



19mm Metal Pushbutton Switches



MPB19 Pushbutton Switches



RATING : 1th 5A/250VAC resistive load 3A/250VAC

CONTACT RESISTANCE : 50 mΩ max. @ 1A 12VDC (initial value)

INSULATION RESISTANCE : 1,000 MΩ min. at 500VDC

DIELECTRIC STRENGTH : 2,000V RMS @ sea level

OPERATION TEMPERATURE : -20°C to 55°C

MECHANICAL LIFE : Momentary 1,000,000 cycles

Self-lock 500,000 cycles

ELECTRICAL LIFE : 50.000 make-and-break cycles at full load

TORQUE : 5~14Nm

OPERATION PRESSURE : 1Pole $2.5 \pm 1N$ / 2Poles $3.5 \pm 1N$

TRAVEL : About 3.2mm

INGRESS PROTECTION : IP67, IK10(Stainless)

MATERIALS

BUSHING : Stainless Steel / Brass / Aluminum alloy

BASE : PBT(UL 94-V0) , PC(UL 94-V2)

ACTUATOR : PC(UL 94-V2) : Stainless Steel

Brass / Aluminum alloy

INNER ASSEMBLY : POM / PA66.

SPRING : Spring steel.

SEALING : Silicone.

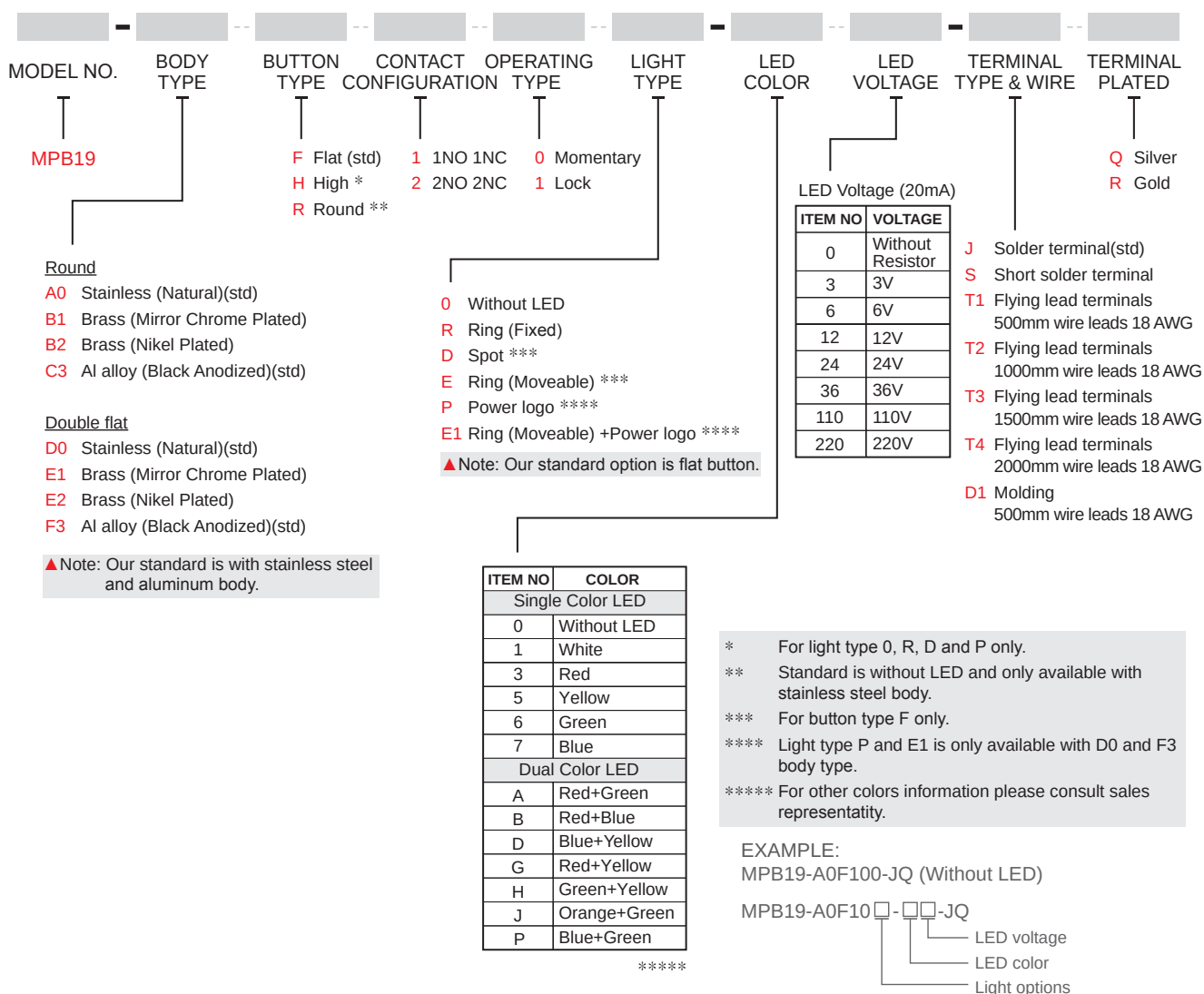
O-Ring : Silicone.

