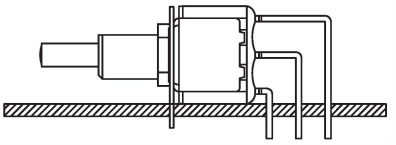
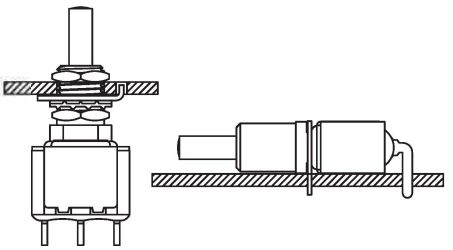




SPECIFICATIONS:

CONTACT RATING: Refer to "Contact Material Options" for more info.
ELECTRICAL LIFE: 50,000 make and break cycles at full load.
CONTACT RESISTANCE: 10mΩ max. initial @2-4VDC
INSULATION RESISTANCE: 1,000MΩ min.
DIELECTRIC STRENGTH: 1,500V RMS @ sea level.
OPERATION TEMPERATURE: -30°C to +85°C.

MATERIALS:

CASE: Diallyl phthalate(DAP)(UL 94V-0).
PLUNGER: Polybutylene terephathalate (PBT) or Nylon (UL 94V-0).
FRAME: Nylon 6/6 (UL 94HB), black standard.
BUTTON & CAP: Nylon 6/6 or ABS, black standard.
BUSHING: Brass, nickel plated.
HOUSING: Stainless steel.
TERMINAL SEAL: Epoxy.

Specifications and Dimensions subject to change

If your preferred product configuration is not shown, please contact our sales representative for custom design.

HOW TO ORDER SYSTEM

07L [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Switch Function
SP-1 On-None-On
DP-1 On-None-On
3P-1 On-None-On
4P-1 On-None-On

Plunger or Actuator
PA STD. plunger
PC PD with cap
PD Brass chrome plated
PI Medium plunger
PL Brass chrome plated
AP1 Snap-in
AP2 Snap-in with frame

Cap Type or Frame Color
* For Plunger only
0 No cap required
1 C1, 7.50 (.295") high
2 C2, 6.40 (.252") high
3 C3, 11.70 (.461") high
4 C4, 4.02 (.158") high
5 C5, 10.00 (.394") high
6 C6, 5.60 (.221") high
7 C7, 8.00 (.315")high

* For Actuator only
0 No frame color required
1 White
2 Black
3 Red
4 Orange
5 Yellow
6 Green
7 Blue
8 Brown
9 Gray

Cap Color
0 No color required
1 White
2 Black
3 Red
4 Orange
5 Yellow
6 Green
7 Blue
8 Brown
9 Gray

Bushing
B7 7.70 (.303") high, keyway
B8 B7 unthreaded
B9 7.70 (.303") high, flat B0 B9 unthreaded
BD 14.05 (.553") high, keyway

Termination
M1 Solder lug
M2 PC thru-hole
M5-1 Wire wrap, 19.05 (.750") long
M5-2 Wire wrap, 24.48 (.964") long
M5-3 Wire wrap, 10.80 (.425") long
M5-4 Wire wrap, 26.97 (1.062") long
M6 Right angle, PC thru-hole
M7 Vertical, right angle PC thru-hole
VS2 Vertical mount, 11.68 (.460") high
VS3 Vertical mount, 16.00 (.630") high
VS4 Vertical mount, 11.68 (.460") high
VS5 Vertical mount, 16.00 (.630") high

Contact Material
Q Silver
P Silver (tin plated term.)
R Gold
K Gold (tin plated term.)
G Silver (gold over silver term.)

