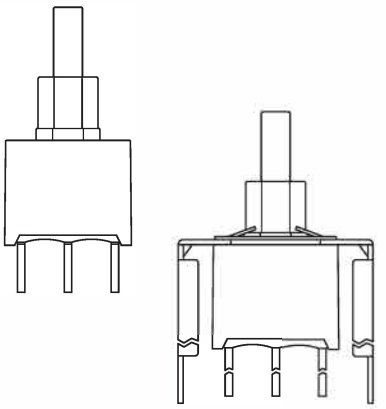
Series 07A/C (Sealed) Snap-Acting Pushbutton Switches



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. intial @ 2-4 VDC
100 mA for both silver and gold plated contacts.
INSULATION RESISTANCE: 1,000MΩ min.
DIELECTRIC STRENGTH: 1,500V RMS min. @ sea level.
OPERATING TEMPERATURE: -30°C to +85°C.
CAP INSTALLATION FORCE: 10 lbs, max.

MATERIALS:

CASE & BUSHING: PA9T or FR52, flame retardant, heat stabilized (94V-0).
PLUNGER: Nylon 6/6 or PBT with internal o-ring sealed (700A).
PLUNGER: Nylon 6/6 or PBT (700C).
SWITCH SUPPORT: Brass or steel, tin plated.
SWITCH SUPPORT RETAINER: 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

07 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Series
A Sealed, red case
C Dust-proofed, gray case

Switch Function
WSP-7 On-Mom.
WDP-7 On-Mom.

Plunger or Actuator
P1 STD. plunger
P2 Long plunger
P3 Short plunger
AP1 Snap-in
AP2 Snap-in with frame
AP3 Snap-in, with frame, flush cap

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, 4.16 (.164") high 4
C4, 4.02 (.158") 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
B1 8.90 (.350") high, keyway threaded B4 6.35 (.250") high, flat unthreaded

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
M61 Right angle, snap-in
M7 Vertical, right angle PC thru-hole M71 Vertical, right angle snap-in
VS2 Vertical mount, 11.70 (.461") high
VS21 Vertical mount, snap-in 11.70 (.461") high
VS3 Vertical mount, 16.00 (.630") high
VS31 Vertical mount, snap-in 16.00 (.630") high
VS4 Vertical mount, 11.70 (.461") high
VS41 Vertical mount, snap-in 11.70 (.461") high
VS5 Vertical mount, 16.00 (.630") high
VS51 Vertical mount, snap-in 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.)

Note: Q plating is not available with 700A

Seal
E Epoxy

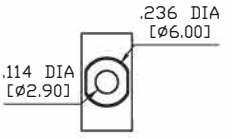
MOM=MOMENTARY

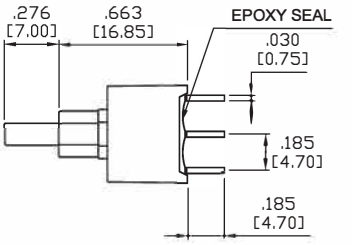
Series 07A/C (Sealed) Snap-Acting Pushbutton Switches

