ASR



Process Sealed

c UL us - E222871

SPECIFICATIONS

Electrical Ratings	5A @ 120 VAC, 28VDC 2A @ 250VAC
Electrical Life	30,000 cycles typical
Contact Resistance	< 20 mΩ max initial @ 2-4VDC, 100mA
Dielectric Strength	1500Vrms min
Insulation Resistance	> 100MΩ min
Operating Temperature Storage Temperature	-40°C to 85°C -40°C to 85°C

MATERIALS ←RoHS COMPLIANT

Actuator	6/6 Nylon, Glass Filled, Flame Retardant Heat Stabilized, UL94V-0
Housing	6/6 Nylon, Glass Filled, Flame Retardant Heat Stabilized, UL94V-0
Support Bracket	Brass, Tin Plated
Contacts	Copper Alloy, Silver or Gold Plated
Terminals	Copper Alloy, Silver or Gold Plated

ORDERING INFORMATION

1. Series:	ASR	1	3	R11	2			C	Q

1. Series:
ASR

2. Number of Poles:
1 = SPDT
2 = DPDT
3 = 3PDT

3. Switch Function:
1 = ON-NONE-ON
2 = ON-NONE-(ON)
3 = ON-OFF-ON
4 = (ON)-OFF-(ON)
5 = ON-OFF-(ON)
6 = ON-ON-ON ** See Three Way Wiring Section for Details

4. Actuator:
R11P / R11 = Rocker, PC Mount / Panel Mount
R21P / R21 = Rocker, PC Mount / Panel Mount
P13P / P13 = Paddle, PC Mount / Panel Mount
P23P / P23 = Paddle, PC Mount / Panel Mount
R15P = Rocker, PC Mount
P43P = Paddle, PC Mount
P47P = Paddle, PC Mount
P48P = Paddle, PC Mount

5. Actuator Color:
1 = White 4 = Orange 7 = Blue
2 = Black 5 = Yellow 8 = Brown
3 = Red 6 = Green 9 = Gray

6. Actuator Marking Style:
Blank = No Marking
A, B, C, D, E, F, G

7. Actuator Marking Color:
Blank = No Marking, W = White (Standard), B = Black

8. 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*
S25 = PC Pin with Support Bracket; *V25 = Snap-in Support Bracket*

9. Contacts:
Q = Silver Plated
R = Gold Plated
G = Gold over Silver Plated

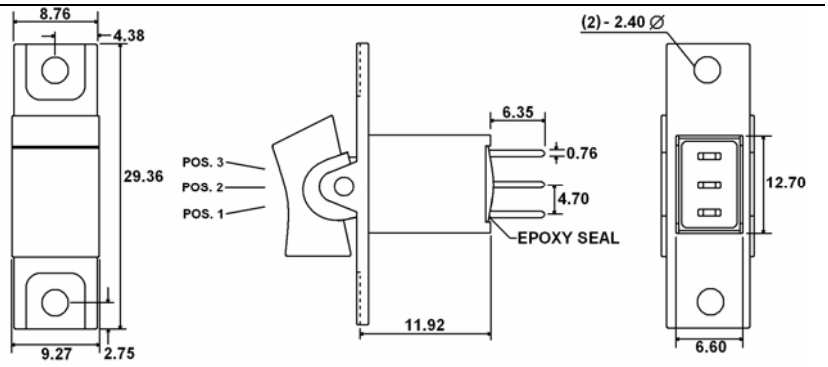
SWITCH FUNCTION



SPDT

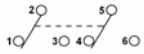


Function	Toggle Position		
1	ON	NONE	ON
2	ON	NONE	(ON)
3	ON	OFF	ON
4	(ON)	OFF	(ON)
5	ON	OFF	(ON)
Terminals	2-3	---	2-1

