

MPS19 Series

19mm Short Metal Pushbutton Switches



SPECIFICATIONS

RATING : 2A/36VDC
ELECTRICAL LIFE: 200,000 make-and-break cycles at full load.
MECHANICAL LIFE: 1,000,000. Cycles
DIELECTRIC STRENGTH: 2,000V RMS@sea level
CONTACT RESISTANCE: 50mΩ MAX.@1A 12VDC(initial value)
OPERATING TEMPERATURE: -20°C to 70°C
TRAVEL: ABOUT 1.8mm
OPERATION PRESSURE: 4.5±1.5N
INGRESS PROTECTION: IP67,IK10(Stainless)
TORQUE: 1~3Nm
Current limiting resistor is required to limit led forward current to 20mA

MATERIALS

BUSHING : Stainless Steel
BASE : PA66,White UL-94V0
ACTUATOR : PC,Translucent UL-94V2
Stainless Steel
INNER ASSEMBLY : PC,Transparent UL-94V2
SPRING : Spring steel
SEALING : Silicone,Translucent
O-Ring : Silicone
TERMINAL : Brass ,Gold flash plated
CONTACT : Brass,Sliver alloy
HEX NUT : Brass,Nickel plated



MPS19
Pushbutton Switches

HOW TO ORDER

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



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

MPS19

Body Material
A0 Stainless (Natural)

Body type
1 Double flat
2 Non-flat
3 D Shape

Button type
F Flat

Light type
N Without LED
E Ring
P Power+Ring

Terminal shape
J Solder terminal

Terminal plating
R Gold flash

Accessories

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

※ ohms value of resistance
tolerance: ±5%

LED Color

ITEM NO	COLOR
0	Without LED
1	White
3	Red
5	Yellow
6	Green
7	Blue
DUAL COLOR LED	
A	Red&Green
B	Red&Blue

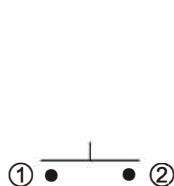
Wire
□ Without wire
L0001 Wire length 500mm

EXAMPLE:
MPS19-A01FN-0-JR-0V (Without LED)
MPS19-A01FE-□-JR-□V
LED color LED voltage
MPS19-A01FE-3-JR-12V-L0001(Wire)

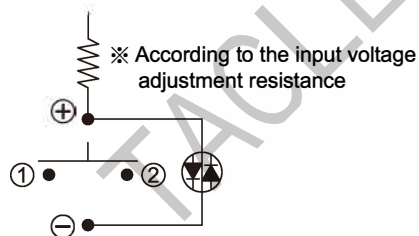
MPS19 Series

19mm Short Metal Pushbutton Switches

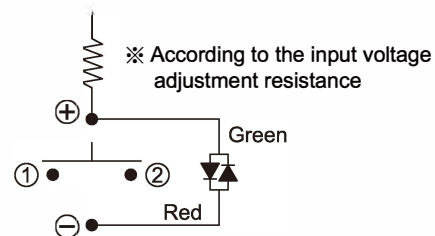
CIRCUIT



Without Led



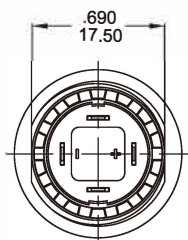
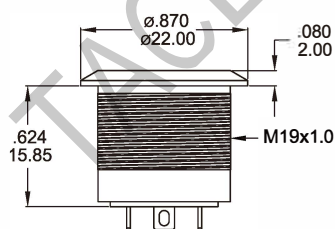
Single Color Led



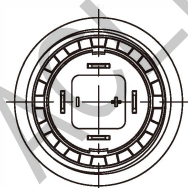
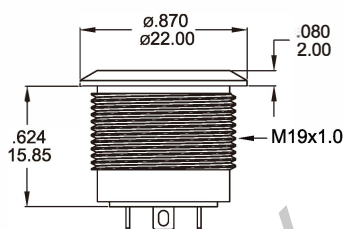
Dual Color Led

BODY TYPE

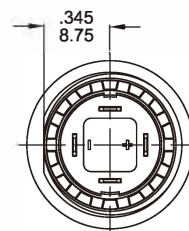
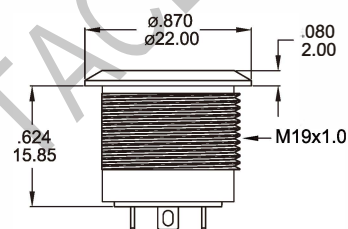
Double flat



