



RoHS Compliant

Specifications

Electrical Ratings	3A @ 120VAC, 28VDC 1A @ 250VAC See Contact Options
Electrical Life	50,000 cycles typical
Contact Resistance	<20mΩ initial @ 2-4VDC, 100mA

Dielectric Strength	1500Vrms min
Insulation Resistance	>100MΩ min
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
Sealing Degree	IP67

Materials

Actuator	Thermoplastic Polyester
Housing	Diallyl Phthalate (DAP)
Cover	Stainless Steel
Bushing	Brass, Nickel Plated
Contacts	Cooper Alloy, Silver Plated
Terminals	Brass, Silver Plated

Ordering Information

1. Series	BNP	1	1	S	C	Q	E
BNP							
2. Number of Poles 1 = Single Pole							
3. Switch Function 0 = OFF - (ON) For SPST Only 1 = ON - (ON) For SPDT Only							
4. Bushing Blank = Panel Mount Frame S / U = 5.59mm, 10-48UNS / Non-threaded, flat T = 5.59mm, Non-threaded, round V / V1 = 7.87mm, 1/4-40NS / Non-threaded, flat S9 = 3.20mm, Actuator only							
5. Terminals B = Solder Lug C = PC pin H = Horizontal mount, right angle PC pin; HS = Snap in V = Vertical mount, right angle PC pin; VS = Snap in A5 = PC pin with support bracket; A5S = Snap in support bracket							
6. Contacts Q = Silver plated R = Gold plated G = Gold over Silver plated							
7. Epoxy Seal E = Epoxy Seal							
8. Cap / Frame C84 C85 C87 Only used with V & V1 bushings F86 = Snap in panel mount with frame	Actuator Cap / Frame Colors See cap options for color availability						

BNP

Sub-Miniature Pushbutton

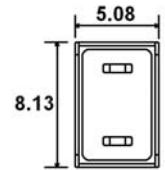
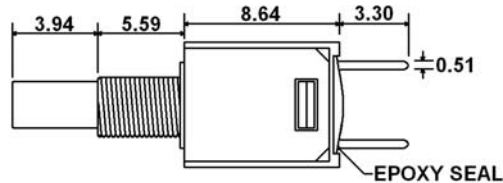
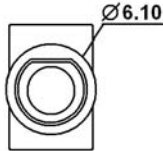
Switch Function



SPST



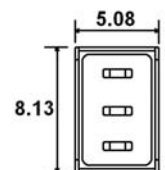
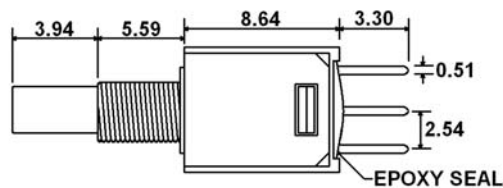
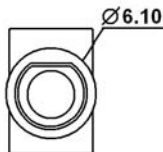
Function	Pushbutton Position	
1	OFF	(ON)
Terminals	--	1-3



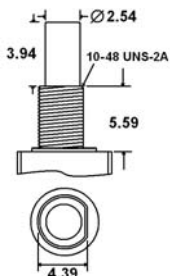
SPDT



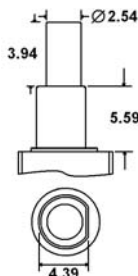
Function	Pushbutton Position	
1	ON	(ON)
Terminals	2-1	2-3



