

SPECIFICATIONS

Electrical Ratings	5A @ 120VAC, 28VDC; 2A @ 250VAC See Contact Options
Electrical Life	30,000 cycles typical
Contact Resistance	< 10 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



MATERIALS ←RoHS COMPLIANT

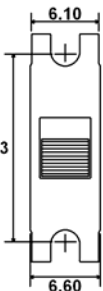
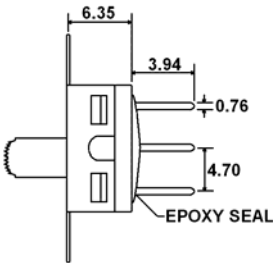
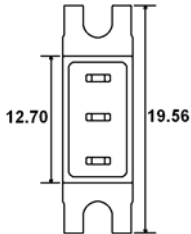
Actuator	6/6 Nylon
Housing	DAP – Diallyl Phthalate
Cover	Stainless Steel
Contacts	Copper Alloy, Silver Plated
Terminals	Brass, Silver Plated

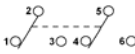
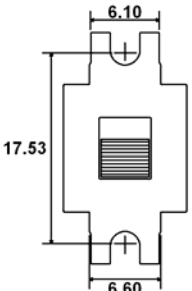
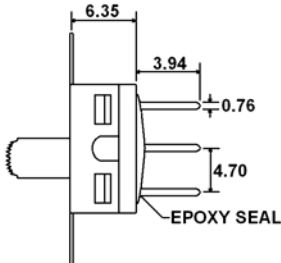
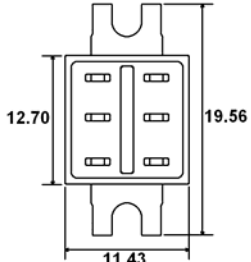
cUL [®] **us** - E222871

ORDERING INFORMATION

Series:	1	2	03	A1	B	C	E	B
Number of Poles:								
1 = SPDT								
2 = DPDT								
Switch Function:								
01 = ON-NONE-ON								
02 = ON-NONE-(ON)								
03 = ON-OFF-ON								
Actuator:								
A1 = 5.08mm								
A2 = 7.24mm								
A3 = 9.40mm								
A4 = 3.60mm								
A7 = 12.32mm								
D1 = 5.08mm								
Terminals:								
B = Solder Lug								
C = PC Pin								
D = Quick Connect								
H = Horizontal Mount, Right Angle PC Pin								
V = Vertical Mount, Right Angle PC Pin								
S20 = PC Pin with Support Bracket								
Contacts:								
Q = Silver Plated								
R = Gold Plated								
G = Gold over Silver Plated								
Epoxy Seal:								
E = Epoxy Seal								
Mounting Style:								
A = No Mounting Ears								
B = With Mounting Ears								

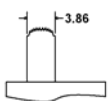
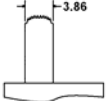
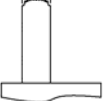
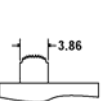
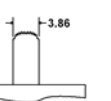
SWITCH FUNCTION

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

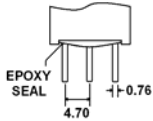
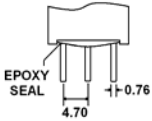
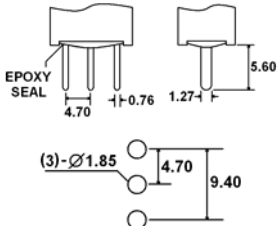
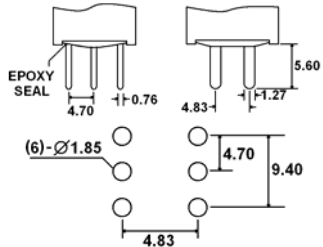
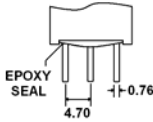
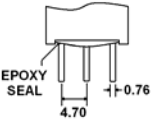
 DPDT 	Function	Toggle Position					
							
