

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	-40°C to 85°C
Storage Temperature	-40°C to 85°C



Process Sealed

UL US - E222871






MATERIALS ←RoHS COMPLIANT

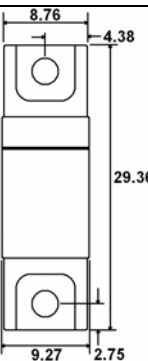
Actuator	6/6 Nylon, Glass Filled, Flame Retardant Heat Stabilized, UL94V-0
Housing	6/6 Nylon, Glass Filled, Flame Retardant Heat Stabilized, UL94V-0
Support Bracket	Brass, Tin Plated
Contacts	Copper Alloy, Silver or Gold Plated
Terminals	Copper Alloy, Silver or Gold Plated

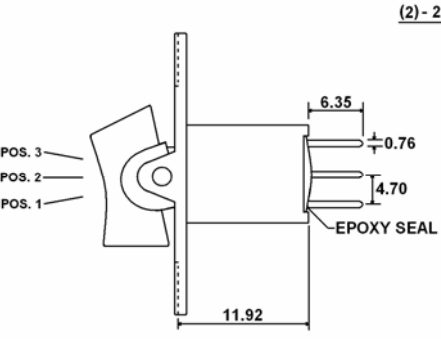
ORDERING INFORMATION

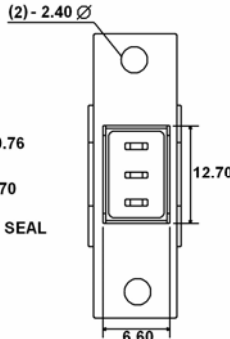
1. Series:	ASR	1	3	R11	2			C	Q
2. Number of Poles: 1 = SPDT 2 = DPDT 3 = 3PDT									
3. Switch Function: 1 = ON-NONE-ON 2 = ON-NONE-(ON) 3 = ON-OFF-ON 4 = (ON)-OFF-(ON) 5 = ON-OFF-(ON) 6 = ON-ON-ON ** See Three Way Wiring Section for Details									
4. Actuator: R11P / R11 = Rocker, PC Mount / Panel 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									





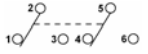
SWITCH FUNCTION

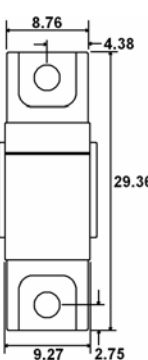
	Function	Toggle Position		
				
SPDT	1	ON	NONE	ON
	2	ON	NONE	(ON)
	3	ON	OFF	ON
	4	(ON)	OFF	(ON)
	5	ON	OFF	(ON)
	Terminals	2-3	---	2-1

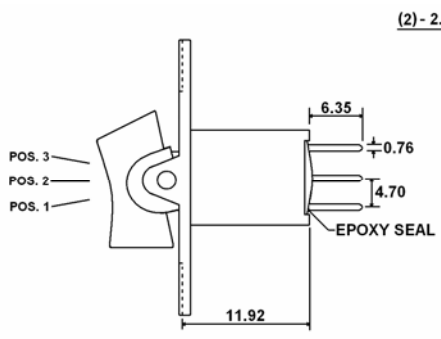


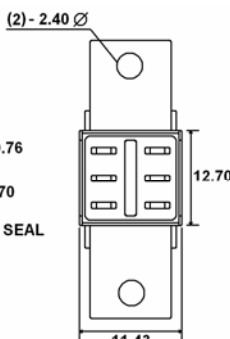






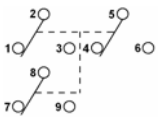


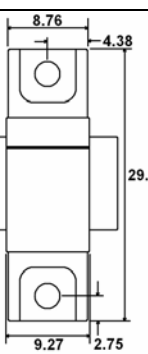
	Function	Toggle Position		
				
DPDT	1	ON	NONE	ON
	2	ON	NONE	(ON)
	3	ON	OFF	ON
	4	(ON)	OFF	(ON)
	5	ON	OFF	(ON)
	Terminals	2-3	---	2-1
6	Function	ON	ON	ON
	Terminals	2-3 5-6	2-3 5-4	2-1 5-4

