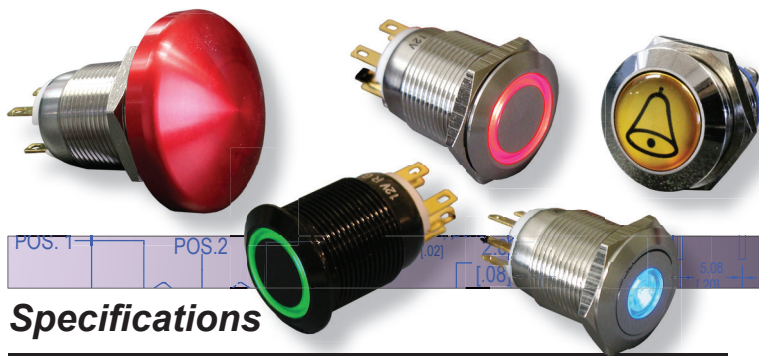




RoHS Compliant

Illuminated Pushbutton - 19mm

Specifications

Electrical Ratings	1A @ 24VDC 1A @ 125VAC 0.5A @ 250VAC
Sealing Degree	IP67
Electrical Life	50,000 cycles typical
Contact Resistance	≤ 50mΩ initial

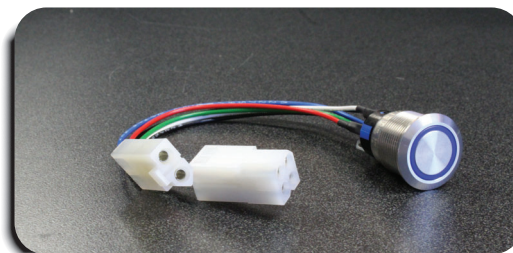
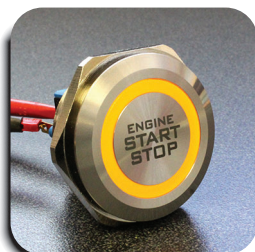
Actuation Force	550 ±50gF
Actuation Travel	2.5 ± .3mm
Dielectric Strength	2000Vrms min contact to contact 2000Vrms min contact to LED
Insulation Resistance	≥ 100MΩ min
Operating Temperature	-25°C to 70°C
Storage Temperature	-25°C to 70°C

Materials

Actuator	Stainless Steel or Anodized Aluminum
LED Lens	Polycarbonate (PC)
Threaded Body	Stainless Steel or Anodized Aluminum
Terminal Support	Polybutylene Terephthalate (PBT)
Inner Switch Body	Polycarbonate (PC)
Contacts	Gold Plate over Silver
Terminals	Gold Plate over Nickel Plate over Copper Alloy
Hardware	One Hex Nut & One "O" Ring Supplied

Contact Factory for

- Cable Assembly
- Plastic Convex Actuator
- Shine Through Symbols
- Laser Etching



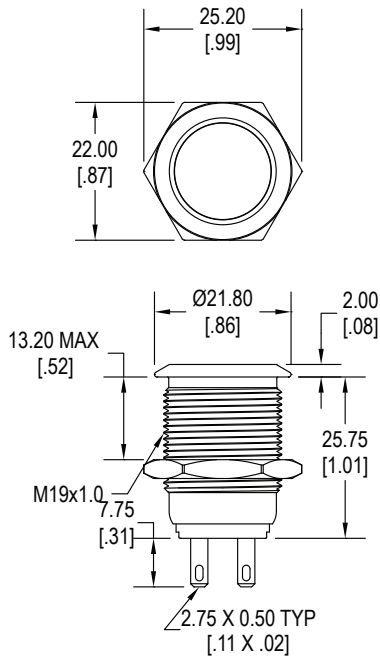
AH

Illuminated Pushbutton - 19mm

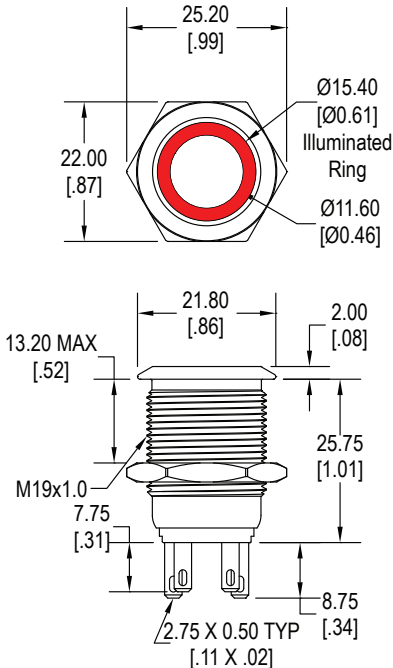
Ordering Information

1. Series	AH	1	N	A	S	X	
2. Number of Poles							
3. Latching Option							
4. Actuator Style:							
5. Switch Finish							
6. LED Color							
7. LED Voltage							
8. Terminal Option							

