



- 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 m Ω 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

$\textbf{MATERIALS} \leftarrow \textbf{Rohs compliant}$

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

							-	_
1. Series:	ANR	1	1	R11	2	В	Q	E
ANR								
2. Number of Poles:								
1 = SPDT								
2 = DPDT								
3 = 3PDT								
4 = 4PDT								
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 Sectio	n for Details					
4. Actuator:	Thee way	Winny Oectio						
R11P / R11 = Rocker,	PC Mount /	Panel Mount						
R15P / R15 = Rocker,								
R19P / R19 = Rocker,								
R21P / R21 = Rocker,								
P13P / P13 = Paddle, I								
P23P / P23 = Paddle, I								
P43P / P43 = Paddle, I								
P47P / P47 = Paddle, I								
P48P / P48 = Paddle, I								
				Panel Mount w/o Frame				
				Panel Mount w/o Frame				
				Panel Mount w/o Frame				
P18 / P28 = Paddle, Sr	nap-in Pane	I Mount w/ Fra	ame / Snap-in F	Panel Mount w/o Frame				
R51R = Rocker, Snap-								
P53R = Rocker, Snap-								
5. Actuator Color:								
1 = White	4 = Yellow	7 =	Blue					
2 = Black	5 = Green		Brown					
3 = Red	6 = Orange		Gray					
6. Frame Color:		v –	anay		_			
1 = White	4 = Yellow	7 =	Blue I	Blank = No Frame				
2 = Black	5 = Green		Brown	Siant = No Frame				
3 = Red								
	6 = Orange	5 5=	Gray					
7. Actuator Marking St	yie.							
Blank = No Marking								
A, B, C, D, E, F, G	Nori							
8. Actuator Marking Co		Standard) P	Black					
Blank = No Marking, V	v = vvriite (3)	Stanuard), B =						
9. Terminals:								
B = Solder Lug								
C = PC Pin								
D = Quick Connect								
H = Horizontal Mount,			= Snap-in					
V = Vertical Mount, Ri								
S20 or S25 = PC Pin w								
S35 or S40 = PC Pin w	ith Support	Bracket; S35	or V40 = Snap	-in Support Bracket				
10. Contacts:								
Q = Silver Plated								
R = Gold Plated								
G = Gold over Silver P	lated							
11. Epoxy Seal:								
E = Epoxy Seal								

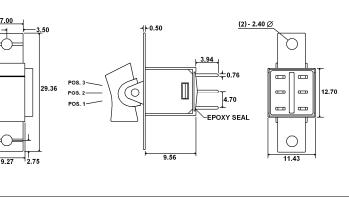


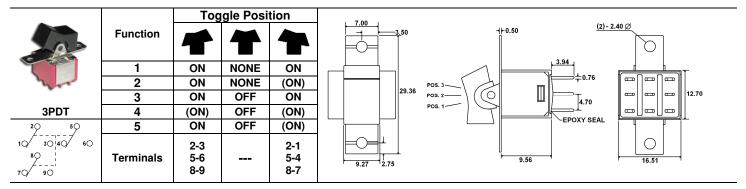


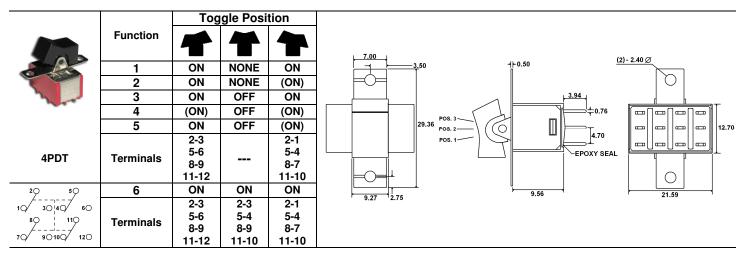
SWITCH FUNCTION

		Тод	gle Posi	tion	<u>7.00</u> → → 3.50 ++0.50 (2)-2.40 Ø
	Function			1	
	1	ON	NONE	ON	POS. 3
	2	ON	NONE	(ON)	
	3	ON	OFF	ON	POS. 1 4.70
SPDT	4	(ON)	OFF	(ON)	
10 30	5	ON	OFF	(ON)	
	Terminals	2-3		2-1	9.56

	Toggle Pos		gle Posi	tion
	Function			1
	1	ON	NONE	ON
	2	ON	NONE	(ON)
	3	ON	OFF	ON
	4	(ON)	OFF	(ON)
	5	ON	OFF	(ON)
DPDT	Terminals	2-3 5-6		2-1 5-4
10 10	6	ON	ON	ON
20 50 10 30 40 60	Terminals	2-3 5-6	2-3 5-4	2-1 5-4





