



Specifications

Electrical Ratings	20A @ 12VDC, Resistive, 25K cycles 10A @ 24VDC, Resistive, 50K cycles 10A @ 125VAC, Resistive, 25K cycles 5A @ 250VAC, Resistive, 25K cycles
Sealing Degree	IP67
Electrical Life	50,000 cycles typical
Contact Resistance	≤ 50mΩ initial
Actuation Force	550 ± 50gF
Actuation Travel	2.5 ± .3mm

Operation Life	50,000 cycles typical
Dielectric Strength	2000Vrms min contact to contact 2000Vrms min contact to LED
Insulation Resistance	≥ 100MΩ min
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C

Materials

Actuator	Stainless Steel or Anodized Aluminum
LED Lens	Polycarbonate (PC)
Threaded Body	Stainless Steel
Terminal Support	Polybutylene Terephthalate (PBT)
Inner Switch Body	Polycarbonate (PC)
Contacts	Silver Alloy
Terminals	Brass, Epoxy Sealed
Hardware	One Hex Nut & One “O” Ring Supplied

Custom Capabilities Contact Factory

Cable Assemblies



Shine Through Symbols



Custom Laser Etching



Custom Plastic Convex Actuators



Illuminated Anti-Vandal Pushbutton — 40mm

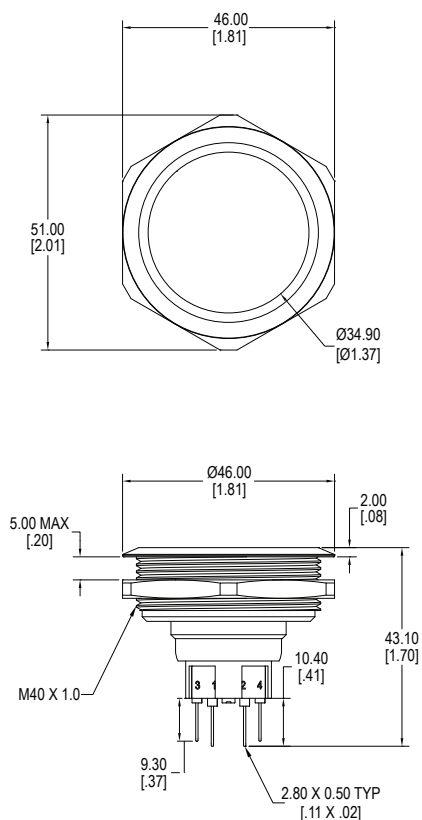
Ordering Information

1. Series	DH40	1	N	B	S	B	12
DH40							
2. Number of Poles	1 = SPST NO + SPST NC 2 = DPST NO + DPST NC						
3. Bezel Style	Blank = Standard Bezel						
4. Latching Option	N = Momentary L = Latching						
5. Actuator Style	A = Flush actuator, non-illuminated B = Flush actuator, ring illuminated						
6. Actuator Finish	B = Black anodized aluminum G = Green anodized aluminum R = Red anodized aluminum S = Brushed stainless steel U = Blue anodized aluminum Y = Yellow anodized aluminum						
7. LED Color	Z = No LED R = Red Y = Yellow G = Green B = Blue W = White O = Orange RO = Red / Orange dual LED RY = Red / Yellow dual LED RG = Red / Green dual LED RB = Red / Blue dual LED OY = Orange / Yellow dual LED OG = Orange / Green dual LED OB = Orange / Blue dual LED YG = Yellow / Green dual LED YB = Yellow / Blue dual LED GB = Green / Blue dual LED						
8. LED Voltage	Z = No LED N = No internal resistor in series with the LED 6 = 6V 12 = 12V 24 = 24V 110 = 110V 220 = 220V						
9. Terminal Option	Blank = .100" Quick Connect, standard						

