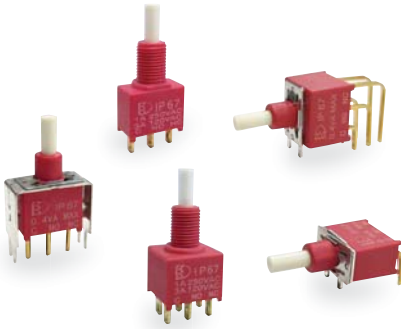




SPECIFICATIONS

CONTACT RATING: Dependent upon contact material. See page 110.

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.

CAP INSTALLATION FORCE: 10 lbs,max.permmissible.

MATERIALS

CASE & BUSHING : Glass filled Nylon 6/6, flame retardant, heat stabilized (UL 94v-0).

PLUNGER: Glass filled Nylon or Glass filled polyester (UL 94v-0).

SWITCH SUPPORT: Brass or steel, tin plate.

SWITCH SUPPORT RETAINER: Stainless steel.

CONTACTS : Phosphor bronze with silver coin.

ALL TERMINALS : Brass with silver or gold plated. (See page 110)

TERMINAL SEAL : Epoxy.

HOW TO ORDER

MODEL NO.	PLUNGER	BUSHING	TERMINAL TYPE	TERMINAL PLATING	SEAL	RoHS SOLDERING
SP 7AS7 ON-(ON)	P1 7.11 high (std) * P2 7.11 high (std) **	B10 8.80 high B40 6.10 high		Q Gold flash over silver R Gold C Gold over silver	E EPOXY (std)	S RoHS & Lead Free
DP 7AD7 ON-(ON)			M1 Solder Lug M2 PC thru-hole M6 Right angle, PC thru-hole *** M6N Right angle, snap-in, PC thru-hole *** M7 Vertical right angle, PC thru-hole *** V-bracket VS2 11.68 high *** V2N 11.68 high, snap-in *** VS3 16.00 high ***			

Note: Plunger cap options see page 105.

- * P1 plunger are only available with B40 bushing.
- ** P2 plunger are only available with B10 bushing.
- *** Terminal M6, M6N, M7 and VS2~3 can only be use with B40 bushing

EXAMPLE:

7AS7P1B40M1QES(STD)

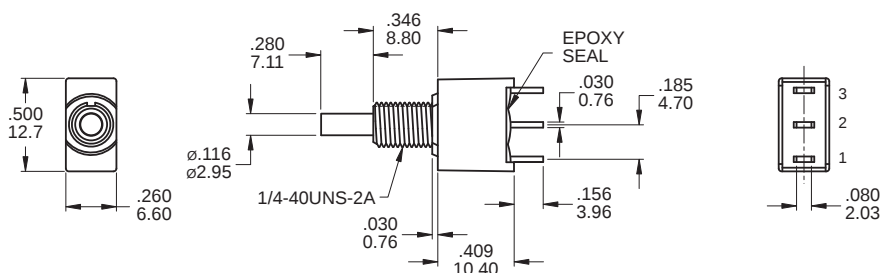
7AS7P2B10M1QES(STD)

▼ SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
		POS.1	POS.2	POS.1	POS.2
					
SP	7AS7	ON	(ON)	1-3 	1-2 
DP	7AD7	ON	(ON)	1-3,4-6 	1-2,4-5 

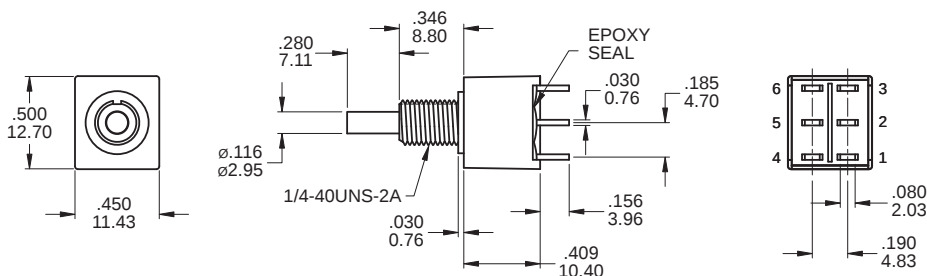
()=MOMENTARY

▼ POLE FUNCTION



SPDT

Model name. 7AS7P2B10M1OES

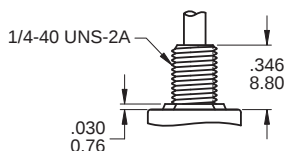


DPDT

Model name. 7AD7P2B10M1OES

▼ BUSHING OPTIONS

B10

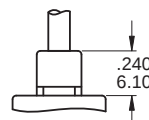


Only available for plunger P2

Note:

