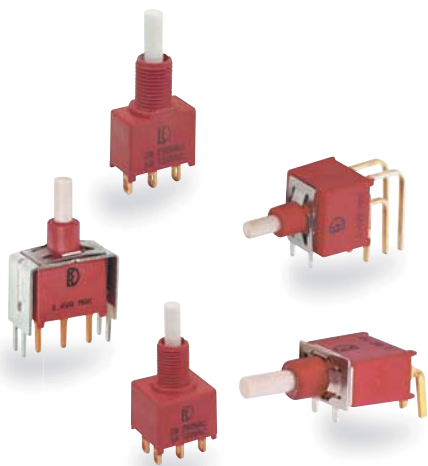




IP 67
ACCORDING TO
EN 60529:1989+A1:2001
IEC 60529:2001

SPECIFICATIONS

CONTACT RATING: Dependent upon contact material see page 111.

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.

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 fille polyester (UL 94v-0).

SWITCH SUPPORT: Brass or steel, tin plate.

SWITCH SUPPORT RETAINER: Stainless steel.

N.O.&N.C. CONTACTS : Brass, with silver or gold plate over nickel plate.

COMMON CONTACTS & ALL TERMINALS :

Copper alloy, with silver or gold plated. (See Page 111)

TERMINAL SEAL : Epoxy.

HOW TO ORDER

MODEL NO.	BUSHING	TERMINATIONS	CONTACT MATERIAL	SEAL	ROHS SOLDERING	CAPS	CAP COLOR
				E			
MODEL NO. 7AS7 On-Mom 7AD7 On-Mom	BUSHING B10 8.80 high B40 6.10 high	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 VS2 11.68 high, V-bracket V2N 11.68 high, snap-in V-bracket VS3 16.00 high, V-bracket VS4 11.68 high, V-bracket VS5 16.00 high, V-bracket	CONTACT MATERIAL Q Silver R Gold G Gold,pure-tin S 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 C1 C2 C3 C4 C5	CAP COLOR See below

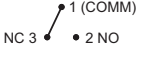
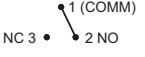
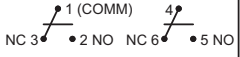
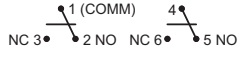
CAP COLOR
See below

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



7A
Pushbutton Switches

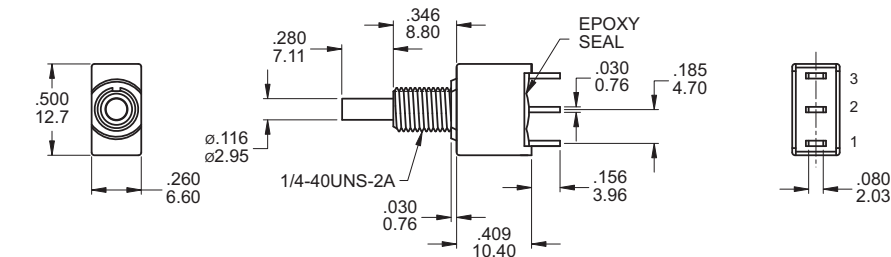
SWITCH FUNCTION

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

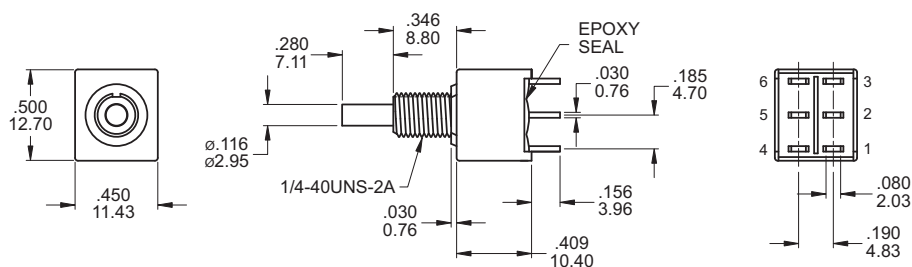
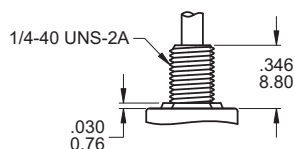
MOM=MOMENTARY

