



SPECIFICATIONS

RATING : 2A/36VDC.
ELECTRICAL LIFE : 100,000 Make-And-Break cycles at full load.
INSULATION RESISTANCE : 1,000MΩ Min. at 500VDC.
DIELECTRIC STRENGTH : 2,000V RMS@sea level.
CONTACT RESISTANCE : 50mΩ Max.@1A/12VDC(Initial value)
OPERATION TEMPERATURE : -20°C~+70°C
TRAVEL: About 2.3mm.
OPERATION PRESSURE : 4.5N±1.5N
INGRESS PROTECTION : IP67
TORQUE : 11.5 kgf · cm
THICKNESS : 6.0mm (Max.)
CAP Keeps same high.
Current limiting resistor is required to limit LED forward current to 20mA.

MATERIALS

BUSHING : Aluminum alloy,Anodized.
BASE : Nylon 6/6.
ACTUATOR : POM.
CAP : PC,Aluminum alloy,Anodized.
SPRING : Steel.
SEALING : Silicone.
O-Ring : Silicone.
TERMINAL : Brass,Coin silver,Gold flash plated.
CONTACT : Brass,Coin silver,Gold flash plated.
NUT : Brass(Nickel Plated).

MPB16L
Pushbutton Switches



HOW TO ORDER

MODEL NO. BODY TYPE BUTTON TYPE LIGHT TYPE LED COLOR TERMINAL SHAPE TERMINAL PLATING LED VOLTAGE

MPB16L — [] — [] — [] — [] — [] — [R] — []

Body type
CA AL alloy
(Natural Anodized)
CB AL alloy
(Black Anodized)

Button type
R Round

Light type
E Ring
P Power logo

Terminal shape
J Solder terminal
T1 Wire length 500mm

Terminal plating
R Gold flash

LED color	
ITEM NO	COLOR
00	Without LED
SINGLE COLOR LED	
01	White
03	Red
05	Yellow
06	Green
07	Blue
DUAL COLOR LED	
36	Red&Green
37	Red&Blue
71	Blue&White

Resistance (About LED Voltage)	
3V	LED Input Voltage 3VDC (Without Resistance)
6V	LED input 6 VDC,180Ω
12V	LED input 12 VDC,470Ω
24V	LED input 24 VDC,1000Ω

※ ohms value of resistance
tolerance: ±5%

※ OFF=Without light
ON=LED Blue light
Ex : 07
※ OFF(Red);ON(Green)
Ex : 36

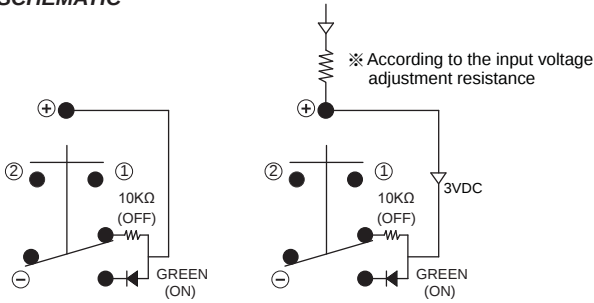
EXAMPLE:
MPB16L-CARE- 00-JR(Without LED)
MPB16L-CARE- [] -JR-3V
LED color

MPB16L Series

16mm Metal Pushbutton Switches(LOCK)

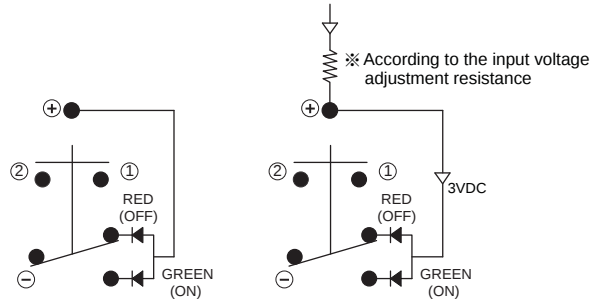
SCHEMATIC / PANEL CUTOUT / HARDWARE

SCHEMATIC



Single Color Led

* Push-OFF, Without light
Push-ON, LED Green light(Latching)

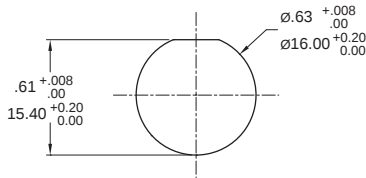


Dual Color Led

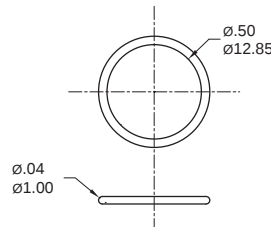
* Push-OFF, LED Red light
Push-ON, LED Green light(Latching)

PANEL CUTOUT

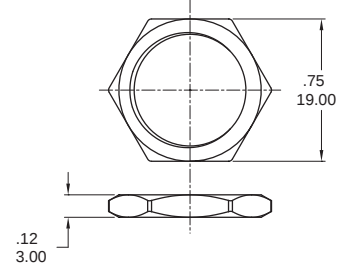
Panel Thickness : 6.0mm Max.



HARDWARE



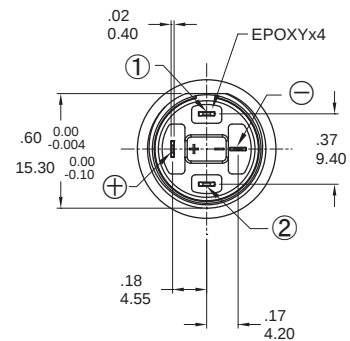
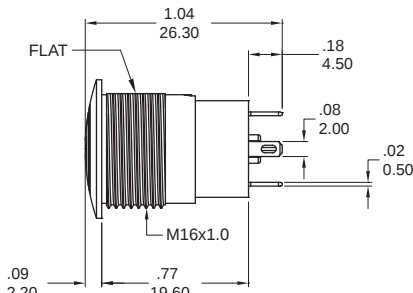
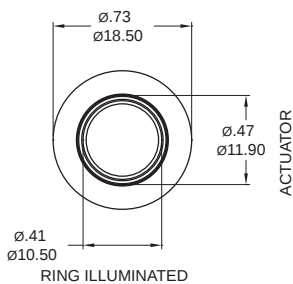
O-RING



NUT

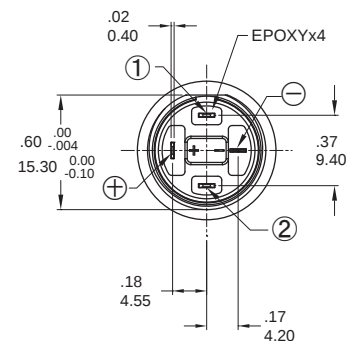
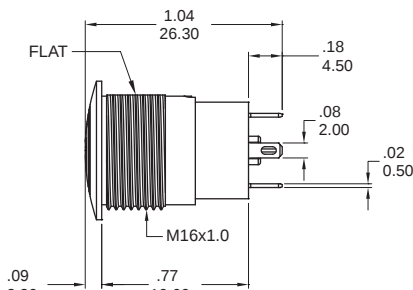
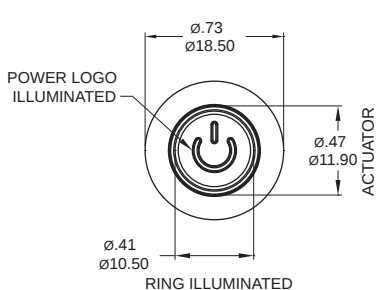
DIMENSION

E Ring



Part No. Shown : MPB16L-CARE-□□-JR-3V

P Power logo



Part No. Shown : MPB16L-CARP-□□-JR-3V