TERMINAL : Brass, gold or silver plated

CONTACT : Brass, coin silver, gold or silver plated

HEX NUT : Nickel plated brass.

HOW TO ORDER





MPB19 Series

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IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

C US
E 187490



▼ CIRCUIT

SINGLE POLE

Without LED

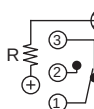


Position 1

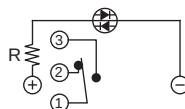


Position 2

Single Color LED

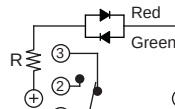


Position 1

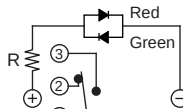


Position 2

Dual Color LED

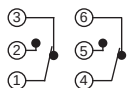


Position 1

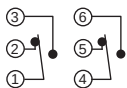


Position 2

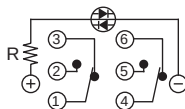
DOUBLE POLE



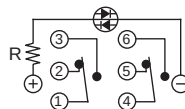
Position 1



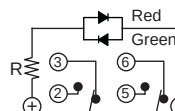
Position 2



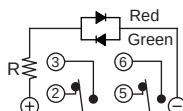
Position 1



Position 2



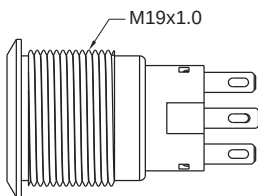
Position 1



Position 2

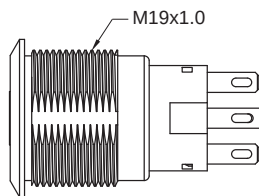
▼ BODY OPTIONS

A0 / B1 / B2 / C3 Round

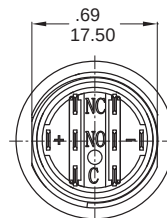


Not available for light type P and E1.

D0 / E1 / E2 / F3 Double flat

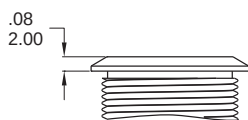


Available with light type P and E1 only.

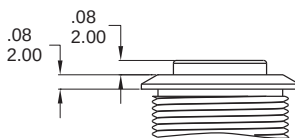


▼ BUTTON OPTIONS

F Flat (std)

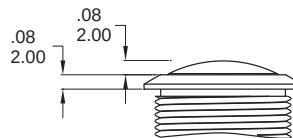


H High



Not available for light type E and E1.

