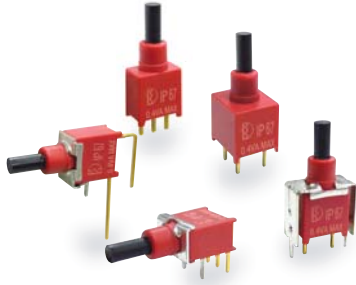




KSD

SWITCH CONNECTOR



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material, see page 124.

MECHANICAL LIFE: 50,000 make-and-break cycles.

CONTACT RESISTANCE: 20 mΩ max. (initial value) @ 2-4VDC
100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 MΩ min./1000VDC

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level. (initial value)

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), internal o-ring sealed.

SWITCH SUPPORT: Brass or steel electrotin plated.

CONTACT/TERMINAL: Copper or brass with silver or gold plated.
(See page 124)

HOW TO ORDER

MODEL NO.	PLUNGER	BUSHING	TERMINAL TYPE	TERMINAL PLATING	SEAL	RoHS SOLDERING
<u>SP</u> 8AS8 ON-(ON) 8AS9 OFF-(ON)	<u>P1</u> For 8AS8: 5.46 high For 8AS9/D9: 5.90 high	<u>A1</u> 4.50 high for SP <u>A2</u> 4.50 high for DP	<u>M1</u> Solder Lug <u>M2</u> PC thru-hole <u>M51</u> Wire wrap <u>M6</u> Right angle, PC thru-hole <u>M6N</u> Right angle, snap-in, PC thru-hole <u>M7</u> Vertical right angle, PC thru-hole <u>M7N</u> Vertical rightangle, snap-in, PC thru-hole *	<u>Q</u> Gold flash over silver <u>R</u> Gold <u>C</u> Gold over silver	<u>E</u> EPOXY (std)	<u>S</u> RoHS & Lead Free
<u>DP</u> 8AD9 OFF-(ON)						
<u>V-bracket</u> <u>VS2</u> 9.30 high <u>V2N</u> 9.30 high, snap-in *						

Note: Plunger cap options see page 118.

* Terminal M7N, V2N is not suitable for DP.

EXAMPLE: KSD-8AS8P1A1M2RES



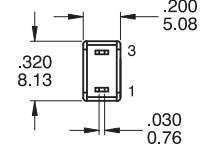
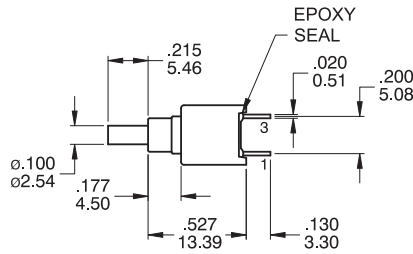
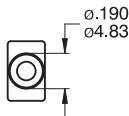
▼ SWITCH FUNCTION

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

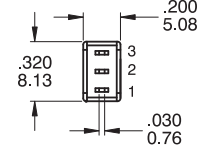
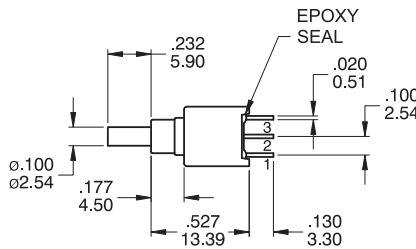
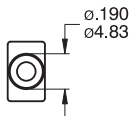
* Omit terminal 2
** Omit terminal 2 & 5

▼ POLE OPTIONS



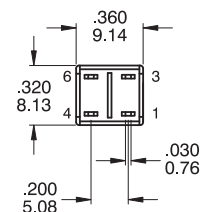
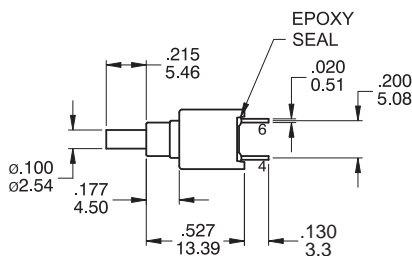
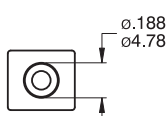
SPST