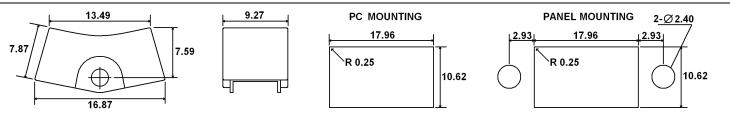




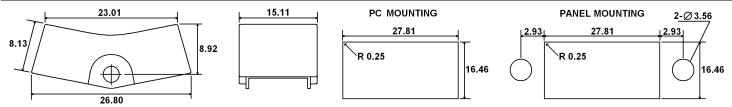


ACTUATOR OPTIONS (PC MOUNT / PANEL MOUNT)

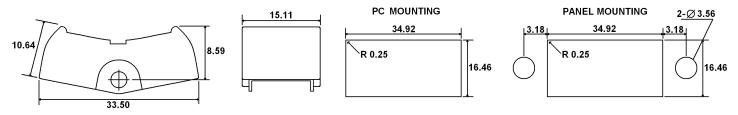
R11P / R11



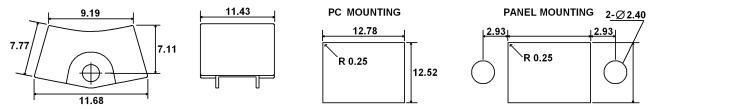
R15P / R15



R19P / R19



R21P / R21



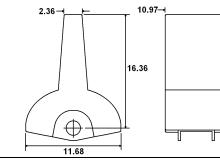
P13P / P13 2.13-9.27 PC MOUNTING PANEL MOUNTING 2-Ø2.40 17.96 17.96 <u>[2.93]</u> 2.93 `R 0.25 `R 0.25 10.62 10.62 18.80 Œ Ч P 16.87

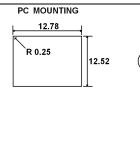


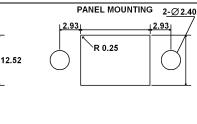


ACTUATOR OPTIONS (PC MOUNT / PANEL MOUNT)