1. B10 is standard for terminal M1
2. Standard hardware see page 105.

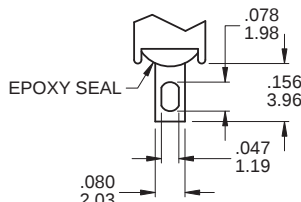
B40



Only available for plunger P1
Note: B40 is standard for terminal
M6, M6N, M7 and VS2~3.

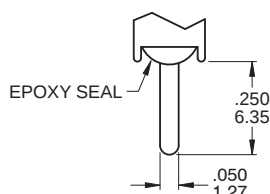
▼ TERMINAL OPTIONS

M1 Solder lug



.030inch(0.76mm)THK

M2 PC Thru-hole



.030inch(0.76mm)THK

OTHER TERMINAL OPTIONS

M6 Right angle P.C. Mount

M6N Right angle P.C. Mount, Snap-in bracket

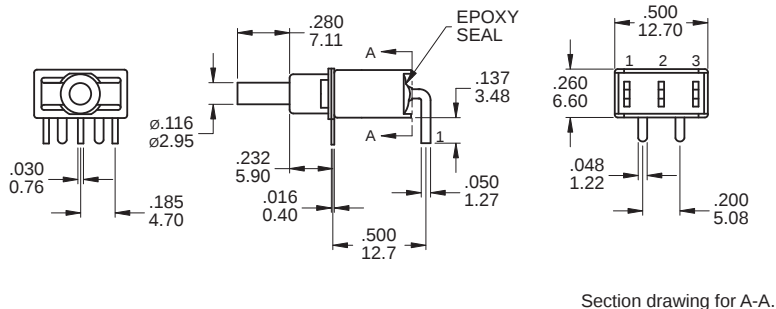
M7 Right angle P.C. Mount

VS2 Vertical bracket P.C. Mount

V2N Vertical bracket P.C. Mount, Snap-in bracket

VS3 Vertical bracket P.C. Mount

M6 (M6N - Snap-in)

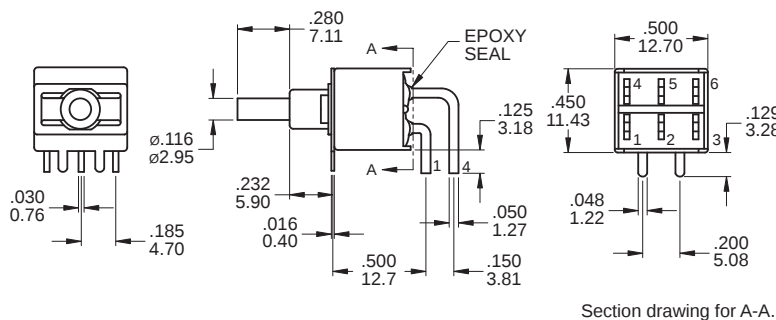


PCB MOUNTING

SPDT

Model name. 7AS7P1B40M6RES

M6 (M6N - Snap-in)