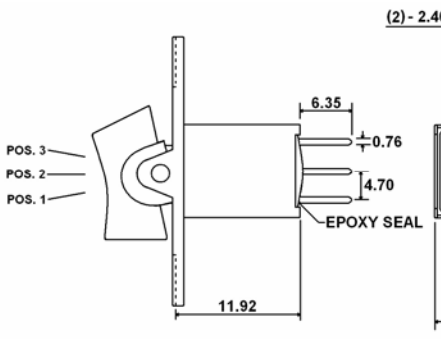


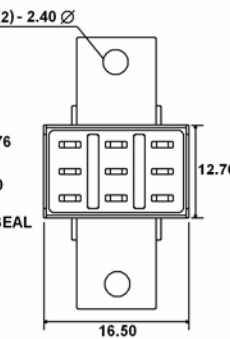




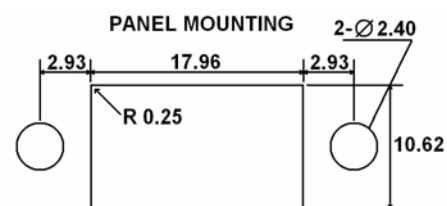
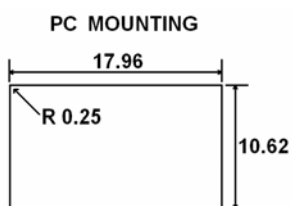
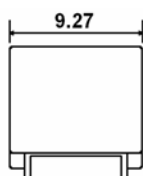
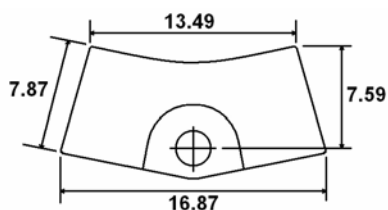
	Function	Toggle Position		
				
3PDT	1	ON	NONE	ON
	2	ON	NONE	(ON)
	3	ON	OFF	ON
	4	(ON)	OFF	(ON)
	5	ON	OFF	(ON)
	Terminals	2-3 5-6 8-9	---	2-1 5-4 8-7





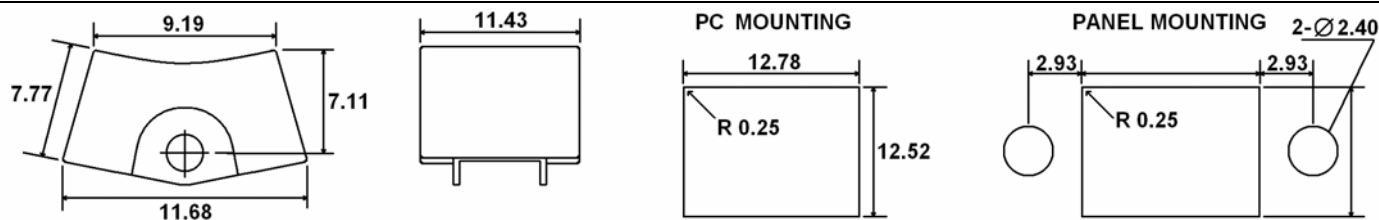


ACTUATOR OPTIONS (PC MOUNT / PANEL MOUNT) R11P / R11

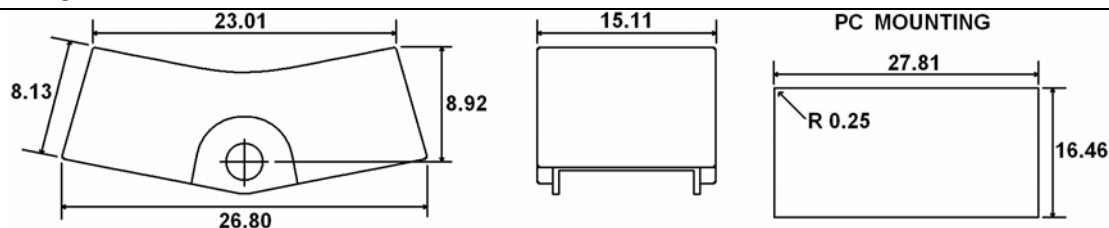


ACTUATOR OPTIONS (PC MOUNT / PANEL MOUNT)