POLE OPTIONS**SPDT**

Part No. Shown : 7AS7P2B10M1QE

**DPDT**

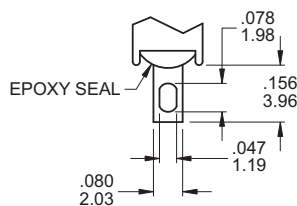
Part No. Shown : 7AD7P2B10M1QE

**BUSHING OPTIONS****B10**

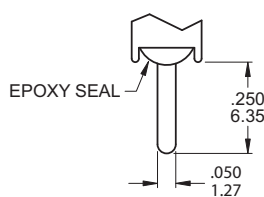
Std for M1

B40

Std for M2, M6, M7, VS termination

TERMINATION OPTIONS**M1 SOLDER LUG**

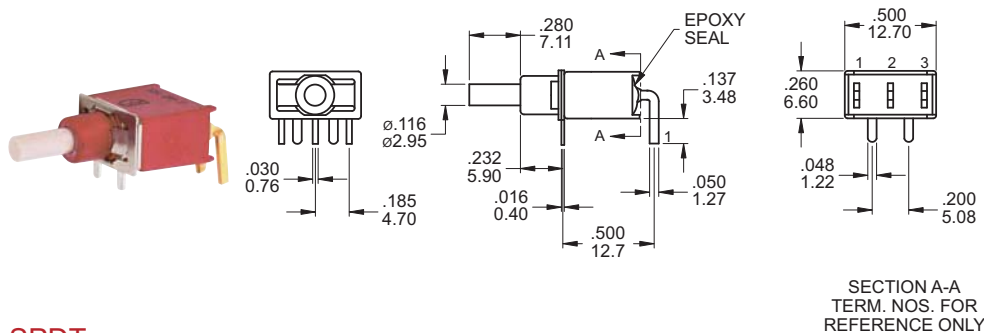
THK .030(0.76)

M2 PC THRU-HOLE

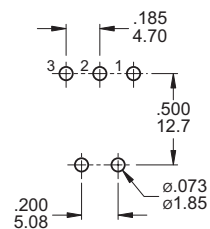
THK .030(0.76)

M6 RIGHT ANGLE P.C. MOUNT**M7 RIGHT ANGLE P.C. MOUNT****VS2 VERTICAL BRACKET P.C. MOUNT****VS3 VERTICAL BRACKET P.C. MOUNT**7A
Pushbutton Switches

