

ANR

- - **E222871**

- Wide variety of applications from consumer electronics to commercial
- Standard epoxy sealed terminations
- Gold contacts available for low power applications
- Available support brackets for greater stability
- Up to four poles with five functions available
- Many rocker and paddle styles to choose from
- Wide variety of terminal options

SPECIFICATIONS

Electrical Ratings	5A @ 120VAC, 28VDC; 2A @ 250VAC
	See Contact Options
Electrical Life	50,000 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

MATERIALS ← RoHS COMPLIANT

Actuator	ABS
Housing	DAP – Diallyl Phthalate
Frame	6/6 Nylon
Bushing	Brass or Zinc, Nickel Plated
Contacts	Copper Alloy, Silver Plated
Terminals	Brass, Silver Plated



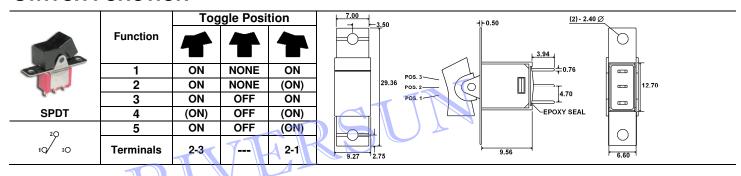


ORDERING INFORMATION

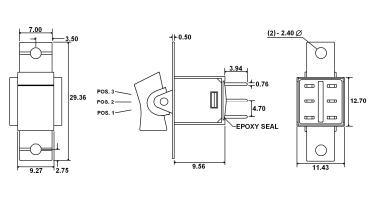




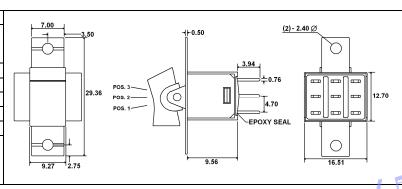
SWITCH FUNCTION



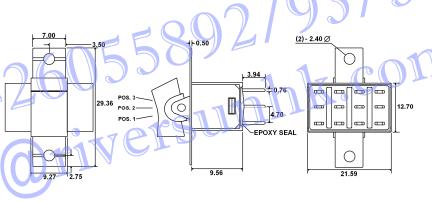
		Tog	gle Posi	tion
	Function	4	1	1
	1	ON	NONE	ON
7	2	ON	NONE	(ON)
of the same	3	ON	OFF	ON
	4	(ON)	OFF	(ON)
	5	ON	OFF	(ON)
DPDT	Terminals	2-3 5-6		2-1 5-4
20 50	6	ON	ON	ON
20 50 10 30 40 60	Terminals	2-3 5-6	2-3 5-4	2-1 5-4



		Tog	gle Posi	tion
0	Function	4	1	1
	1	ON	NONE	ON
My way	2	ON	NONE	(ON)
-	3	ON	OFF	ON
3PDT	4	(ON)	OFF	(ON)
29 59	5	ON	OFF	(ON)
10 30 40 60	Terminals	2-3 5-6 8-9		2-1 5-4 8-7



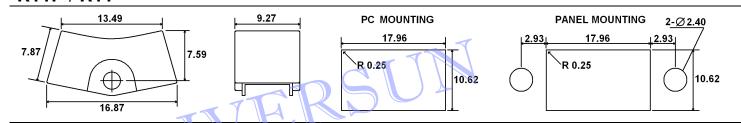
		Tog	gle Posi	tion
	Function	4	*	
	1	ON	NONE	ON
	2	ON	NONE	(ON)
The same	3	ON	OFF	ON
	4	(ON)	OFF	(ON)
	5	ON	OFF	(ON)
4PDT	Terminals	2-3 5-6 8-9 11-12		2-1 5-4 8-7 11-10
2 5	6	ON	ON	ON
10 30 40 60	Terminals	2-3 5-6 8-9	2-3 5-4 8-9	2-1 5-4 8-7
70/ 90100/ 120		11-12	11-10	11-10