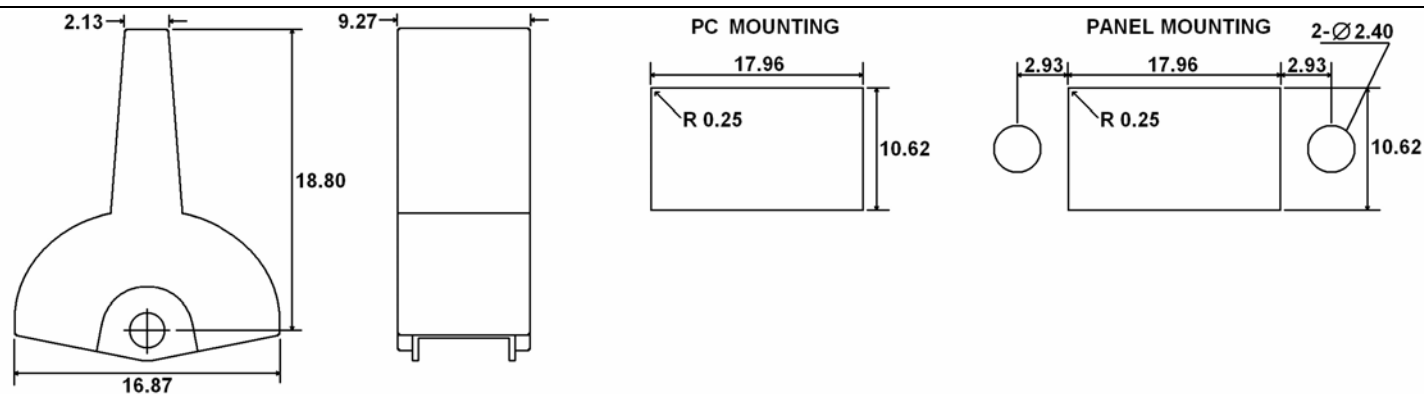
R21P / R21



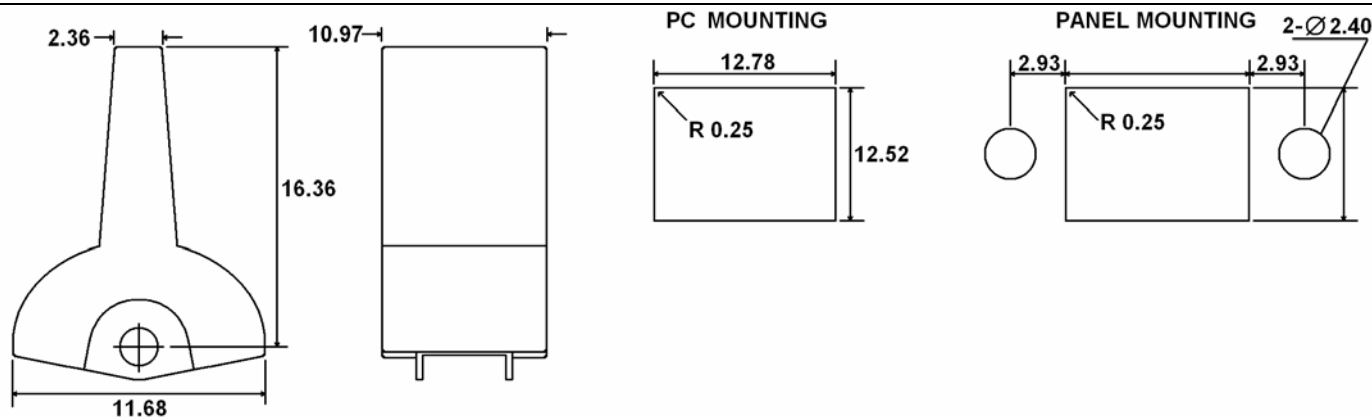
R15P



P13P / P13