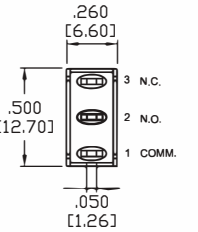
SPDT

Model No.	Type	
WSP-7	ON	MOM
Term. Comm.	1-3	1-2

Schematic



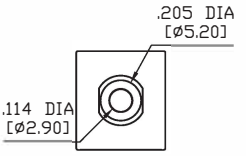


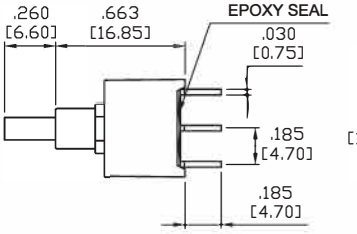


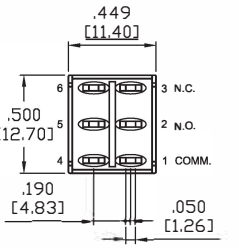
DPDT

Model No.	Type	
WDP-7	ON	MOM
Term. Comm.	1-3,4-6	1-2,4-5

Schematic



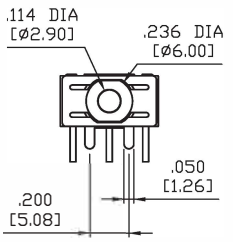


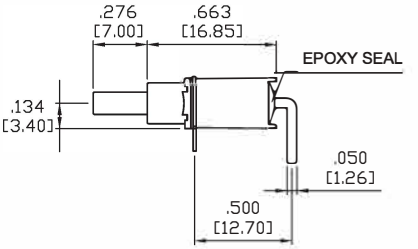


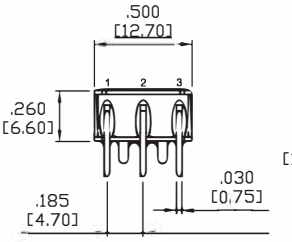
M6

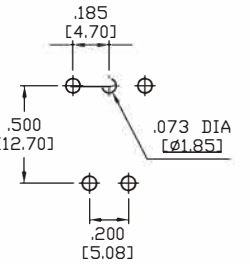
SPDT

P.C.MOUNTING

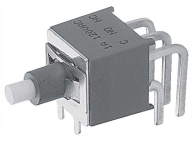






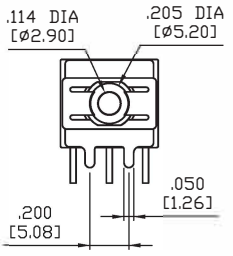


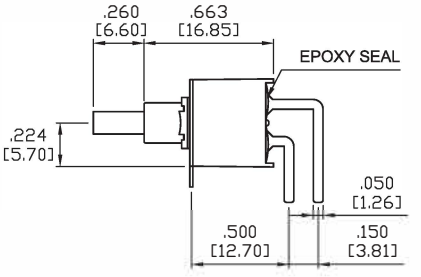
M6

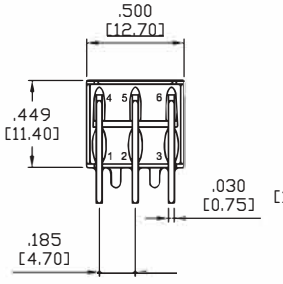


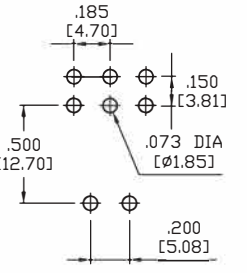
DPDT

P.C.MOUNTING



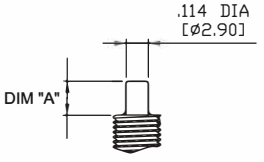






PLUNGER OPTIONS

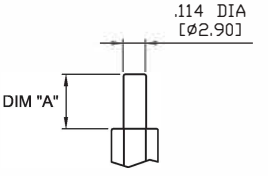
FOR B1 BUSHING



OPTION CODE	DIM. "A"
P1	.181 [4.60]
P2	.228 [5.80]
P3	.087 [2.20]

* Plunger length shown with SPDT model

FOR B4 BUSHING

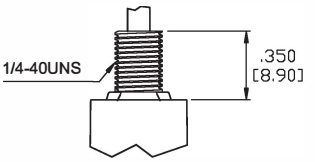


OPTION CODE	DIM. "A"
P1	.276 [7.00]
P2	.323 [8.20]
P3	.193 [4.90]

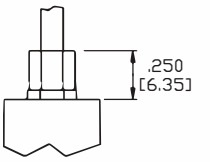
* Plunger length shown with SPDT model

BUSHING OPTIONS

B1

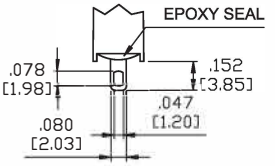


B4



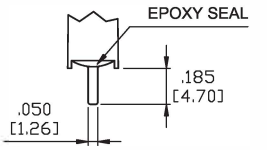
TERMINATION OPTIONS

M1



THK .030 [0.75]

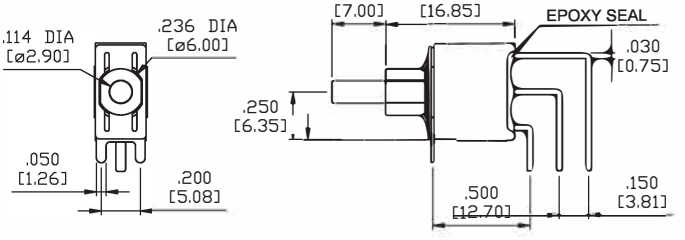
M2

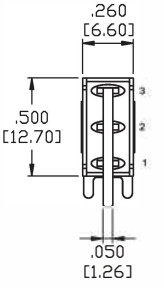


THK .030 [0.75]

