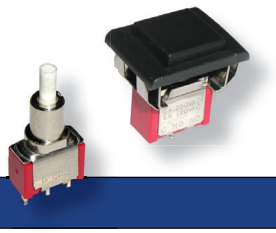


RoHS Compliant

CIT RELAY & SWITCH™
Division of Circuit Interruption Technology, Inc.

ANP

E222871 — Miniature Pushbutton

Specifications

Electrical Ratings	3A @ 120VAC, 28VDC 1A @ 250VAC See Contact Options
Electrical Life	50,000 cycles typical
Contact Resistance	<20mΩ initial @ 2-4VDC, 100mA
Actuator Travel	0.85mm ± 0.2mm

Dielectric Strength	1500Vrms min
Insulation Resistance	>100MΩ min
Operating Temperature	-40ºC to 85ºC
Storage Temperature	-40ºC to 85ºC

Materials

Actuator	6/6 Nylon, Glass Filled
Housing	Diallyl Phthalate (DAP)
Cover	Stainless Steel
Bushing	Brass, Nickel Plated
Contacts	Brass, Silver Plated
Terminals	Brass, Silver Plated

Ordering Information

1. Series	ANP	2	1	F4	C	Q	E	C742

1. Series
ANP

2. Number of Poles
1 = SPDT
2 = DPDT

3. Switch Function
1 = ON - (ON)
2 = ON - ON Latching

4. Bushing
F4 / N4 = ¼-40NS / Non-threaded, keyway, 6.35mm
F9 / N9 = ¼-40NS / Non-threaded, flat, 6.35mm
***No bushing is selected is a panel mount frame is selected below*

5. Terminals
B = Solder Lug
C = PC pin
D = Quick connect
H = Horizontal mount, right angle PC pin; HS = Snap In
V = Vertical mount, right angle PC pin
S20 = PC pin with support bracket; V20 = Snap in support bracket *not available with SPDT
S25 = PC pin with support bracket; V25 = Snap in support bracket
S40 = PC pin with support bracket; V40 = Snap in support bracket

6. Contacts
Q = Silver plated
R = Gold plated
G = Gold over Silver plated

7. Epoxy Seal
E = Epoxy Seal

8. Actuator Cap / Frame
Blank = None
C73
C74
C75
C76
C77
F75 = Snap in panel mount with frame *only available with momentary option*
F76 = Snap in panel mount with frame *only available with momentary option*

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

CIT RELAY & SWITCH™
Division of Circuit Interruption Technology, Inc.

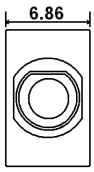
ANP

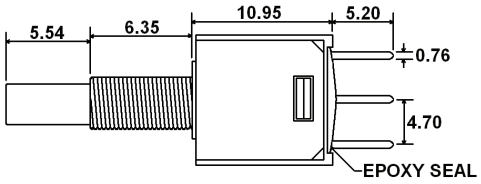
Miniature Pushbutton

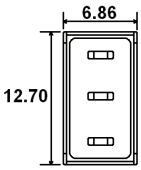
Switch Function

SPDT

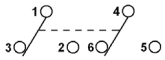
Function	Pushbutton Position	
	▮	▮
1	ON	(ON)
2	ON	ON
Terminals	1-3	1-2



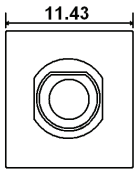


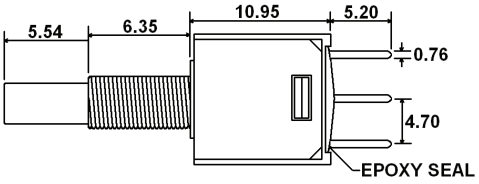


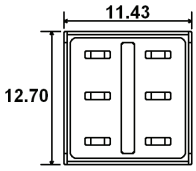
DPDT



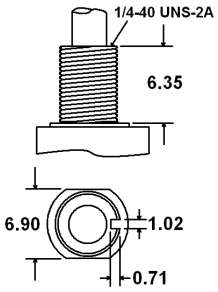
Function	Pushbutton Position	
	▮	▮
1	ON	(ON)
2	ON	ON
Terminals	1-3 4-6	1-2 4-5