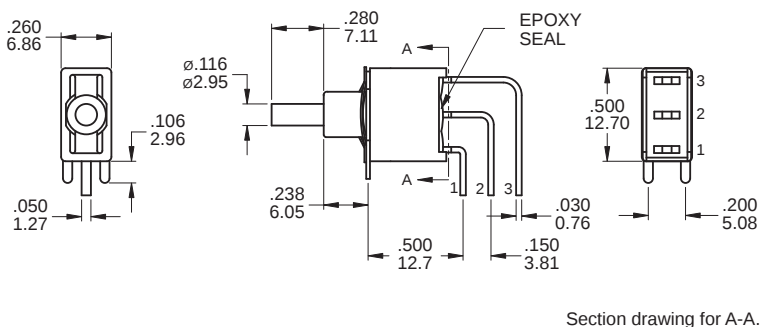


PCB MOUNTING

DPDT

Model name. 7AD7P1B40M6RES

M7

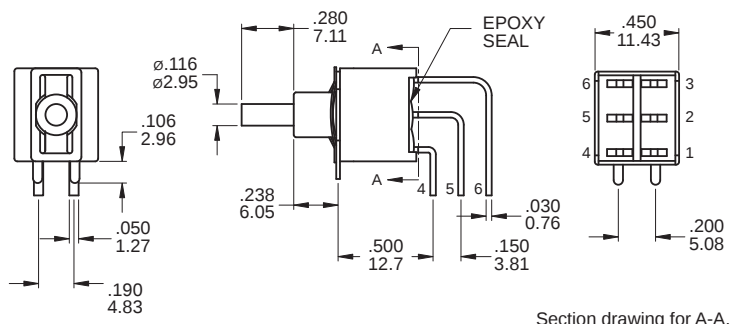


PCB MOUNTING

SPDT

Model name. 7AS7P1B40M7RES

M7



PCB MOUNTING

DPDT

Model name. 7AD7P1B40M7RES



7A Series

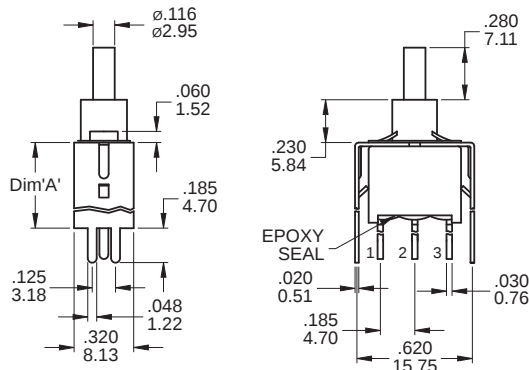
Sealed Snap-Acting Pushbutton Switches

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



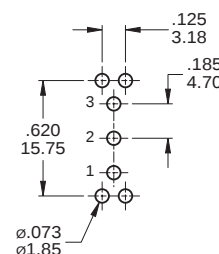
7A Pushbutton Switches

VS2 - VS3
(V2N - Snap-in)



OPTION CODE	DIM. 'A'
VS2 (V2N)	.460 11.68
VS3	.630 16.00

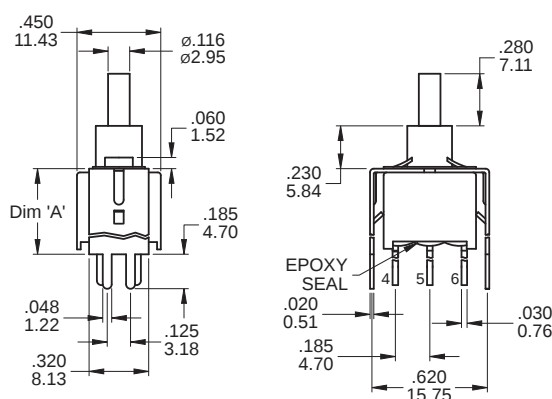
PCB MOUNTING



SPDT

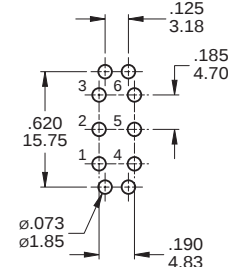
Model name. 7AS7P1B40VS2RES

VS2 - VS3
(V2N - Snap-in)



OPTION CODE	DIM. 'A'
VS2 (V2N)	.460 11.68
VS3	.630 16.00

PCB MOUNTING

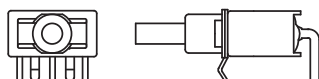


DPDT

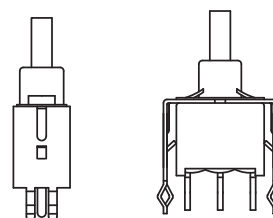
Model name. 7AD7P1B40VS2RES

▼ SNAP-IN TERMINAL OPTIONS

M6N



V2N



▼ 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)