		1	2	3			
	1	ON	NONE	ON			
	2	ON	NONE	(ON)			
	3	ON	OFF	ON			
Terminals		2-3 5-6	---	2-1 5-4			

ACTUATOR OPTIONS

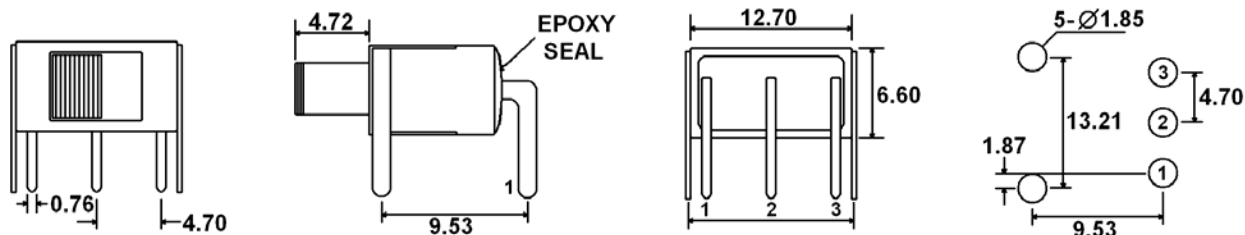
** Actuator lengths shown with B, C, D, or S20 Terminals, subtract 0.36mm for H or V terminals.

 A1	 A2	 A3	 A4	 A7	 D1
--	---	---	---	---	---

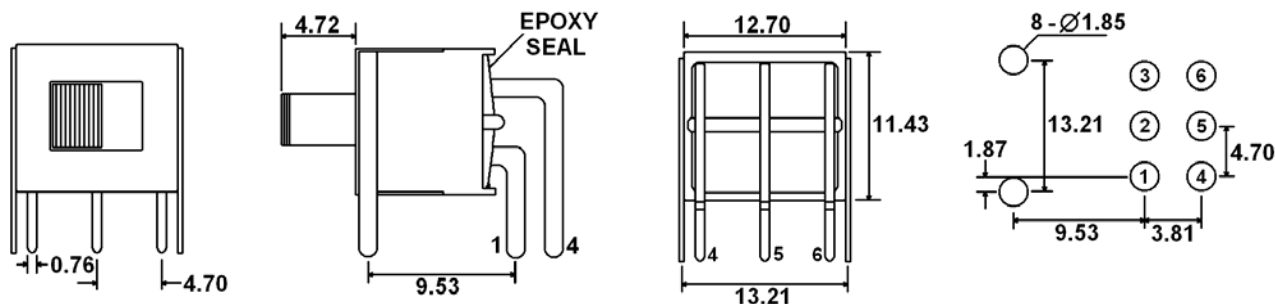
TERMINAL OPTIONS

 B (Single Pole)	 B (Double Pole)	 C (Single Pole)	 C (Double Pole)
 D (Single Pole)	 D (Double Pole)		