Seal
E Epoxy
0 W/O Epoxy

07L [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Switch Function
SP-2 On-None-(On)
DP-2 On-None-(On)

Plunger
PE Brass snap-in

Cap Type
0 No cap required
5 C5, 10.00 (.394") high
7 C7, 8.00 (.315")high

Cap Color
0 No color required
1 White
2 Black
3 Red

Bushing
BF 8.00 (.315") high, keyway

Termination M1 Solder lug M2 PC thru-hole

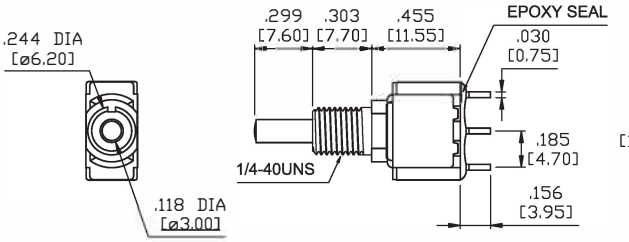
Contact Material
See above codes

Seal
E Epoxy
0 W/O Epoxy

SPDT

Model No.	Switching Position		
SP-1	ON	NONE	ON
Term. Comm.	2-3	OPEN	2-1

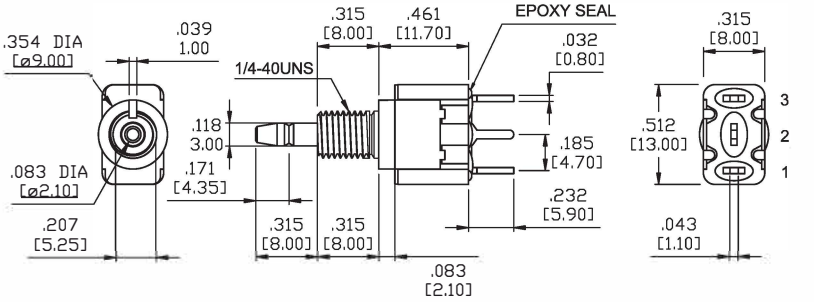
Schematic



SPDT

Model No.	Switching Position		
SP-2	ON	NONE	(ON)
Term. Comm.	2-3	OPEN	2-1

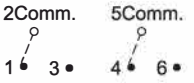
Schematic

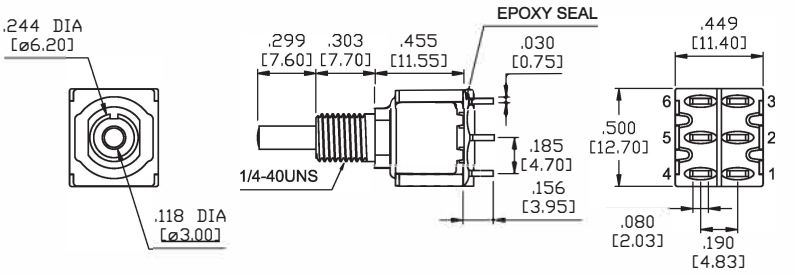


DPDT

Model No.	Switching Position		
DP-1	ON	NONE	ON
Term. Comm.	2-3,5-6	OPEN	2-1,5-4

Schematic

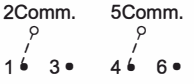


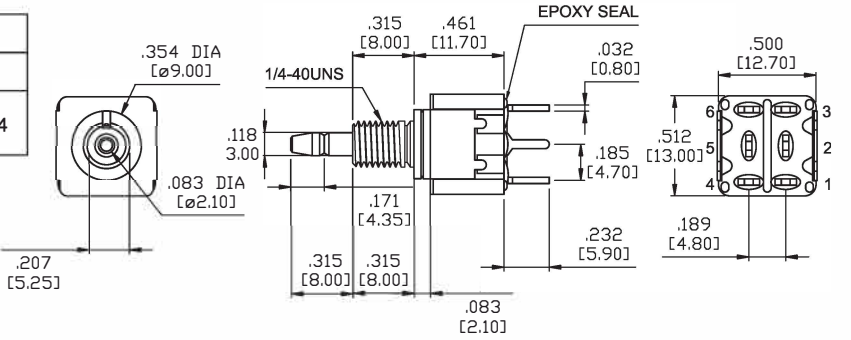


DPDT

Model No.	Switching Position		
DP-2	ON	NONE	(ON)
Term. Comm.	2-3,5-6	OPEN	2-1,5-4

