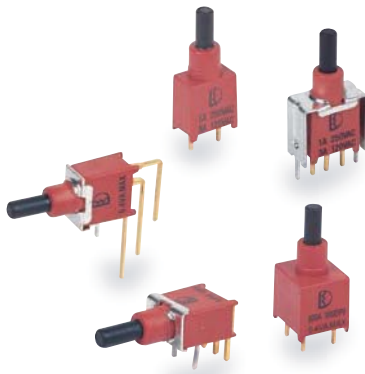




IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

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 retardant,
heat stabilized (UL94V-0).

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

SWITCH SUPPORT: Brass or steel electroplated.

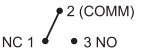
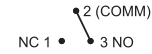
CONTACT: Copper alloy, with silver or gold plated.
(See Page 135)

HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	TERMINATIONS	TERMINAL MATERIAL	SEAL	RoHS SOLDERING	CAPS	CAP COLOR
Model NO. 8AS8 On-Mom. 8AS9 Off-Mom. 8AD9 Off-Mom.	Actuator P1 5.46 high for SPST P1 5.90 high for SPDT	Bushing A1 4.50 high A2 4.50 high (only DPST)	Terminations M1 Solder Lug M2 PC thru-hole M5 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	Terminal material Q Gold flash over silver R Gold G Gold, pure-tin S Gold flash over silver, pure-tin C Gold over silver K Gold over silver, pure-tin	Seal E EPOXY (std)	RoHS soldering □ RoHS Compliant S RoHS & Lead Free F Halogen Free+RoHS	Caps C2 C5	See below

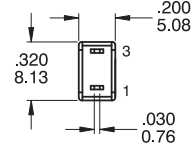
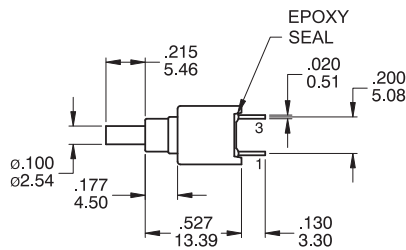
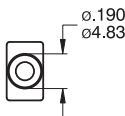
ITEM NO	COLOR
1	White
2	Black (Std)
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray

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 	2-3 
	Q28A19	8AS9	OFF	MOM	OPEN 	1-3 
DP	Q28A29	8AD9	OFF	MOM	OPEN 	1-3,4-6 

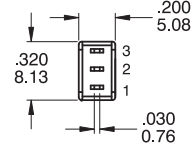
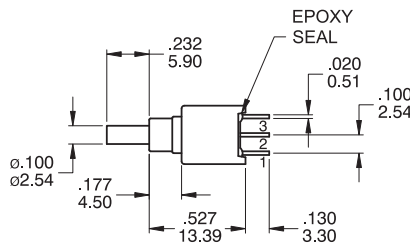
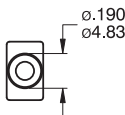
MOM=MOMENTARY

POLE OPTIONS



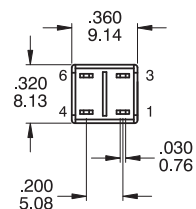
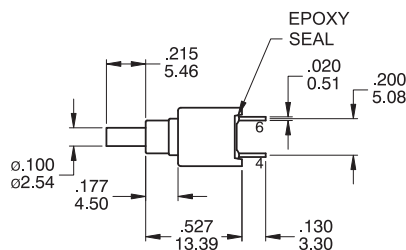
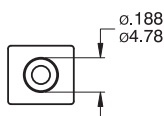
SPST