Model name. KSD-8AS9P1A1M2RES



SPDT

Model name. KSD-8AS8P1A1M2RES



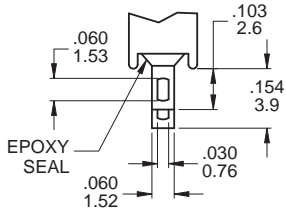
DPST

Model name. KSD-8AD9P1A2M2RES



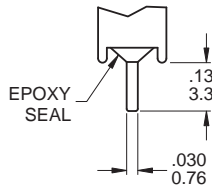
▼ TERMINAL OPTIONS

M1 Solder lug



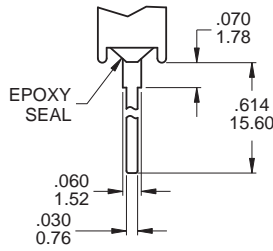
.020inch(0.51mm) THK.

M2 PC Thru-hole



.020inch(0.51mm) THK.

M51 Wire Wrap

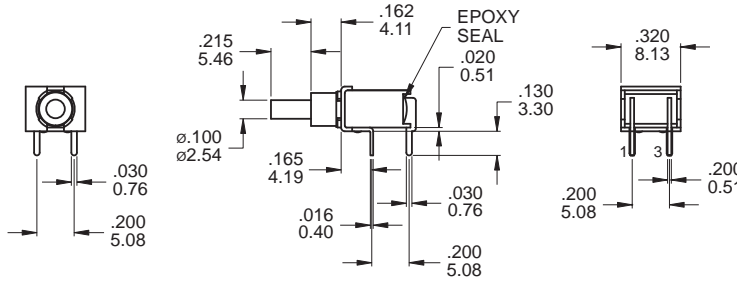


.020inch(0.51mm) THK.

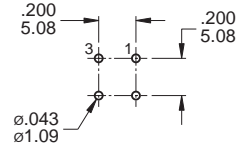
OTHER TERMINAL OPTIONS

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

M6 (M6N - Snap-in)



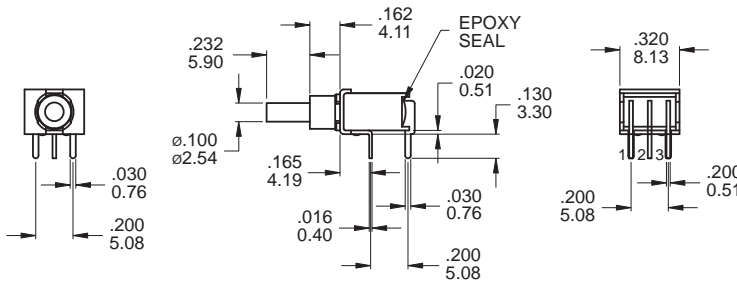
PCB MOUNTING



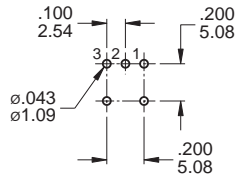
SPST

Model name. KSD-8AS9P1A1M6RES

M6 (M6N - Snap-in)



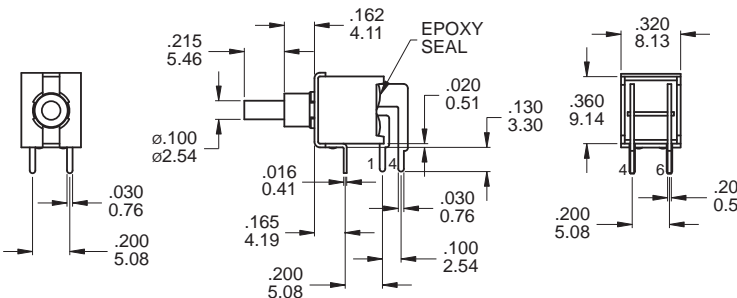
PCB MOUNTING



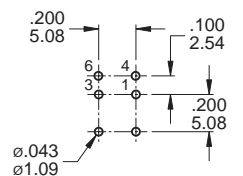
SPDT

Model name. KSD-8AS8P1A1M6RES

M6 (M6N - Snap-in)