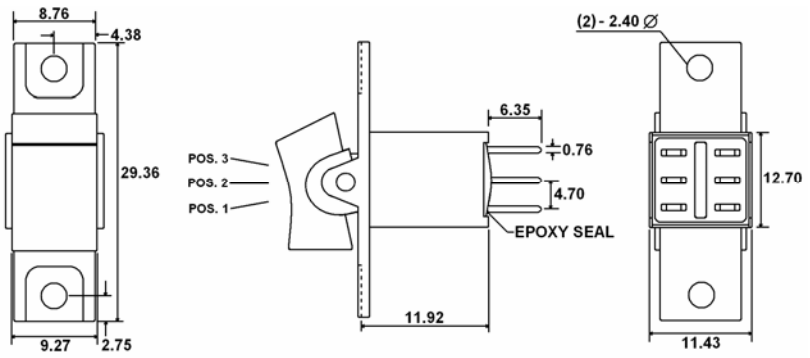




DPDT

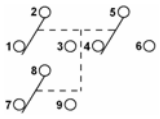


Function	Toggle Position		
1	ON	NONE	ON
2	ON	NONE	(ON)
3	ON	OFF	ON
4	(ON)	OFF	(ON)
5	ON	OFF	(ON)
Terminals	2-3	---	2-1
6	ON	ON	ON
Terminals	2-3 5-6	2-3 5-4	2-1 5-4

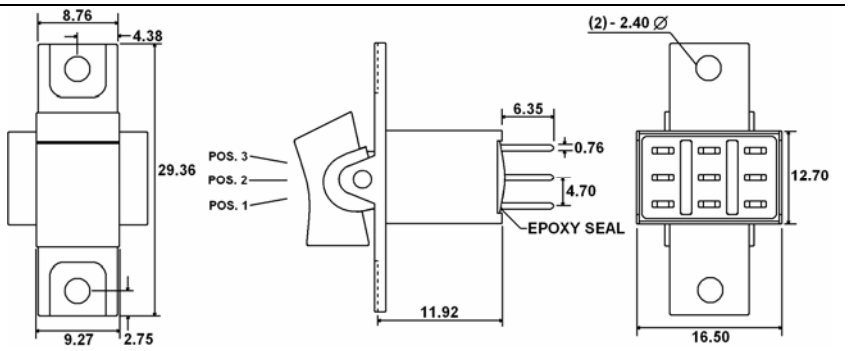




3PDT

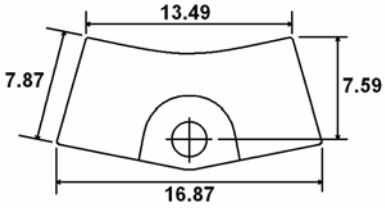


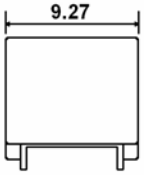
Function	Toggle Position		
1	ON	NONE	ON
2	ON	NONE	(ON)
3	ON	OFF	ON
4	(ON)	OFF	(ON)
5	ON	OFF	(ON)
Terminals	2-3 5-6 8-9	---	2-1 5-4 8-7

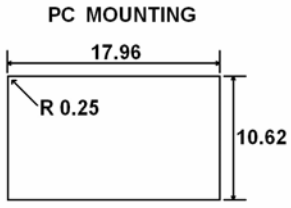


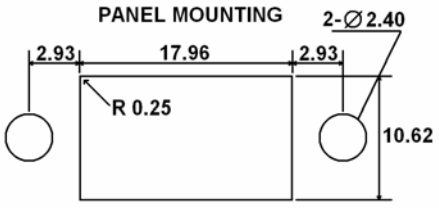
ACTUATOR OPTIONS (PC MOUNT / PANEL MOUNT)