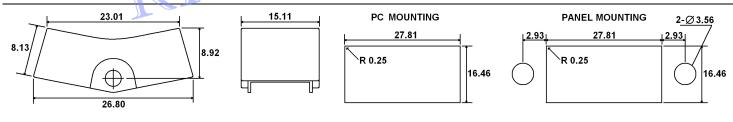




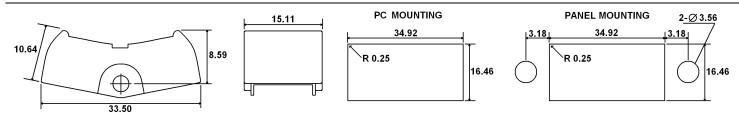
ACTUATOR OPTIONS (PC MOUNT / PANEL MOUNT) R11P / R11



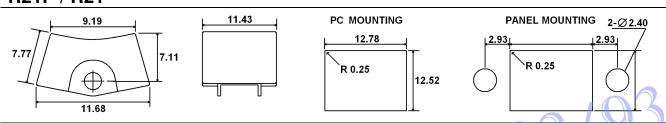
R15P / R15



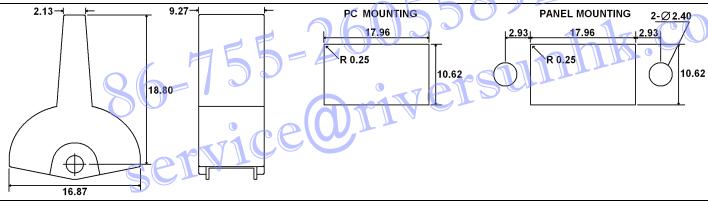
R19P / R19



R21P / R21



P13P / P13

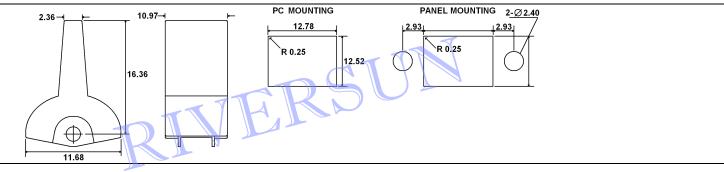




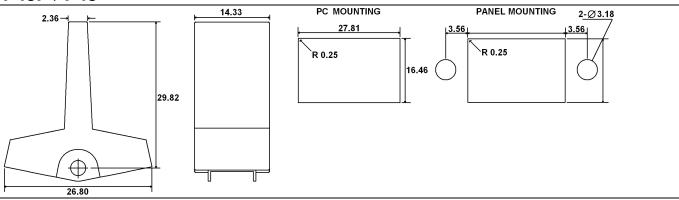


ACTUATOR OPTIONS (PC MOUNT / PANEL MOUNT)

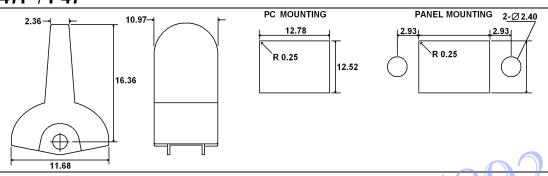
P23P / P23



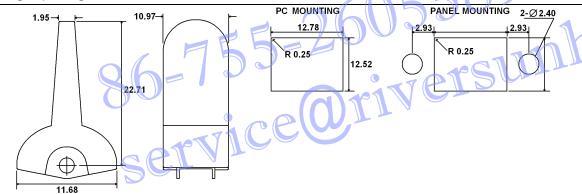
P43P / P43



P47P / P47



P48P / P48

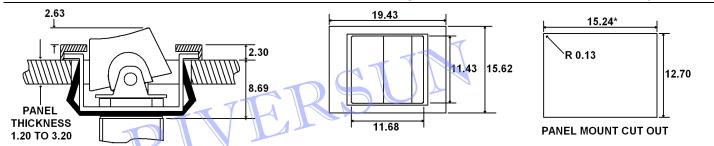




ACTUATOR OPTIONS (SNAP-IN PANEL MOUNT)

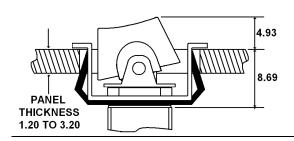
R12

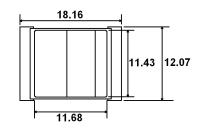
** Increase the length dimension to 15.75/15.88 for 1.50/3.20 thick panels