PCB MOUNTING

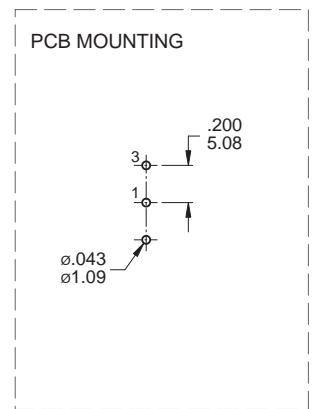
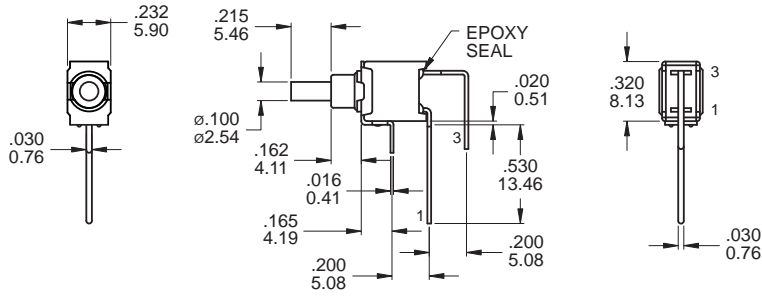


DPST

Model name. KSD-8AD9P1A2M6RES



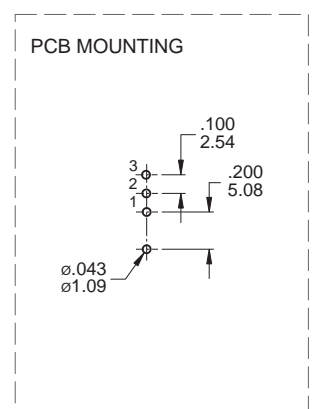
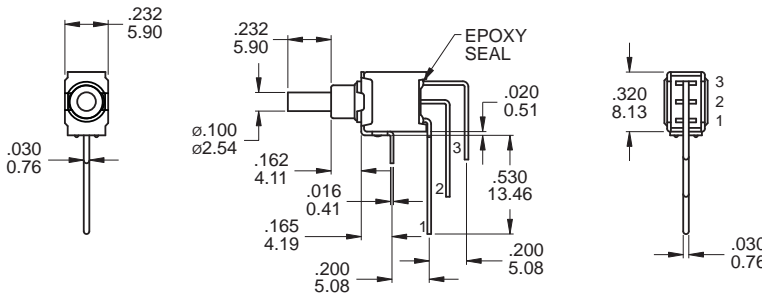
M7
(M7N - Snap-in)



SPST

Model name. KSD-8AS9P1A1M7RES

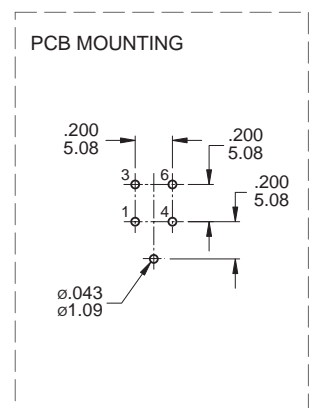
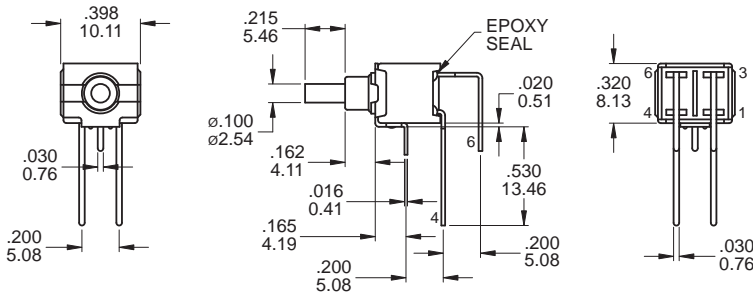
M7
(M7N - Snap-in)



SPDT

Model name. KSD-8AS8P1A1M7RES

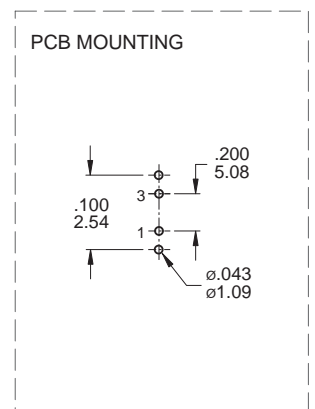
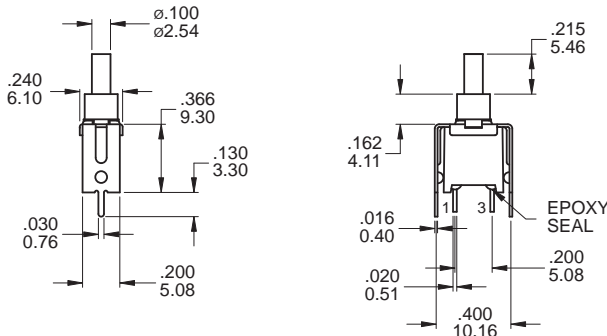
M7