R11P / R11



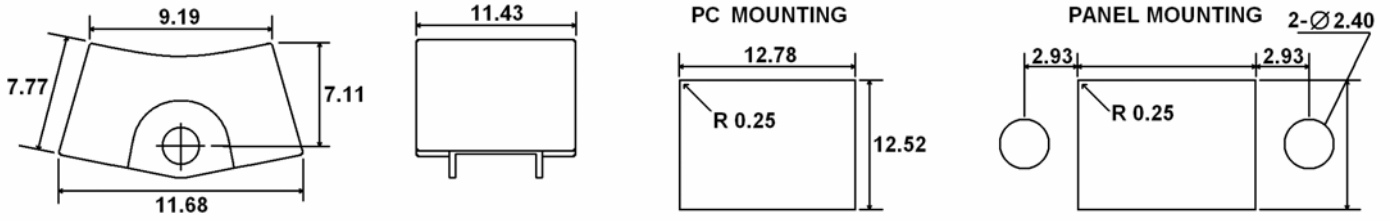




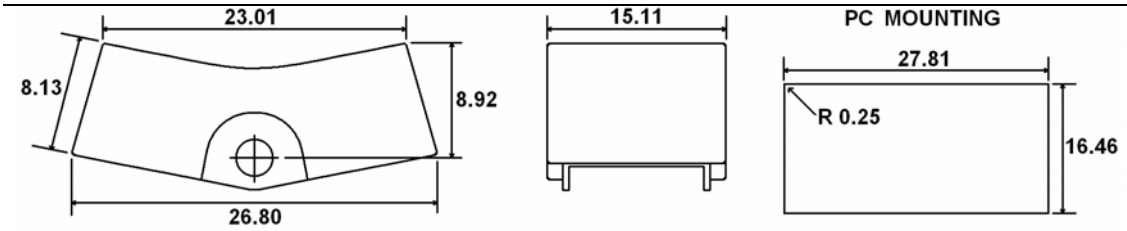


ACTUATOR OPTIONS (PC MOUNT / PANEL MOUNT)