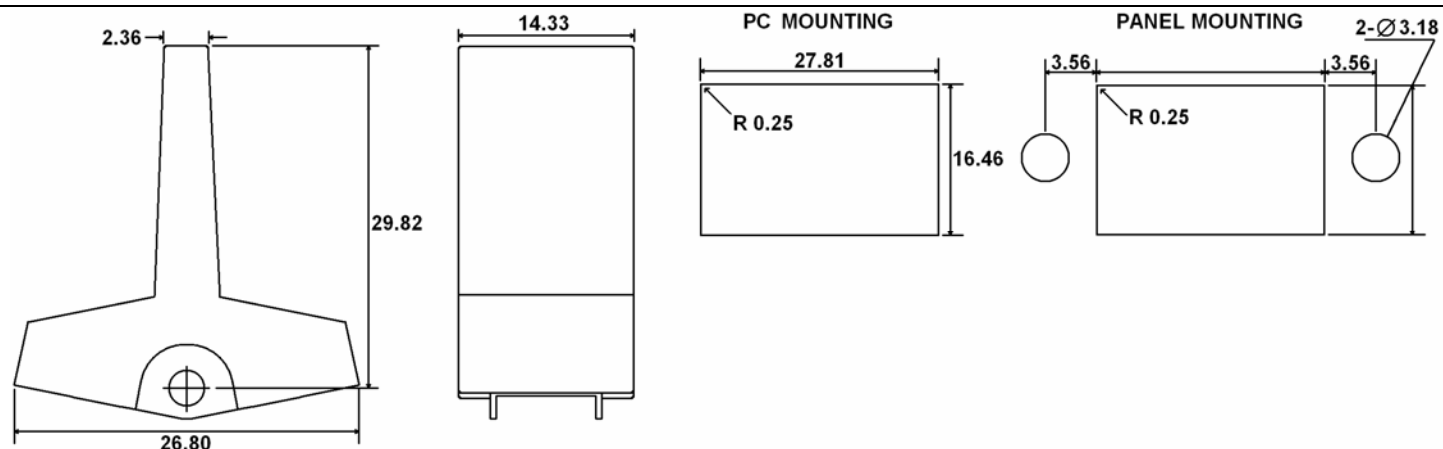


P23P / P23

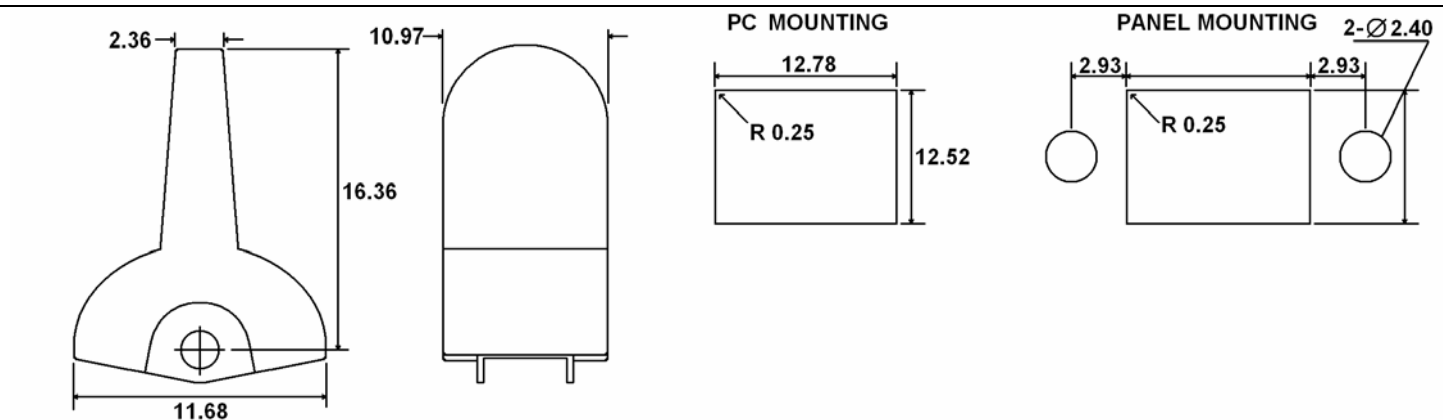


ACTUATOR OPTIONS (PANEL MOUNT / PC MOUNT)

