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(In house test)

TORQUE : 11.5 kgf‧cm

※**CAP Keeps same high.**

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).

HOW TO ORDER

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

PBS16L

BODY TYPE:
AL alloy
- **CA** D Shape Natural Anodized
- **CB** D Shape Black Anodized

BUTTON TYPE:
- **R** Round

LIGHT TYPE:
- **E** Ring
- **P** Power logo

TERMINAL TYPE & WIRE:
- **J** Solder terminal
- **T1** 500mm wire leads 20 AWG (STD)

TERMINAL PLATING:
- **R** Gold flash
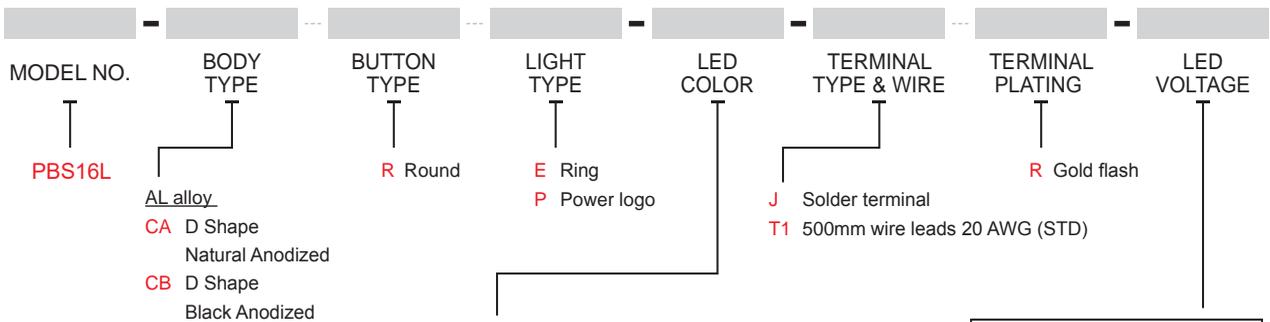
ITEM NO	COLOR
Single Color LED	
00	Without LED
01	White
03	Red
04	Orange
05	Yellow
06	Green
07	Blue
Dual Color LED	
36	Red+Green
37	Red+Blue
71	Blue+White

∗

※ Current limiting resistor is required to limit LED forward current to 20mA.

※ OFF=Without light
ON=LED Blue light
Ex：07

※ OFF(Red);ON(Green)
Ex：36

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%

∗ Except standard color, for other colors information please consult sales representatity.

EXAMPLE:

PBS16L-CARE-00-JR-0 (Without LED)

PBS16L-CARE-☐-JR-☐V

- LED voltage
- LED color

Dimensions shown in inch(mm). Specifications and availability subject to change without notice.

159

PBS16L Series
16mm Metal Pushbutton Switches(LOCK)

C $_{E}$ UL US E 187490   RoHS Compliant   Pb lead-free

▼ CIRCUIT

※ According to the input voltage adjustment resistance

+
② ①
5KΩ (OFF)
− GREEN (ON)

+ 3VDC
② ①
5KΩ (OFF)
− GREEN (ON)

Single Color LED
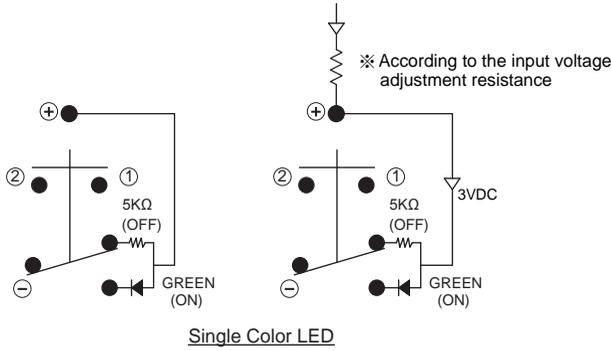
Note: Push-OFF, Without light
Push-ON, LED Green light(Latching)

※ According to the input voltage adjustment resistance

+
② ①
RED (OFF)
− GREEN (ON)

+ 3VDC
② ①
RED (OFF)
− GREEN (ON)

Dual Color LED
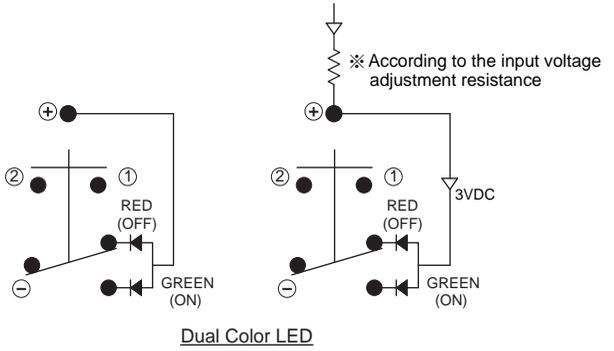
Note: Push-OFF, LED Red light
Push-ON, LED Green light(Latching)