Non-flat

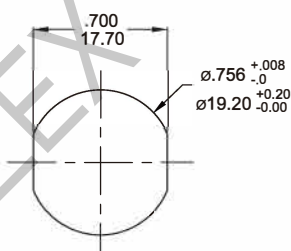


D Shape

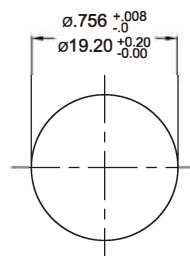


PANEL CUTOUT

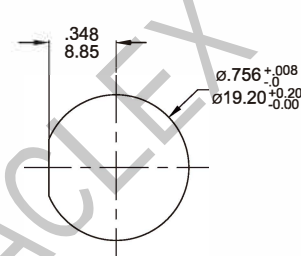
Thickness: 6.0mm(Max.)



Double flat



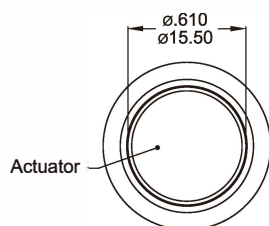
Non-flat



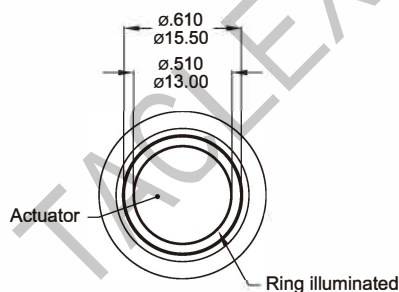
D Shape

LIGHT TYPE

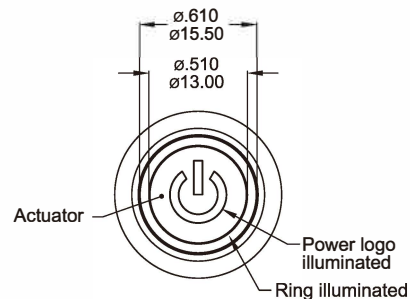
N Without LED



E Ring



P Power+Ring

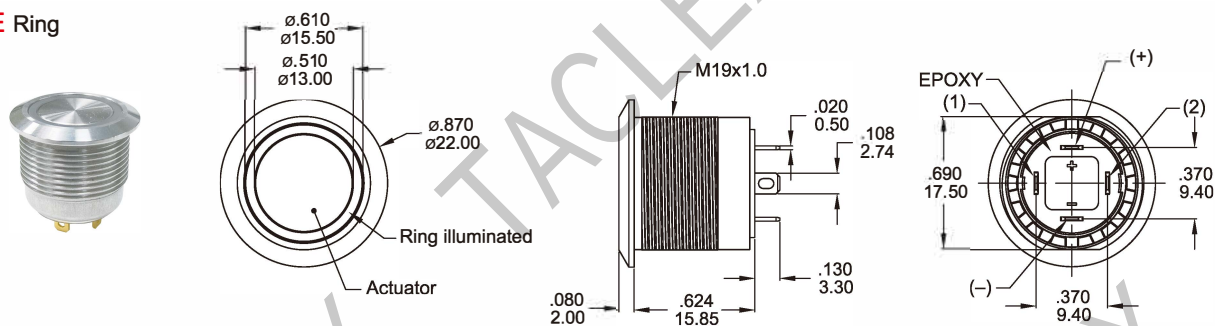


MPS19 Series

19mm Short Metal Pushbutton Switches

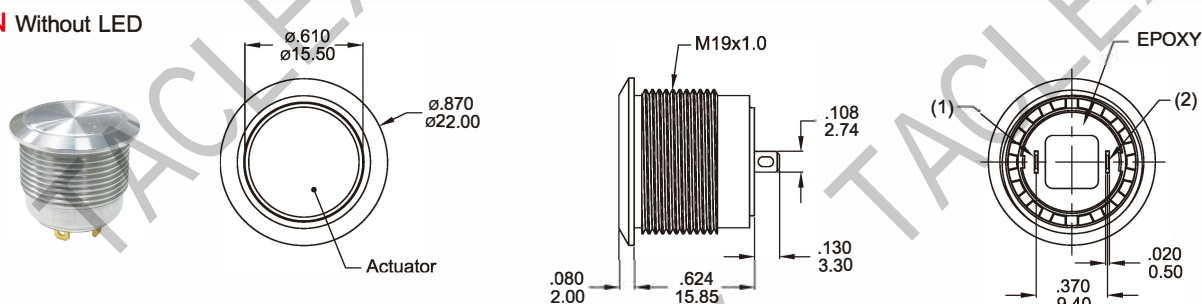
LIGHT TYPE

E Ring



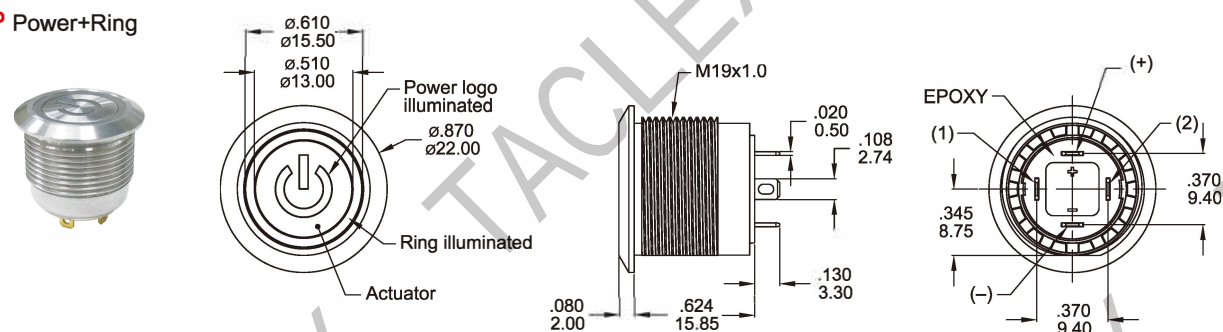
Part No. Shown : MPS19-A01FE-□-JR-□V

N Without LED



