

**SPECIFICATIONS**

Electrical Ratings	3A @ 120VAC, 28VDC; 1.5A @ 250VAC See contact options
Electrical Life	30,000 cycles typical
Contact Resistance	< 20 mΩ max initial @ 2-4VDC, 100mA
Dielectric Strength	1000Vrms min
Insulation Resistance	> 1,000MΩ min
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C



Process Sealed

**cULus** - E222871



**MATERIALS ←RoHS COMPLIANT**

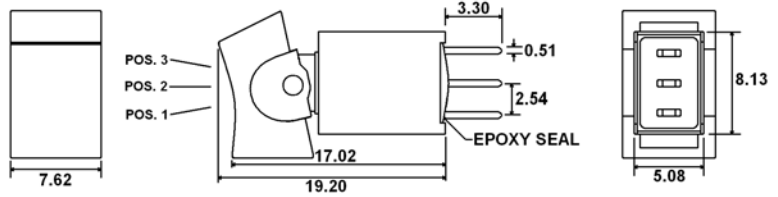
Actuator	6/6 Nylon, Glass Filled, Flame Retardant Heat Stabilized, UL94V-0
Housing	6/6 Nylon, Glass Filled, Flame Retardant Heat Stabilized, UL94V-0
Support Bracket	Brass, Tin Plated
Contacts	Copper Alloy, Silver Plated
Terminals	Copper Alloy, Silver Plated


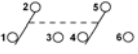
**ORDERING INFORMATION**

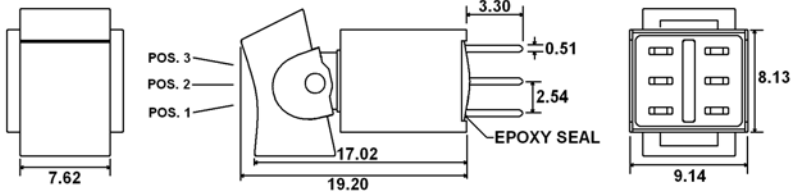
<b>Series:</b>	<b>BSR</b>	<b>1</b>	<b>3</b>	<b>R1</b>	<b>2</b>			<b>C</b>	<b>Q</b>
BSR									
<b>Number of Poles:</b>									
1 = SPDT									
2 = DPDT									
<b>Switch Function:</b>									
1 = ON-NONE-ON									
2 = ON-NONE-(ON)									
3 = ON-OFF-ON									
4 = (ON)-OFF-(ON) ** Only available in SPDT									
5 = ON-OFF-(ON) ** Only available in SPDT									
<b>Actuator:</b>									
R1 = Rocker, PC Mount									
R2 = Rocker, PC Mount									
<b>Actuator Color:</b>									
1 = White									
2 = Black									
3 = Red									
<b>Actuator Marking Style:</b>									
Blank = No Marking									
A									
B									
C									
<b>Actuator Marking Color:</b>									
Blank = No Marking									
W = White (Standard)									
B = Black									
<b>Terminals:</b>									
C = PC Pin									
H = Horizontal Mount, Right Angle PC Pin; HS = Snap-in									
V = Vertical Mount, Right Angle PC Pin; VS = Snap-in									
A5 = PC Pin with Support Bracket; A5S = Snap-in Support Bracket									
<b>Contacts:</b>									
Q = Silver Plated									
R = Gold Plated									
G = Gold over Silver Plated									

## SWITCH FUNCTION

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

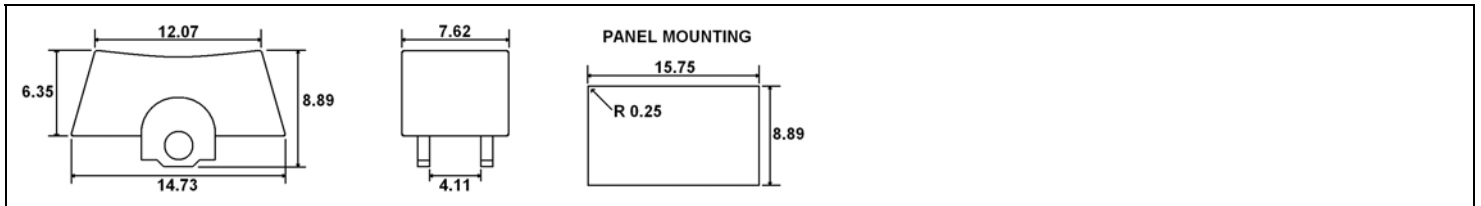


	Function	Toggle Position		
	1	ON	NONE	ON
	2	ON	NONE	(ON)
	DPDT	3	ON	OFF
	Terminals	2-3	---	2-1

