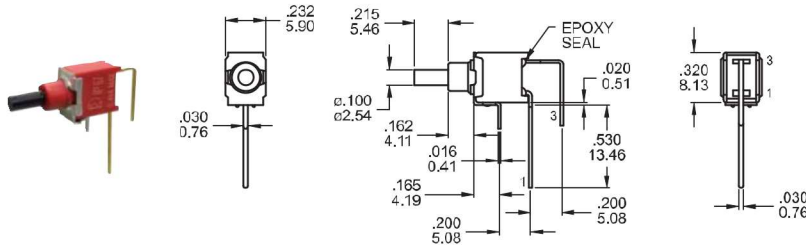
Part No. Shown : 8AD9P1A2M6RE

8A Pushbutton Switches

8A Series

Sealed Sub-Miniature Pushbutton Switches

M7

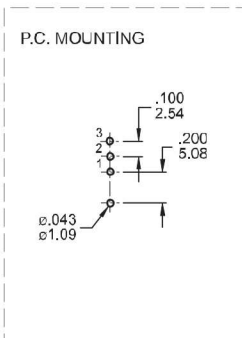
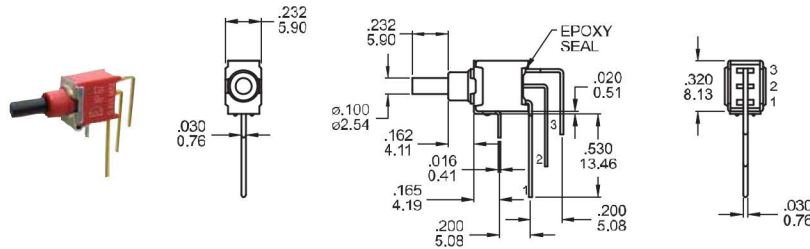


SPST

Part No. Shown : 8AS9P1A1M7RE

8A Pushbutton Switches

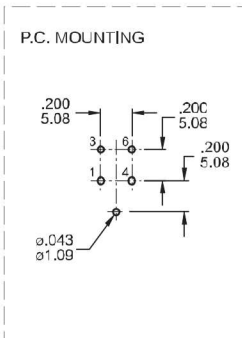
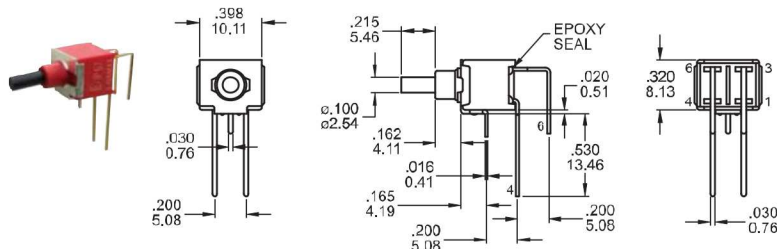
M7



SPDT

Part No. Shown : 8AS8P1A1M7RE

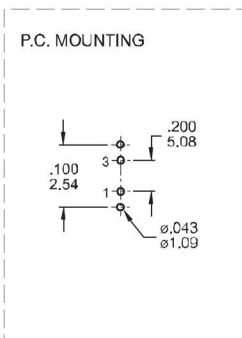
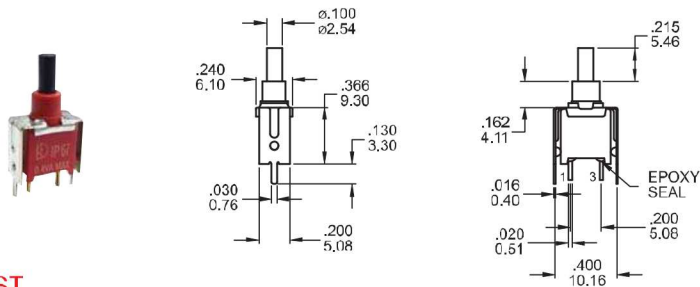
M7



DPST

Part No. Shown : 8AD9P1A2M7RE

VS2



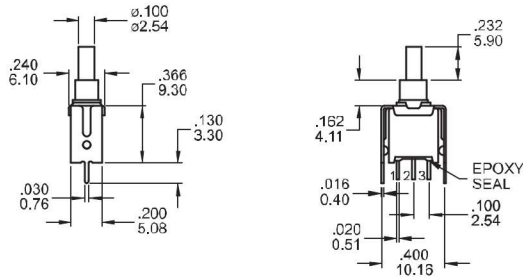
SPST

Part No. Shown : 8AS9P1A1VS2RE

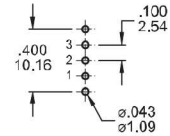
8A Series

Sealed Sub-Miniature Pushbutton Switches

VS2



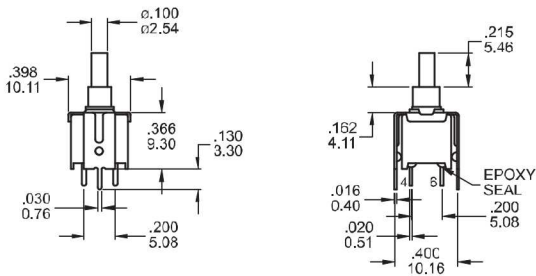
P.C. MOUNTING



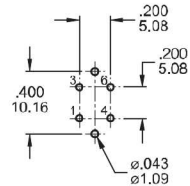
SPDT

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
C	Gold over Silver	C = Gold over silver	
R	Gold	R = Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

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: 270 ± 5°C

Duration of Solder Immersion: Max 5 sec. (PCB is 1.6mm in thickness)

8A Pushbutton Switches