▼ BODY & BUTTON OPTIONS

CA / CB D Shape

M16x1.0

.60 0.00 -0.004
15.30 0.00 -0.10

.77
19.60

R Round

.09
2.20

▼ LIGHT OPTIONS

E Ring

ø.47 ø11.90 Actuator

ø.41 ø10.50 Illuminated ring

P Power logo

Illuminated power logo

ø.47 ø11.90 Actuator

ø.41 ø10.50 Illuminated ring

▼ DIMENSION

ø.73 ø18.50

ø.47 ø11.90

ø.41 ø10.50
ILLUMINATED RING

1.04 26.30
FLAT
.18 4.50
.08 2.00
.02 0.50
ACTUATOR
M16x1.0
.09 2.20
.77 19.60

.02 0.40
EPOXYx4
①
−
.60 0.00 -0.004
15.30 0.00 -0.10
.37 9.40
+
②
.18 4.55
.17 4.20
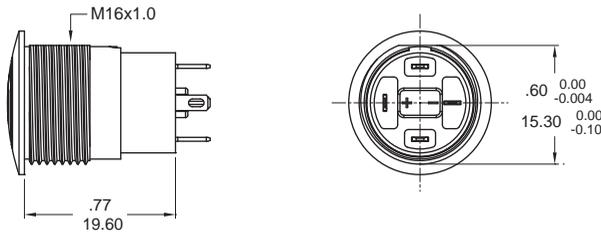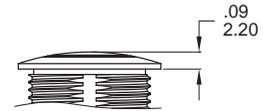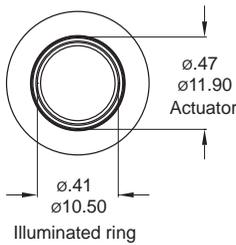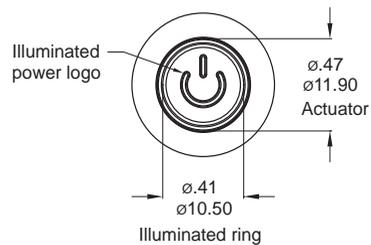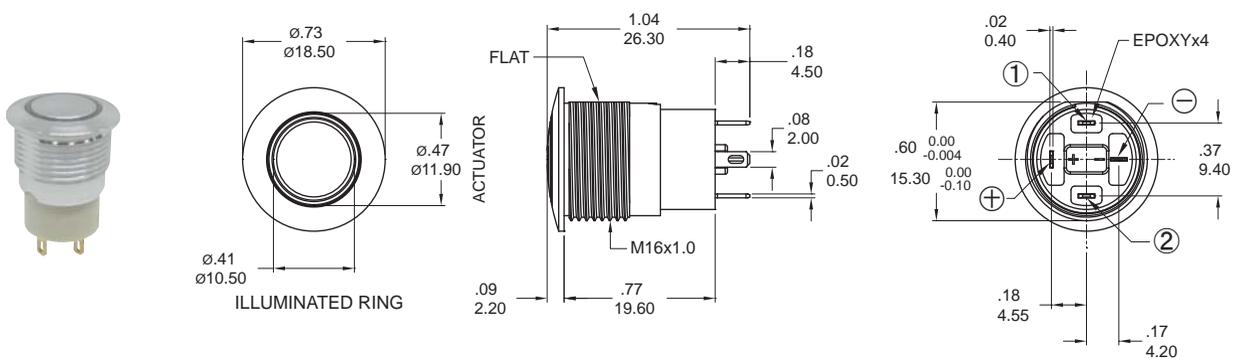
Model name. PBS16L-CARE-07-JR-3V

Dimensions shown in inch(mm).   Specifications and availability subject to change without notice.

▼ WIRE

T1 500mm wire leads 20 AWG

19.7±.39
500±10
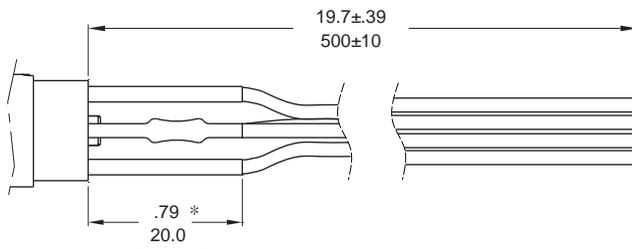
.79 *
20.0
Heat shrink tube

* No external resistance heat shrink sleeve .39inch(10mm).

Terminal 1

LED–

LED+
(Resistor)
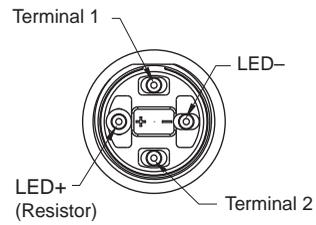
Terminal 2

Wires:
Black wire - Terminal
Red wire - LED (+) Positive
Green wire - LED (-) Negative
* No Illumination: Black Wire - Terminal
* Please consult sales for additional wire options.

▼ PANEL MOUNTING

ø.63 +.008/-.00
ø16.00 +0.20/-0.00

.61 +.008/-.00
15.40 +0.20/-0.00
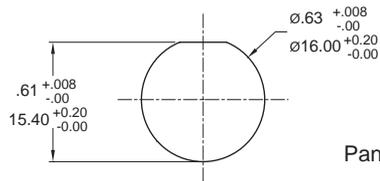
Panel thickness: .24inch(6.0 mm) MAX.

▼ HARDWARE

* Standard hardware : 1 nut, 1 O-ring
* For further information please consult sales representatity.

O-RING (Std.)
Model name. FCP-MP602

ø.50
ø12.85

ø.04
ø1.00
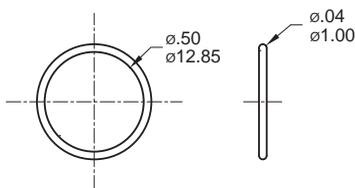
NUT (Std.)
Model name. MNU-PY01

.75
19.00

.12
3.00

M16x1.0

Dimensions shown in inch(mm).   Specifications and availability subject to change without notice.