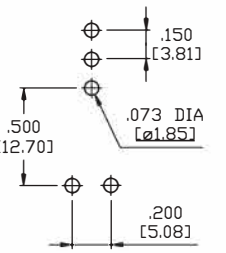
M7

SPDT



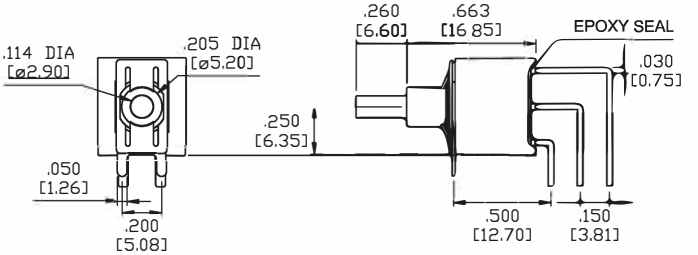


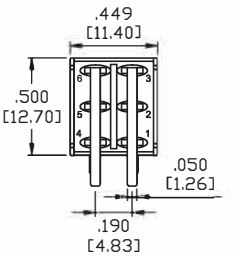
P.C.MOUNTING



M7

DPDT





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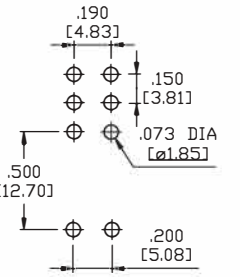
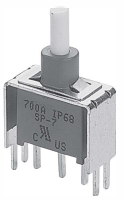
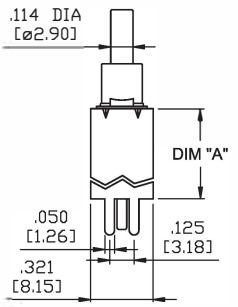
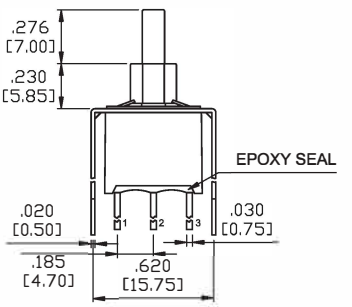


VS2-VS3



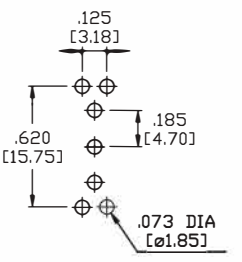
SPDT





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

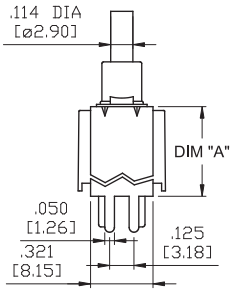
P.C.MOUNTING

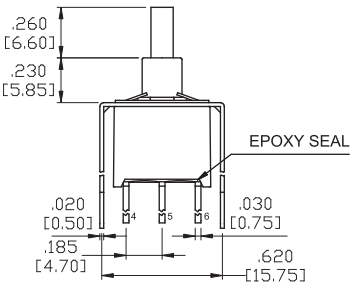


TERMINATION OPTIONS

VS2-VS3

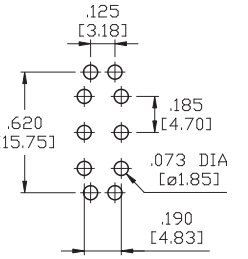
DPDT



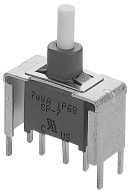


OPTION CODE	DIM.'A'
VS2	.461 [11.70]
VS3	.630 [16.00]

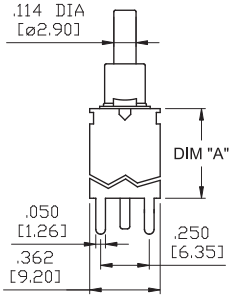
P.C.MOUNTING

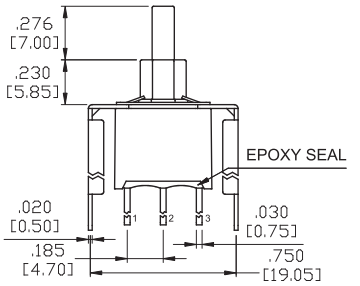


VS4-VS5



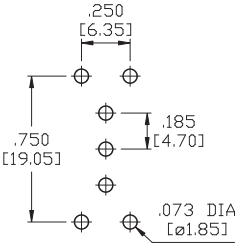
SPDT



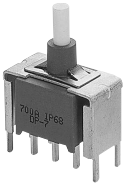


OPTION CODE	DIM.'A'
VS4	.461 [11.70]
VS5	.630 [16.00]