M6



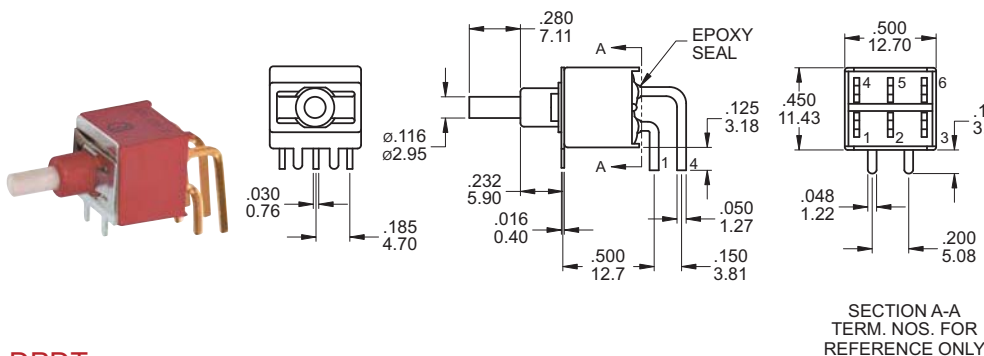
P.C. MOUNTING



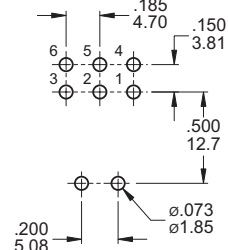
SPDT

Part No. Shown : 7AS7B40M6RE

M6



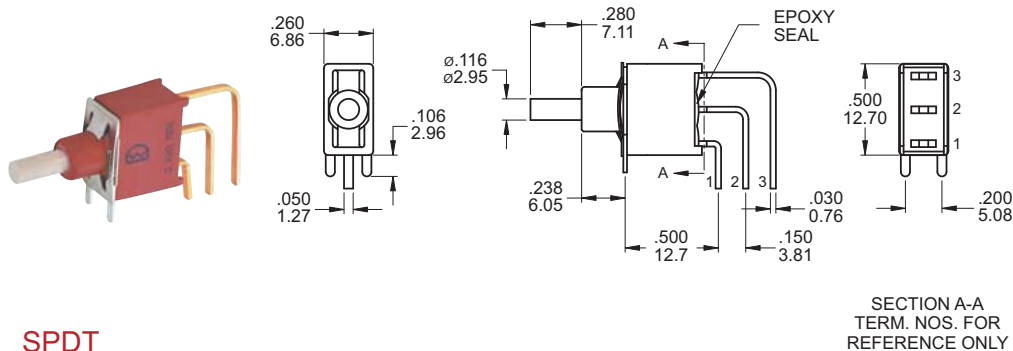
P.C. MOUNTING



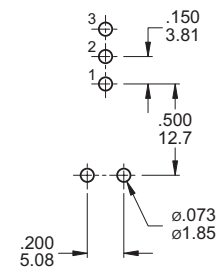
DPDT

Part No. Shown : 7AD7B40M6RE

M7



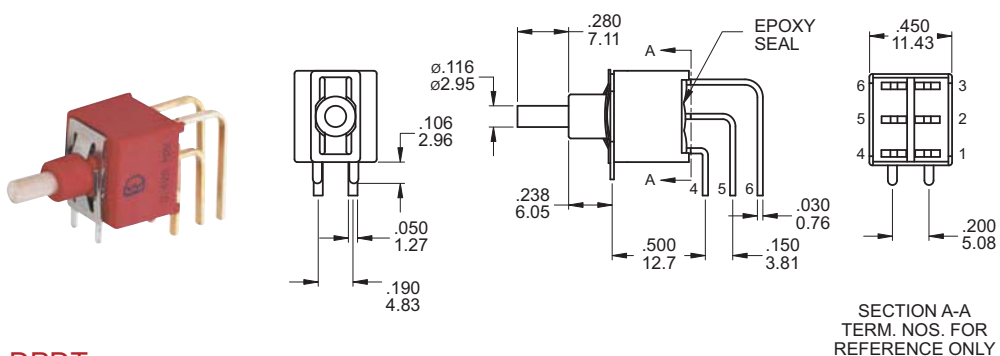
P.C. MOUNTING



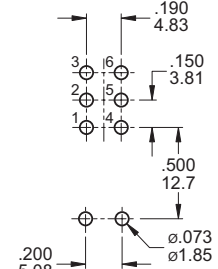
SPDT

Part No. Shown : 7AS7B40M7RE

M7



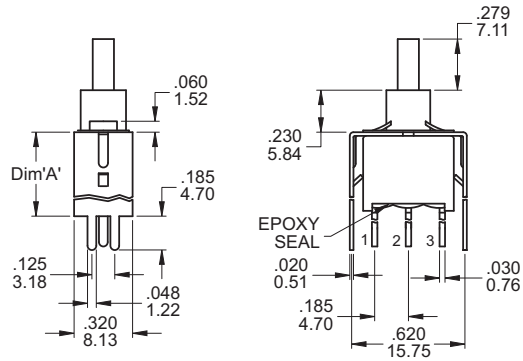
P.C. MOUNTING



DPDT

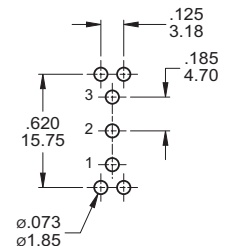
Part No. Shown : 7AD7B40M7RE

VS2 - VS3



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

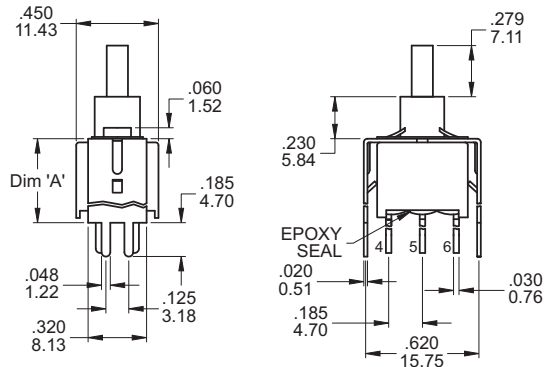
P.C. MOUNTING



SPDT

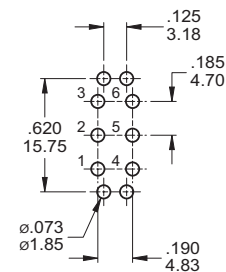
Part No. Shown : 7AS7B40VS2RE

VS2 - VS3



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

P.C. MOUNTING



DPDT

Part No. Shown : 7AD7B40VS2RE

SNAP-IN TERMINATION OPTIONS

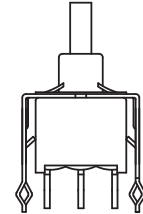
M6N



M7N



V2N



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)

SOLDERING : Vapor phase