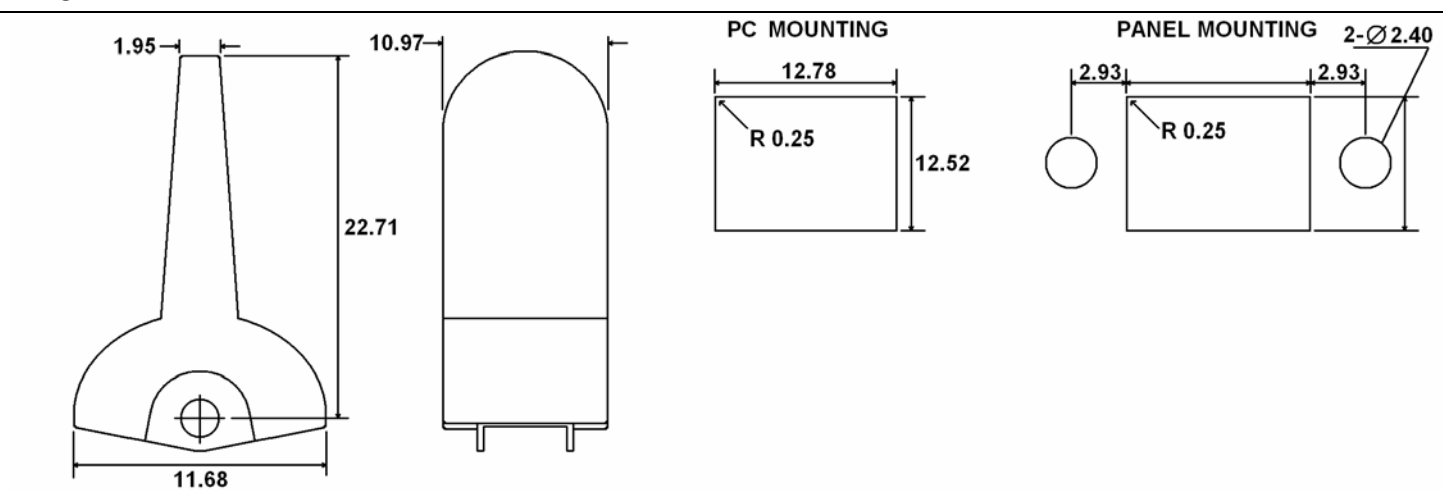
P43P



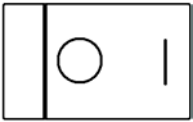
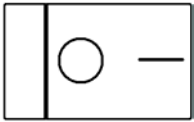
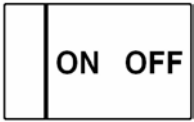
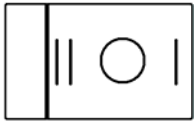
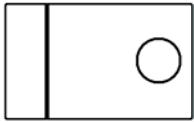
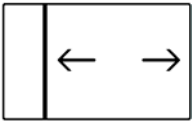
P47P