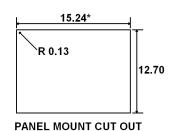


R22

** Increase the length dimension to 15.75/15.88 for 1.50/3.20 thick panels

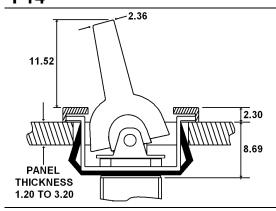


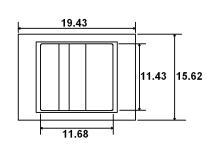


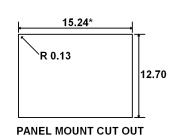


P14

 ** Increase the length dimension to 15.75/15.88 for 1.50/3.20 thick panels

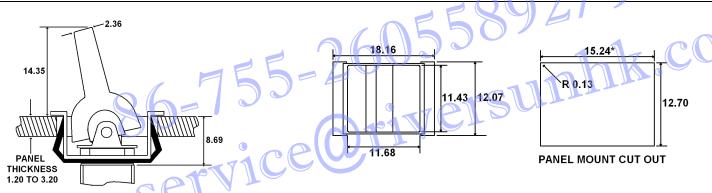






P24

** Increase the length dimension to 15.75/15.88 for 1.50/3.20 thick panels

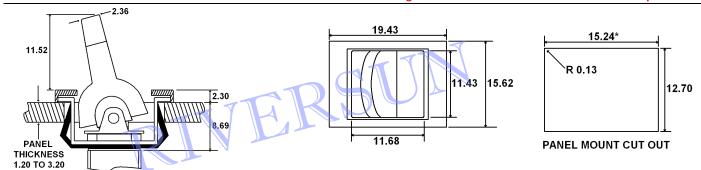




ACTUATOR OPTIONS (SNAP-IN PANEL MOUNT)

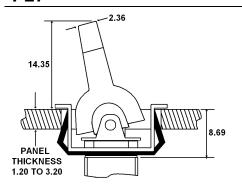
P17

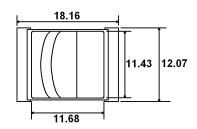
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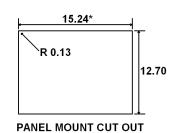


