

MPS22 Series

22mm 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

MPS22

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

MPS22

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
	LED input 3 VDC,47Ω
3V	* Red/Yellow/Orange 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:

MPS22-A01FN-0-JR-0V (Without LED)

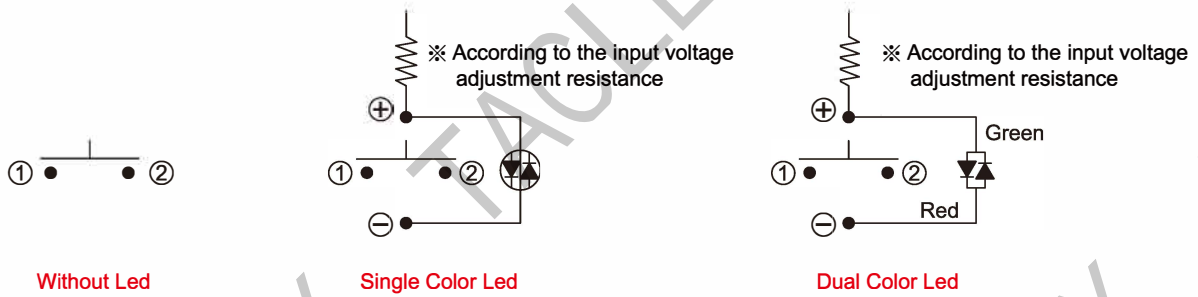
MPS22-A01FE-□-JR-□V

LED color LED voltage

MPS22 Series

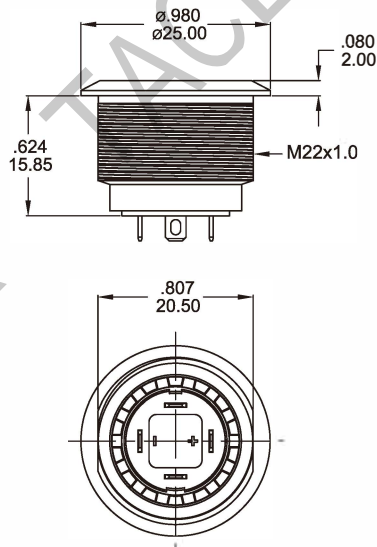
22mm Short Metal Pushbutton Switches

CIRCUIT

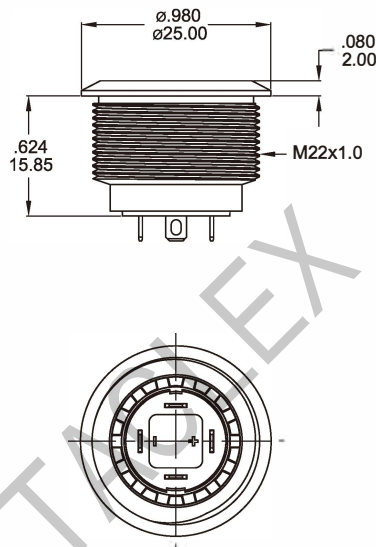


BODY TYPE

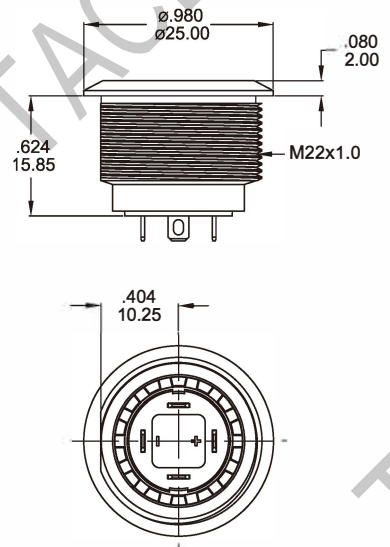
Double flat



Non-flat

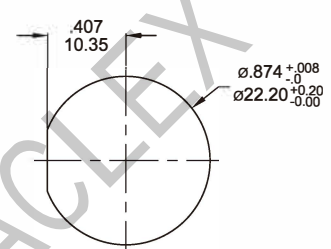
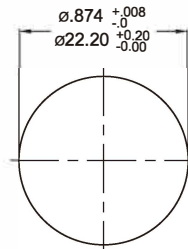
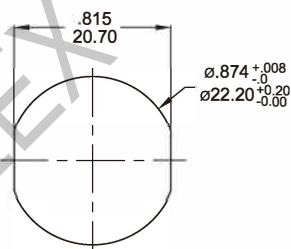


