

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:** -40°C to 85°C.

MATERIALS

- CASE & BUSHING:** Glass filled nylon 6/6, flame retardant, 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 60529:1981+A1:2001
IEC 60332:2001

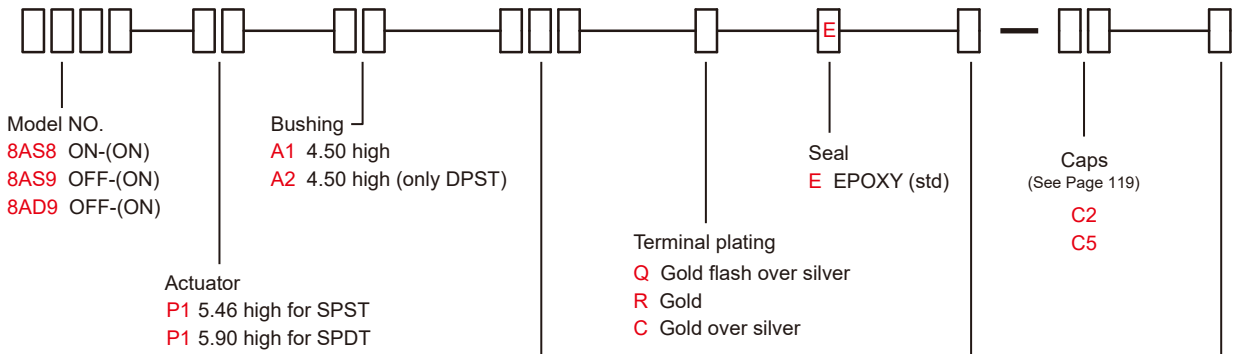
UL US
E 187490

RoHS
compliant

Pb
lead-free

HOW TO ORDER

MODEL NO. ACTUATOR BUSHIBG TERMINATIONS TERMINAL SEAL RoHS CAPS CAP
PLATING SOLDERING COLOR
See below



- Terminations
- M1 Solder Lug
 - M2 PC thru-hole
 - M51 Wire wrap
 - M6 Right angle, PC thru-hole
 - M6N Right angle, snap-in, PC thru-hole
 - M7 Vertical right angle, PC thru-hole
 - M7N Vertical rightangle, snap-in, PC thru-hole
 - VS2 9.30 high, V-bracket
 - V2N 9.30 high, snap-in V-bracket

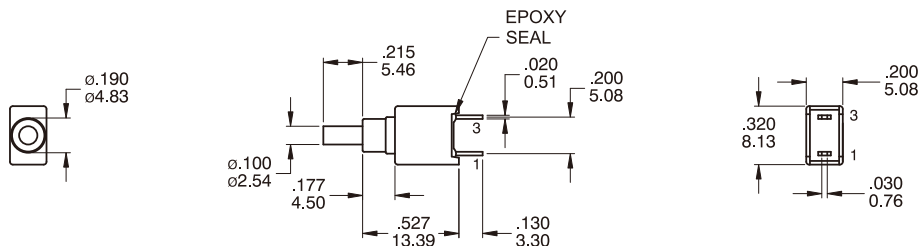
| ITEM NO | COLOR |
|---------|-------------|
| 1 | White |
| 2 | Black (Std) |
| 3 | Red |
| 4 | Orange |
| 5 | Yellow |
| 6 | Green |
| 7 | Blue |
| 8 | Brown |
| 9 | Gray |

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

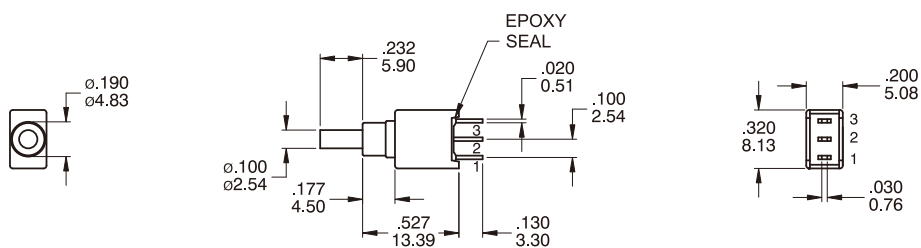
SWITCH FUNCTION

| 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 | (ON) | 2-1 | 2-3 |
| | Q28A19 | 8AS9 | OFF | (ON) | OPEN | 1-3 |
| DP | Q28A29 | 8AD9 | OFF | (ON) | OPEN | 1-3,4-6 |