DPST

Model name. KSD-8AD9P1A2M7RES

VS2
(V2N - Snap-in)



SPST

Model name. KSD-8AS9P1A1VS2RES



KSD-8A Series

Sealed Sub-Miniature Pushbutton Switches

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

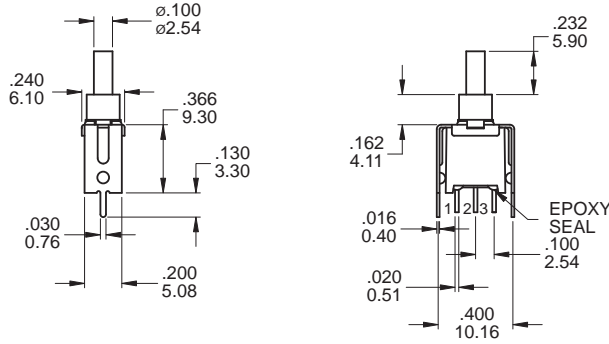
UL US
E 187490

RoHS
compliant

Pb
lead-free

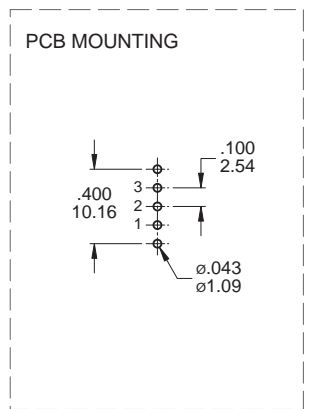
KSD-8A
Pushbutton Switches

VS2
(V2N - Snap-in)

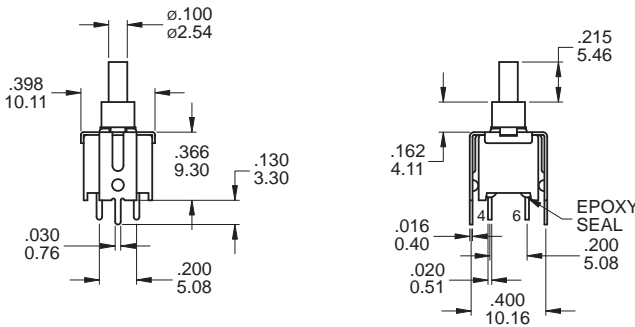


SPDT

Model name: KSD-8AS8P1A1VS2RES

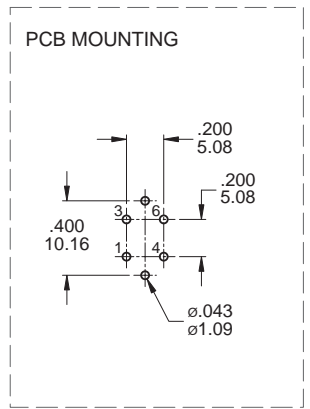


VS2



DPST

Model name: KSD-8AD9P1A2VS2RES

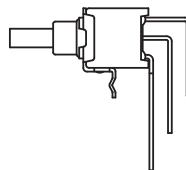
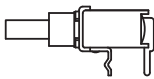


▼ SNAP-IN TERMINAL OPTIONS

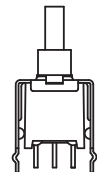
M6N



M7N *



V2N *



* Note: Terminal M7N, V2N is not suitable for DP.

▼ CONTACT & TERMINAL PLATING OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
C	Gold over Silver	Gold over silver	
R	Gold	Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

▼ SOLDERING PROCESS

MANUAL SOLDERING: Use 30 watts soldering iron and controlled the temperature at 350°.

Duration of solder immersion: Max. 5 sec.

WAVE SOLDERING: Recommend soldering temperature: 260 ± 5°C

Duration of solder immersion: Max. 5 sec. (PCB thickness is 1.6mm)