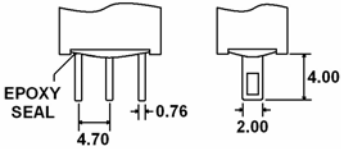
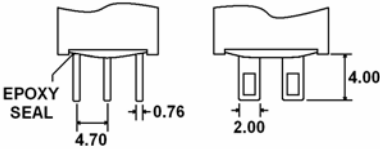
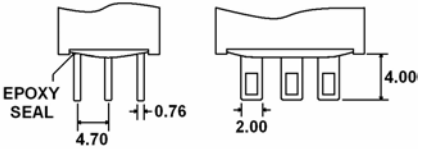
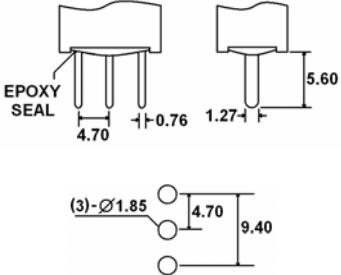
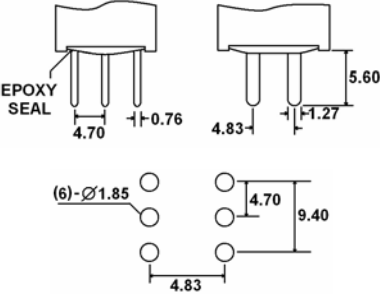
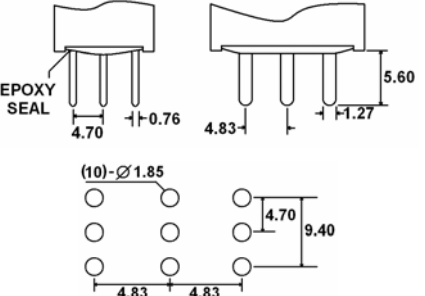
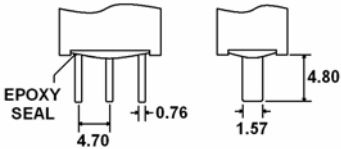
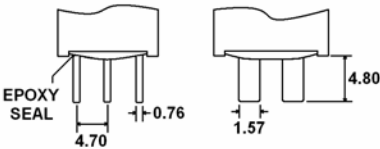
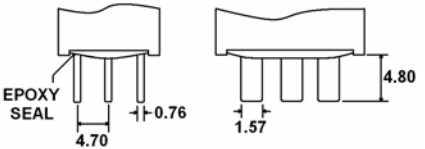
P48P

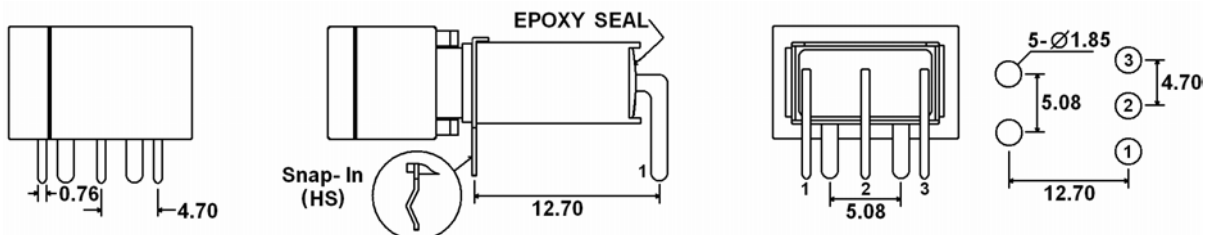


ACTUATOR MARKINGS

					
A	B	C	D	E	F

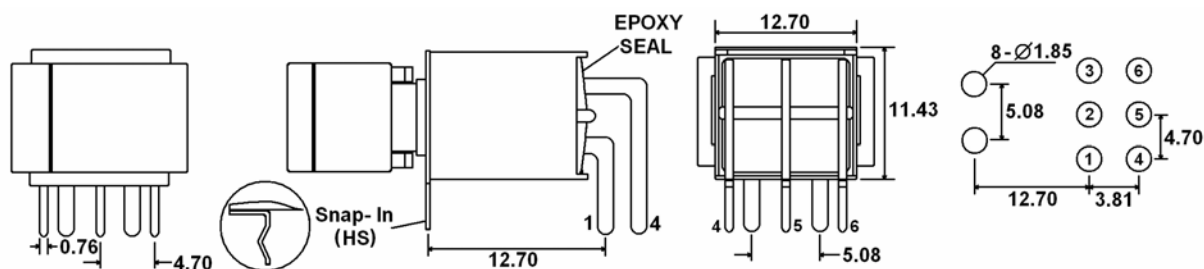
TERMINAL OPTIONS

 <p>B (Single Pole)</p>	 <p>B (Double Pole)</p>	 <p>B (3 Pole)</p>
 <p>C (Single Pole)</p>	 <p>C (Double Pole)</p>	 <p>C (3 Pole)</p>
 <p>D (Single Pole)</p>	 <p>D (Double Pole)</p>	 <p>D (3 Pole)</p>