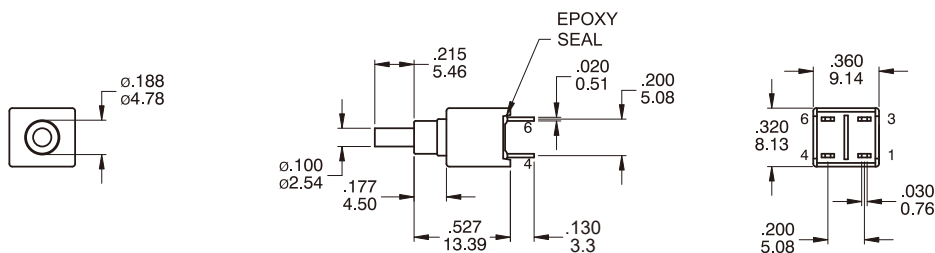
()=MOMENTARY

POLE OPTIONS

SPST

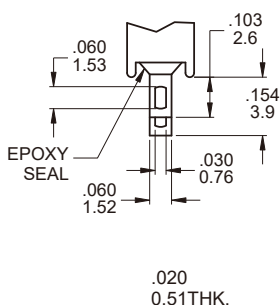
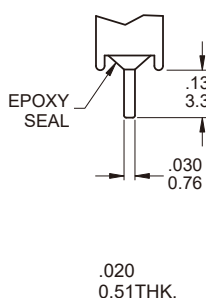
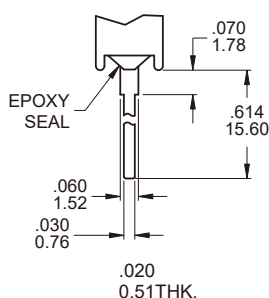
Part No. Shown : 8AS9P1A1M2RE


SPDT

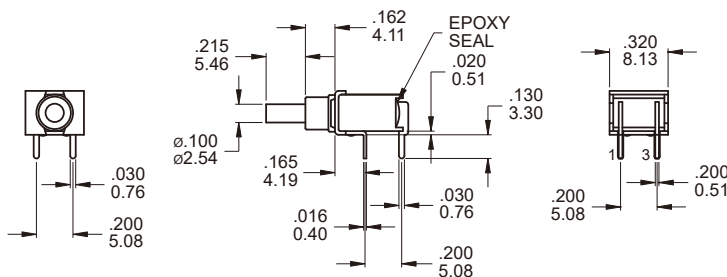
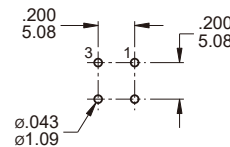
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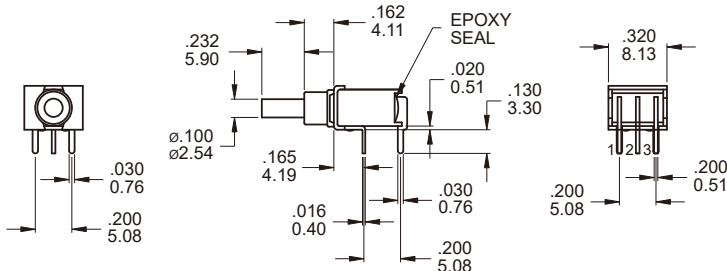
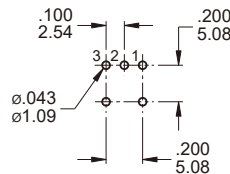
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TERMINATION OPTIONS
M1 Solder lug

M2 PC Thru-hole

M51 Wire Wrap

OTHER TERMINATION OPTIONS

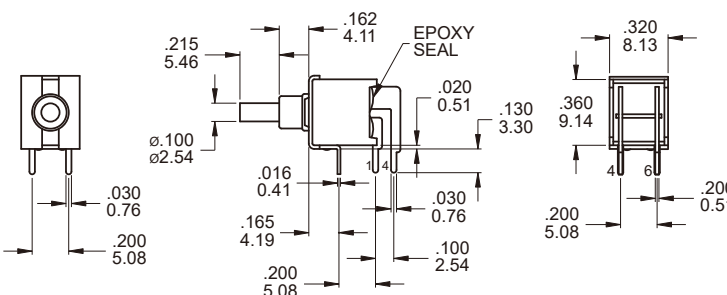
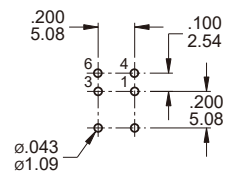
- M6** Right angle P.C. Mount
- M6N** Right angle P.C. Mount With snap-in bracket
- M7** Right angle P.C. Mount
- M7N** Right angle P.C. Mount With snap-in bracket
- VS2** Vertical bracket P.C. Mount
- V2N** Vertical bracket P.C. Mount With snap-in bracket

M6

P.C. MOUNTING

SPST

Part No. Shown : 8AS9P1A1M6RE

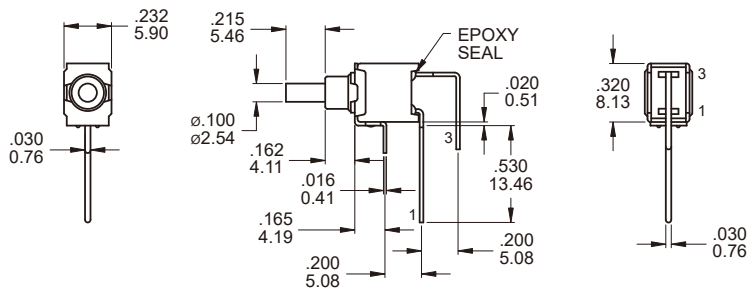
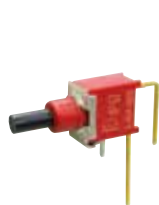
M6