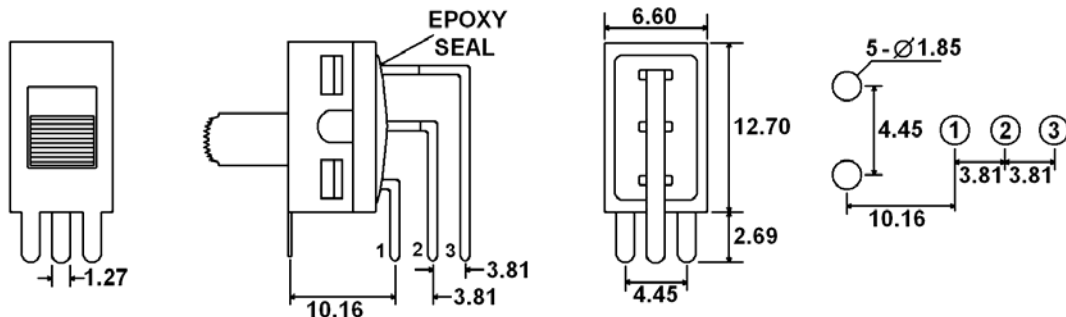
TERMINAL OPTIONS



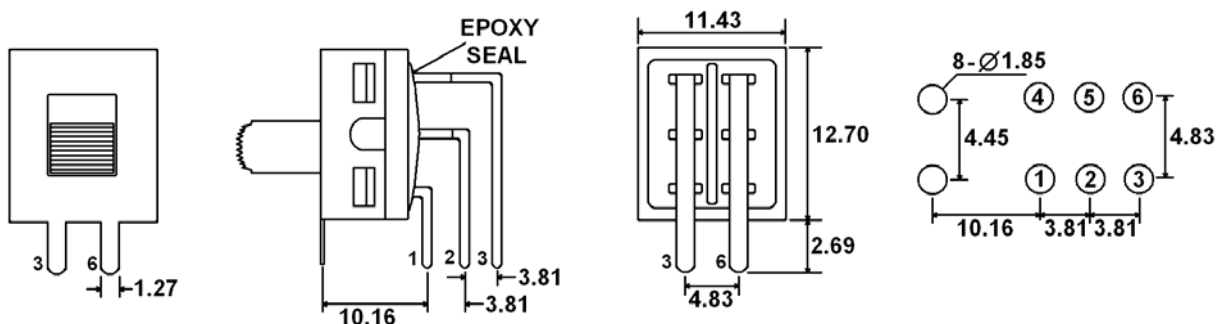
H = Horizontal Mount, Right Angle PC Pins (Single Pole)



H = Horizontal Mount, Right Angle PC Pins (Double Pole)

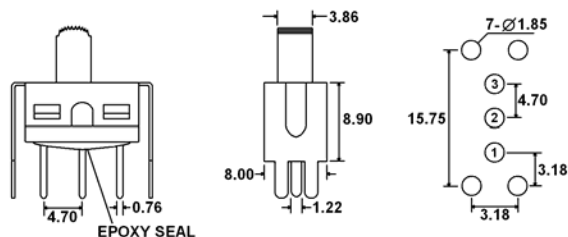


V = Vertical Mount, Right Angle PC Pins (Single Pole)

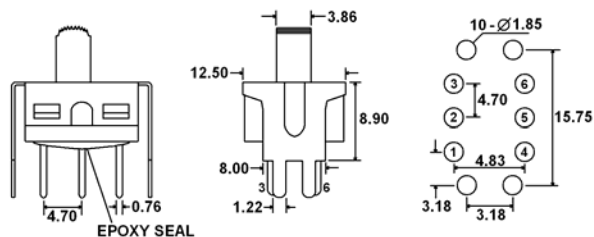


V = Vertical Mount, Right Angle PC Pins (Double Pole)

TERMINAL OPTIONS



S20 = PC Pins with Support Bracket (Single Pole)



S20 = PC Pins with Support Bracket (Double 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 VAC max
G	Gold over Silver Plating	Gold over Silver Plating	.4 VA max @ 20VAC or VAC max or 5A @ 120VAC, 28VDC; 2A @ 250VAC

MOUNTING OPTIONS

For A1, A2, A3, & A4 Switch Functions 1 & 2 A = No Mounting Ears	For D1 Switch Functions 1 & 2 A = No Mounting Ears	For A1, A2, A3, & A4 Switch Function 3 A = No Mounting Ears	For D1 Switch Function 3 A = No Mounting Ears
For A1, A2, A3, & A4 Switch Functions 1 & 2 B = Mounting Ears	For D1 Switch Functions 1 & 2 B = Mounting Ears	For A1, A2, A3, & A4 Switch Function 3 B = Mounting Ears	For D1 Switch Function 3 B = Mounting Ears