



UL Approved Multi Function Rocker

Specifications

Switch Function	SPST, DPST
Electrical Ratings	UL61058-1 12A @ 125VAC, General Purpose, T105/55 12A @ 250VAC, General Purpose, T105/55 TV5 @ 125VAC

Electrical Life	10,000 cycles typical
Contact Resistance	≤ 50mΩ initial
Dielectric Strength	1500Vrms min
Insulation Resistance	≥ 100MΩ min
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Sealing Degree	IP40

Materials

Housing	6/6 Nylon or Poly Carbonate
Actuator	6/6 Nylon
Contacts	Silver Alloy
Terminals	Brass, Silver Plated

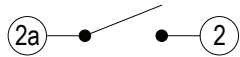
Ordering Information

1. Series	RC	1	1	2	2	C	C	C	C
RC									
2. Number of Poles 1 = SPST 2 = DPST									
3. Switch Function 1 = OFF - ON									
4. Housing Color 1 = White 2 = Black 3 = Red 9 = Gray									
5. Actuator Colors 1 = White 2 = Black 3 = Red 6 = Orange 7 = Blue 9 = Gray 1T = White Transparent **For use with Illuminated option only 3T = Red Transparent **For use with Illuminated option only 4T = Yellow Transparent **For use with Illuminated option only 5T = Green Transparent **For use with Illuminated option only 7T = Blue Transparent **For use with Illuminated option only									
6. Actuator Marking A C E B D F									
6. Actuator Marking Color Blank = No Marking B = Black W = White R = Red									
8. Terminal Options C = .187" Quick Connect/Solder Lug R = Right Angle PC Pins L = Left Angle PC Pins									
9. Illumination Options Blank = Non-Illuminated A = 125VAC Neon Bulb B = 250VAC Neon Bulb R12 = Red LED 12V R24 = Red LED 24V Y12 = Yellow LED 12V Y24 = Yellow LED 24V G12 = Green LED 12V G24 = Green LED 24V B12 = Blue LED 12V B24 = Blue LED 24V W12 = White LED 12V W24 = White LED 24V									

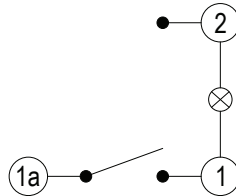
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Schematics

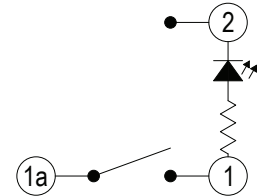
Single Pole Single Throw



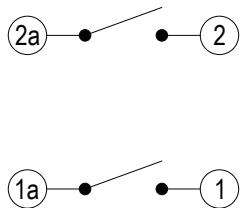
Single Pole Single Throw
Neon Lamp



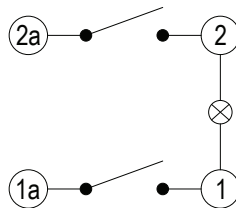
Single Pole Single Throw
LED & Resistor



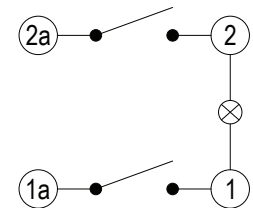
Double Pole Single Throw



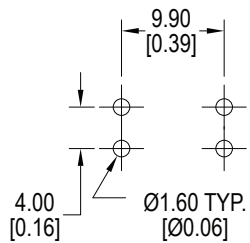
Double Pole Single Throw
Neon Lamp



Double Pole Single Throw
LED & Resistor



PC Layout



Actuator Marking Options

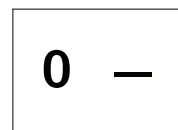
A Style



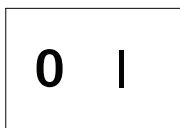
B Style



C Style



D Style



E Style



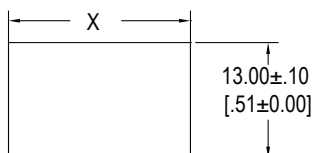
F Style



LED Characteristics

LED Ratings		Color					
		R	Y	G	B	W	Units
Reverse Voltage	V_R	5	5	5	5	5	V
Forward Current (avg)	I_F	30	30	30	30	30	mA
Reverse Current $V_R = 5V$	I_R	10	10	10	10	10	μA
Power Dissipation	P_T	56	56	46	72	76	mW
Operating & Storage Temperature	T_A	-40 ~ +85					C°
Forward Voltage (min) $I_F = 20mA$	V_F	1.7	1.7	1.8	2.8	2.8	V
Forward Voltage (max) $I_F = 20mA$	V_F	2.4	2.4	2.4	3.4	3.4	V
Wavelength (min) $I_F = 20mA$	λ_d	620	585	565	460	n/a	nm
Wavelength (max) $I_F = 20mA$	λ_d	630	595	575	470	n/a	nm
Luminous Intensity, $I_F = 20mA$	LI	50	150	30	140	500	mcd
Viewing Angle	Θ	50	50	70	120	70	deg

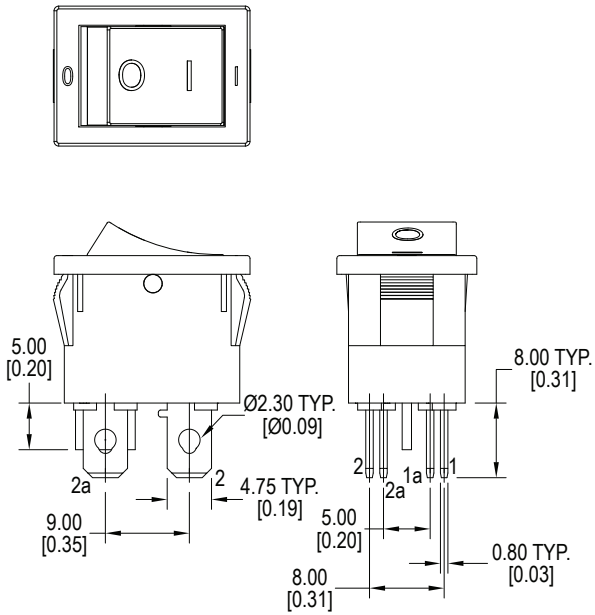
Panel Cut Out



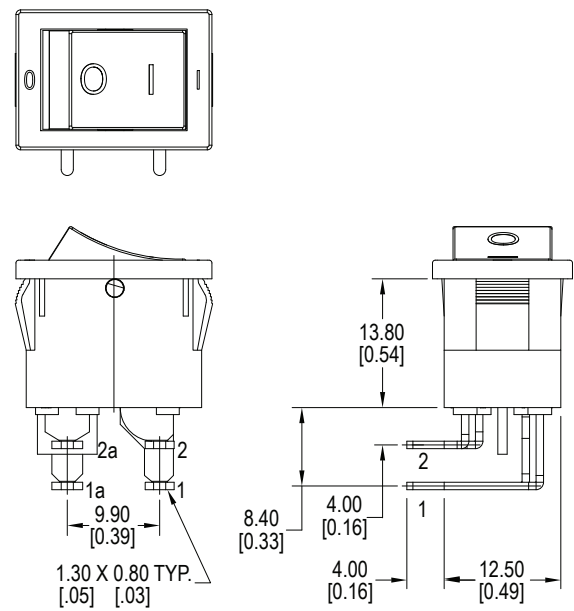
Panel Thickness	X
0.75 ~ 1.25	19.3 ± .1
1.25 ~ 2.00	19.5 ± .1
2.00 ~ 3.00	19.9 ± .1

Terminal Options

C



R



L