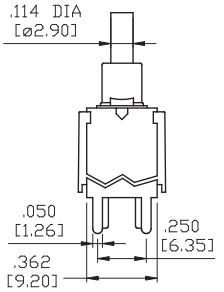
P.C.MOUNTING

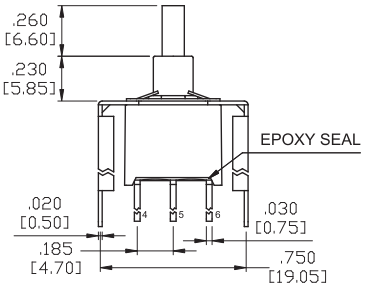


VS4-VS5



DPDT





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

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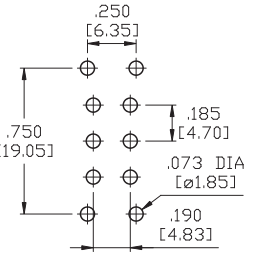
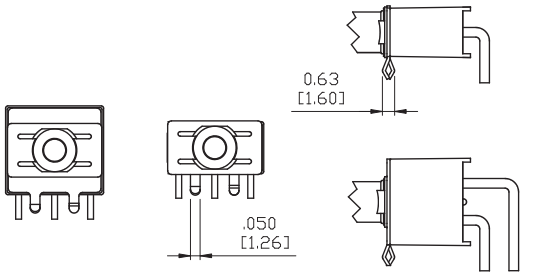
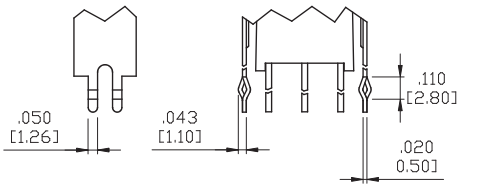


SNAP-IN TERMINATION OPTIONS

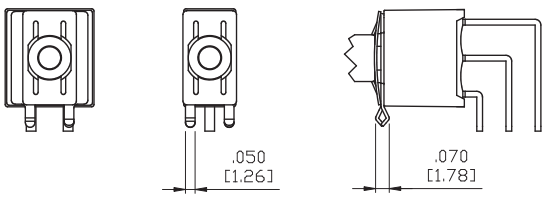
M61



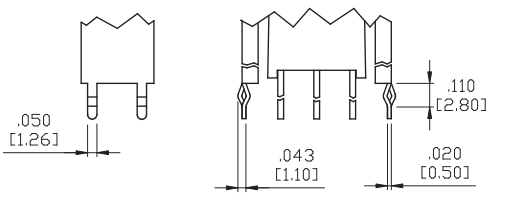
VS21, VS31



M71



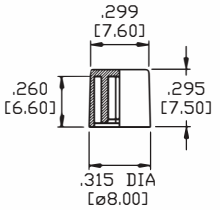
VS41, VS51



* PC Mounting for M61,M71,VS21,VS31,VS41,VS51 refer to M6,M7,VS2,VS3,VS4,VS5 respectively.

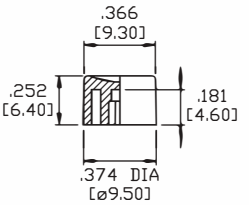
PLUNGER CAPS

C1



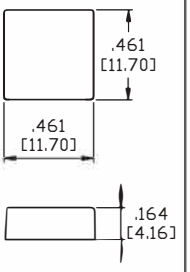
* MATERIAL: ABS.

C2



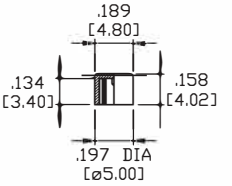
* MATERIAL: ABS.

C3



* MATERIAL: ABS.

C4



* MATERIAL: ABS.

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

CONTACT MATERIAL OPTIONS

Coding	Contact Material	Terminal Plating	Rating	Agency Approvals
Q	Silver [1]	Silver plated [1]	1Amps @ 120VAC or 38VDC	c UL us IP68
R	Gold [2]	Gold plated [3]	0.4VA max @ 20V max (AC or DC)	IP68
G	Silver [1]	Gold over silver [4]	1Amps @ 120VAC or 38VDC	c UL us IP68

* Standard G plating for sealed product.

1. Movable Contact / Terminals: Copper alloy, silver plated.
2. Movable Contact: Copper alloy with gold plated over nickel plated.
3. Terminals: Copper alloy, with gold plated over nickel plated.
4. Terminals: Silver plated with outer layer in gold plating.

* IP68 protection for 700A series only.