Part No. Shown : 8AS9P1A1M2RE



SPDT

Part No. Shown : 8AS8P1A1M2RE

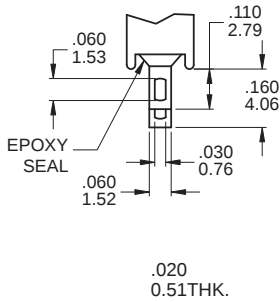


DPST

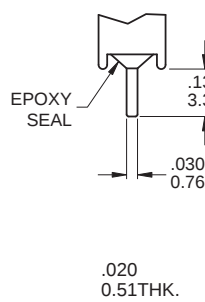
Part No. Shown : 8AD9P1A2M2RE

TERMINATION OPTIONS

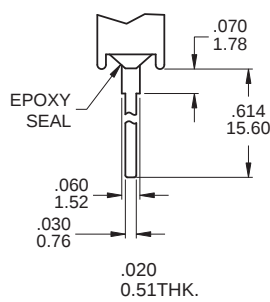
M1 Solder lug



M2 PC Thru-hole



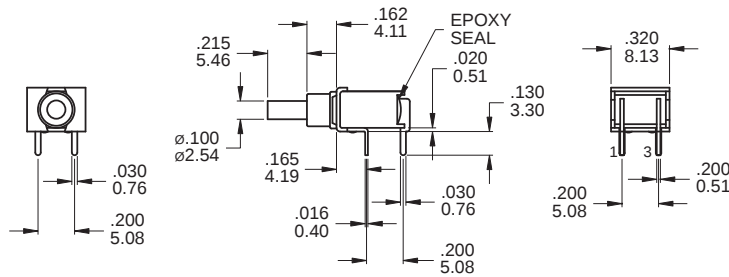
M5 Wire Wrap



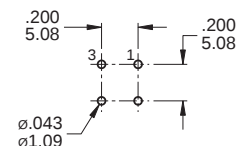
OTHER TERMINATION OPTIONS

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



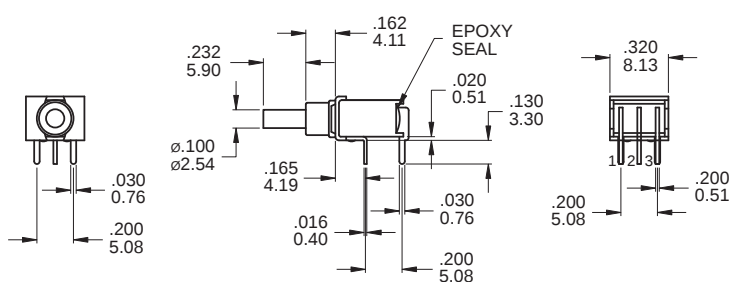
P.C. MOUNTING



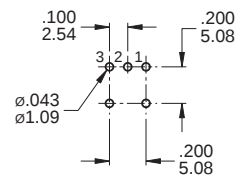
SPST

Part No. Shown : 8AS9P1A1M6RE

M6



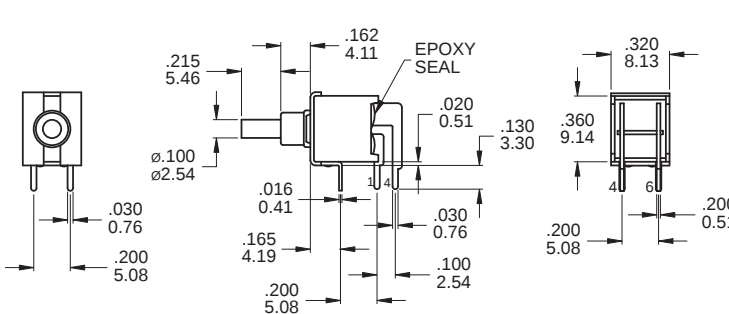
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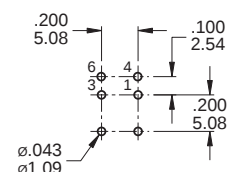
SPDT

Part No. Shown : 8AS8P1A1M6RE

M6



P.C. MOUNTING

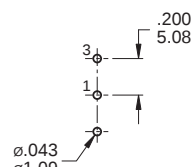


DPST

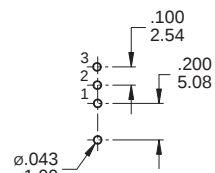
Part No. Shown : 8AD9P1A2M6RE



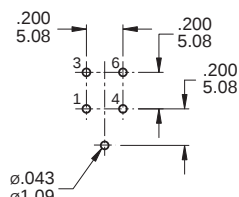
SPST



M7

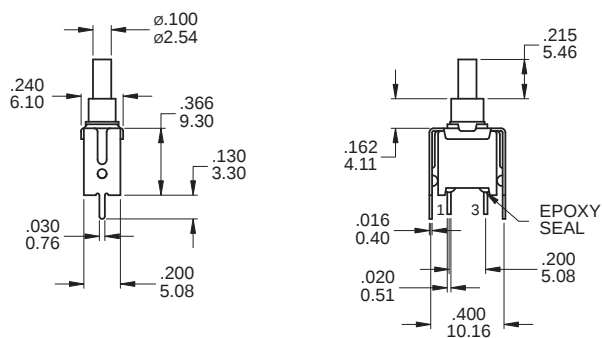


SPDT

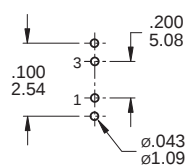


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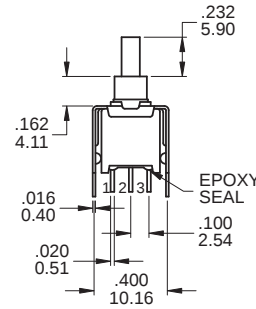
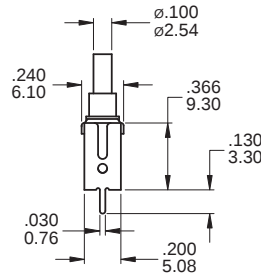
SPST



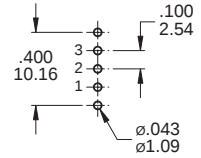
P.C. MOUNTING



VS2



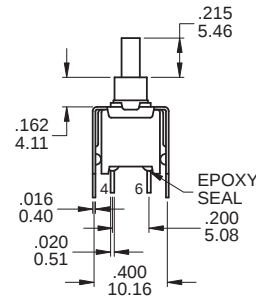
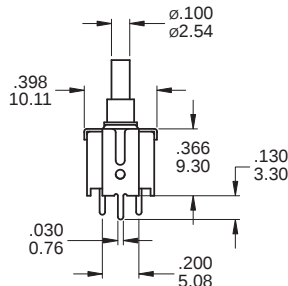
P.C. MOUNTING



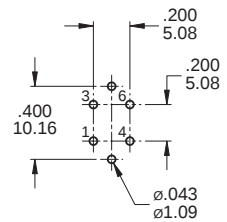
SPDT

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)