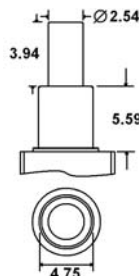
Bushing Options



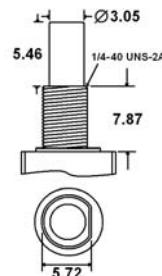
S



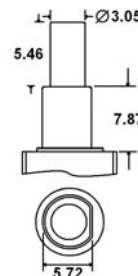
U



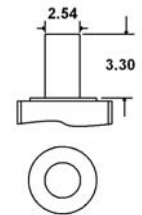
T



V

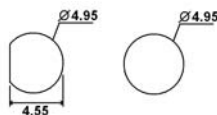


V1

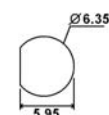


SP

Panel Mounting

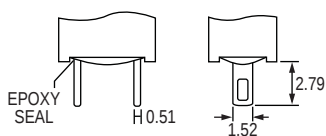


Used with S, U & T Bushings

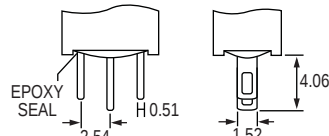


Used with V & V1 Bushings

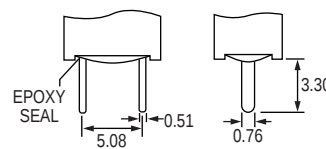
Terminal Options



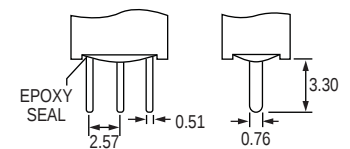
B - SPST



B - SPDT