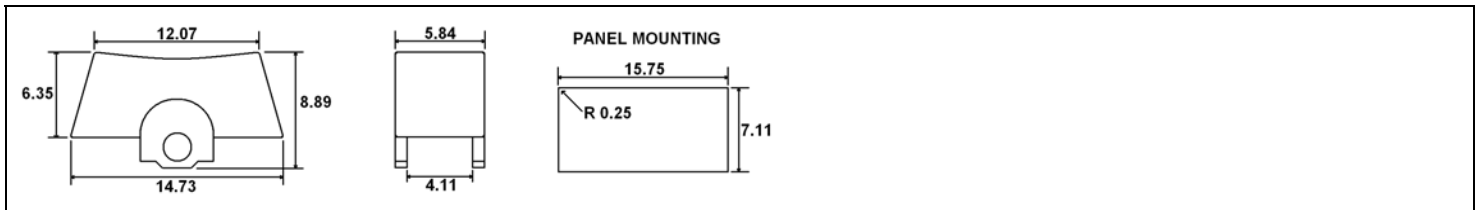


## ACTUATOR OPTIONS

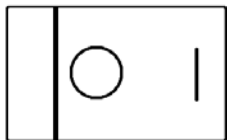
### R1



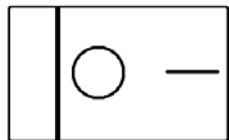
### R2



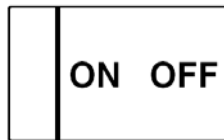
## ACTUATOR MARKINGS



**A**

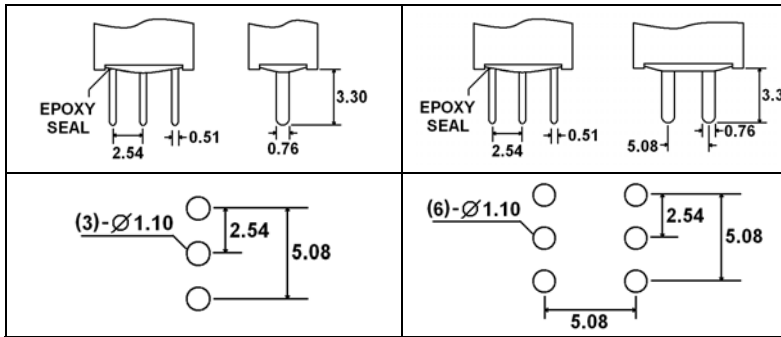


**B**



**C**

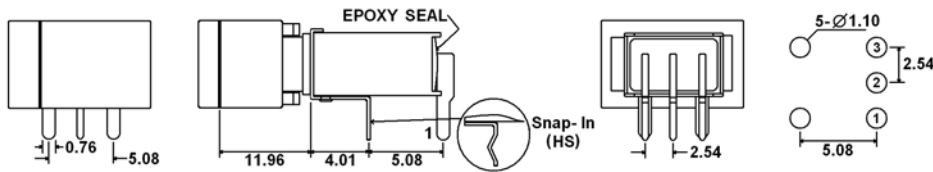
**TERMINAL OPTIONS**



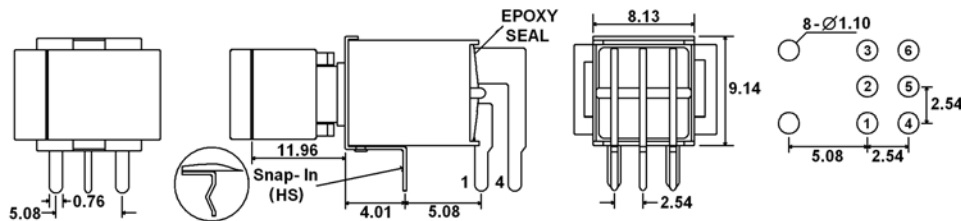
**C - SPDT**

**C - DPDT**

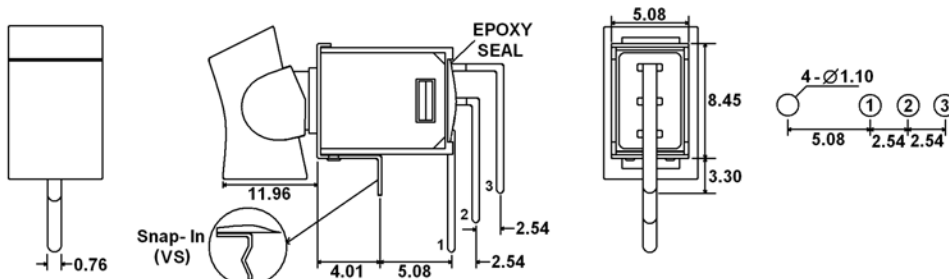
**TERMINAL OPTIONS**



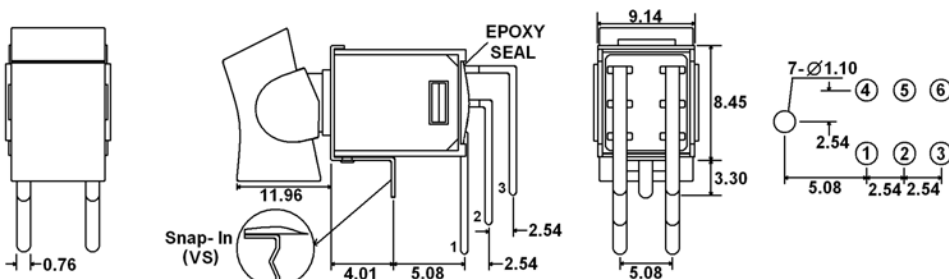
**H (HS – Snap-in) = Horizontal Mount, Right Angle PC Pins (SPDT)**



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

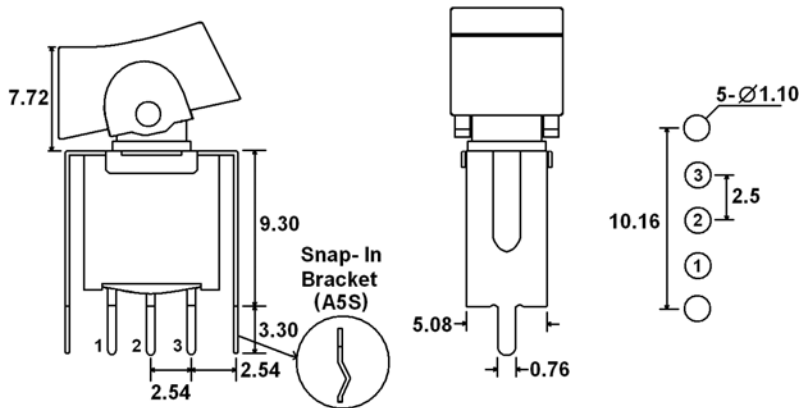