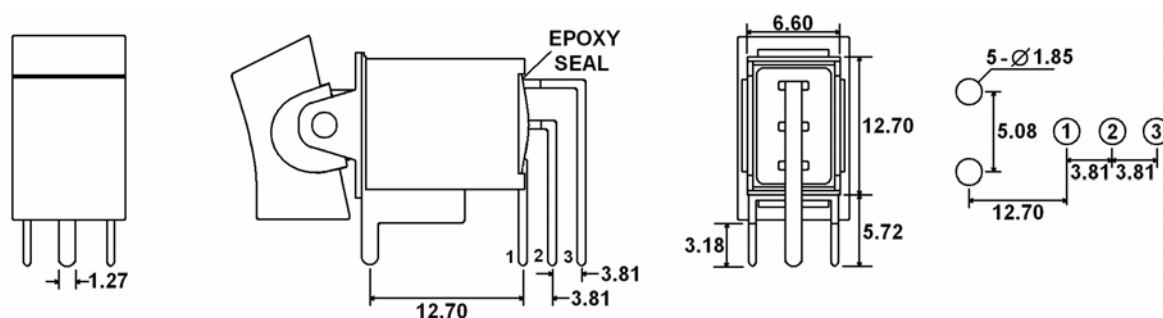


H (HS – Snap-in) = Horizontal Mount, Right Angle PC Pins (Single Pole)

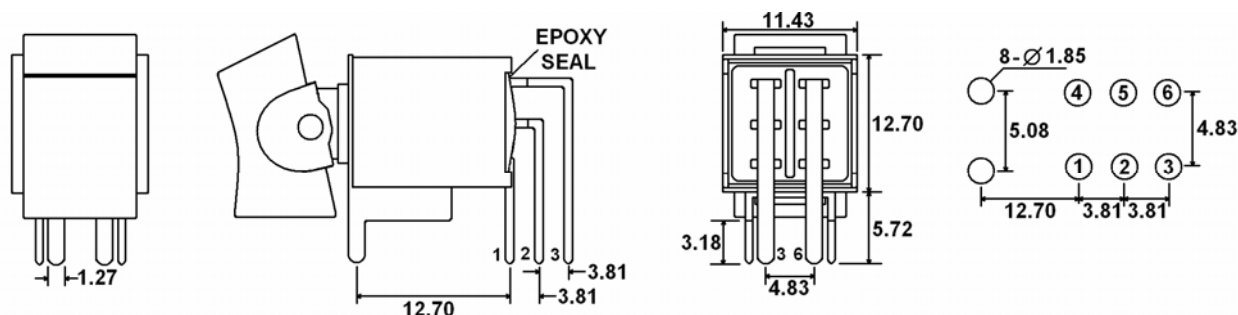
TERMINAL OPTIONS



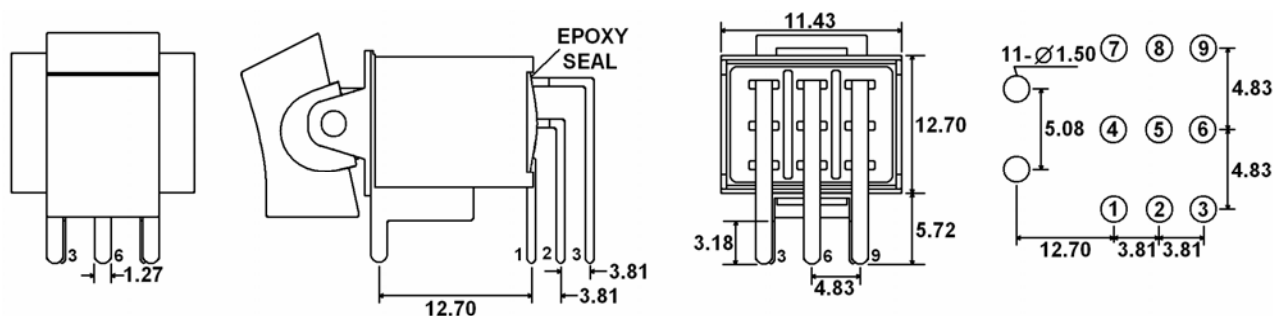
H (HS – Snap-in) = Horizontal Mount, Right Angle PC Pins (Double Pole)