Schematic

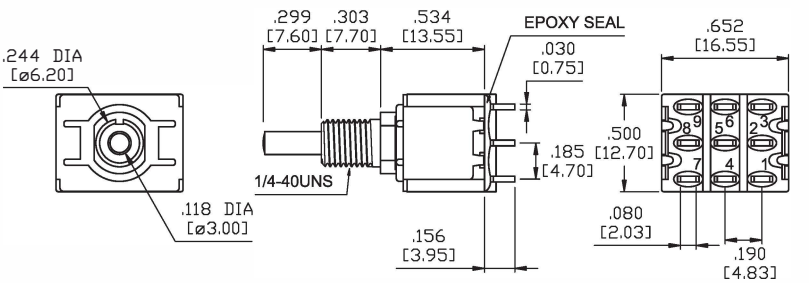




3PDT

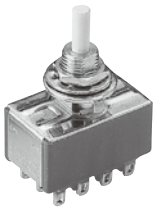
Model No.	Switching Position		
3P-1	ON	NONE	ON
Term. Comm.	2-3,5-6 8-9	OPEN	2-1,5-4 8-7

Schematic



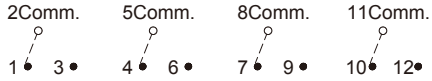
( )=MOMENTARY

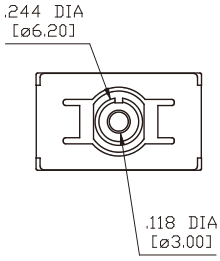
4PDT

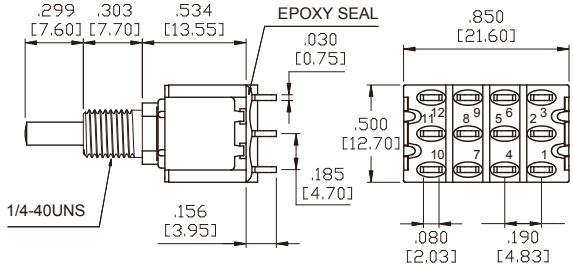


Model No.	Switching Position		
4P-1	ON	NONE	ON
Term. Comm.	2-3,5-6 8-9 11-12	OPEN	2-1,5-4 8-7 11-10

Schematic

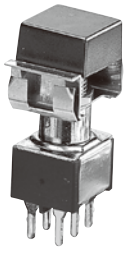


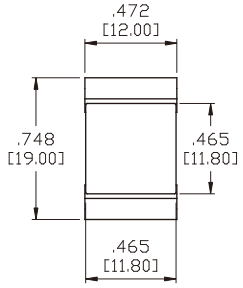


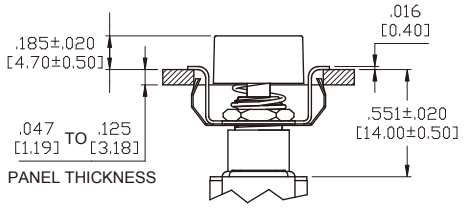


ACTUATOR OPTIONS FOR SNAP-IN FRONT MOUNT

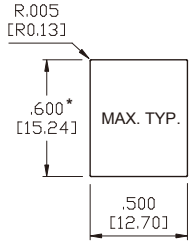
AP1





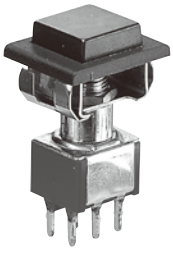


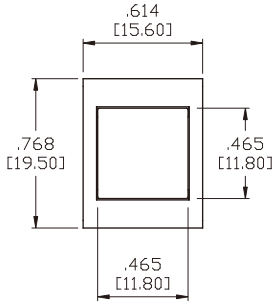
PANEL MOUNTING

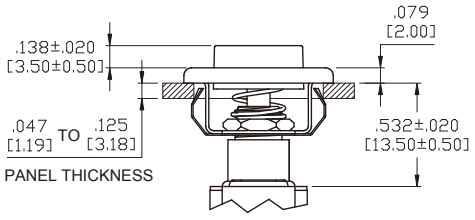


* Increase this dimension to .620/.625 [15.75/15.88] for .091/.125 [2.31/3.18] thk. panels.

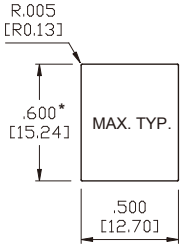
AP2 WITH FRAME





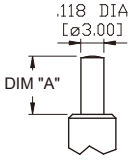


PANEL MOUNTING



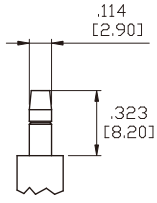
* Increase this dimension to .620/.625 [15.75/15.88] for .091/.125 [2.31/3.18] thk. panels.

