





Illuminated Anti-Vandal Pushbutton – 10mm

Specifications

Electrical Ratings	2A @ 48VDC	Actuation Force	350 ± 100gF	
Sealing Degree	IP40	Dielectric Strength	1500Vrms min contact to contact	
Electrical Life	50,000 cycles average		1500Vrms min contact to LED	
Mechanical Life	100,000 cycles average	Insulation Resistance	> 100MΩ min @ 500VDC	
Contact Resistance	≤50mΩ initial	Operating Temperature	-40°C to +85°C	
		Storage Temperature	-40°C to +85°C	

Materials

Actuator	Stainless Steel or Aluminum				
LED Lens	Polycarbonate (PC)				
Threaded Body	Stainless Steel or Aluminum				
Terminal Support	Polybutylene Terephthalate (PBT)				
Contacts	Silver Alloy				
Terminals	Brass, Sliver Plated				
Hardware	One Hex Nut & One "O" Ring Supplied				

Custom Capabilities Contact Factory

Cable Assemblies



Custom Laser Etching



Shine Through Symbols





Custom Plastic Convex Actuators





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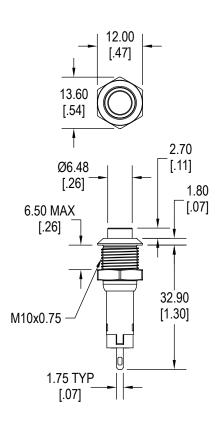
Ordering Information

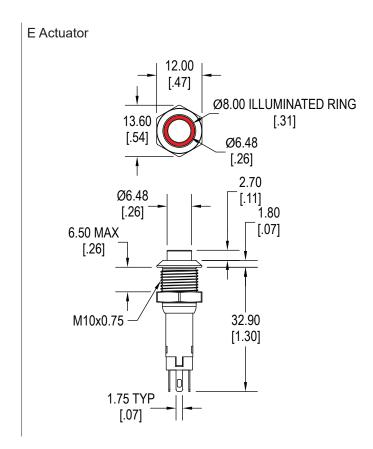
1. Series GH	GH		N	D	В	В	G	
2. Bezel Style Blank = Stan	ndard Bezel							
3. Switch Func N = Moment L = Latching	ary							
	le: actuator, non-ill actuator, ring illu							
G = Green A R = Red And S = Brushed U = Blue And	h nodized Aluminu nodized Alumiru odized Aluminur Stainless Stee odized Aluminu nodized Alumiru	num n I m						
6. Terminal Op B = Solder L								
7. LED Color X = No LED R = Red Y = Yellow G = Green B = Blue W = White O = Orange			ow dual LED een dual LED e dual LED Yellow dual LED Green dual LED Blue dual LED Green dual LED					
8. LED Voltage Blank = No L N = No inter	_ED	eries with the LE	D					



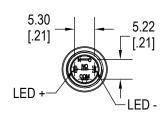
Dimensions

D Actuator

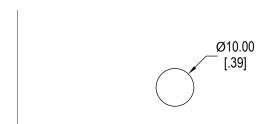




Bottom View



Panel Cut-Out





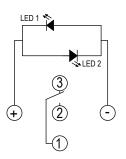
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Schematics

Non-Illuminated



Dual Color LED



LED Characteristics

LED Ratings		Color						
		R	Υ	G	В	0	W	Units
Reverse Voltage	V _R	5	5	5	5	5	5	V
Forward Curent (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	-40 ~ +85				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	Δλ	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