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

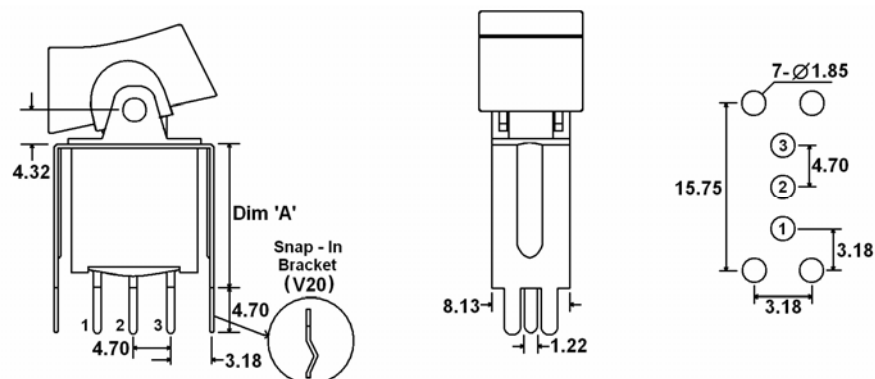


V = Vertical Mount, Right Angle PC Pins (Double Pole)



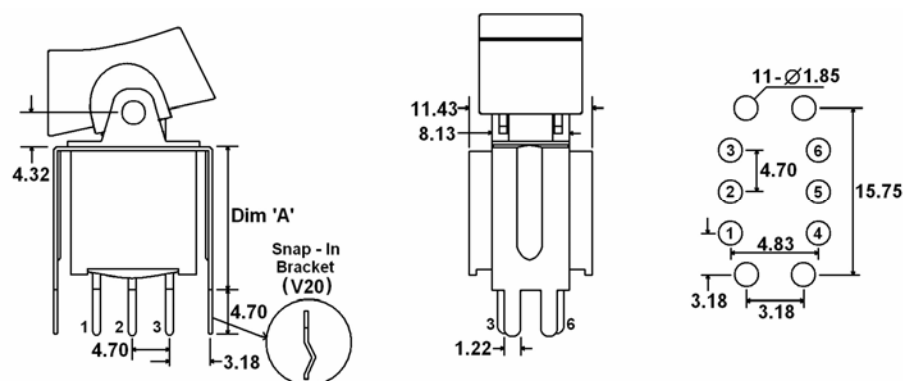
V = Vertical Mount, Right Angle PC Pins (Three Pole)

TERMINAL OPTIONS



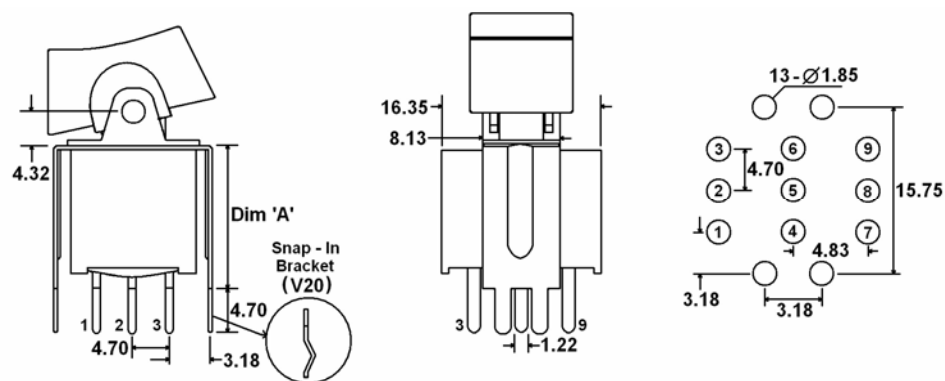
Terminal Option	"A" Dimension
S20-V20	11.68
S25-V25	16.00

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)




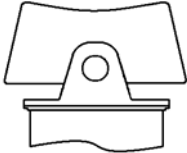


Terminal Option	"A" Dimension
S20-V20	11.68
S25-V25	16.00

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
			
Customer must wire externally	 <p>BOTTOM VIEW</p>	