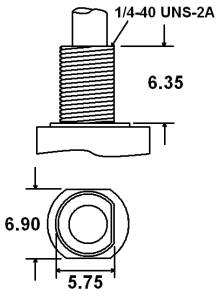




Bushing Options

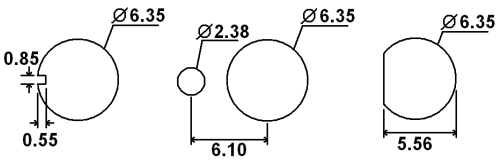


F4 Threaded
N4 Non-Threaded



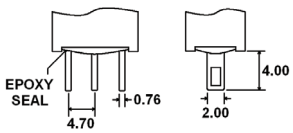
F9 Threaded
N9 Non-Threaded

Panel Mounting

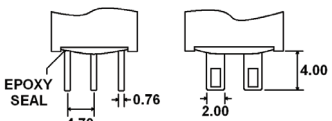


1/4" - 40 Bushing

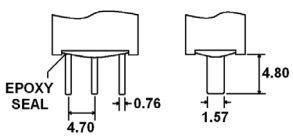
Terminal Options



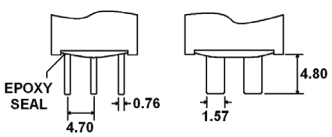
B Single Pole



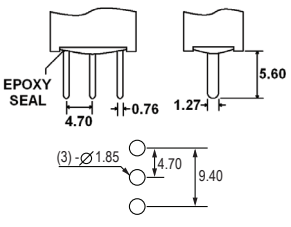