P.C. MOUNTING

SPDT

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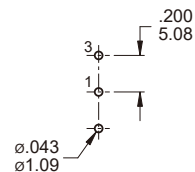
M6

P.C. MOUNTING

DPST

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M7



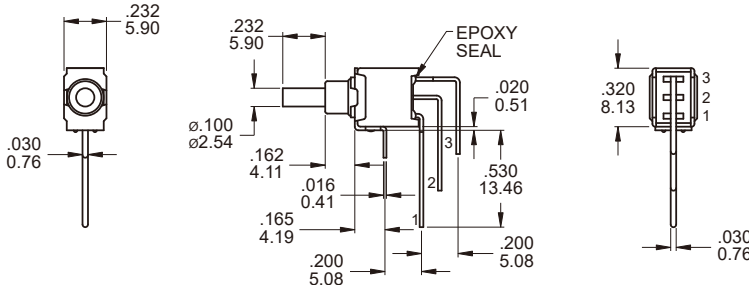
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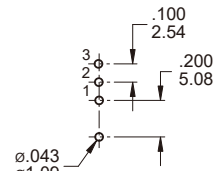
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M7



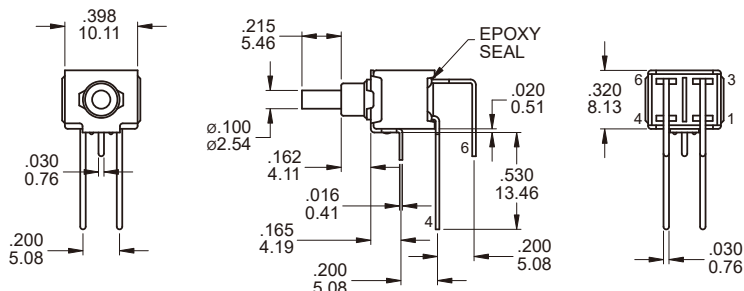
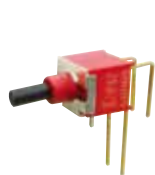
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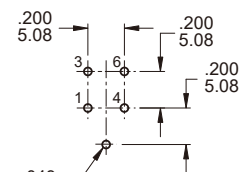
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M7



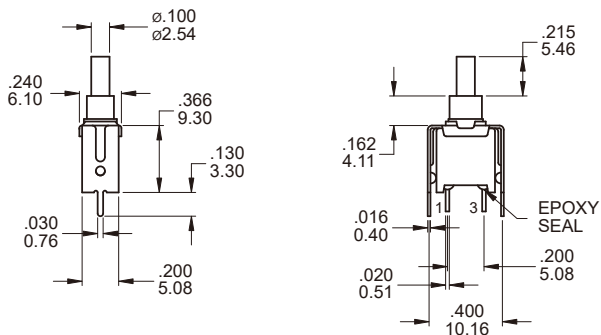
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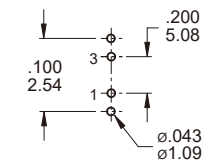
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VS2



P.C. MOUNTING

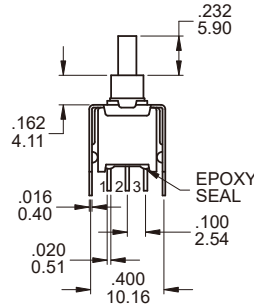
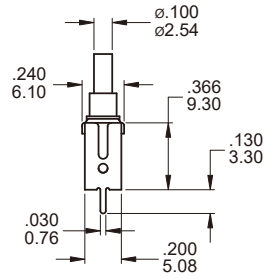


SPST

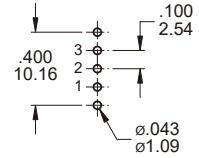
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VS2



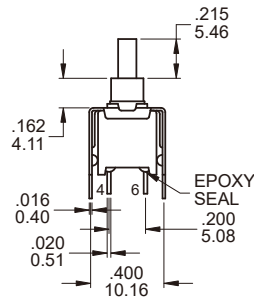
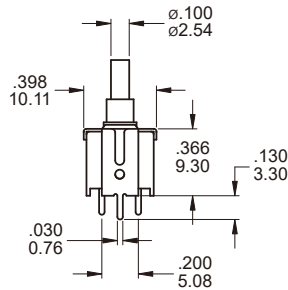
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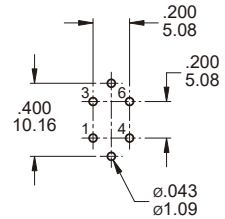
SPDT

Part No. Shown : 8AS8P1A1VS2RE

VS2



P.C. MOUNTING



DPST

Part No. Shown : 8AD9P1A2VS2RE

CONTACT MATERIAL OPTIONS

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