

19mm Ring LED Push Button Switch

IP 67 10Amp

Features

- ▶ 10 Amp Electrical Rating at 12VDC
- ▶ IP67 Water proof Rating .
- ▶ LED brightness: soft, service life : 4000h .
- ▶ Appearance material: Keypad: PC/Stainless Steel.
- ▶ Electronic life : 10,000 cylces .
- ▶ Mechanical life : 500,000 cycles.
- ▶ Pin force: 50N, no loose or falls off phenomenon.

Specification

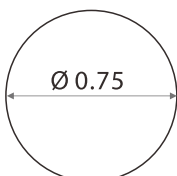
Part Numbers	Latching
9150-1000	19mm blue ring with blue led
9150-1001	19mm red ring with red led
9150-1100	19mm translucent ring with blue led
Momentary	
9150-2000	19mm blue ring with blue led
9150-2001	19mm red ring with red led
9150-2100	19mm translucent ring with blue led
Harness with wires	
9150-6006	5 wires harness with 6" long and 0.2" strip
9150-6001	harness connector only

Illuminated	Red or Blue LED
Voltage Rating	12VDC
Max. Current	10 Amp/12VDC
Mechanical Life	500,000 Cycles
Electrical Life Contact	10,000 Cycles
Resistance Insulation	50 mΩ Maximum
Resistance	1000mΩ Minimum
Dielectric Strength	2,000 VAC
Operate Storage Temp	-20°C ~ +55°C
Action Trip	3mm
IP Protection Class	Front panel protection to IP67
Plug Life Testing	10 Amp / 10,000 Cycles
Impact Resistance	IK 10 , Acceleration 20g
Salt Spray Resistance	Meet ASTM B117 & JIS-Z371 Std.
Contact Material	Silver Alloy
Actuation Force	3.5 N
Panel Thickness	1-6mm
Mounting Nut Torque	5-14Nm
Body Material	Stainless Steel SS304

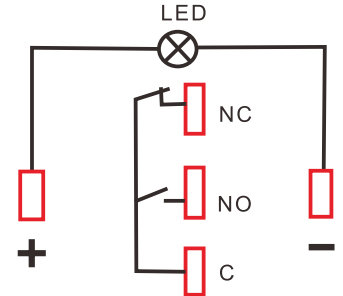
Mounting

(in inch)

Recommended mounting Hole size

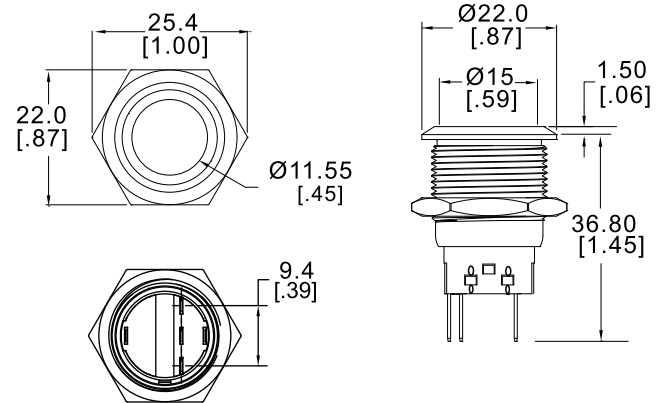


Diagram

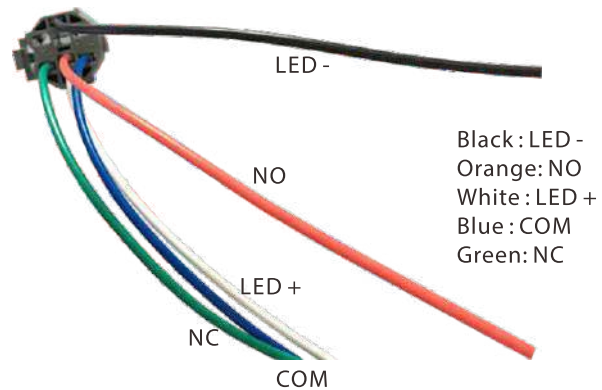


C: Common Input
 NO: Normal Open, Push On C+NO
 NC: Normal Close, Push Off C+NC
 - : LED Negative input .
 + : LED Positive input.

