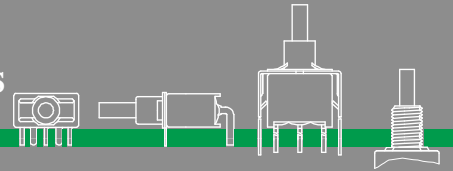


Sealed Snap-Acting Pushbutton Switches - PUS series



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material. See [Contact Plating & Ratings](#).

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

CONTACT RESISTANCE: 20mΩ 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.

CAP INSTALLATION FORCE: 10 lbs, max. permissible.

DEGREE OF PROTECTION: IP67

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.

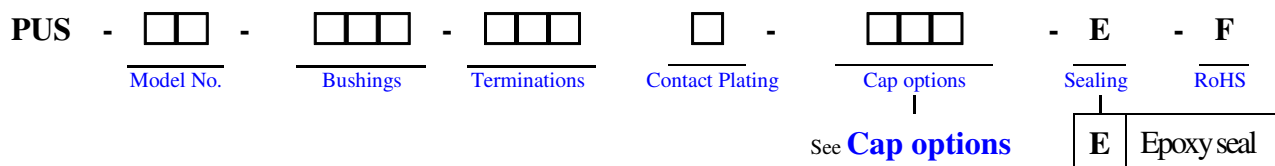
SWITCH SUPPORT RETAINER: Stainless steel.

CONTACTS : Phosphor bronze with silver coin.

ALL TERMINALS : Brass, with silver or gold plated. See [Contact Plating & Ratings](#).

TERMINAL SEAL : Epoxy.

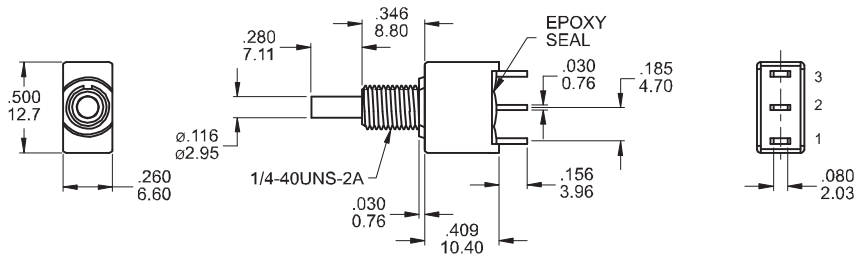
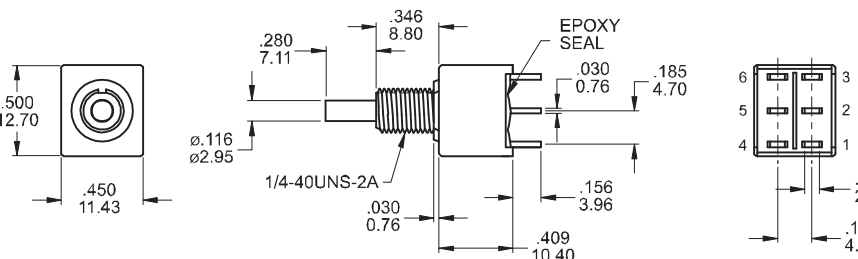
PART NUMBERING SYSTEM



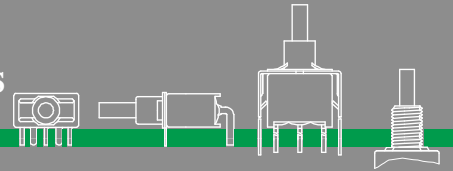
Model No./ Switching function

() = Momentary

Unit: Inch/ mm

SPDT			Part No. Shown: PUS-S7-B10-M1□E-F	
Model No.	Switching function		SPDT	
				
S7	On	(On)		
Connected terminals	1-3	1-2		
Schematic	1 Comm. NC 3 2 NO	1 Comm. NC 3 2 NO		
DPDT			Part No. Shown: PUS-D7-B10-M1□E-F	
Model No.	Switching function		DPDT	
				
D7	On	(On)		
Connected terminals	1-3, 4-6	1-2, 4-5		
Schematic	1 Comm. NC 3 2 NO NC 6 5 NO	1 Comm. NC 3 2 NO NC 6 5 NO		

Sealed Snap-Acting Pushbutton Switches - PUS series



Plungers, Bushings

Unit: Inch/ mm

B10 Threaded(Std.) For M1 Termination	B40 Unthreaded(Std.) For M2, M6□, M7, V□□ Termination

