

SPECIFICATIONS

Electrical Ratings	1A @ 24VDC 1A @ 125VAC 0.5A @ 250VAC
Sealing Degree	IP65
Electrical Life	50,000 cycles typical
Contact Resistance	< 50 mΩ initial
Actuation Force	550 +/- 50gF
Actuator 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 ←RoHS COMPLIANT

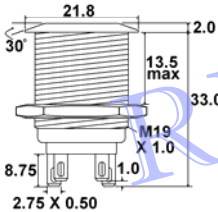
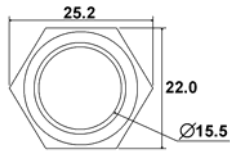
Actuator	Stainless Steel Black Anodized Aluminum
LED Lens	PC
Threaded Body	Stainless Steel, Black Anodized Aluminum
Nut	Stainless Steel
Terminal Support	PBT
Inner Switch Body	PC
Contacts	Silver Alloy
Terminals	Brass, Tin Plated, Epoxy Sealed

ORDERING INFORMATION

1. Series:	AH	1	N	B	S	B	12
AH							
2. Number of Poles:	1 = SPST NO + SPST NC						
3. Latching Option:	N = Momentary						
4. Actuator Style:	A = Flush actuator, non-illuminated B = Flush actuator, ring illuminated C = Flush actuator, dot illuminated						
5. Switch Finish:	S = Stainless Steel B = Black						
6. First LED Color:	Blank = No LED B = Blue R = Red W = White Y = Yellow O = Orange G = Green						
7. Second LED Color:	**For Bicolor LED option, White only available in single color Blank = No LED B = Blue R = Red O = Orange Y = Yellow G = Green						
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						

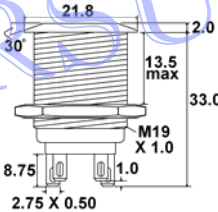
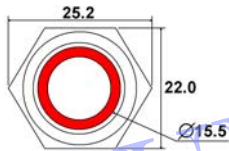
86-755-26055892/93/51
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DIMENSIONS



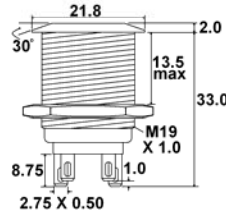
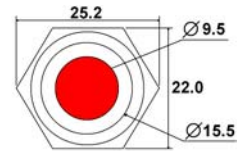
****Terminals are epoxy sealed**

A



****Terminals are epoxy sealed**

B



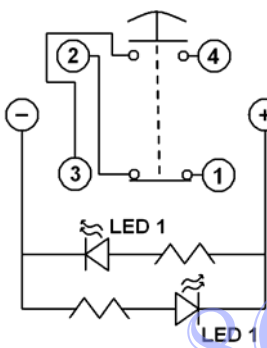
****Terminals are epoxy sealed**

C

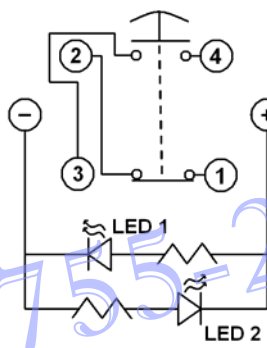
LED CHARACTERISTICS

LED Ratings		COLORS						Units
		R	Y	G	B	O	W	
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						$^{\circ}C$
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 Emission, $I_F = 20mA$	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

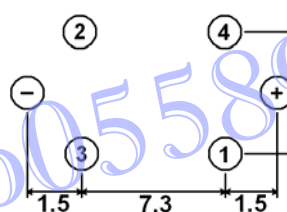
SCHEMATIC & PANEL CUT OUT



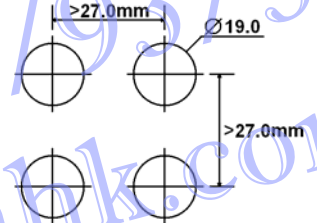
**SPST NO + SPST NC
(SINGLE COLOR LED)**



**SPST NO + SPST NC
(DUAL COLOR LED)**



BOTTOM VIEW



PANEL CUT OUT