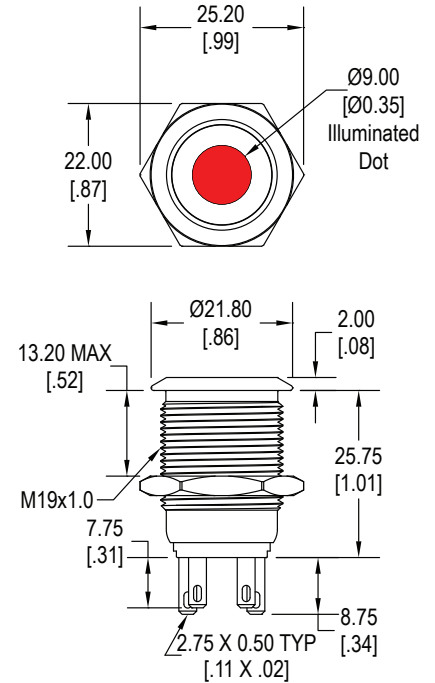
Dimensions



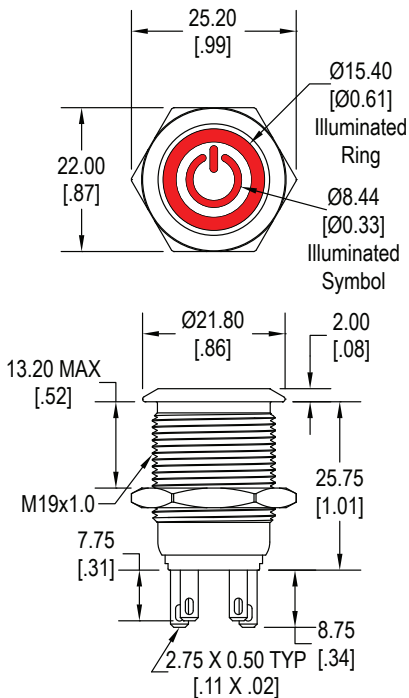
A - Momentary



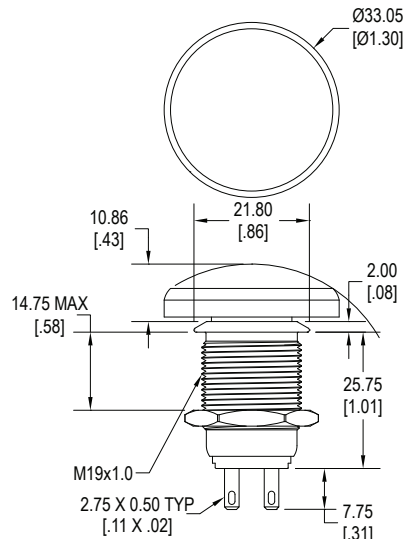
B - Momentary



C - Momentary



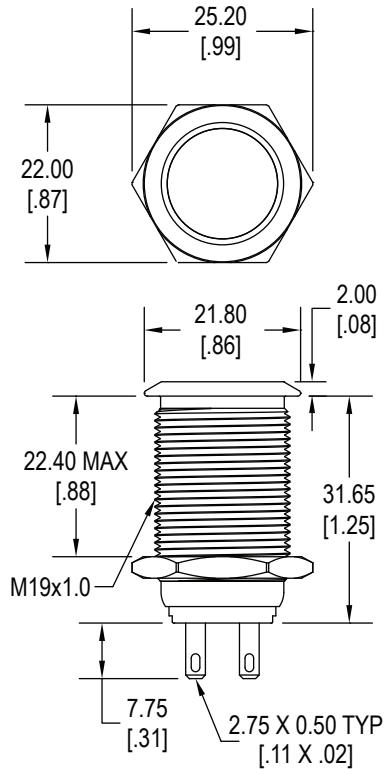
G - Momentary



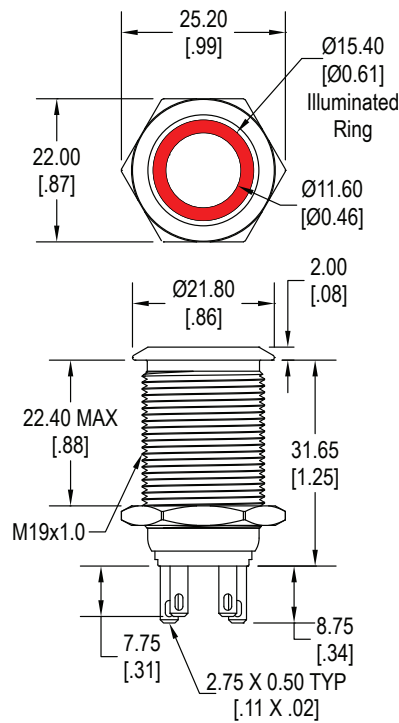
MR

Illuminated Pushbutton - 19mm

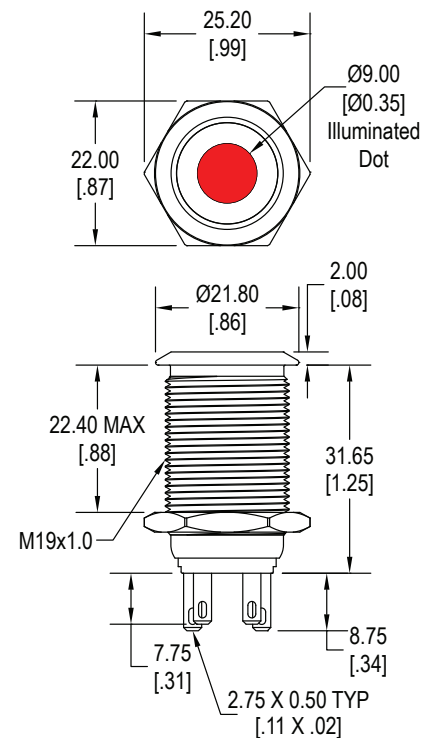
Dimensions



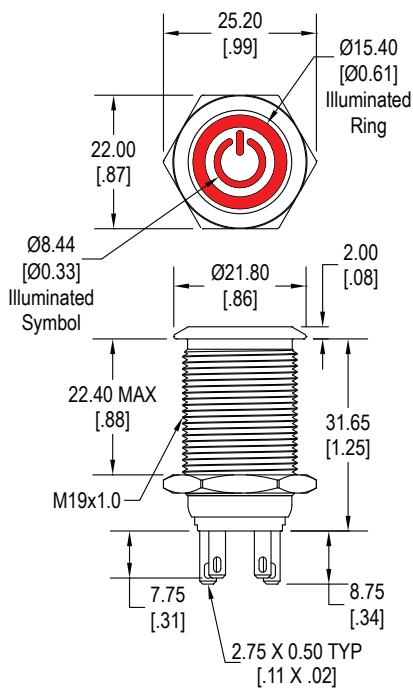
A - Latching



B - Latching

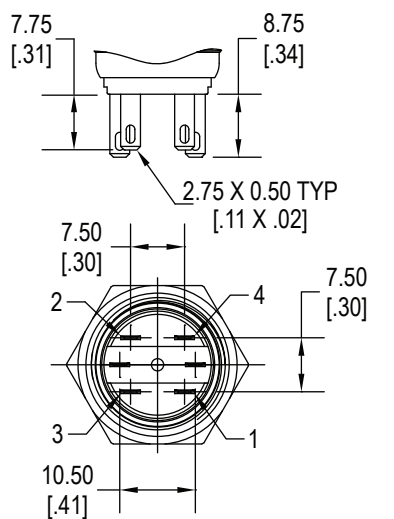


C - Latching

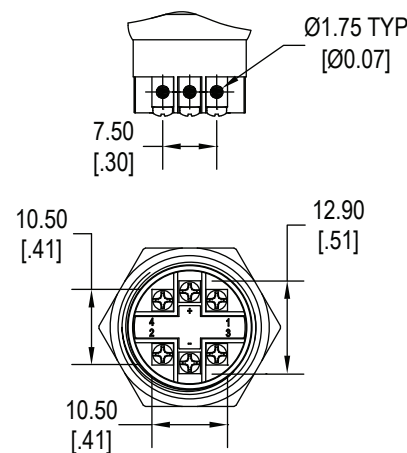


G - Latching

Termination

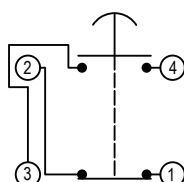


.100" Quick Connect, standard