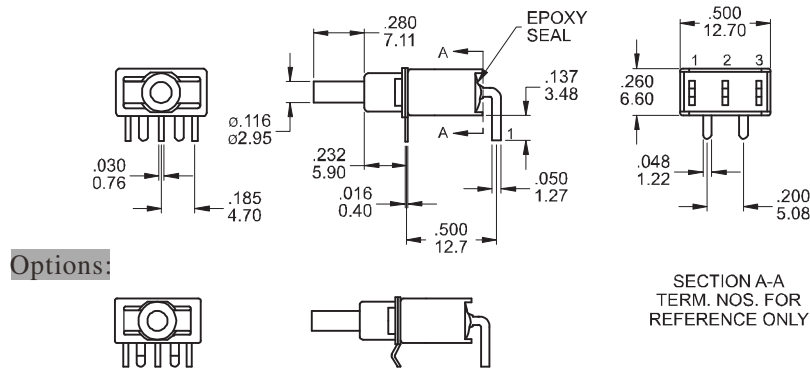
Terminations

Unit: Inch/ mm

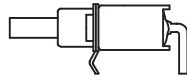
M1 Solder	M2 PCB

M6□ Right angle P.C. Mount

Part No. Shown: PUS-S7-B40-M6□□E-F
SPDT

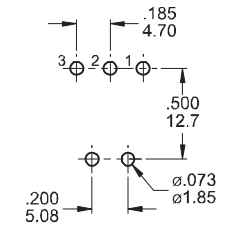


Options:

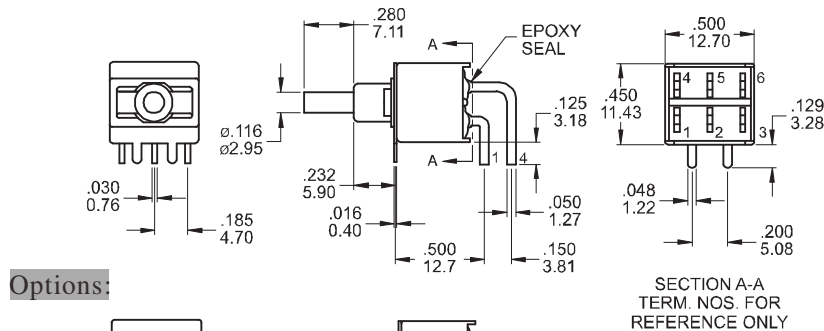


M6N Snap-in

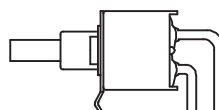
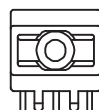
P. C. B. Layout



Part No. Shown: PUS-D7-B40-M6□□E-F
DPDT

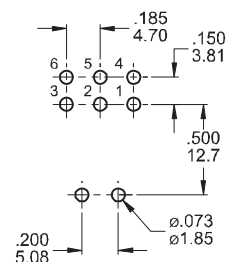


Options:

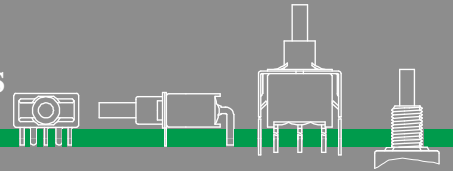


M6N Snap-in

P. C. B. Layout



Sealed Snap-Acting Pushbutton Switches - PUS series



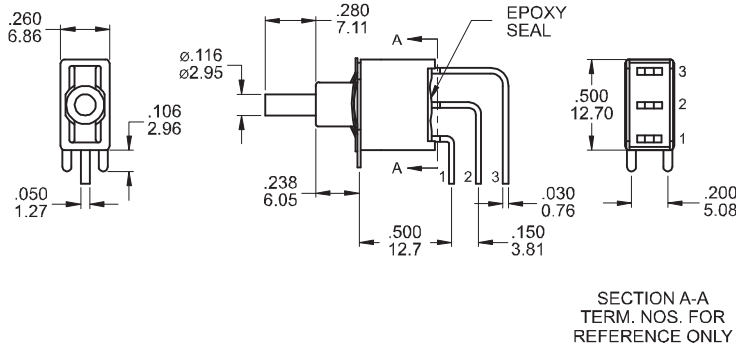
Terminations

Unit: Inch/ mm

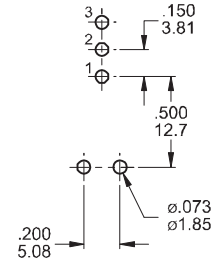
M7 Vertical right angle P.C. Mount

Part No. Shown: PUS-S7-B40-M7□E-F

SPDT

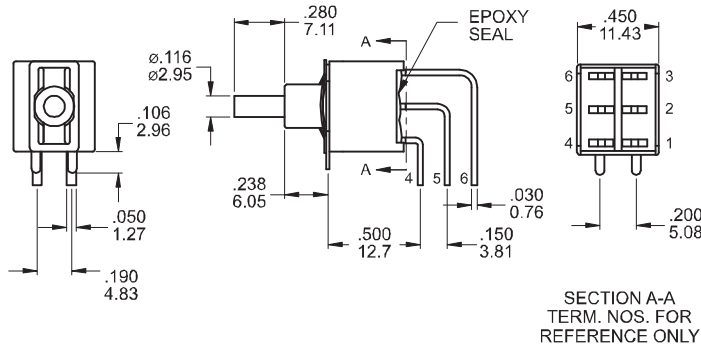


P. C. B. Layout

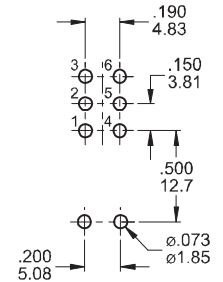


Part No. Shown: PUS-D7-B40-M7□E-F

DPDT



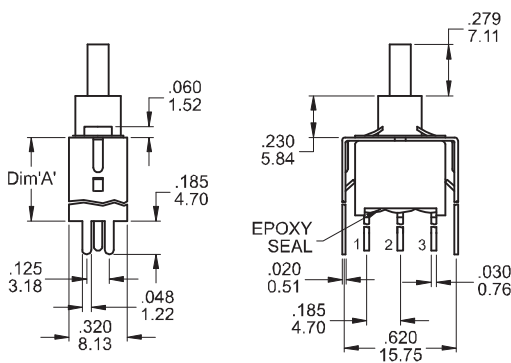
P. C. B. Layout



V□□ Vertical bracket P.C. Mount

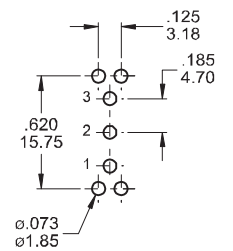
Part No. Shown: PUS-S7-B40-V□□□E-F

SPDT



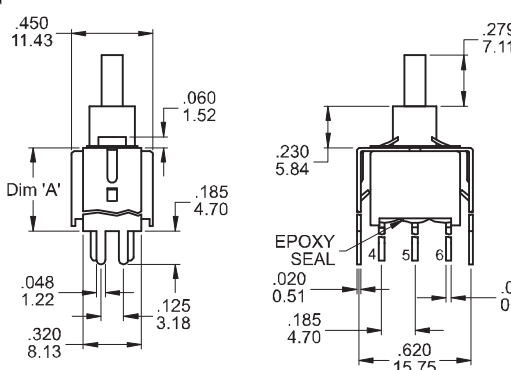
Option Code	Dim. 'A'
V2□	.460 11.68
V3	.630 16.00

P. C. B. Layout



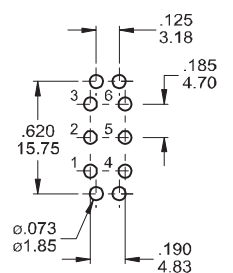
Part No. Shown: PUS-D7-B40-V□□□E-F

DPDT

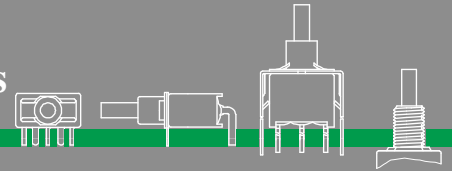


Option Code	Dim. 'A'
V2□	.460 11.68
V3	.630 16.00

P. C. B. Layout



Sealed Snap-Acting Pushbutton Switches - PUS series



Contact Plating & Ratings

Option code	Contact plating	Terminal plating	Ratings
G	Gold	Gold	0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)
S	Silver	Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
A	Gold over silver	Gold over silver	

SOLDERING PROCESSES

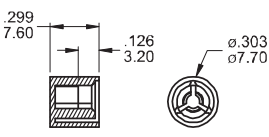
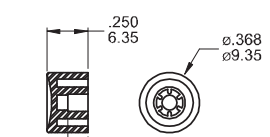
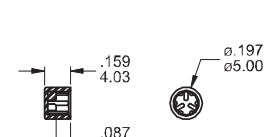
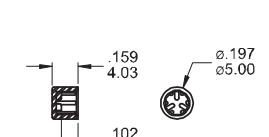
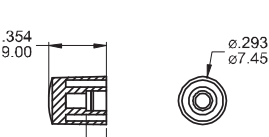
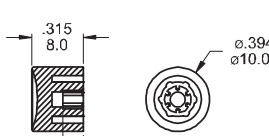
Manual soldering: Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

Wave soldering: Recommended soldering temperature: 270 ± 5°C.

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

Cap options

Unit: Inch/ mm

C1	C2	C3	C4	C6		
						
C7	Cap color					
		Plunger only	4	Orange	7	Blue
	1	White(STD.)	5	Yellow	8	Brown
	2	Black(STD.)	6	Green	9	Gray
	3	Red(STD.)	Besides standard color, consult sales representatives in advance.			