P27

** Increase the length dimension to 15.75/15.88 for 1.50/3.20 thick panels

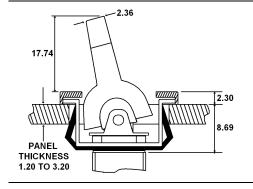


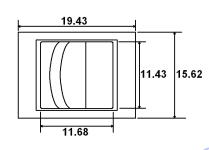


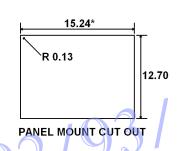


P18

** Increase the length dimension to 15.75/15.88 for 1.50/3.20 thick panels

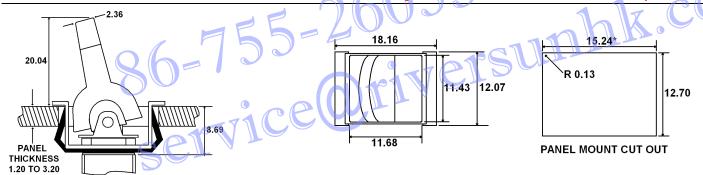






P28

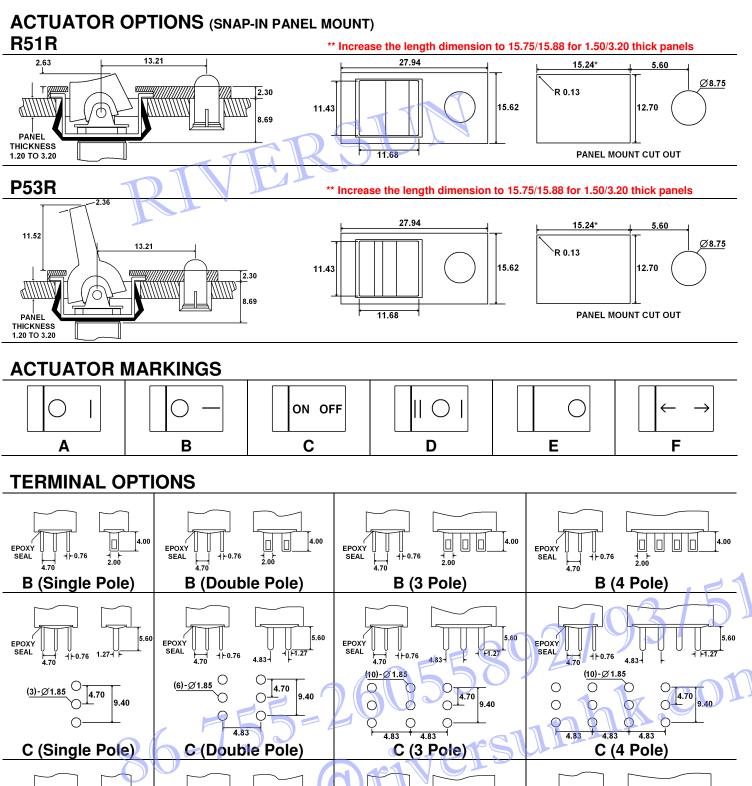
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D (Single Pole)

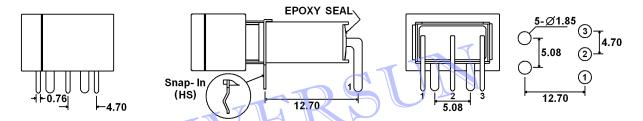


D (4 Pole)

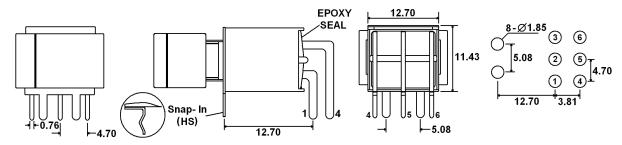
D (3 Pole)

D (Double Pole)

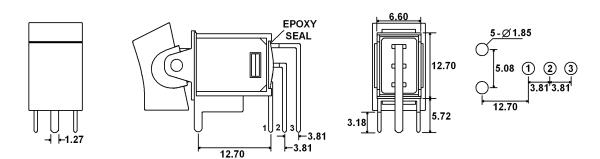




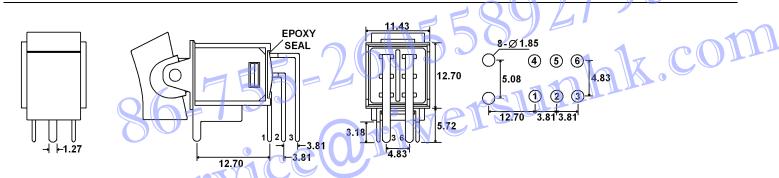
H (HS – Snap-in) = Horizontal Mount, Right Angle PC Pins (Single Pole)



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

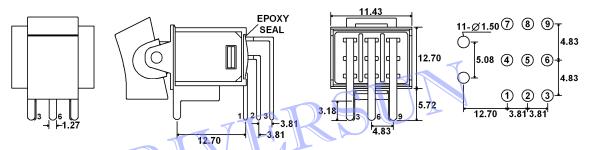


V = Vertical Mount, Right Angle PC Pins (Single Pole)

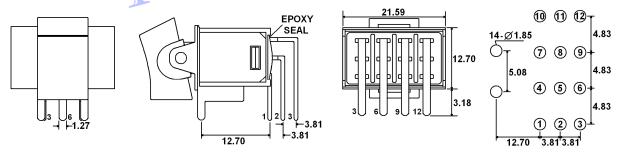


V = Vertical Mount, Right Angle PC Pins (Double Pole)

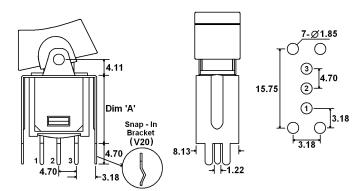




V = Vertical Mount, Right Angle PC Pins (Three Pole)

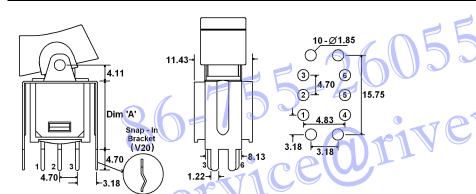


V = Vertical Mount, Right Angle PC Pins (Four Pole)