PLUNGER OPTIONS (SP-1 / DP-1 MODEL)



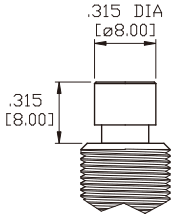
OPTION CODE	DIM "A"
PA	.299 [7.60]
PI	.244 [6.20]

PL

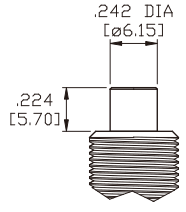


* Plunger material: Brass Nickel Plated

PC



PD

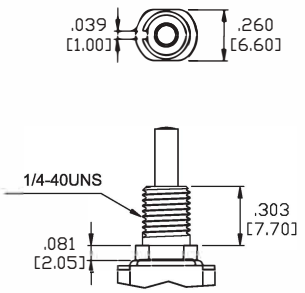


* Plunger material: Brass Chrome Plated
* PC,PD must configure with BD bushing

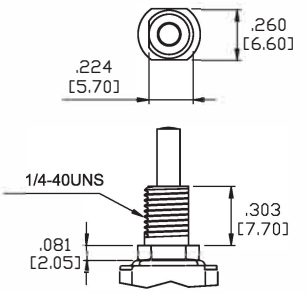
( )=MOMENTARY

BUSHING OPTIONS (SP-1 / DP-1 MODEL)

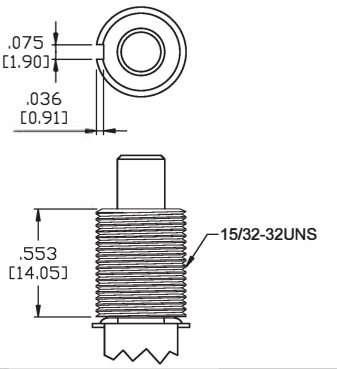
B7 THD STD
B8 NON-THD



B9 THD STD
B0 NON-THD

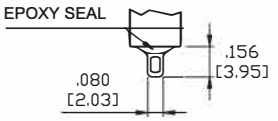


BD THD STD



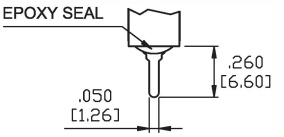
TERMINATION OPTIONS (SP-1 / DP-1 MODEL)

M1 STD. SOLDER LUG



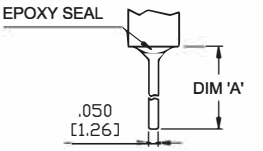
THK .030 [0.75]

M2 PC-THRU HOLE



THK .030 [0.75]

M5 WIRE WRAP

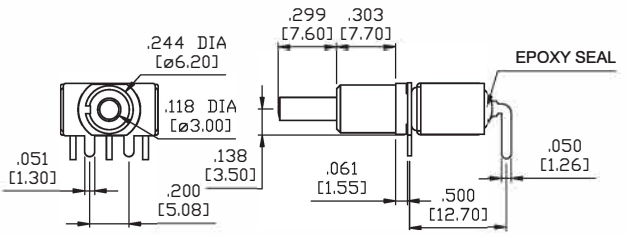


THK .030 [0.75]

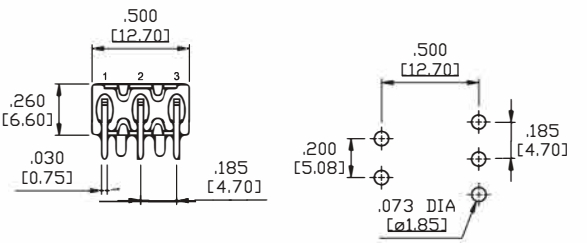
OPTION CODE	DIM.'A'
M5-1	.750 [19.05]
M5-2	.964 [24.48]
M5-3	.425 [10.80]
M5-4	1.062 [26.97]