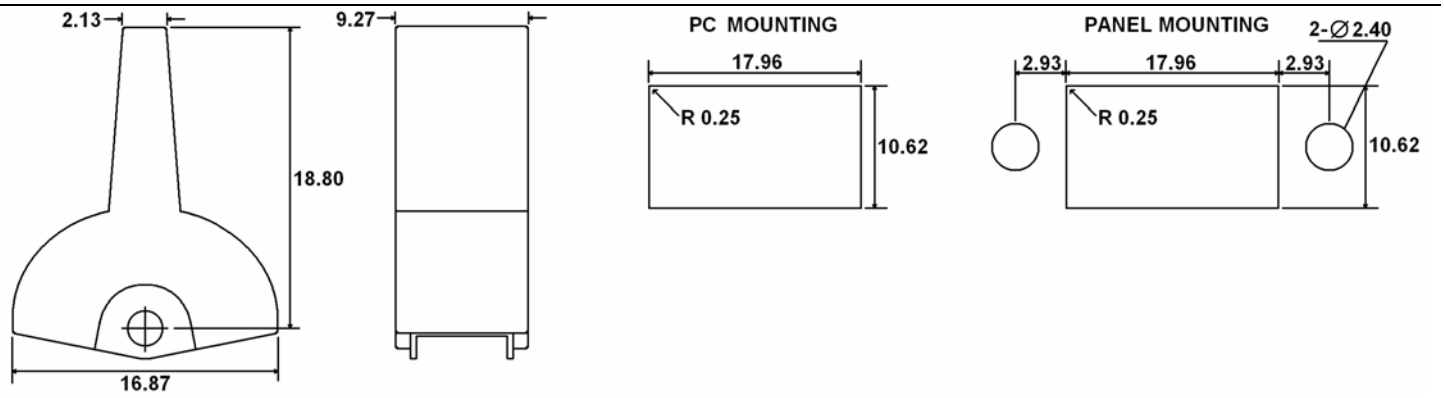
R21P / R21



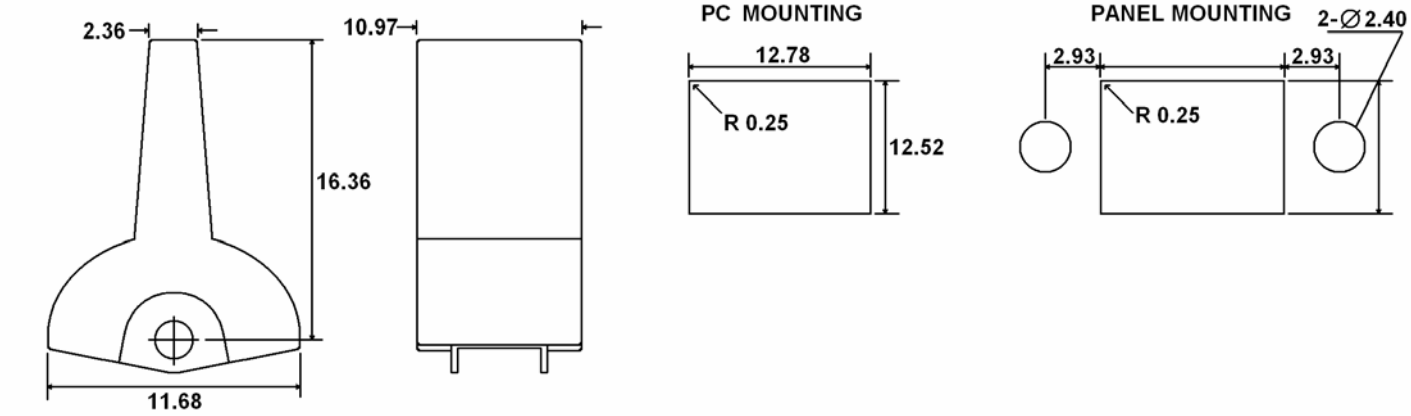
R15P



P13P / P13

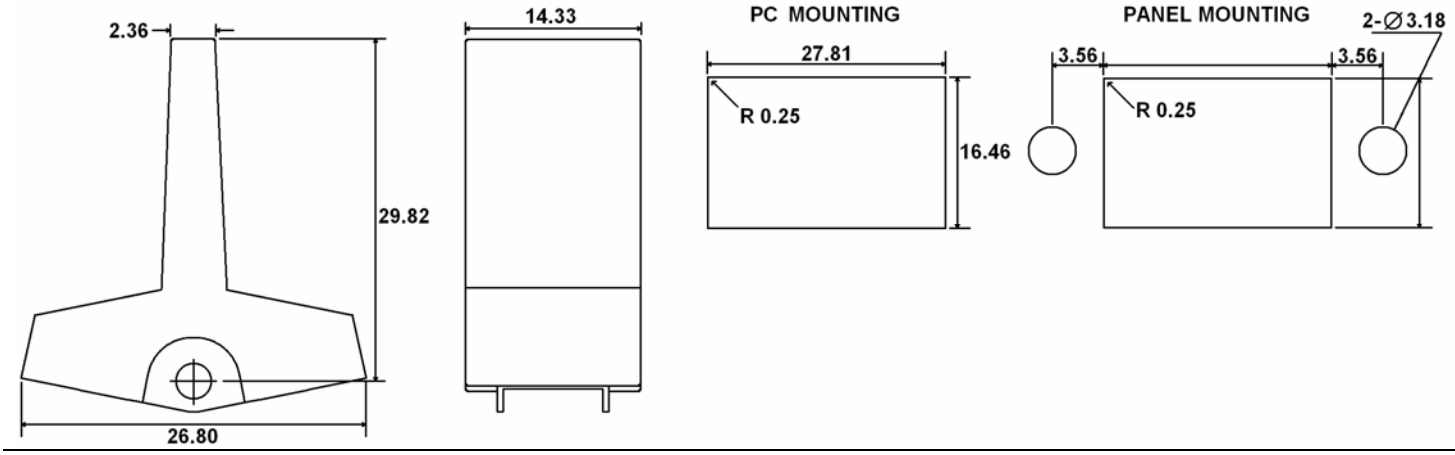


P23P / P23

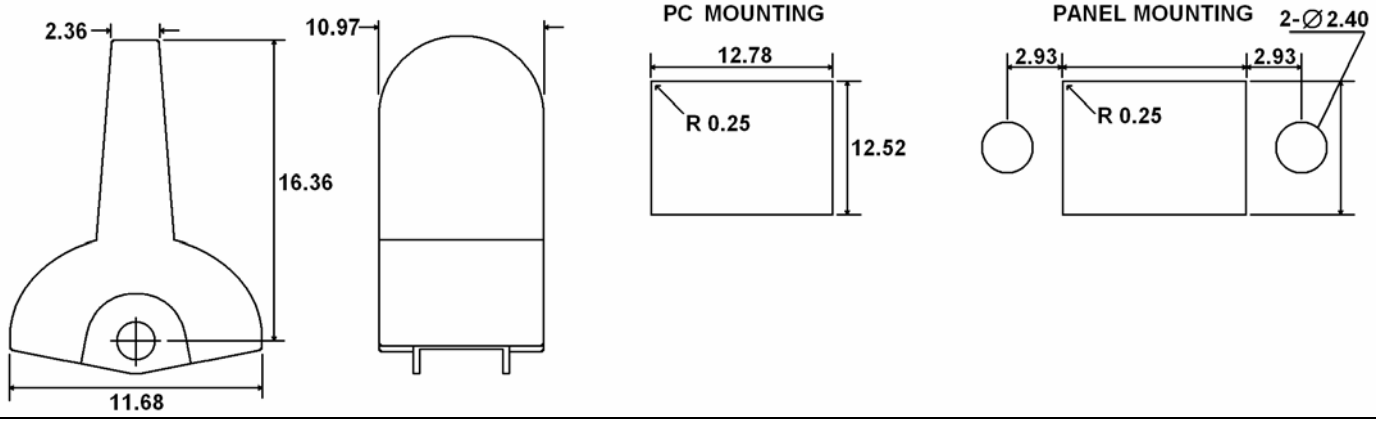


ACTUATOR OPTIONS (PANEL MOUNT / PC MOUNT)