B Double Pole



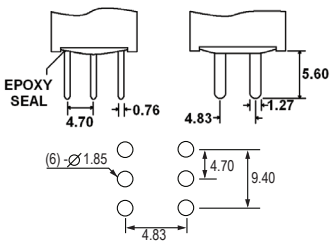
D Single Pole



D Double Pole



C Single Pole

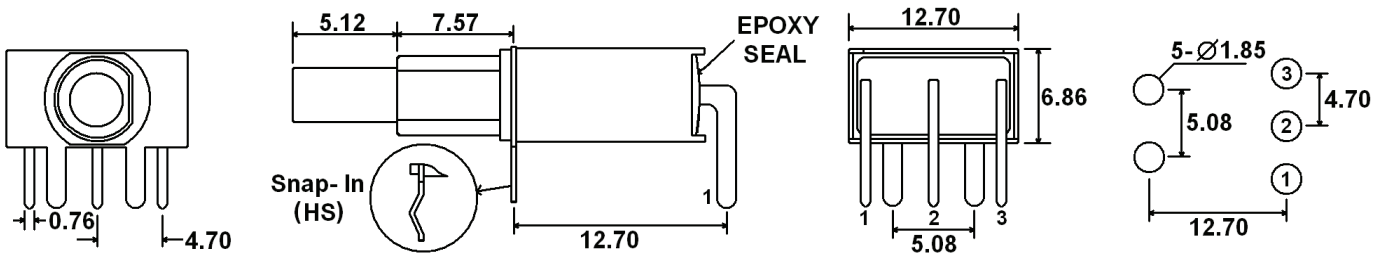


C Double Pole

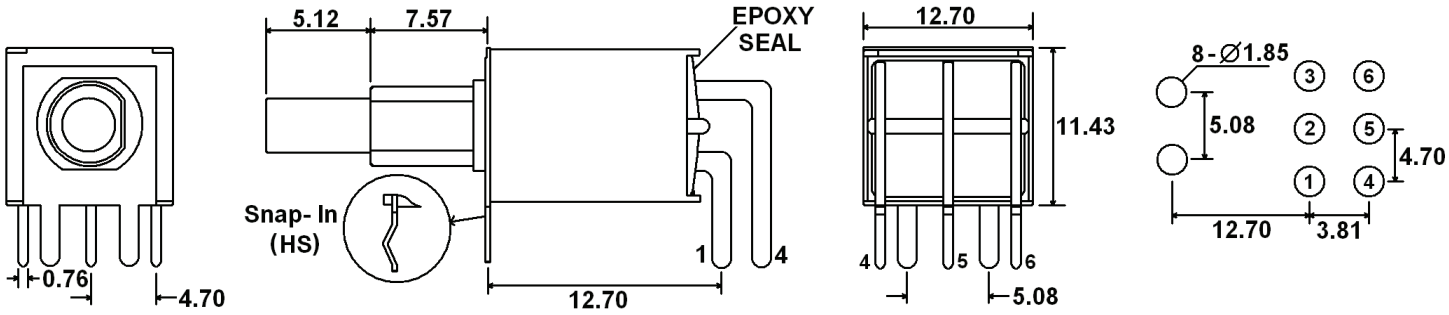
Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

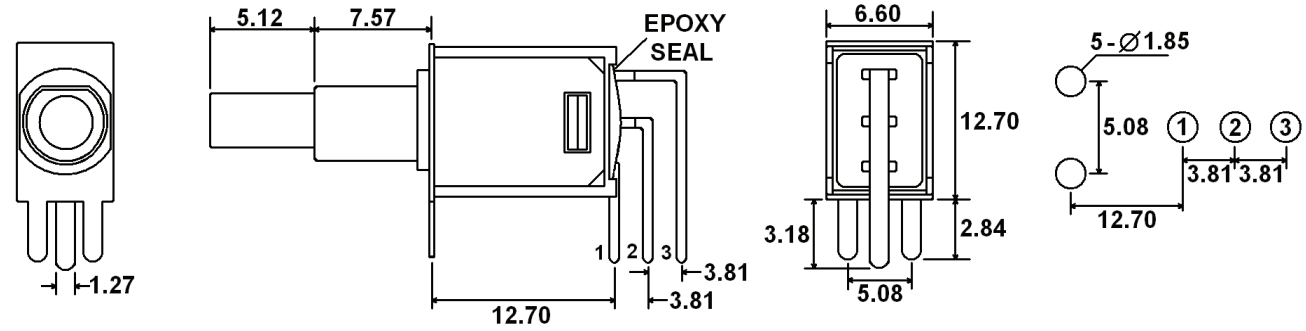
Terminal Options



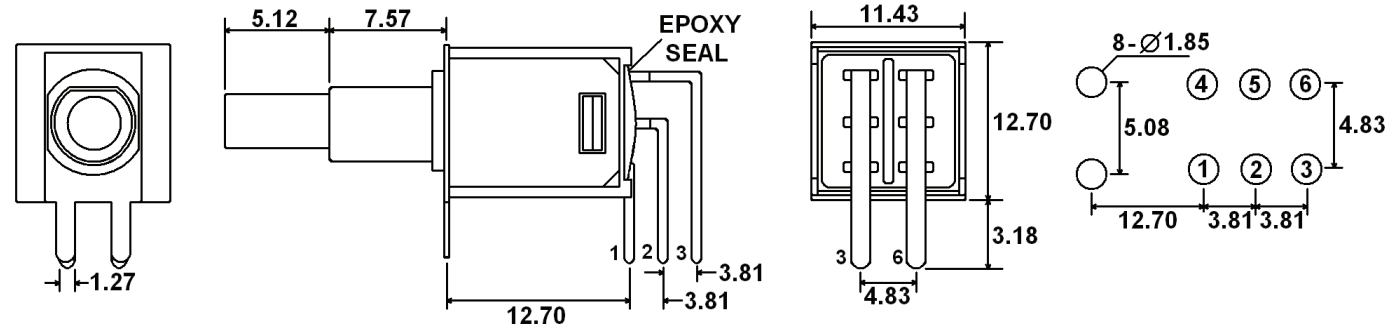
H (HS - Snap In) = Horizontal mount, right angle PC pins, single pole