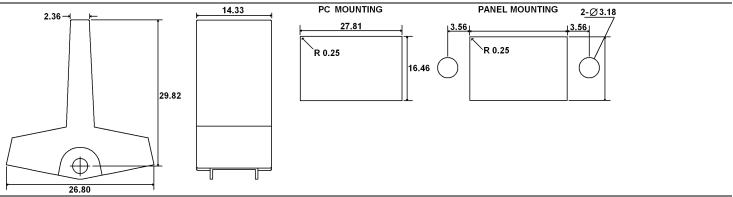
P23P / P23



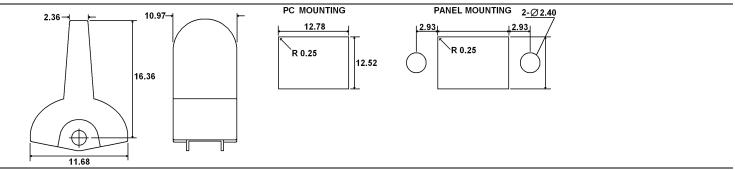




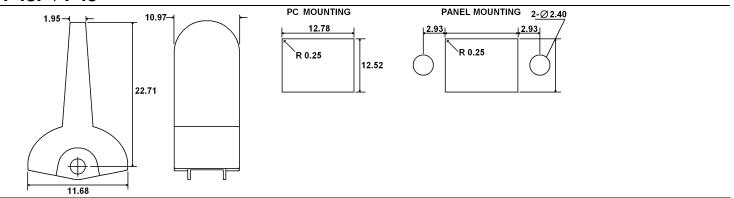
P43P / P43



P47P / P47



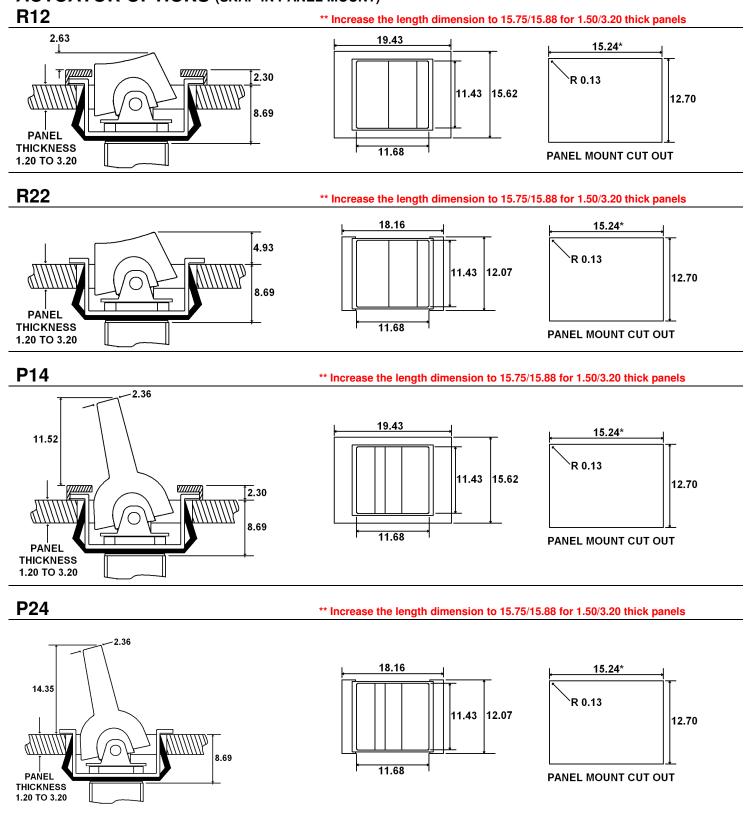
P48P / P48







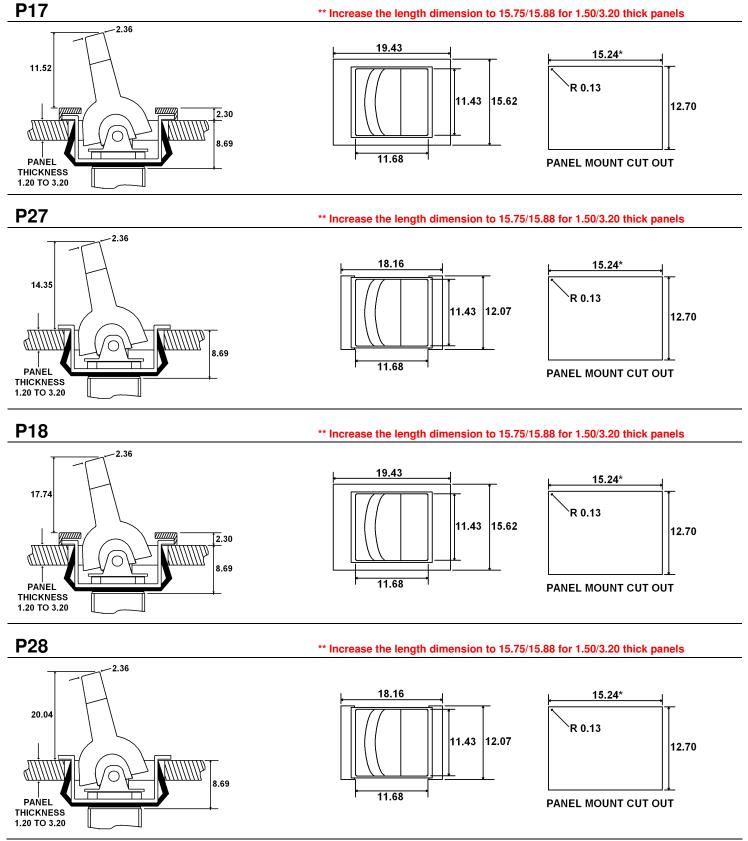
ACTUATOR OPTIONS (SNAP-IN PANEL MOUNT)