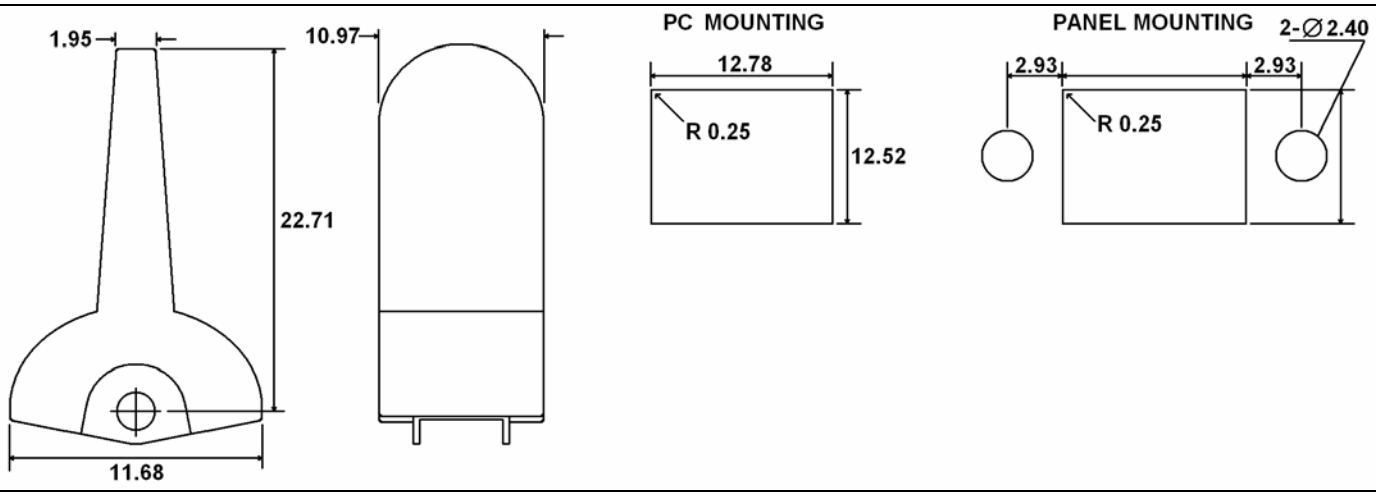
P43P



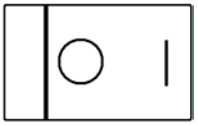
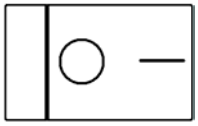
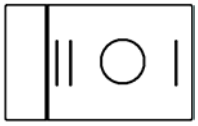
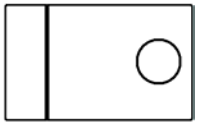
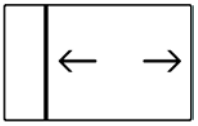
P47P



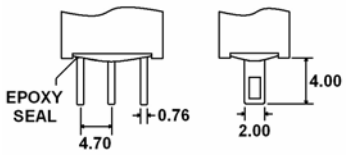
P48P



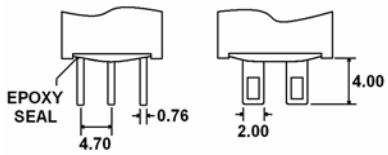
ACTUATOR MARKINGS

A	B	C	D	E	F
					

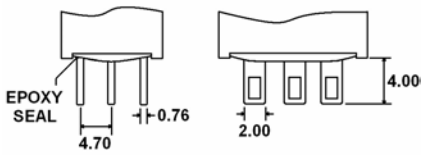
TERMINAL OPTIONS



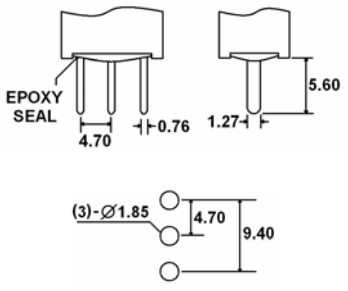
B (Single Pole)