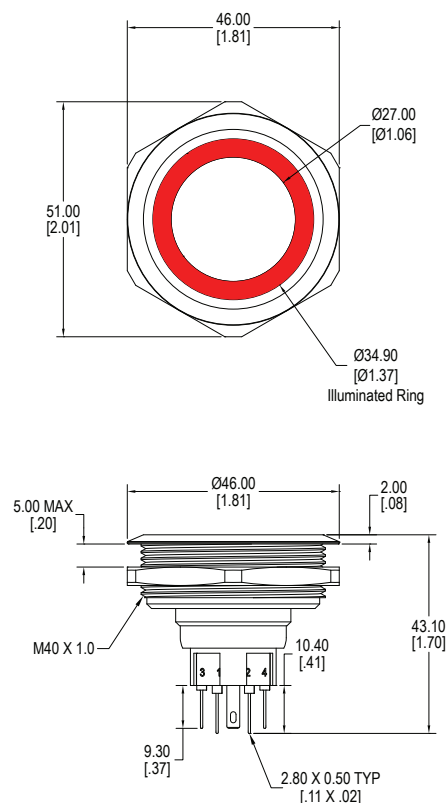
OPTIONAL Socket Housing available

Dimensions

A Actuator

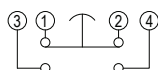


B Actuator

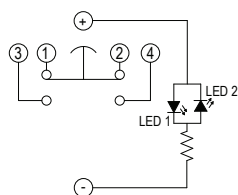


Schematics

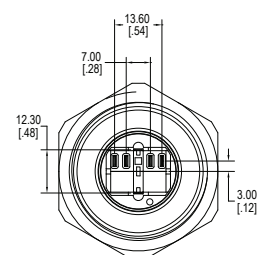
Single Pole, no LED



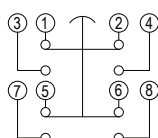
Single Pole, with LED



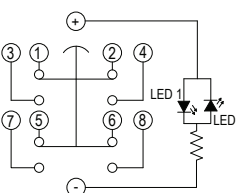
Single Pole Bottom View



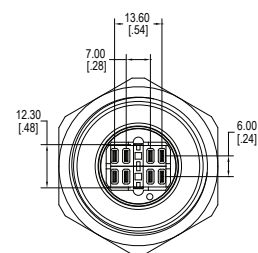
Double Pole, no LED



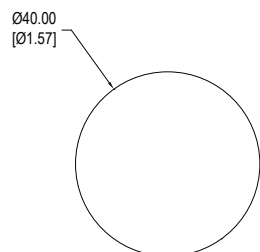
Double Pole, with LED



Double Pole Bottom View

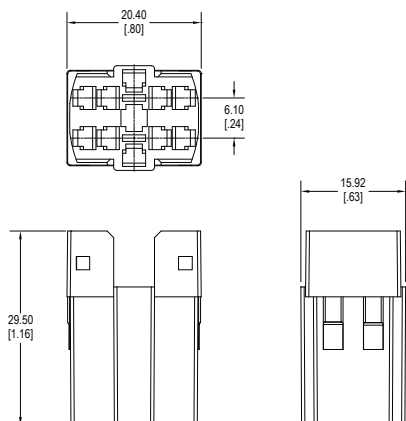


Cutout

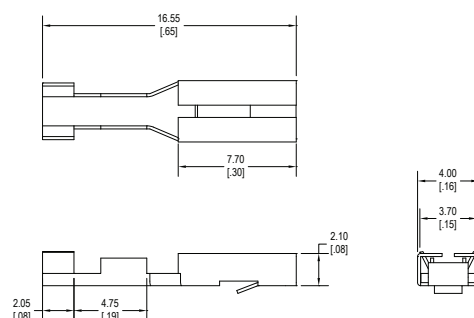


Optional Terminal Block

SS2203



SS Terminal



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 (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
Forward Voltage (typ) $I_F = 20mA$	V_F	2.1	2.1	3.3	3.3	2.0	3.0	V
Luminous Intensity, $I_F = 20mA$	LI	120	120	170	100	120	700	mcd