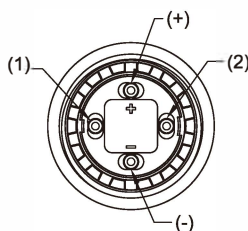
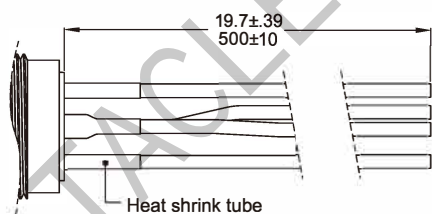
Part No. Shown : MPS19-A02FN-0-JR-0V

P Power+Ring



Part No. Shown : MPS19-A03FP-□-JR-□V

L0001 ※Wire=Multi-wire lead AWG20,section 0.6mm²,UL approved

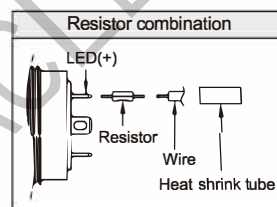


Non-LED

Description	Wire color
Terminal 1	Black
Terminal 2	Black

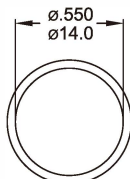
With LED

Description	Wire color
Terminal 1	Black
Terminal 2	Black
LED+	Red
LED-	Green

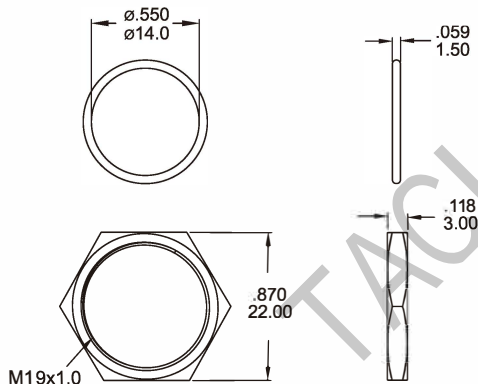


ADDITIONAL

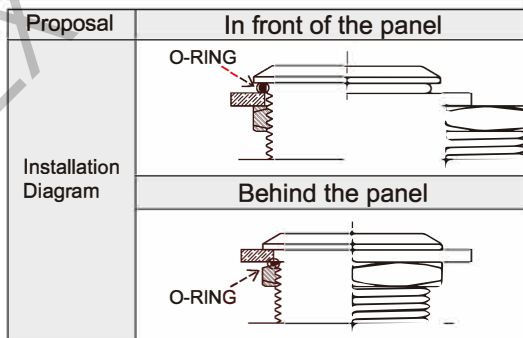
O-RING
No.:CP-PY02



M19 NUT
No.:NU-MPB01



O-RING INSTALLATION



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