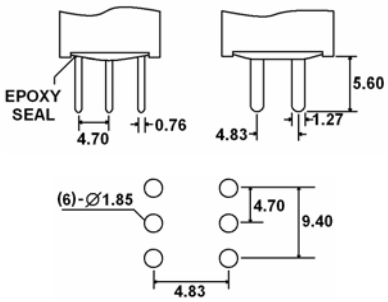
B (Double Pole)



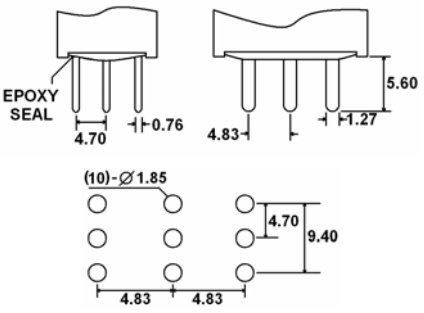
B (3 Pole)



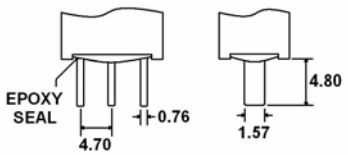
C (Single Pole)



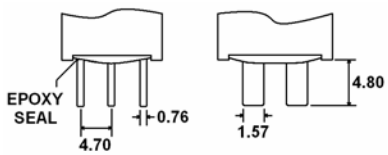
C (Double Pole)



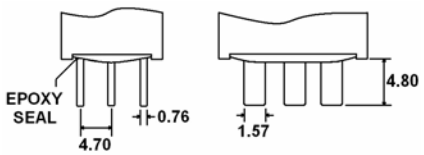
C (3 Pole)



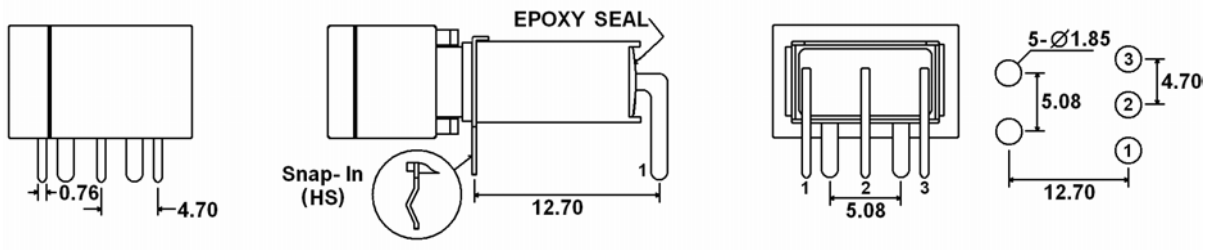
D (Single Pole)



D (Double Pole)

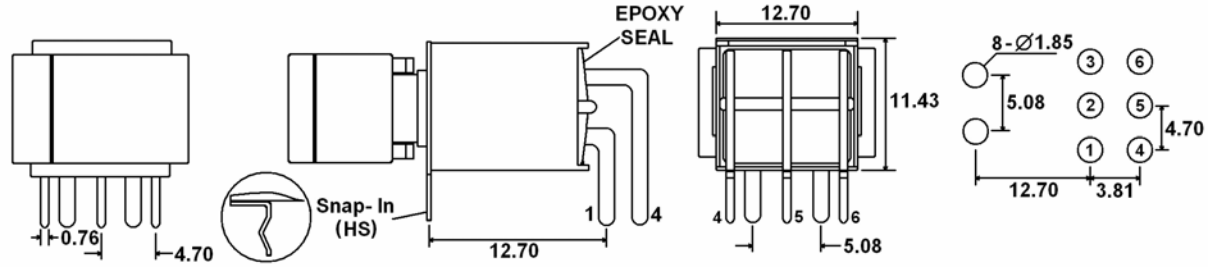


D (3 Pole)