**V (VS – Snap-in) = Vertical Mount, Right Angle PC Pins (SPDT)**

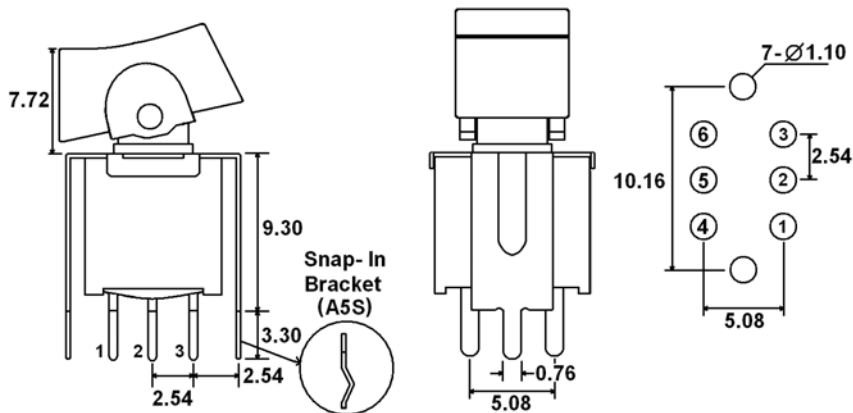


**V (VS – Snap-in) = Vertical Mount, Right Angle PC Pins (DPDT)**

## TERMINAL OPTIONS



**A5 (A5S – Snap-in Bracket) = PC Pins with Support Bracket (SPDT)**



**A5 (A5S – Snap-in Bracket) = PC Pins with Support Bracket (DPDT)**

## CONTACT OPTIONS

Designator	Contact Material	Terminal Material	Electrical Ratings
Q	Silver Plating	Silver Plating	3A @ 120VAC, 28VDC; 1.5A @ 250VAC
R	Gold over Nickel Plating	Gold over Nickel Plating	.4 VA max @ 20VAC or VAC max
G	Gold over Silver Plating	Gold over Silver Plating	.4 VA max @ 20VAC or VAC max or 3A @ 120VAC, 28VDC; 1.5A @ 250VAC