M6

SPDT

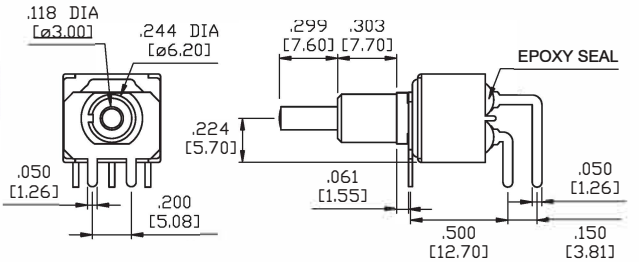


P.C.MOUNTING

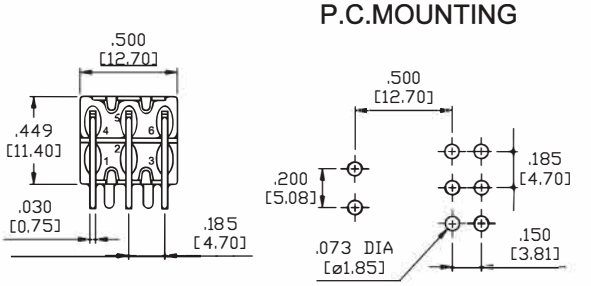


M6

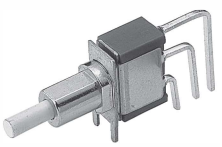
DPDT



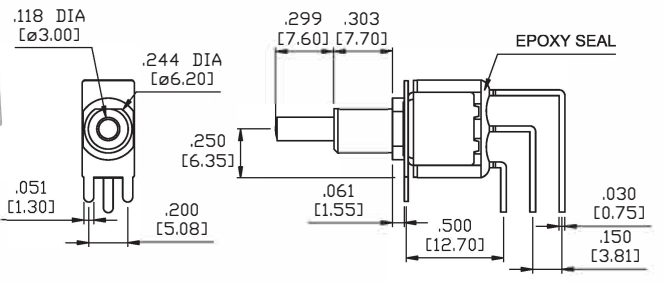
P.C.MOUNTING



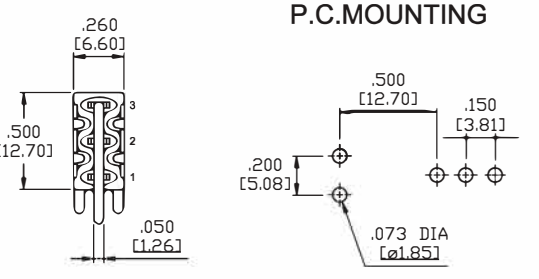
M7



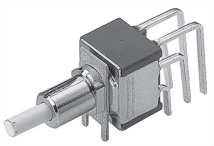
SPDT



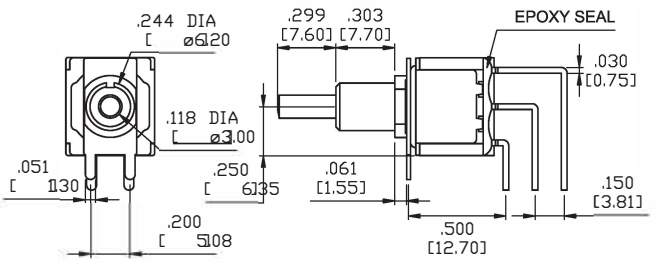
P.C.MOUNTING

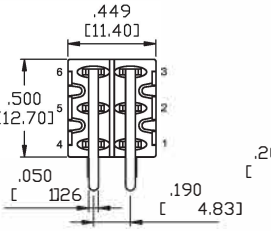


M7

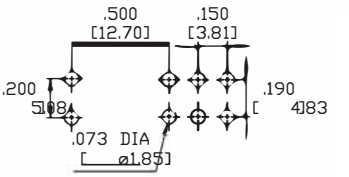


DPDT

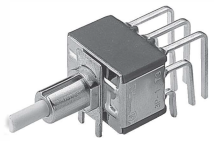




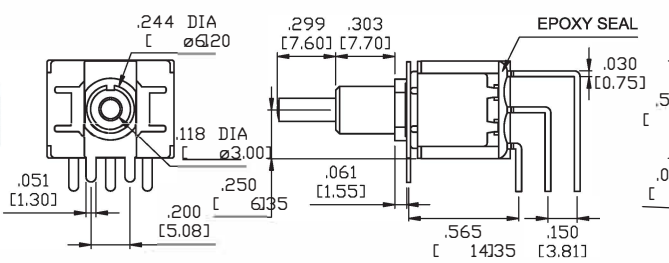
P.C.MOUNTING

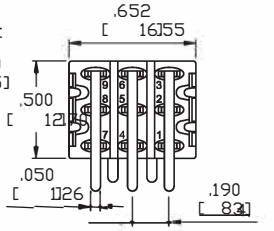


M7

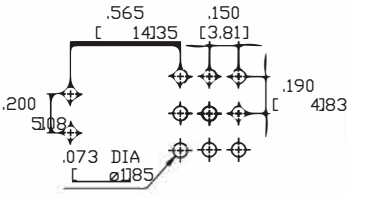


3PDT

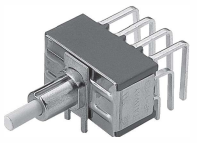