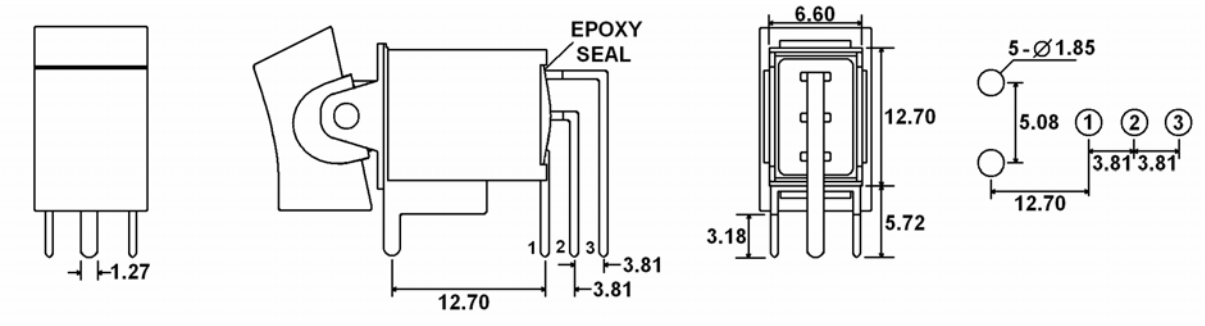


H (HS – Snap-in) = Horizontal Mount, Right Angle PC Pins (Single Pole)

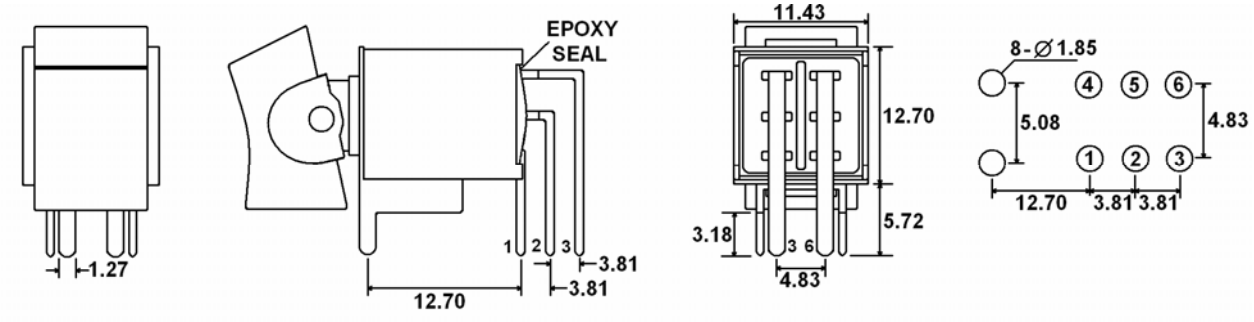
TERMINAL OPTIONS



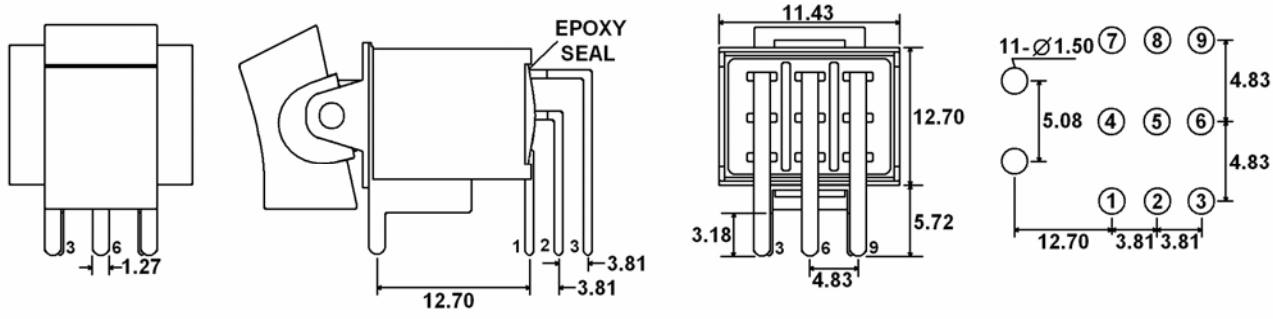
H (HS – Snap-in) = Horizontal Mount, Right Angle PC Pins (Double Pole)



V = Vertical Mount, Right Angle PC Pins (Single Pole)