D Shape



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Pushbutton Switches

PANEL CUTOUT
Thickness: 6.0mm(Max.)



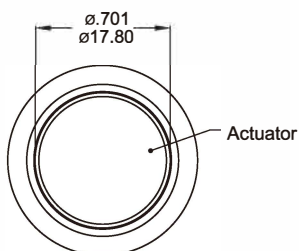
Double flat

Non-flat

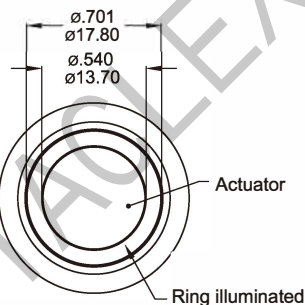
D Shape

LIGHT TYPE

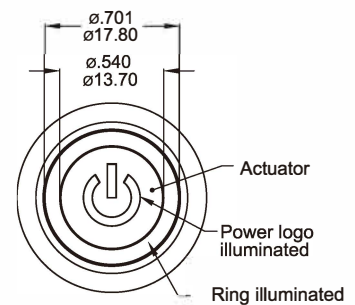
N Without LED



E Ring



P Power+Ring

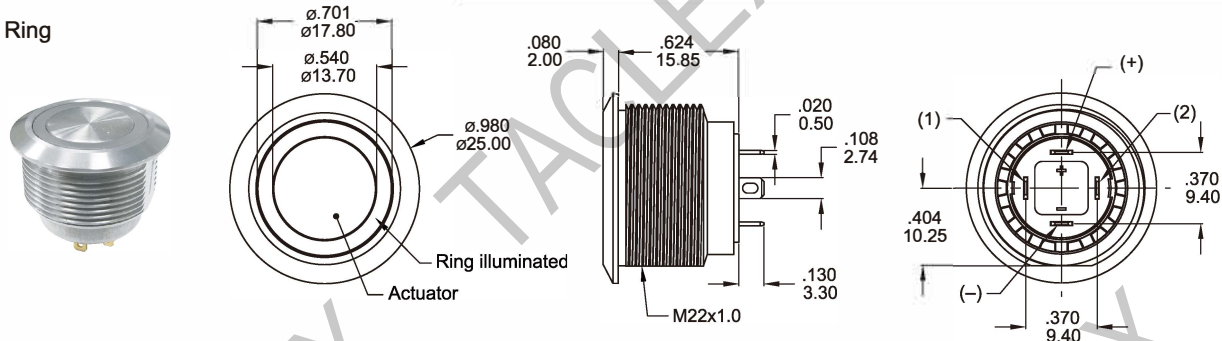


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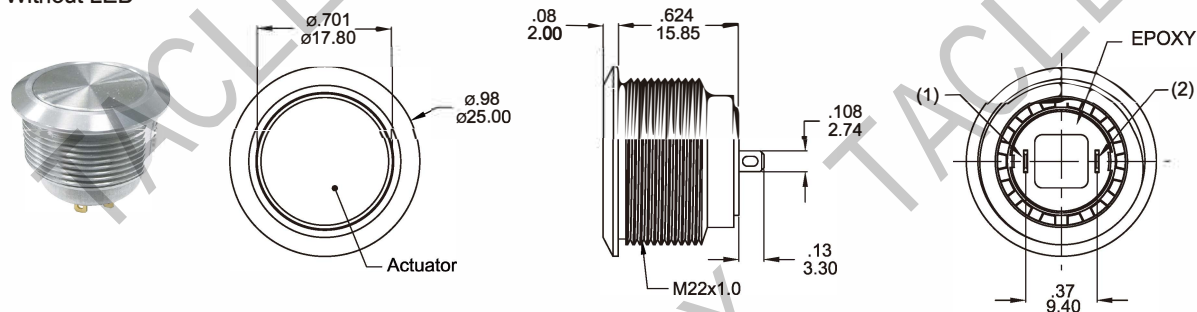
LIGHT TYPE