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



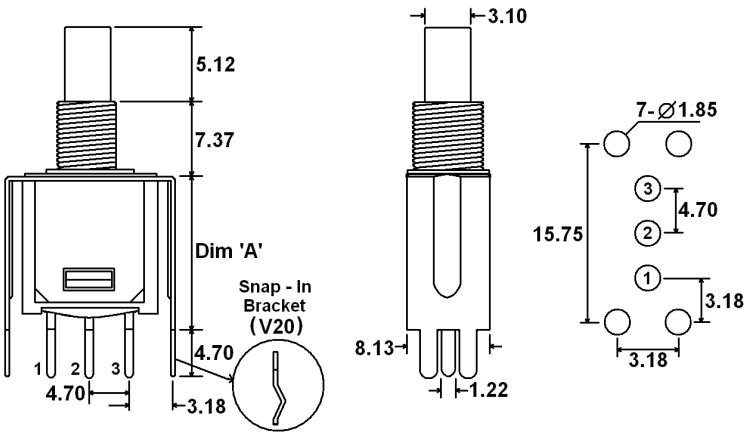
V = Vertical mount, right angle PC pins, single pole



V = Vertical mount, right angle PC pins, double pole

Dimensions shown in mm. Dimensions are shown for reference purposes only.
Specifications and availability subject to change without notice.

Terminal Options



Terminal Option	"A" Dimension
S25 / V25	16.00

S25 (V25 - Snap in bracket) = PC pins with support bracket, single pole

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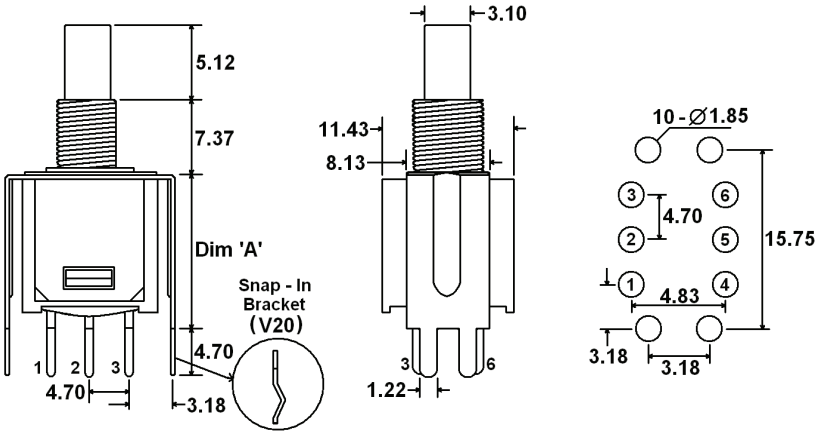

Terminal Option	"A" Dimension
S20 / V20	11.68
S25 / V25	16.00

S20 / S25 (V20/V25 - Snap in bracket) = PC pins with support bracket, double pole