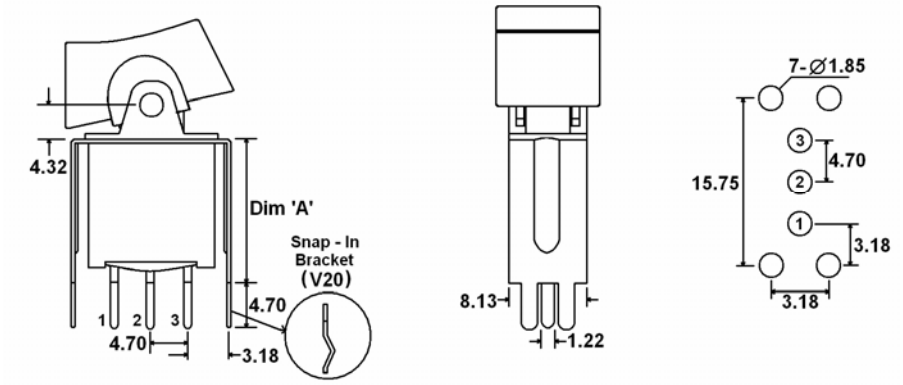


V = Vertical Mount, Right Angle PC Pins (Double Pole)



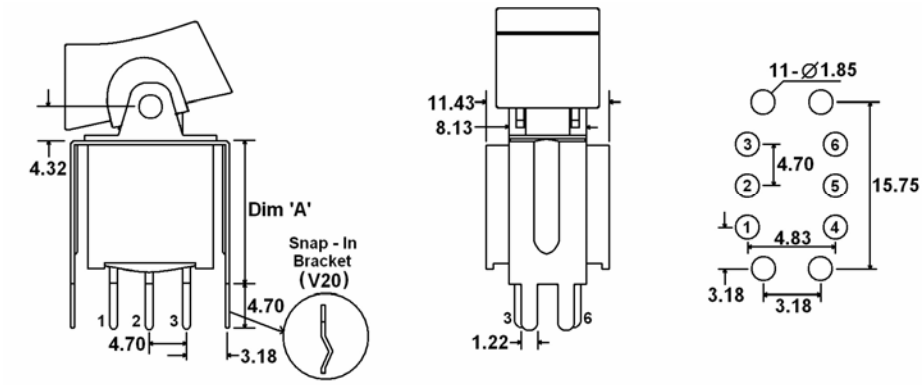
V = Vertical Mount, Right Angle PC Pins (Three Pole)

TERMINAL OPTIONS



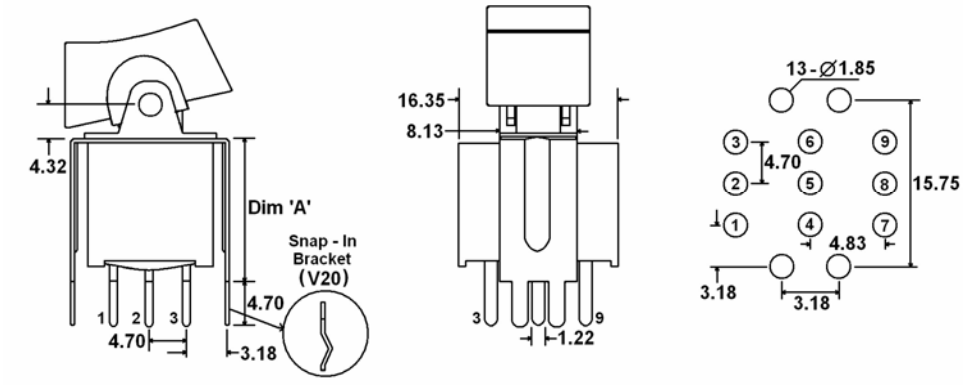
Terminal Option	"A" Dimension
S20-V20	11.68
S25-V25	16.00

S20/S25 (V20/V25 – Snap-in Bracket) = PC Pins with Support Bracket (Single Pole)



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)



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

S20/S25 (V20/V25 – Snap-in Bracket) = PC Pins with Support Bracket (Three Pole)

CONTACT OPTIONS

Designator	Contact Material	Terminal Material	Electrical Ratings
Q	Silver Plating	Silver Plating	5A @ 120VAC, 28VDC; 2A @ 250VAC
R	Gold over Nickel Plating	Gold over Nickel Plating	.4 VA max @ 20VAC or VDC max
G	Gold over Silver Plating	Gold over Silver Plating	.4 VA max @ 20VAC or VDC max or 5A @ 120VAC, 28VDC; 2A @ 250VAC

THREE WAY WIRING DIAGRAM

	POSITION 1	POSITION 2	POSITION 3
		