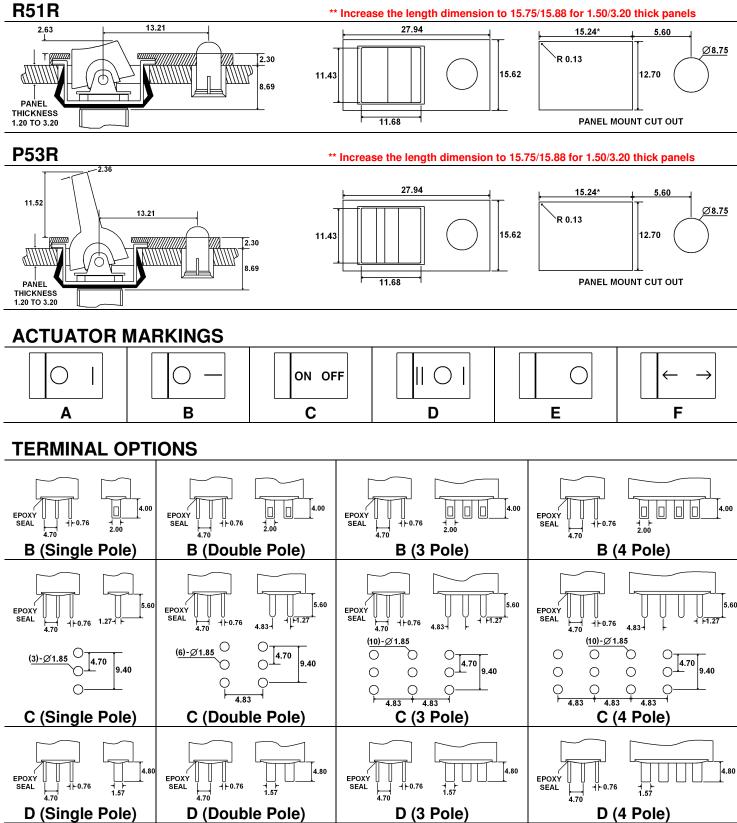


ACTUATOR OPTIONS (SNAP-IN PANEL MOUNT)





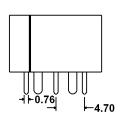


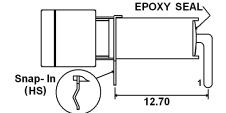


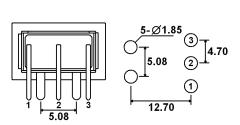
www.citswitch.com phone - 763.535.2339 fax - 763.535.2194



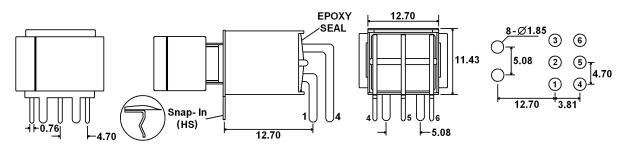




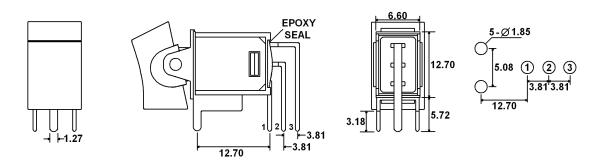




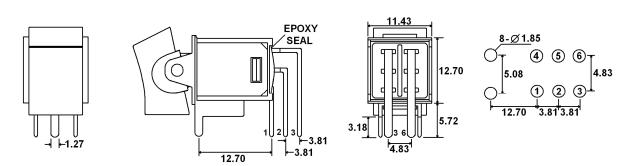
H (HS – Snap-in) = Horizontal Mount, Right Angle PC Pins (Single Pole)



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



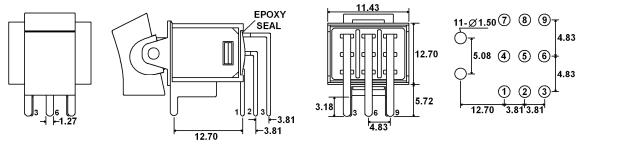
V = Vertical Mount, Right Angle PC Pins (Single Pole)



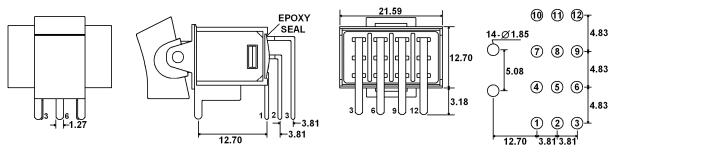
V = Vertical Mount, Right Angle PC Pins (Double Pole)



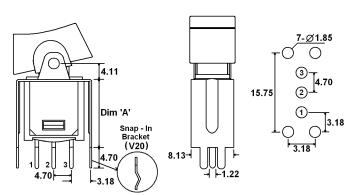




V = Vertical Mount, Right Angle PC Pins (Three Pole)

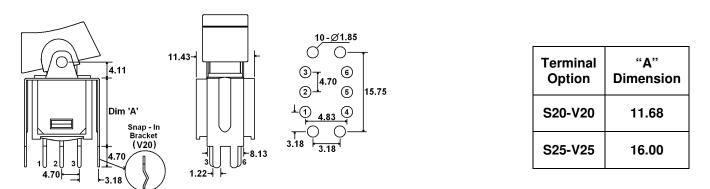


V = Vertical Mount, Right Angle PC Pins (Four Pole)



