



Specifications

Rating: 100 mA / 24 VDC.
 Electrical Life: 100,000 make-and-break cycles at full load.
 Mechanical Life: 500,000 cycles.
 Insulation Resistance: 1,000 MΩ min. at 500 VDC.
 Dielectric Strength: 1,000V RMS @ sea level.
 Contact Resistance: 50 mΩ max. @ 1A 12 VDC (initial value).
 Operating Temperature: -20°C to 55°C.
 Travel: About 1.8 mm.
 Operating Pressure: 3.0 N ± 1.5 N.
 Torque: 1~3 Nm.

Ingree Protection: IP67 (In house test)



Materials

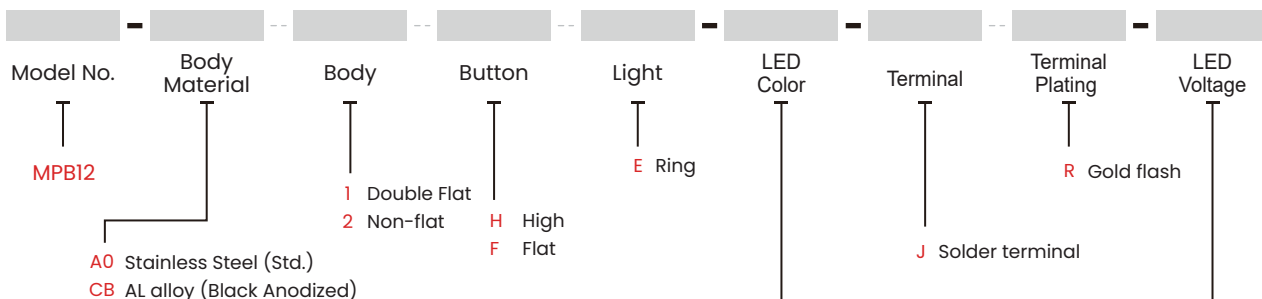
Bushing: Stainless Steel / Aluminum Alloy.
 Base: PA66.
 Actuator: Stainless Steel / Aluminum Alloy / PC.
 Inner Assembly: PC.
 Spring: Spring steel.
 Sealing: Silicone.
 O-Ring: Silicone.
 Terminal: Brass, Gold flash over silver.
 Contact: Brass, Gold plated.
 Hex Nut: Brass, Nickel plated.

Soldering Process

Manual Soldering: Soldering Temperature 280°.
 Duration of solder immersion: Max. 3 sec.

HOW TO ORDER

Note: Specifications and availability subject to change without notice.



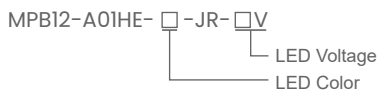
Item No.	Color
0	Without LED
Single Color LED	
1	White
3	Red
5	Yellow
6	Green
7	Blue
Dual Color LED	
A	Red+Green

Resistance (About LED Voltage)	
0V	Without Resistance
3V	LED input 3 VDC, 47Ω Note: Red / Yellow LED type only
6V	LED input 6 VDC, 180Ω
12V	LED input 12 VDC, 470Ω
24V	LED input 24 VDC, 1000Ω

Note: Ohms value of resistance tolerance: ±5%

Note: 1.Current limiting resistor is required to limit LED forward current to 20 mA.
 2.For other LED colors information please consult sales representative.

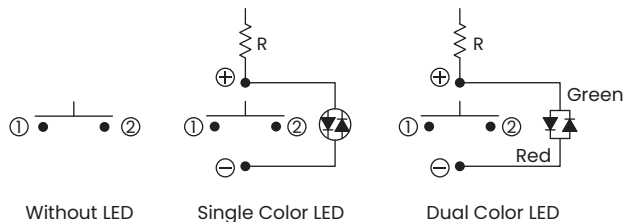
EXAMPLE:
 MPB12-A01HE-0-JR-0V (Without LED)



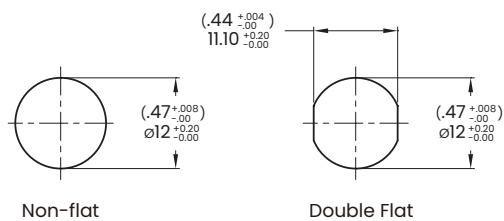


▼ **CIRCUIT AND PANEL CUTOUT**

MPB12
Pushbutton Switches



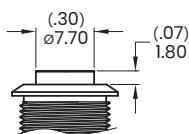
Panel thickness: 8.0 mm (.031 inch) MAX.



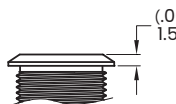
Note: According to the input voltage adjustment resistance.

▼ **BUTTON AND LIGHT OPTIONS**

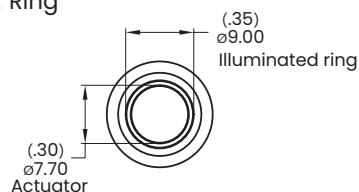
H High



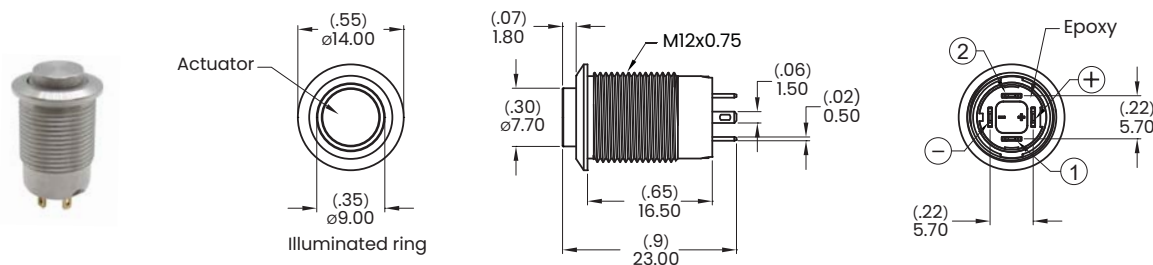
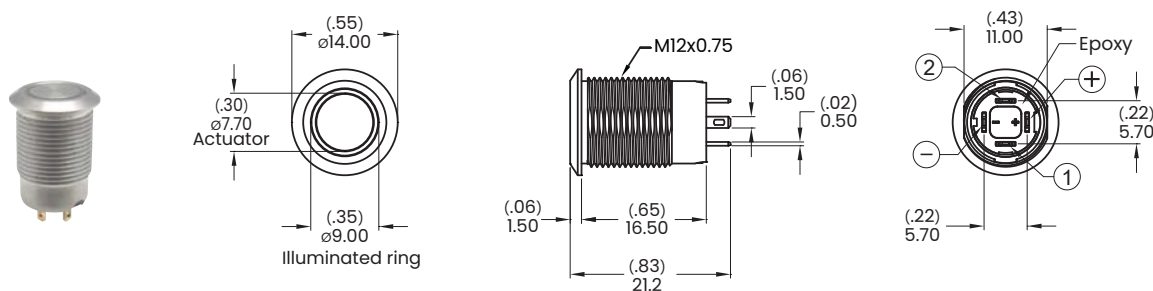
F Flat



E Ring



▼ **DIMENSION**

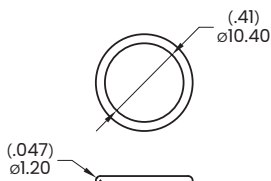


▼ **HARDWARE**

* Standard hardware : 1 Nut, 1 O-Ring
* For further information please consult sales representative.

O-Ring

Model name: VRG-S105129-120BK-1



Hex Nut

Model name: MNU-PA03