E Ring



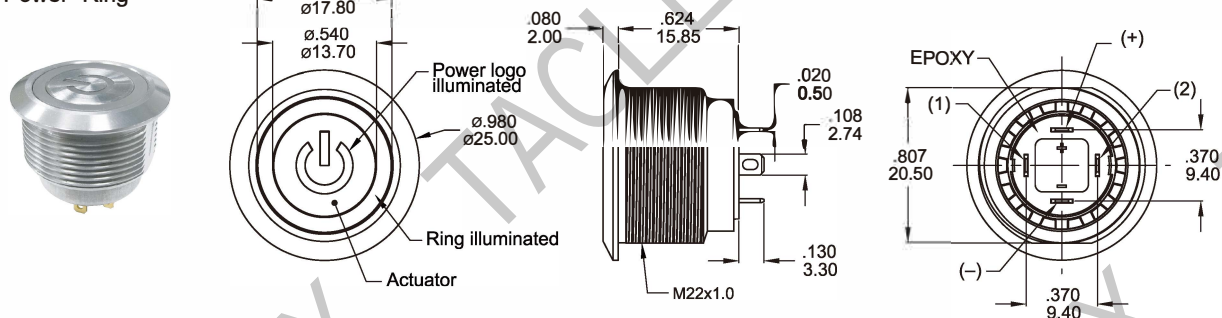
Part No. Shown : MPS22-A03FE-□-JR-□V

N Without LED



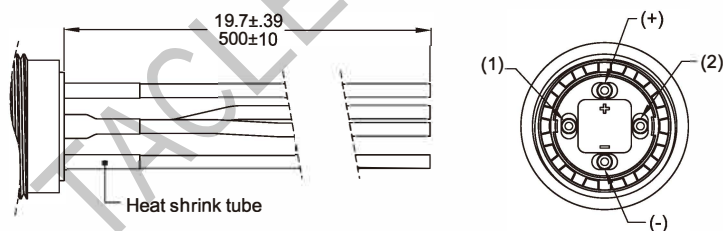
Part No. Shown : MPS22-A02FN-0-JR-0V

P Power+Ring



Part No. Shown : MPS22-A01FP-□-JR-□V

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

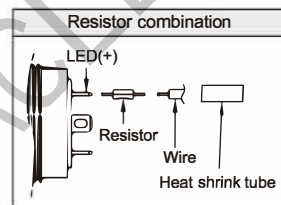


Non-LED

Description	Wire color
Terminal 1	Black
Terminal 2	Black

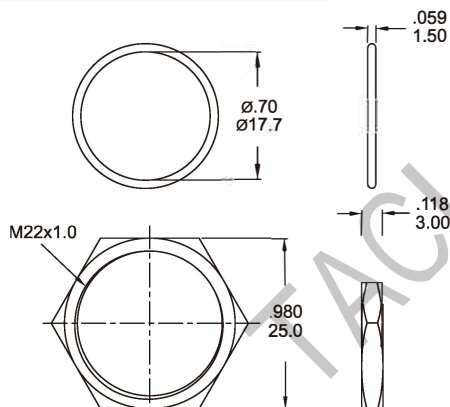
With LED

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



ADDITIONAL

O-RING
No.:CP-MPB07



M22 NUT
No.:NU-MPB02

O-RING INSTALLATION

