

## **SPECIFICATIONS**

0. = 0 107 1110110	
Electrical Ratings	1A @ 24VDC
_	1A @ 125VAC
	0.5A @ 250VAC
Electrical Life	30,000 cycles typical
Contact Resistance	< 50 mΩ initial
Actuation Force	200 +/- 50gF
Actuator Travel	2.5 +/3mm
Dielectric Strength:	1000Vrms min (contact to contact)
	1500Vrms min (contact to LED)
Insulation Resistance	> 100MΩ min
Operating Temperature	-25°C to 70°C
Storage Temperature	-25°C to 70°C



#### Laser etching available, contact factory

# MATERIALS ←RoHS COMPLIANT

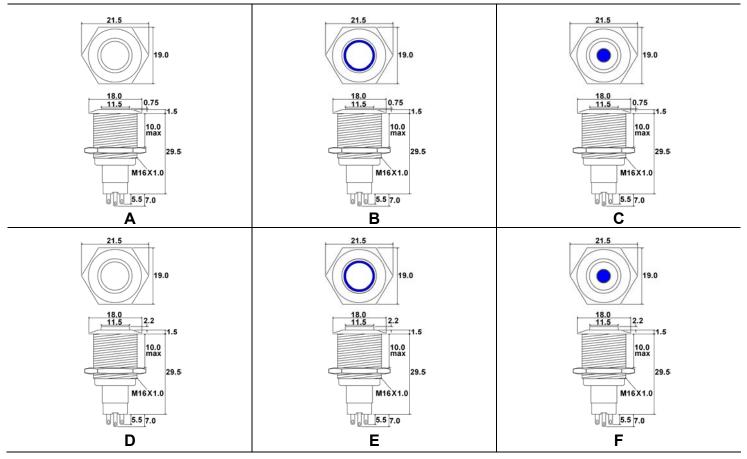
Actuator & Body	Brass, Nickel Plated, Stainless Steel, Black Anodized Aluminum
LED Lens	PC
Nut	Brass, Nickel Plated
Terminal Support	PBT
Inner Switch Body	PC
Contacts	Silver Alloy
Terminals	Brass, tin plated

## **ORDERING INFORMATION**

1. Series: CH	2	L	В	N	R	В	12	
2. Number of Poles:								
1 = SPDT 2 = DPDT								
3. Latching Option:		_						
N = Momentary								
L = Latching								
<b>4. Actuator Style:</b> A = Flush actuator, no	n-illumin	ated						
B = Flush actuator, ring								
C = Flush actuator, do								
D = Raised actuator, n E = Raised actuator, ri								
F = Raised actuator, d	•							
5. Switch Finish:								
S = Stainless steel								
N = Nickel plated B = Black								
6. First LED Color:								
Blank = No First LED	G = G		O = Ora	ange				
R = Red	B = B							
Y = Yellow 7. Second LED Color:		Vhite**	D Ontion	White only	available in single o	olor		
Blank = No Second LE		Green			available ili siligle c	JOIOI		
R = Red	Y =	= Yellow	B = Bl	ue				
8. LED Voltage:	04)		NI = find		antian and an analysis of the			
	l = 24V ) = 110V		= ino inter	nai resistoi	r in series with the	LED		
	) = 220V							
9. Sealing Options:								
Blank = IP40 (standard	d)							
S = IP65								



## **DIMENSIONS**



#### LED CHARACTERISTICS

LED Ratings		COLORS							
-		R	Υ	G	В	0	W	Units	
Reverse Voltage	$V_R$	5	5	5	5	5	5	V	
Forward Current (avg)	I <sub>F</sub>	25	25	30	30	25	30	mA	
Forward Current (peak)	I <sub>FS</sub>	120	120	160	160	120	160	mA	
Reverse Current V <sub>R</sub> = 5V	I <sub>R</sub>	10	10	10	10	10	10	μΑ	
Power Dissipation	$P_T$	80	80	120	120	80	120	mW	
Operating & Storage Temperature	T <sub>A</sub>	-40~ +85					°C		
Forward Voltage (typ.), I <sub>F</sub> = 20mA	$V_{F}$	2.1	2.1	3.3	3.3	2.0	3.0	V	
Forward Voltage (max.), I <sub>F</sub> = 20mA	$V_{F}$	2.4	2.5	3.6	3.6	2.3	3.6	V	
Wavelength at Peak Emmission, I <sub>F</sub> = 20mA	$\lambda_{P}$	635	592	516	463	606	N/A	nm	
Spectral Line Half-Width, I <sub>F</sub> = 20mA	Δλ	14	12	28	20	12	N/A	nm	
Luminous Intensity, I <sub>F</sub> = 20mA	LI	120	120	170	100	120	700	mcd	
Viewing Angle	Θ	145	145	145	145	145	145	Deg	

# **SCHEMATICS & PANEL CUT OUT**