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

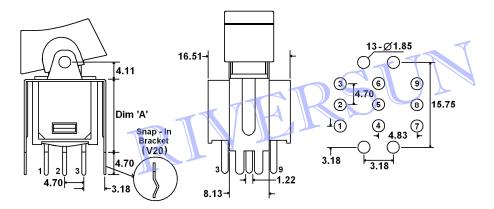
S20/S25 (V20/V25 – Snap-in Bracket) = PC Pins with Support Bracket (Single Pole)



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

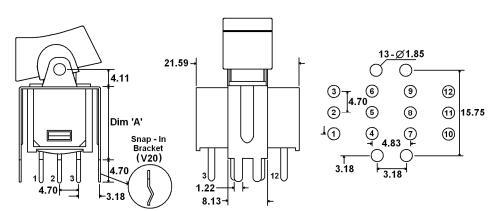
S20/S25 (V20/V25 - Snap-in Bracket) = PC Pins with Support Bracket (Double Pole)





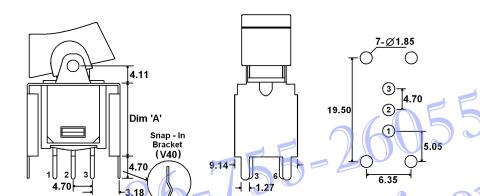
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S20-V20	11.68
S25-V25	16.00

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

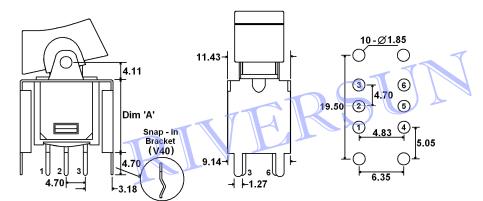
S20/S25 (V20/V25 – Snap-in Bracket) = PC Pins with Support Bracket (Four Pole)



Terminal Option	"A" Dimension
S35-V35	11.68
S40-V40	16.00

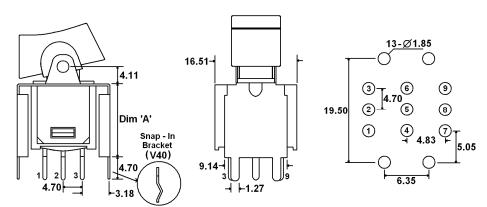
S40 (V40 – Snap-in Bracket) = PC Pins with Support Bracket (Single Pole)





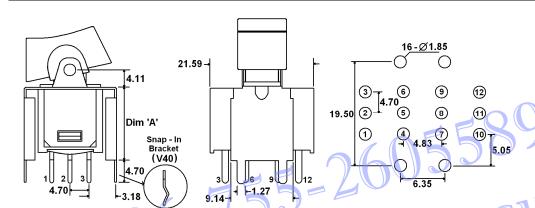
Terminal Option	"A" Dimension
S35-V35	11.68
S40-V40	16.00

S40 (V40 – Snap-in Bracket) = PC Pins with Support Bracket (Double Pole)



Terminal Option	"A" Dimension
S35-V35	11.68
S40-V40	16.00

S40 (V40 – Snap-in Bracket) = PC Pins with Support Bracket (Three Pole)



Terminal Option	"A" Dimension	
S35-V35	11.68	
S40-V40	16.00	

S40 (V40 - Snap-in Bracket) = PC Pins with Support Bracket (Four 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
		- 77	5A @ 120VAC, 28VDC; 2A @ 250VAC

THILL WAT WITHING DIAGRAM						
	POSITION 1	POSITION 2	POSITION 3			
P						
Customer must wire externally 6	OUT (6) (3) (5) (2) IN (4) (1)	6 3 5 2 IN оит 4 1	© 3 © 2)IN 4 1)OUT			
BOTTOM VIEW						
	POSITION 1	POSITION 2	POSITION 3			
Customer must wire externally 12 9 6 3 11 8 5 2 10 7 4 1	OUT (2) 9 OUT (6) 3 (7) (1) (8) N (5) (2) N (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	19	19 9 6 3 11 8) IN 5 2) IN 10 7) ООИТ 4 1) ООИТ			

