

MP12 Series

Metal pushbutton switch, 12mm, IP67



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

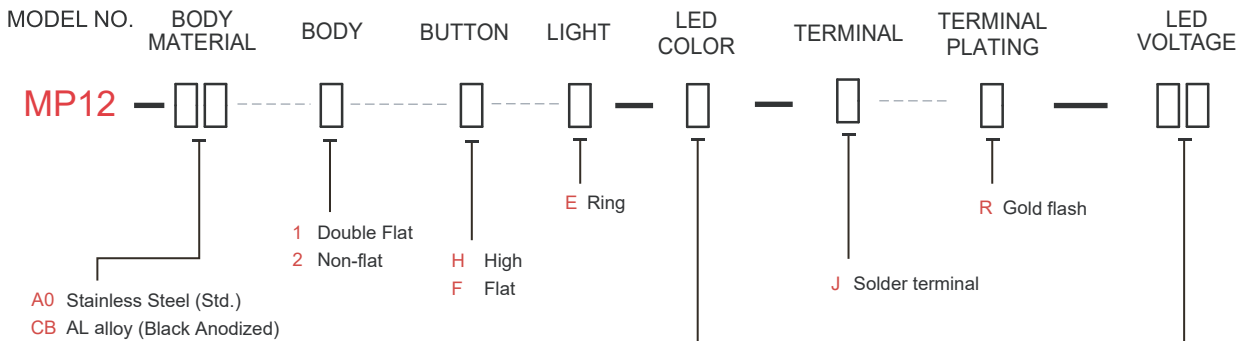
- Bushing: Stainless Steel / Aluminum Alloy.
- Base: PA66.
- Actuator: Stainless Steel / Aluminum Alloy / PC.
- Inner Assembly: PC.
- Spring: Spring steel.
- Sealing: Silicone.
- O-Ring: Silicone.
- Terminal: Brass, Gold flash over silver.
- Contact: Brass, Gold plated.
- Hex Nut: Brass, Nickel plated.

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.



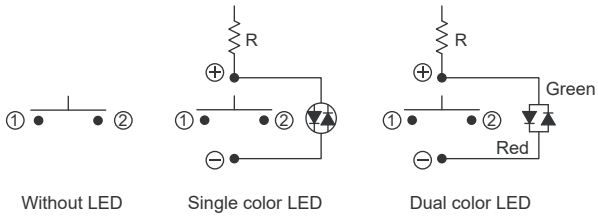
Item No.	Color
0	Without LED
Single Color LED	
1	White
3	Red
5	Yellow
6	Green
7	Blue
Dual Color LED	
A	Red+Green

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%

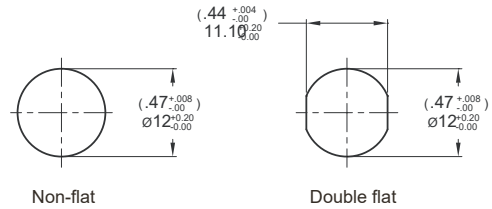
Note: 1.Current limiting resistor is required to limit LED forward current to 20 mA.
2.For other LED colors information please consult sales representative.

CIRCUIT AND PANEL CUTOUT



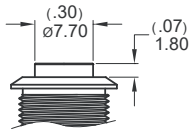
Note: According to the input voltage adjustment resistance.

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

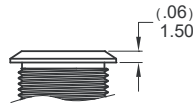


BUTTON AND LIGHT OPTIONS

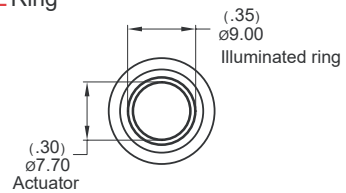
H High



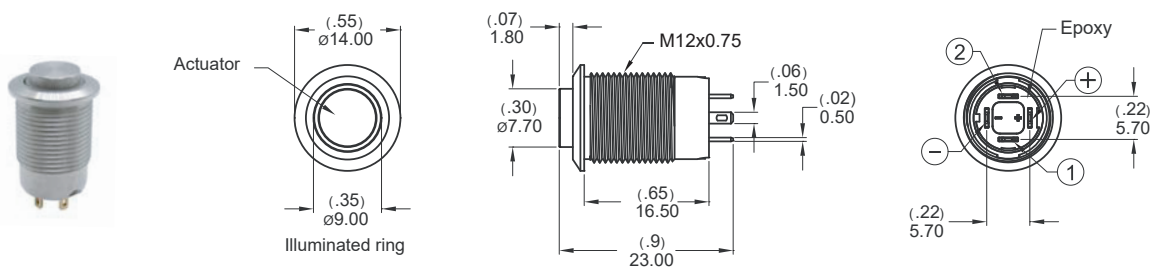
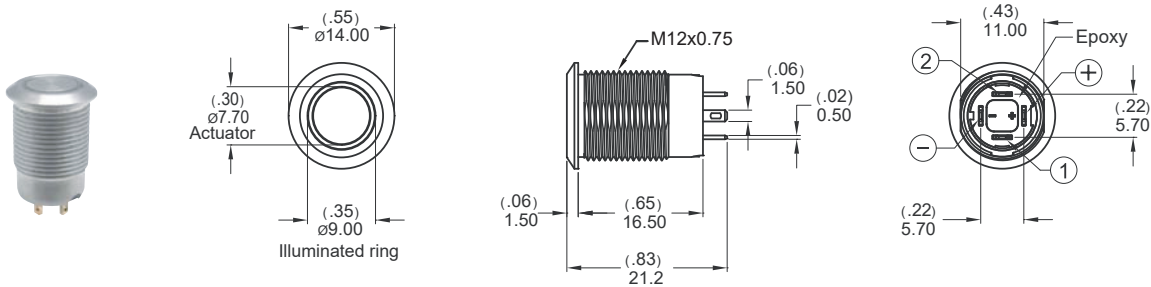
F Flat



E Ring



DIMENSION



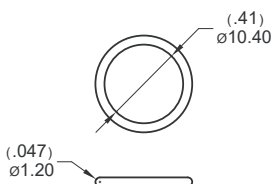
HARDWARE

* 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