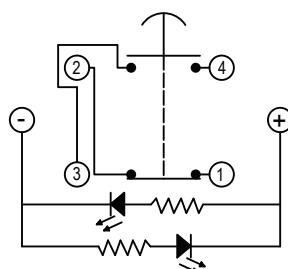


Screw Terminals

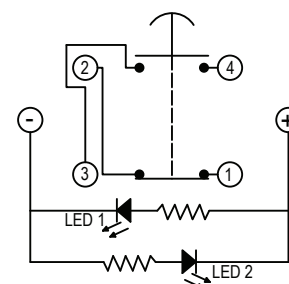
Schematics



**SPST NO + SPST NC
No LED**

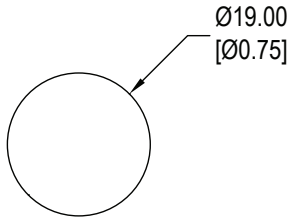


**SPST NO + SPST NC
Single Color LED**

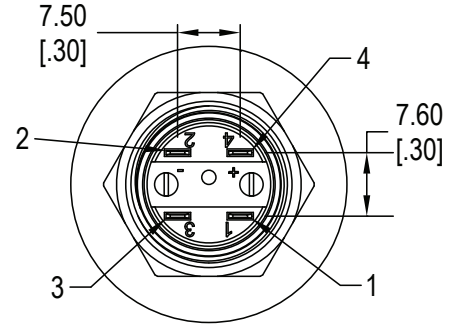
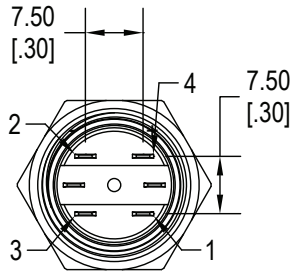


**SPST NO + SPST NC
Dual Color LED**

Panel Cut-Out



Bottom Views



LED Characteristics

LED Ratings		Color						
		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	-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 $I_F = 20mA$	$\Delta\lambda$	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