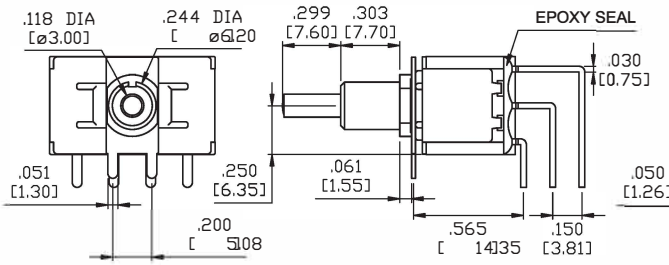
P.C.MOUNTING

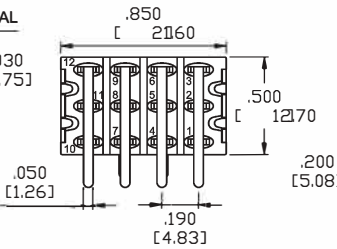


M7

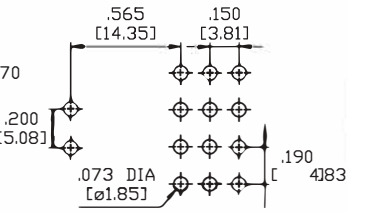


4PDT

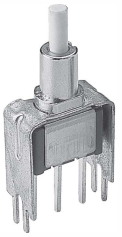




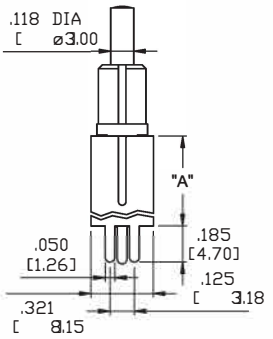
P.C.MOUNTING

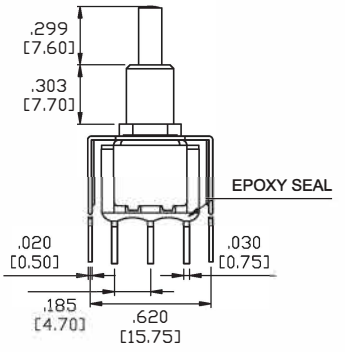


VS2-VS3



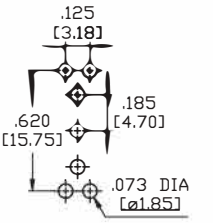
SPDT





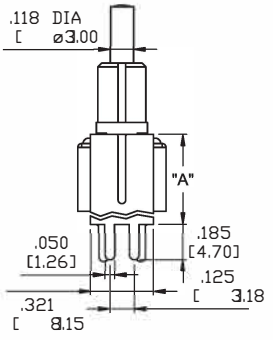
OPTION CODE	DIM.'A'
VS2	.461 [11.70]
VS3	.630 [16.00]

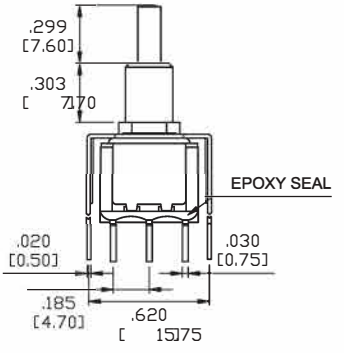
P.C.MOUNTING



VS2-VS3

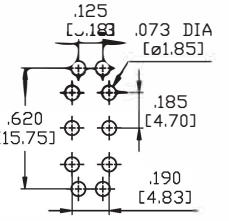
DPDT



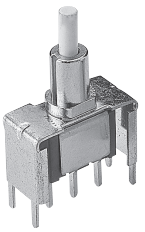


OPTION CODE	DIM.'A'
VS2	.461 [11.70]
VS3	.630 [16.00]