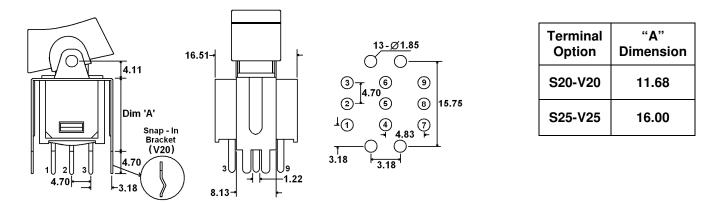
Terminal Option	"A" Dimension
S20-V20	11.68
S25-V25	16.00

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

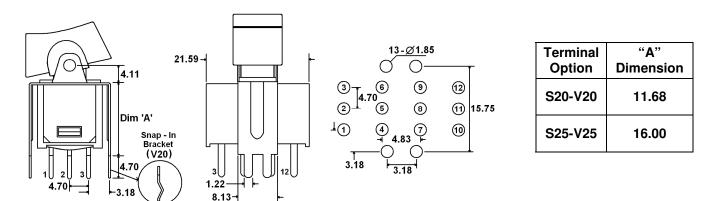


S20/S25 (V20/V25 – Snap-in Bracket) = PC Pins with Support Bracket (Double Pole)

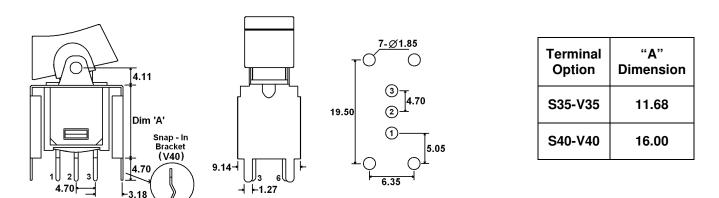




S20/S25 (V20/V25 – Snap-in Bracket) = PC Pins with Support Bracket (Three Pole)



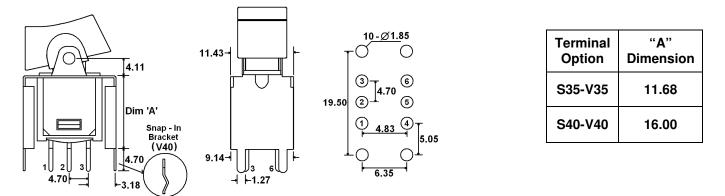
S20/S25 (V20/V25 – Snap-in Bracket) = PC Pins with Support Bracket (Four Pole)



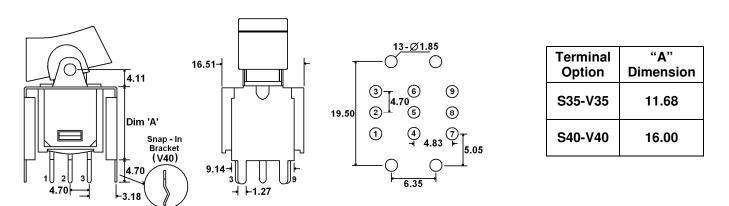
S40 (V40 – Snap-in Bracket) = PC Pins with Support Bracket (Single Pole)



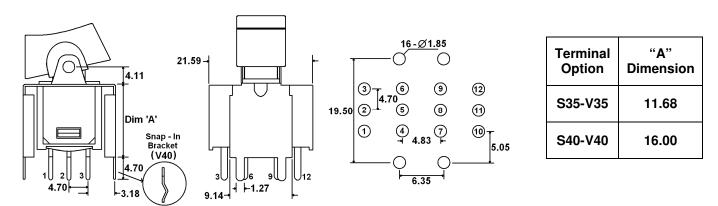




S40 (V40 – Snap-in Bracket) = PC Pins with Support Bracket (Double Pole)



S40 (V40 – 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	out€ 3 f 5 2™ 4 1	6 3 5 2 IN out 4 1	6 3 6 2ім 4 1оит
	POSITION 1	POSITION 2	POSITION 3
Customer must wire externally	out@ 9 out6 3 1 1 1 11 8 IN 6 2 IN @ 7 4 1	12 9 6 3 11 8 IN 8 2 IN out 10 7 out 4 1	12 9 6 3 11 8∥N 6 2∥N 1 1 1 1 1 1001 4 1001