



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	\leq 50m Ω initial	Operating Temperature	e -40°C to +85°C	
		Storage Temperature	-40°C to +85°C	

Materials

Stainless Steel or Aluminum		
Polycarbonate (PC)		
Stainless Steel or Aluminum		
Polybutylene Terephthalate (PBT)		
Silver Alloy		
Brass, Sliver Plated		
One Hex Nut & One "O" Ring Supplied		

Custom Capabilities Contact Factory

Cable Assemblies



Custom Laser Etching



Shine Through Symbols



Custom Plastic Convex Actuators





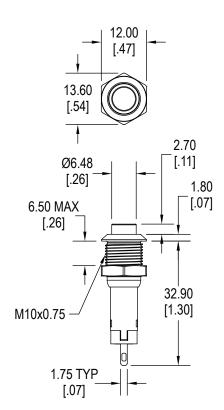
Ordering Information

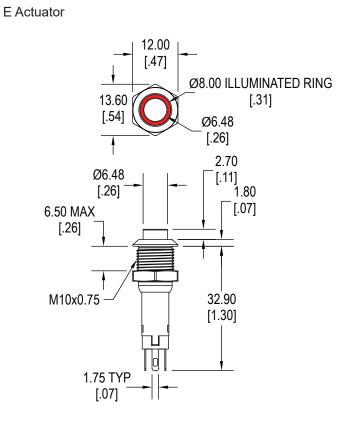
1. Series GH GH		Ν	D	В	В	G	
2. Bezel Style Blank = Standard Bezel							
3. Switch Function N = Momentary L = Latching							
4. Actuator Style: D = Raised actuator, non- E = Raised actuator, ring							
5. Switch Finish B = Black Anodized Alum G = Green Anodized Alum R = Red Anodized Alumir S = Brushed Stainless St U = Blue Anodized Alumir Y = Yellow Anodized Alum	ninum ium eel num						
6. Terminal Options B = Solder Lugs							
7. LED Color X = No LED R = Red Y = Yellow G = Green B = Blue W = White O = Orange	OG = Orange / OB = Orange /	ow dual LED een dual LED e dual LED Yellow dual LED Green dual LED Blue dual LED Green dual LED blue dual LED					
8. LED Voltage Blank = No LED N = No internal resistor in	series with the LE	D					



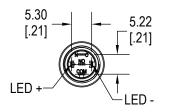
Dimensions

D Actuator

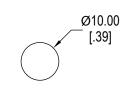




Bottom View



Panel Cut-Out



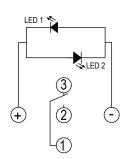


Illuminated Anti-Vandal Pushbutton - 10mm

Schematics

Non-Illuminated

3 2 1 Dual Color LED



LED Characteristics

LED Ratings		Color							
		R	Y	G	В	0	W	Units	
Reverse Voltage		5	5	5	5	5	5	V	
Forward Curent (avg)		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	PT	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	