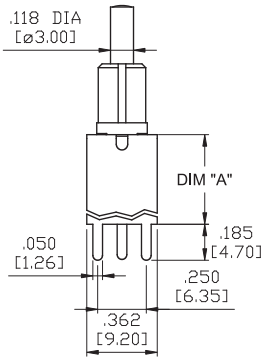
P.C.MOUNTING

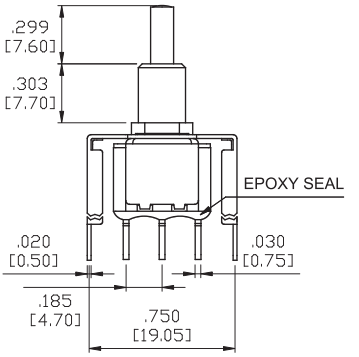


VS4-VS5



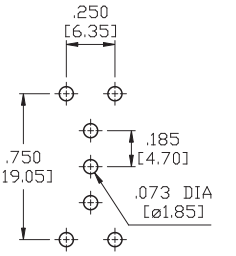
SPDT



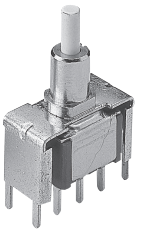


OPTION CODE	DIM.'A'
VS4	.461 [11.70]
VS5	.630 [16.00]

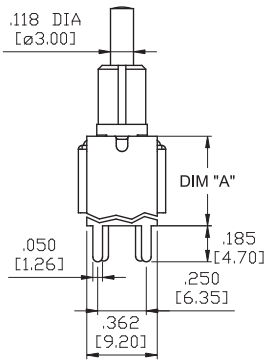
P.C.MOUNTING

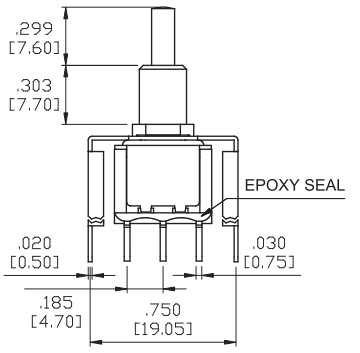


VS4-VS5



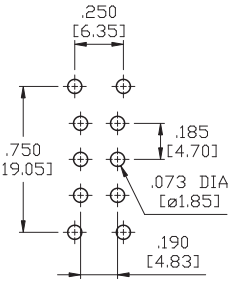
DPDT





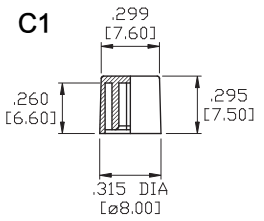
OPTION CODE	DIM.'A'
VS4	.461 [11.70]
VS5	.630 [16.00]

P.C.MOUNTING

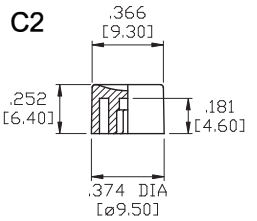


PLUNGER CAPS

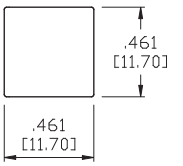
C1



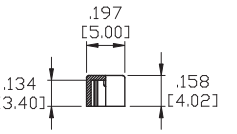
C2



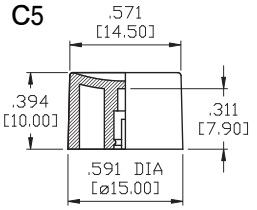
C3



C4

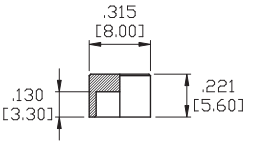


C5



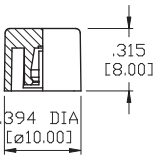
For PL plunger only

C6



For PD plunger only

C7



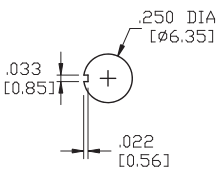
For PL plunger only

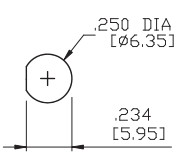
CAP AND FRAME COLORS	
1	White
2	Black
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray

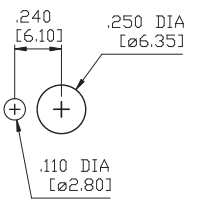
MATERIAL: ABS for C1~C5.
MATERIAL: Brass for C6
Chrome or nickel plated.