Drawing



Harness Wires

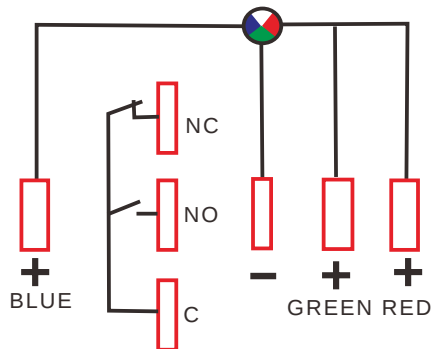


Harness Connector



Metal Button Switch (Pin Type)

Mounting Hole Size	Ø .76"
Switch Rating	10A/12VDC
Switch combination	1NO1NC/2NO2NC
Operation Types	Resetable / Self-Locking
Head Sape	Flat
Lamp Type	Full Illuminated



C: Common Input
 NO: Normal Open, Push On C+NO
 NC: Normal Close, Push Off C+NC
 Red: red led Positive input .
 Blue: blue led Positive input.
 Green: green led Positive input.
 -: LEDs common Negative input

Part # 9150-2003 Momentary



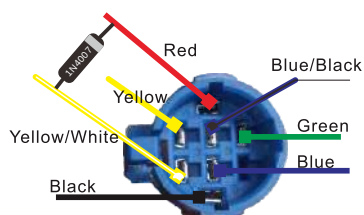
Part # 9150-1003 Latching



Part # 9150-6306

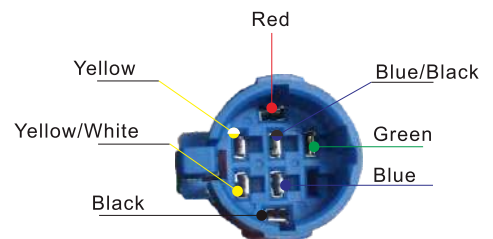
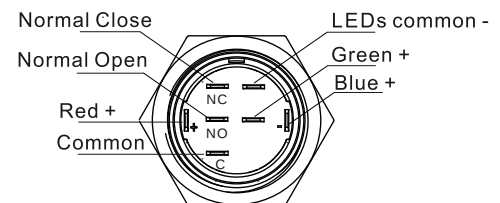
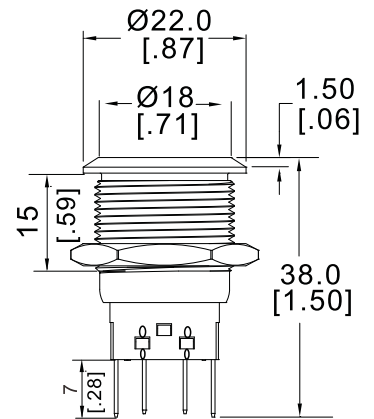
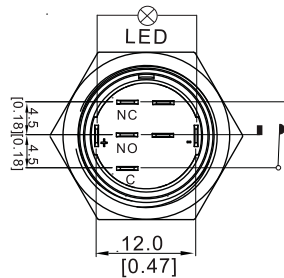
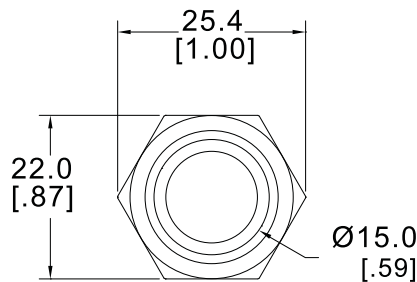


Recommended Pump Installation



put a diode 1N4007 to bridge
 the Yellow/White and Red wires

Noted:
 The diode not installed will damage led



Tail Configuration	Pin Terminal
Switch Specifications	AC250/3A, DC12V/10A
Max. Current	10Amp/12VDC
Contact Resistance	< 50mΩ
Insulation Resistance	> 1000MΩ
Dielectric Intensity	2000VAC
Ambient Temperature	-20°C ~ +55°C
Mechanical Life	500,000 cycles
Electrical Life	10,000 cycles
Panel Thickness	1 ~ 10mm
Nut Torque	5~14Nm
Operation Pressure	About 3~5N
Operation Stroke	About 2.5mm
IP Protection Class	Front panel protection class to IP67
Plug Life Testing	10Amp / 10,000 Cycles
Impact Resistance	IK 10, Acceleration 20g
Salt Spary Resistance	Meet ASTMB117 & JIS-Z371 Std.

Material

Contact	Silver Alloy
Button	PC/Stainless Steel
Enclosure	304/Nickel Plated Brass/Stainless Steel
Base	PA66

LED Parameters

LED Type	Full Illuminate (LED)
Rated Voltage	6V/12V/24V/110V/220V
LED Color	R O Y G B W
LED Life	40,000 hours

Wire Color Code wire size 20awg

Green	Common Input
Red	Red led positive input
Blue/Black	Green led positive input
Blue	Normal Open
Black	Blue led positive input
Yellow	Normal Close
Yellow/white	LEDs common negative input