

BH SERIES

SPECIFICATIONS

Electrical Ratings	2A @ 36VDC; 1A @ 125VAC, 0.5A @ 250VAC
Electrical Life	50,000 cycles typical
Contact Resistance	< 50 mΩ initial
Actuation Force	16mm - 500 +/- 100gF; 19mm - 750 +/- 100gF
Actuator Travel	16mm - 1.6 +/25mm; 19mm - 2.0 +/25mm
Dielectric Strength:	2000Vrms min (contact to contact)
Insulation Resistance	>100MΩ min
Sealing	IP65
Operating Temperature	-25°C to 55°C
Storage Temperature	-25°C to 55°C

MATERIALS ← RoHS COMPLIANT

Actuator	Stainless Steel, Brass (Nickel or Gold plated)
Threaded Body	Stainless Steel, Brass (Nickel or Gold plated)
Nut	Stainless Steel, Brass (Nickel or Gold plated)
Terminal Support	PBT
Contacts	Silver Alloy
Terminals	Brass, Nickel plated

ORDERING INFORMATION

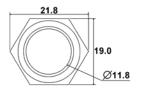
1. Series: BH 16	N	R	S	Z	
BH					
2. Switch Body Diameter:					
16 = 16mm					
19 = 19mm					
3. Switch Function:					
N = Momentary					
4. Actuator Style:					
M = Round					
F = Flush					
R = Raised					
<u> </u>	-	diameter (for 19mm illuminated, see AH series)			
5. Switch Finish:	only available in 16mm o	diameter (for 19mm illuminated, see AH series)			
S = Brushed Stainless Steel					
N = Nickel Plated Brass					
P = Gold Plated Brass					
6. Terminal Options:					
Z = Screw Terminal					
B = Solder Lugs **illuminated	versions only available v	with solder lugs			
7. LED Color: **only available in	16mm diameter				
Blank = No LED RO = Ro		YG = Yellow/Green dual LED			
	ed/Yellow dual LED	YB = Yellow/Blue dual LED			
Y = Yellow RG = Re	ed/Green dual LED	GB = Green/Blue dual LED			
G = Green RB = Re	ed/Blue dual LED				
B = Blue OY = Ora	ange/Yellow dual LED				
W = White OG = Or	range/Green dual LED				
	ange/Blue dual LED				
8. LED Voltage: **only available	e in 16mm diameter				
Blank = No LED					
N = No internal resistor in se	ries with the LED				

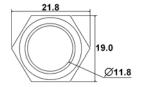
Website: <u>www.citswitch.com</u> Tel: 763-535-2339 Fax: 763-535-2194

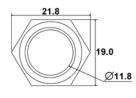


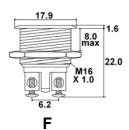
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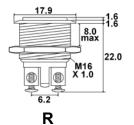
DIMENSIONS - 16mm

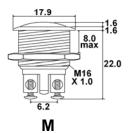




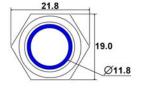


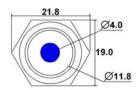


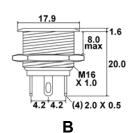


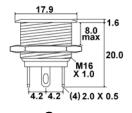


DIMENSIONS - 16mm ILLUMINATED



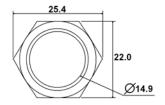


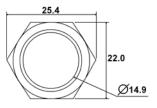


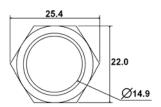


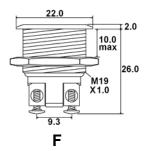
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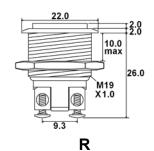
DIMENSIONS - 19mm

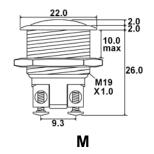










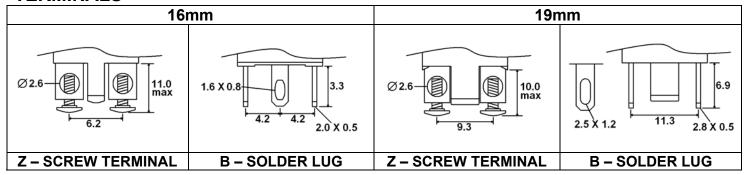


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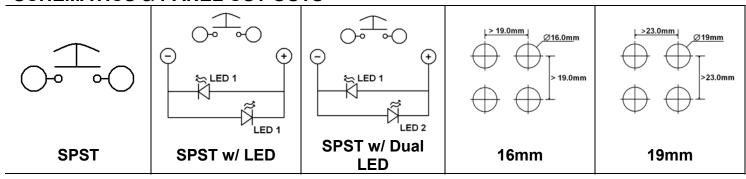


BH SERIES

TERMINALS



SCHEMATICS & PANEL CUT OUTS



LED CHARACTERISTICS

LED Ratings			COLORS						
		R	Υ	G	В	0	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	μΑ	
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	

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