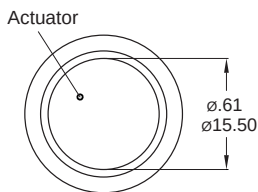
R Round, No LED



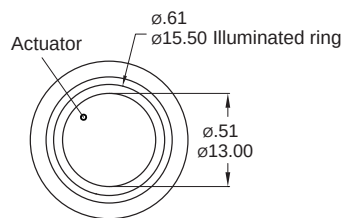
Standard for A0 body type .

▼ LIGHT OPTIONS

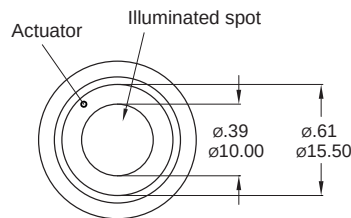
0 Without LED



R Ring (Fixed)

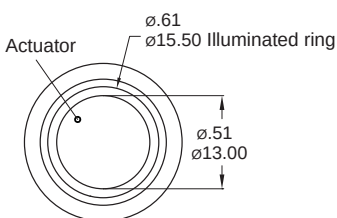


D Spot

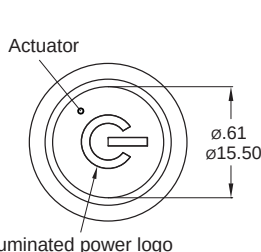


Not available for brass body type.

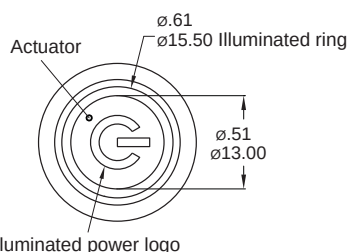
E Ring (Moveable)



P Power logo *



E1 Ring (Moveable)+Power logo *



Available with flat button only.

* Note: Available with double flat body type only.



IP 67
ACCORDING TO
EN 60529:1989+A1:2001
IEC 60529:2001



MPB19 Series

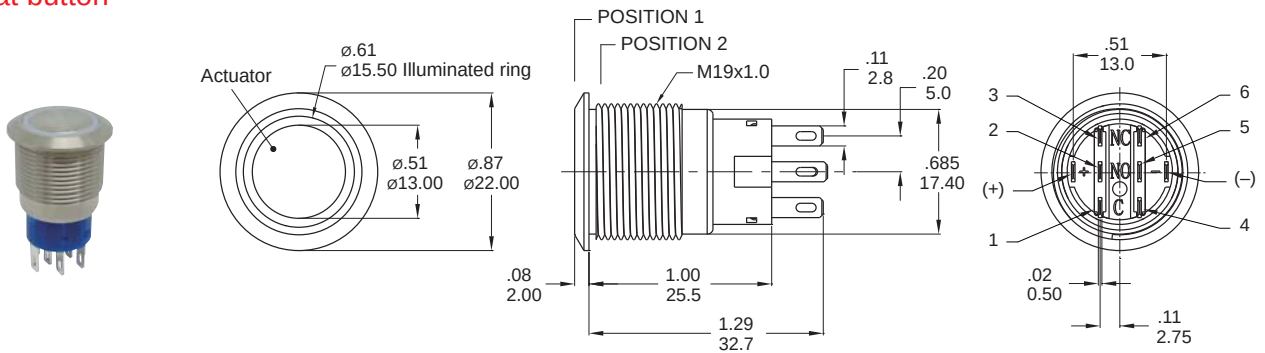
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MPB19
Pushbutton Switches