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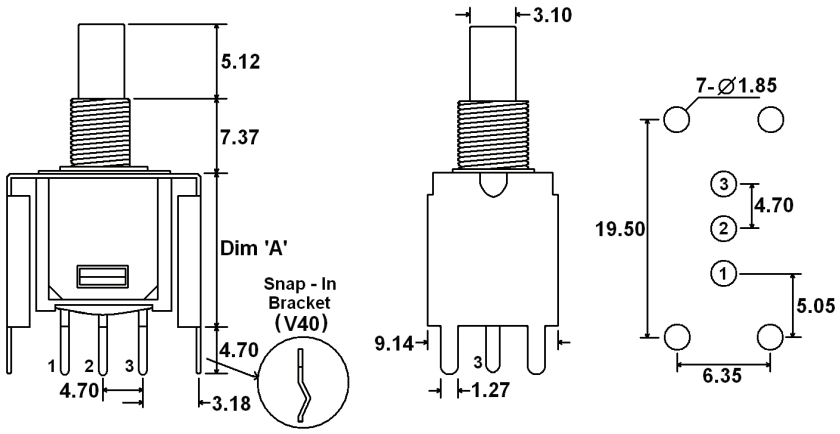
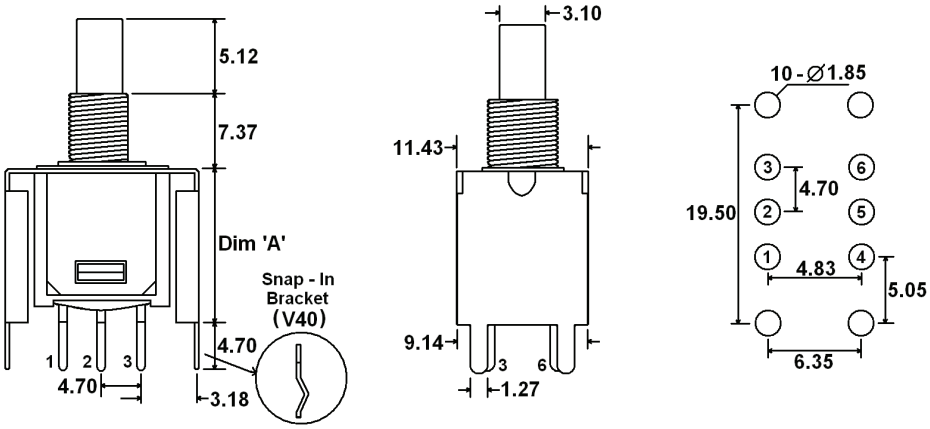


Terminal Option	"A" Dimension
S40 / V40	16.00

S40 (V40 - Snap in bracket) = PC pins with support bracket, single pole

Dimensions shown in mm. Dimensions are shown for reference purposes only.
Specifications and availability subject to change without notice.

Terminal Options



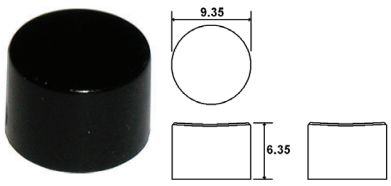
Terminal Option	"A" Dimension
S40 / V40	16.00

S40 (V40 - Snap in bracket) = PC pins with support bracket, double pole

Contact Options

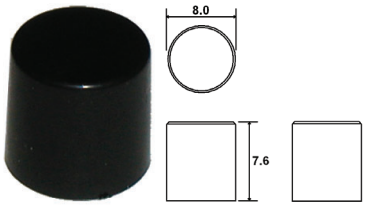
Designator	Contact Material	Terminal Material	Electrical Ratings
Q	Silver Plating	Silver Plating	3A @ 120VAC, 28VDC; 1A @ 250VAC
R	Gold over Nickel Plating	Gold over Nickel Plating	0.4VA max @ 20VAC or VDC max
G	Gold over Silver Plating	Gold over Silver Plateing	0.4VA max @ 20VAC or VDC max or 3A @ 120VAC,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

