SPECIFICATIONS

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 Storage Temperature	-25°C to 70°C -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	B	N	R	B	12

CH

2. Number of Poles:
1 = SPDT
2 = DPDT

3. Latching Option:
N = Momentary
L = Latching

4. Actuator Style:
A = Flush actuator, non-illuminated
B = Flush actuator, ring illuminated
C = Flush actuator, dot illuminated
D = Raised actuator, non-illuminated
E = Raised actuator, ring illuminated
F = Raised actuator, dot illuminated

5. Switch Finish:
S = Stainless steel
N = Nickel plated
B = Black

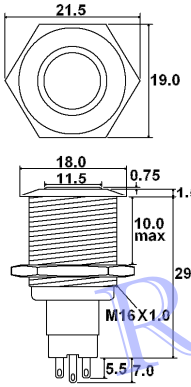
6. First LED Color:
Blank = No First LED G = Green O = Orange
R = Red B = Blue
Y = Yellow W = White**

7. Second LED Color: **For Bi-color LED Option, White only available in single color
Blank = No Second LED G = Green O = Orange
R = Red Y = Yellow B = Blue

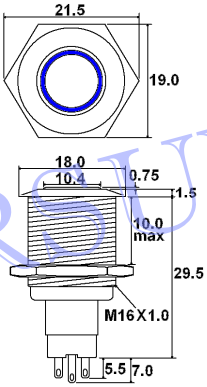
8. LED Voltage:
Blank = No LED 24 = 24V N = No internal resistor in series with the LED
6 = 6V 110 = 110V
12 = 12V 220 = 220V

9. Sealing Options:
Blank = IP40 (standard)
S = IP65

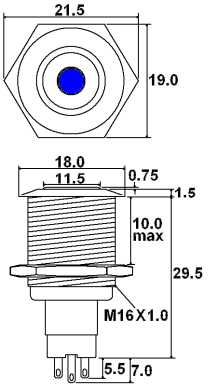
DIMENSIONS



A



B



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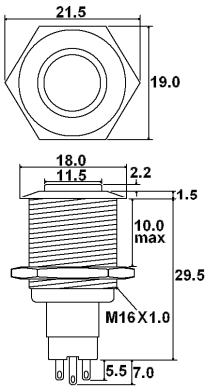

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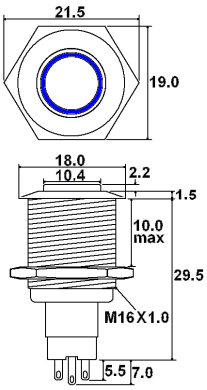

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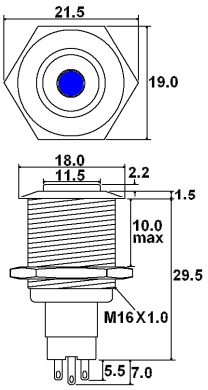
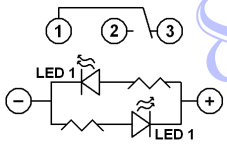


F

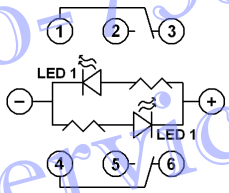
LED CHARACTERISTICS

LED Ratings		COLORS						
		R	Y	G	B	O	W	Units
Reverse Voltage	V_R	5	5	5	5	5	5	V
Forward Current (avg)	I_F	25	25	30	30	25	30	mA
Forward Current (peak)	I_{FS}	120	120	160	160	120	160	mA
Reverse Current V_R = 5V	I_R	10	10	10	10	10	10	µA
Power Dissipation	P_T	80	80	120	120	80	120	mW
Operating & Storage Temperature	T_A	-25~ +70						°C
Forward Voltage (typ.), I_F = 20mA	V_F	2.1	2.1	3.3	3.3	2.0	3.0	V
Forward Voltage (max.), I_F = 20mA	V_F	2.4	2.5	3.6	3.6	2.3	3.6	V
Wavelength at Peak Emmission, I_F = 20mA	λ_P	635	592	516	463	606	N/A	nm
Spectral Line Half-Width, I_F = 20mA	$\Delta\lambda$	14	12	28	20	12	N/A	nm
Luminous Intensity, I_F = 20mA	LI	120	120	170	100	120	700	mcd
Viewing Angle	Θ	145	145	145	145	145	145	Deg

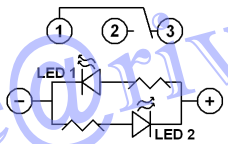
SCHEMATICS & PANEL CUT OUT



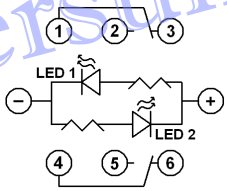
SPDT



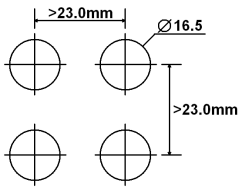
DPDT



SPDT (Dual LED)



DPDT (Dual LED)



Panel Cut Out