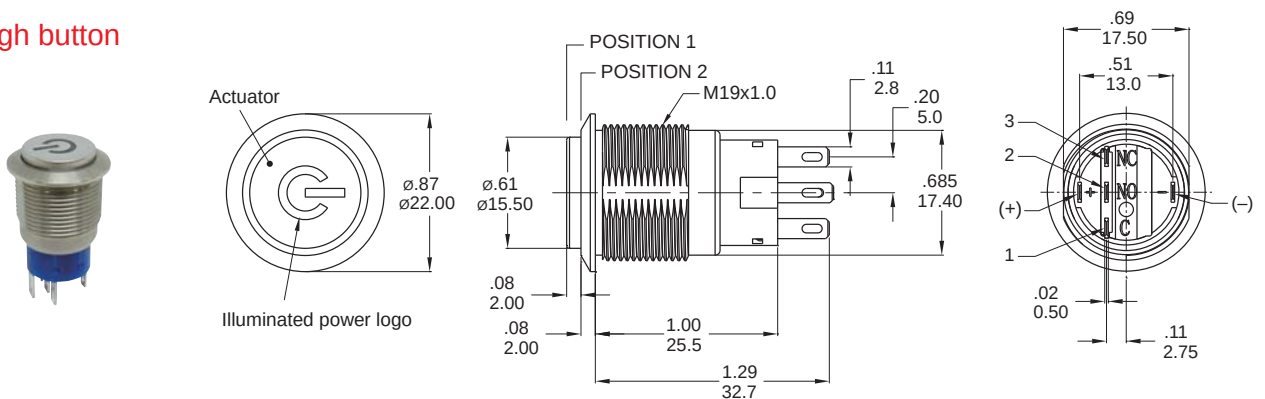
▼ DIMENSION

Flat button



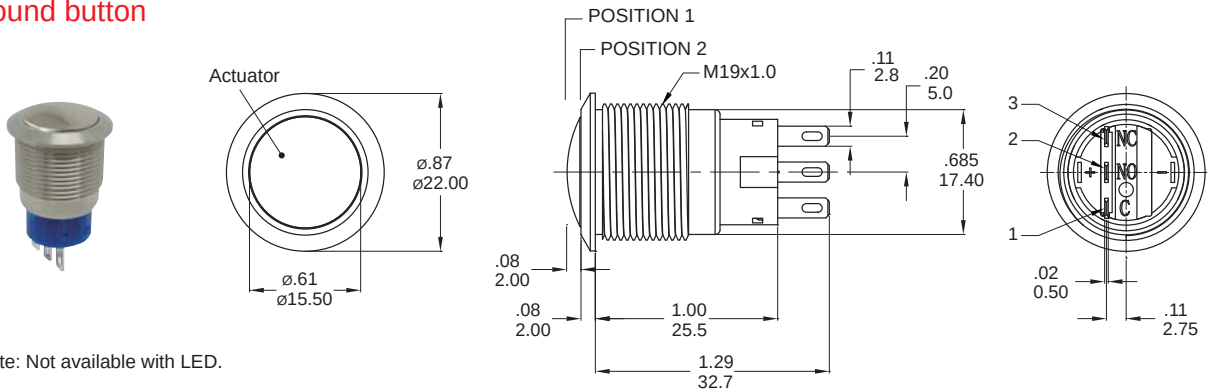
Model name. MPB19-A0F20E-112-JQ

High button



Model name. MPB19-D0H10P-112-JQ

Round button

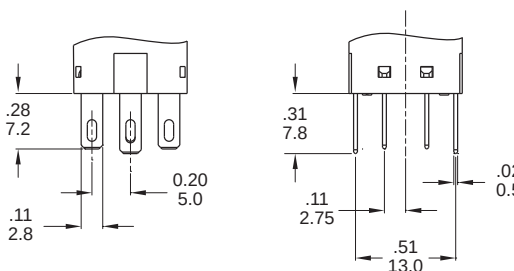


Note: Not available with LED.