PANEL MOUNTING

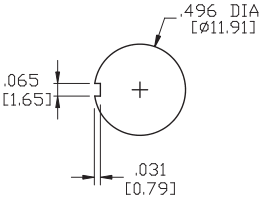
1/4 INCH BUSHING

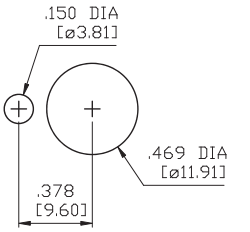






15/32 INCH BUSHING

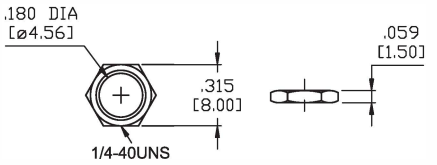




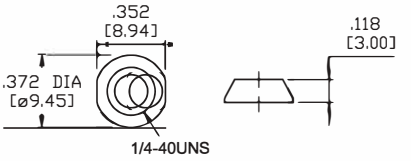
HARDWARE

NUT

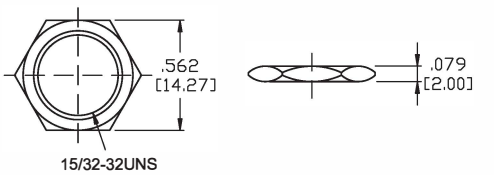
STD. HDW2



DRESS NUT HDW3

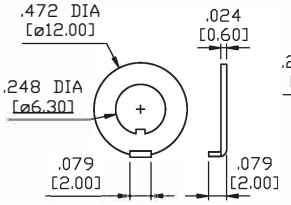


HDW4 - FOR PC & PD PLUNGER

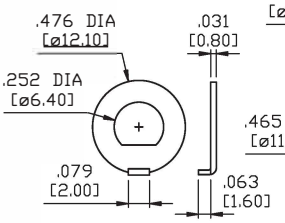


LOCKING RING

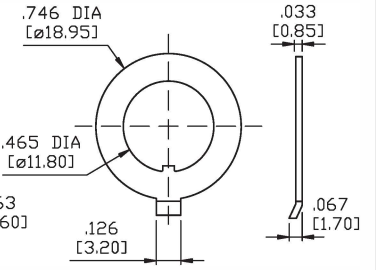
STD. HDW15



STD. HDW16

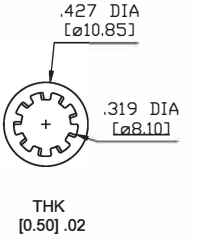


HDW17 - FOR PC & PD PLUNGER

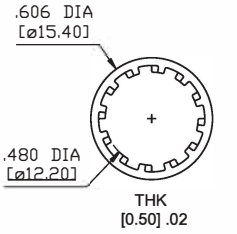


LOCK WASHER

STD. HDW11



HDW12 - FOR PC & PD PLUNGER



CONTACT MATERIAL OPTIONS

Coding	Contact Material	Terminal Plating	Rating	Agency Approvals
Q	Silver [1]	Silver plated [6]	6Amps @ 125VAC or 28VDC 3Amps @ 250VAC	c UL us
P		Tin plated [5 8]		
R	Gold [2]	Gold plated [4]	0.4VA max @ 20V max (AC or DC)	
K		Tin plated [5 7]		
G	Silver [1]	Gold over silver [3]	6Amps @ 125VAC or 28VDC 3Amps @ 250VAC	c UL us

1. Movable Contact: Coin silver, silver plated.
2. Movable Contact: Copper alloy with gold plated over nickel plated.
3. Terminals: Silver plated with outer layer in gold plating.
4. Terminals: Copper alloy, with gold plated over nickel plated.
5. Outer Terminals: Copper alloy with pure tin plated.
6. Terminals: Copper alloy, silver plated.
7. Terminal Contact: Gold plated over nickel plated.
8. Terminal Contact: Palladium nickel alloy (or Silver) plated.

* P, K not available with M1 termination.