Cap Options



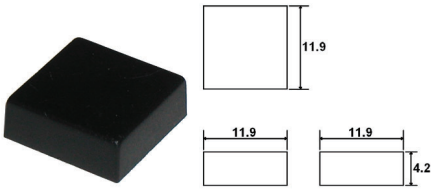
C73_

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



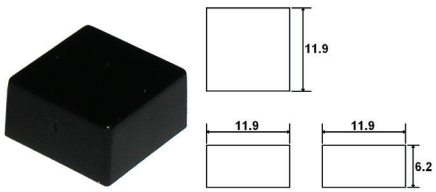
C74_

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



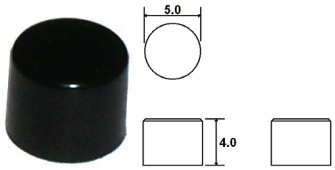
C75_

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



C76_

1 = White, 2 = Black, 3 = Red, 9
Contact Factory for other available colors



C77_

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

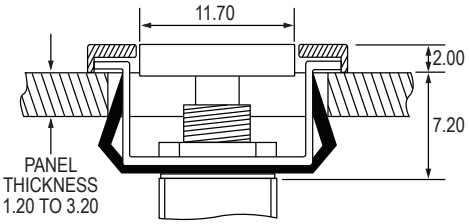
Dimensions shown in mm. Dimensions are shown for reference purposes only.

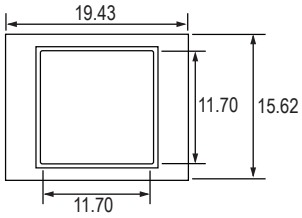
Specifications and availability subject to change without notice.

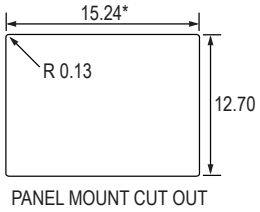
Frame Options

F75_ _ ← Insert cap and frame colors here

Increase the length dimension to 15.75 / 15.88 for 1.5 / 3.2 thick panels



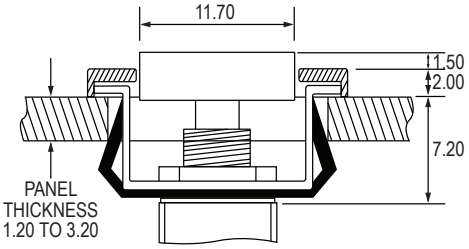


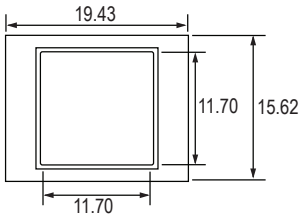


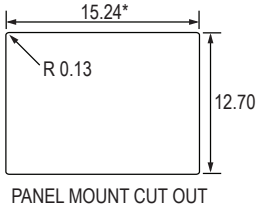
Cap Color / Frame Color
1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors

F76_ _ ← Insert cap and frame colors here

Increase the length dimension to 15.75 / 15.88 for 1.5 / 3.2 thick panels



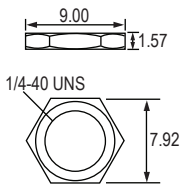




Cap Color / Frame Color
1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors

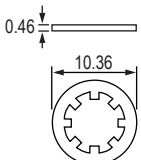
Hardware

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



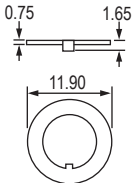
Hex Nut

For use with F4 & F9 Bushing



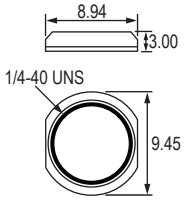
Lock Washer

For use with F4 & F9 Bushing



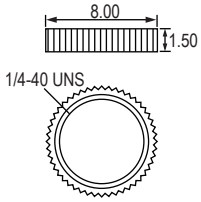
Locking Ring

For use with F4 & F9 Bushing



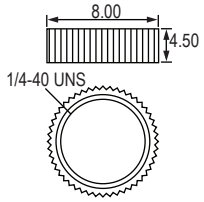
Dress Nut

For use with F4 & F9 Bushing



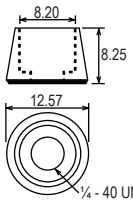
Knurled Nut

For use with F4 & F9 Bushing

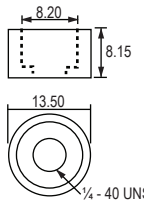


Knurled Nut

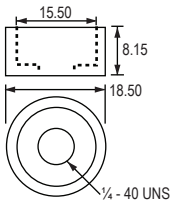
For use with F4 & F9 Bushing



Cap Shroud A



Cap Shroud B



Cap Shroud C

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.