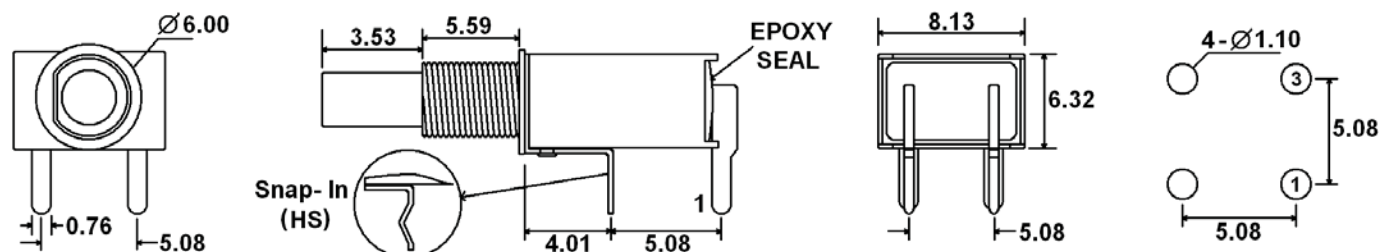


C - SPST

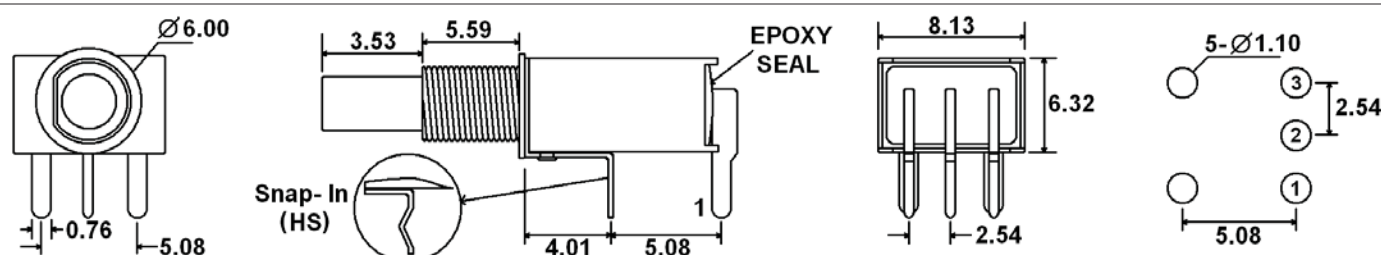


C - SPDT

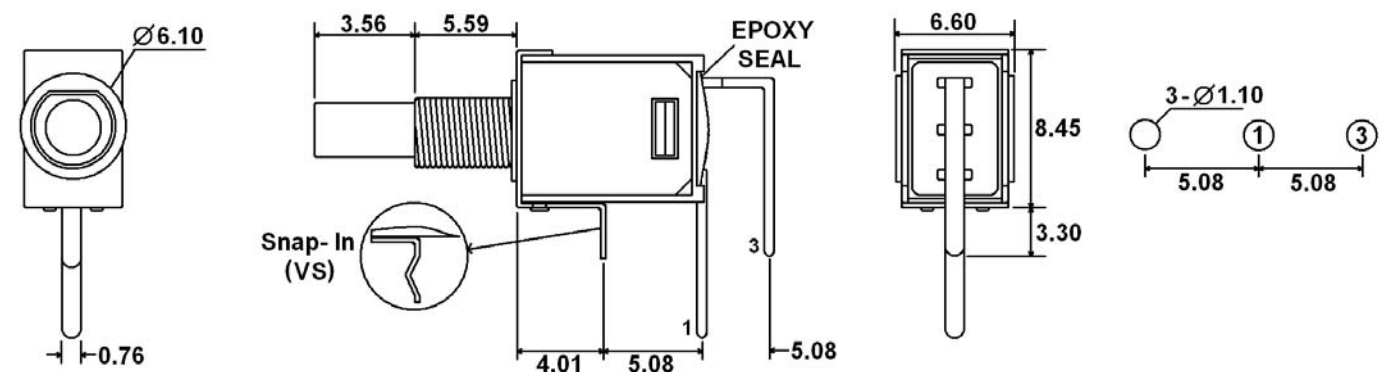
Terminal Options



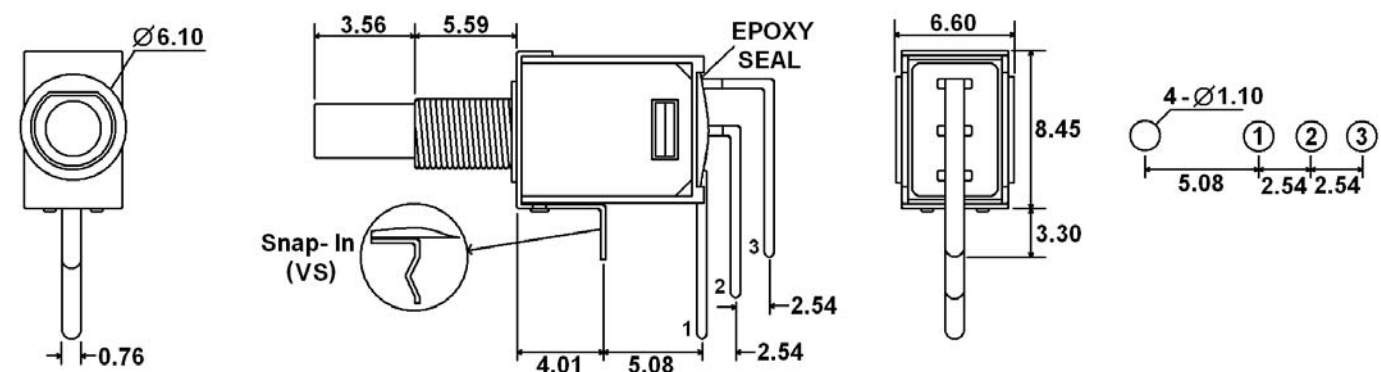
H (HS - Snap In) = Horizontal mount, right angle PC pins, single pole, single throw



H (HS - Snap In) = Horizontal mount, right angle PC pins, single pole, double throw



V (VS - Snap In) = Vertical mount, right angle PC pins, single pole, single throw

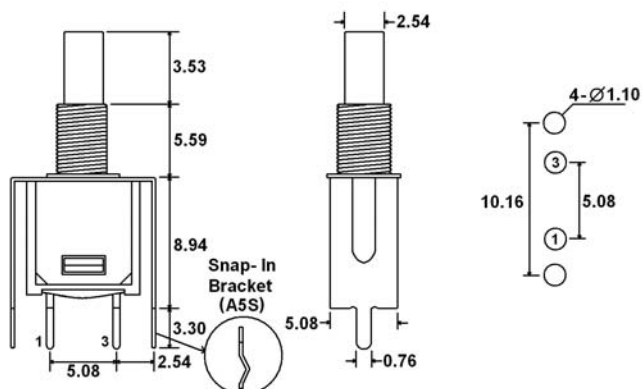


V (VS - Snap In) = Vertical mount, right angle PC pins, single pole, double throw