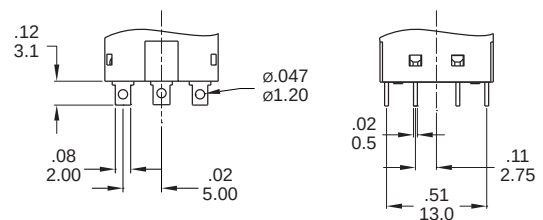
Model name. MPB19-A0R100-JQ

▼ TERMINAL OPTIONS

J Solder terminal (std)



S Short solder terminal





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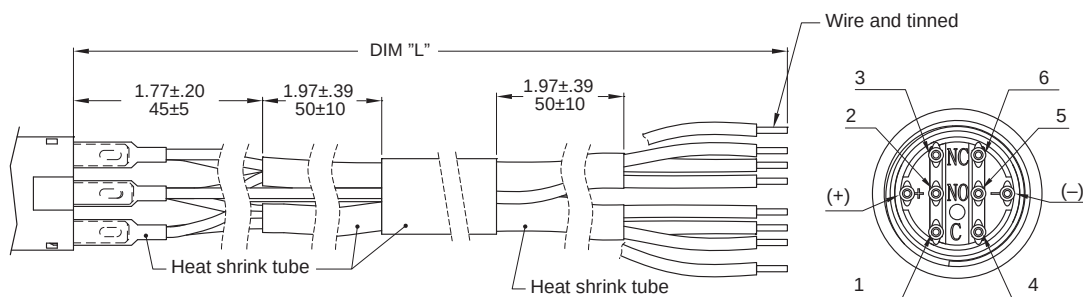
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Pushbutton Switches

▼ WIRE OPTIONS

TX Wire leads UL3385 18 AWG (Flying lead Terminal)

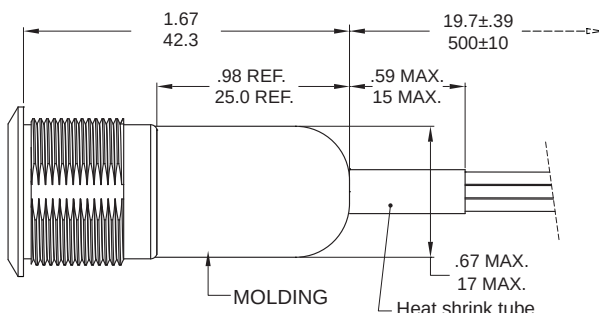


Wires

CODE	DIM "L"
T1	500
T2	1000
T3	1500
T4	2000

Units: mm

D1 Molding, 500mm wire leads UL3385 18 AWG



Wires:

Yellow wire - Terminal 1 and 4

Purple wire - Terminal 2 and 5

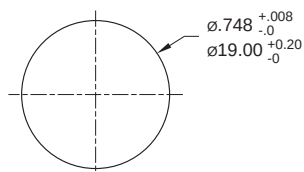
Green wire - Terminal 3 and 6

Red wire - LED (+) Positive

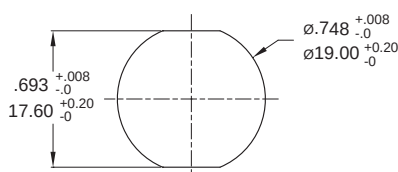
Black wire - LED (-) Negative

* Please consult sales for additional wire options.

▼ PANEL MOUNTING



Round



Double flat

Panel thickness:
.394inch(10.0 mm) MAX.

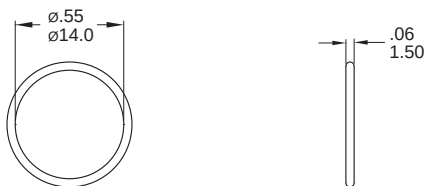
▼ HARDWARE

* Standard hardware : 1 nut, 1 O-ring

* For further information please consult sales representativity.

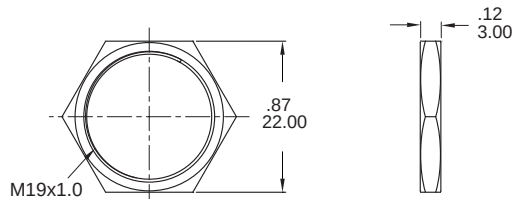
O-RING (Std.)

Model name. FCP-PY02



NUT (Std.)

Model name. MNU-MPB01



▼ O-RING INSTALLATION

Proposal	In front of the panel	Behind the panel
Installation Diagram		