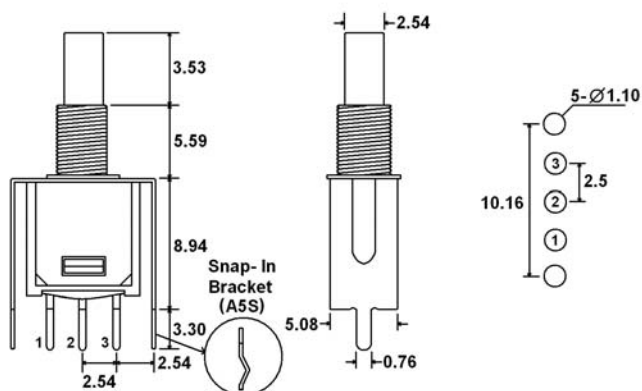
BNP

Sub-Miniature Pushbutton

Terminal Options



A5 (A5S - Snap in bracket) = PC pins with support bracket, single pole single throw

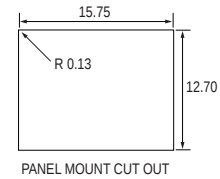
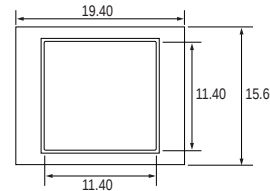
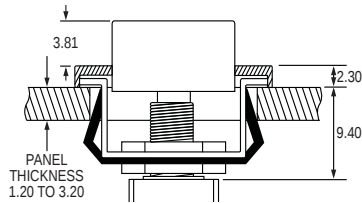


A5 (A5S - Snap in bracket) = PC pins with support bracket, single pole double throw

Contact Options

Designator	Contact Material	Terminal Material	Electrical Ratings
Q	Silver Plating	Silver Plating	3A @ 120VAC, 28VDC; 1A @ 250VAC
R	Gold over Nickel Plating	Gold over Nickel Plating	0.4VA max @ 20VAC or VDC max
G	Gold over Silver Plating	Gold over Silver Plateing	0.4VA max @ 20VAC or VDC max or 3A @ 120VAC, 28VDC; 1A @ 250VAC

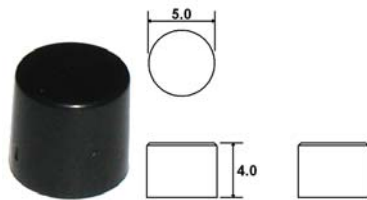
Frame Options



F86_ _ ← Insert cap and frame colors here

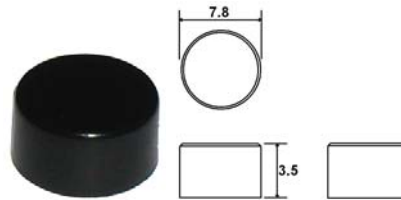
Cap Color / Frame Color
1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors

Cap Options



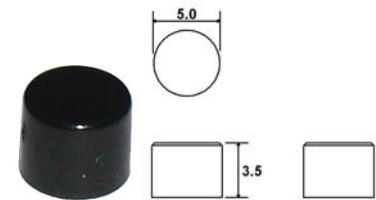
C84_

1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors



C85_

1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors

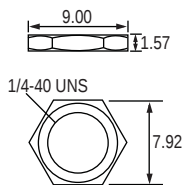


C87_

1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors
Only for use with V & V1 Bushings

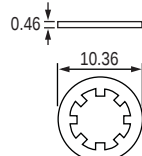
Hardware

Two hex nuts, one lock washer & one locking ring supplied standard with threaded bushings



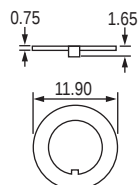
Hex Nut

For use with S & V
Bushing



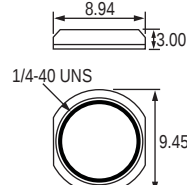
Lock Washer

For use with S & V
Bushing



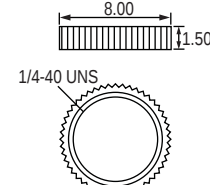
Locking Ring

For use with S & V
Bushing



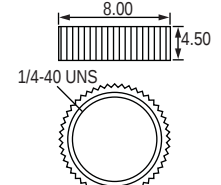
Dress Nut

For use with V Bushing



Knurled Nut

For use with V Bushing



Knurled Nut

For use with V Bushing