

MPS25 Series

25mm 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 1.8±0.2mm
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,Black
TERMINAL : Brass ,Gold flash plated
CONTACT : Brass,Sliver alloy
HEX NUT : Brass,Nickel plated

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

MPS25 — ☐ — ☐ — ☐ — ☐ — ☐ — ☐ — ☐ — ☐ — ☐ — ☐

Body Material
A0 Stainless (Natural)

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

Button type
F Flat

Light type
E Ring
P Power+Ring

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

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/Orange LED type only
6V	LED input 6 VD,180ΩC
12V	LED input 12 VDC,470Ω
24V	LED input 24 VDC,1000Ω

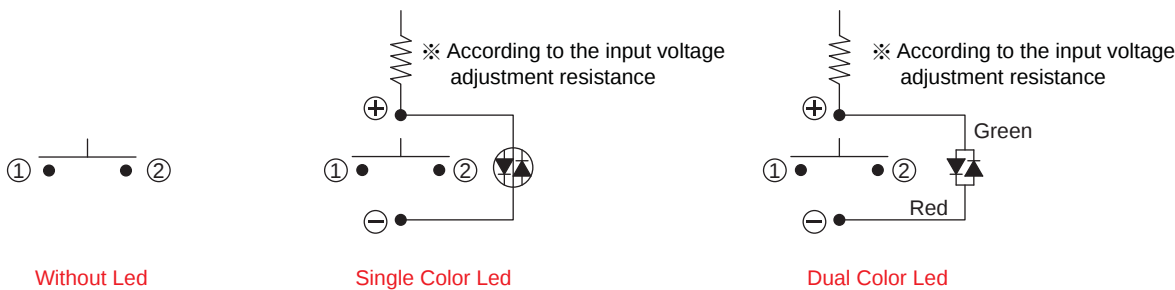
※ ohms value of resistance tolerance: ±5%

Wire

☐ Without wire
L0001 Wire length 500mm

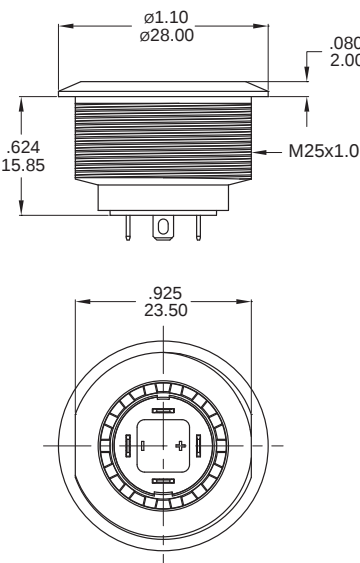
EXAMPLE:
MPS25-A01FE-0-JR-0V (Without LED)
MPS25-A01FE-☐-JR-☐V
LED color LED voltage

CIRCUIT

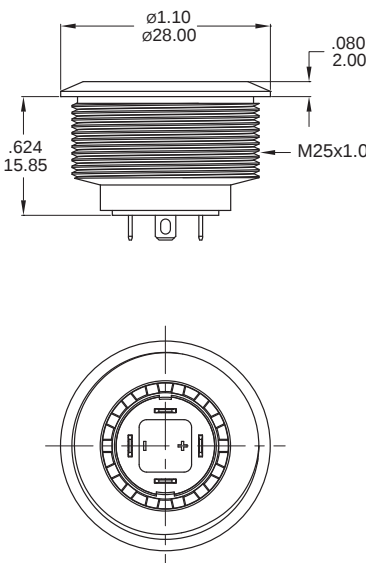


BODY TYPE

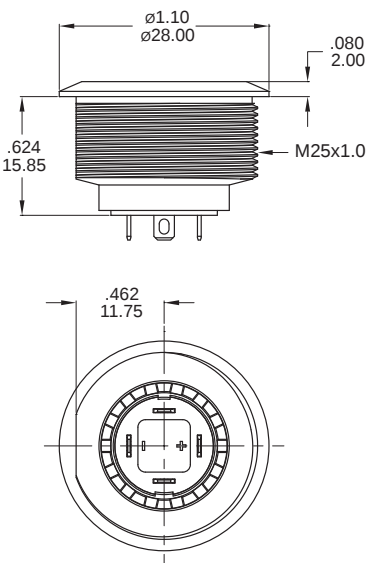
Double flat



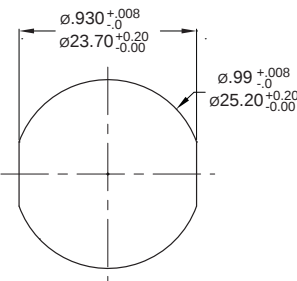
Non-flat



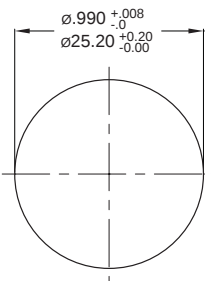
D Shape



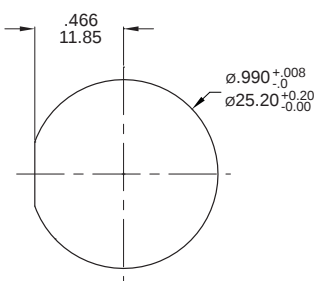
PANEL CUTOUT
Thickness: 6.0mm(Max.)



Double flat



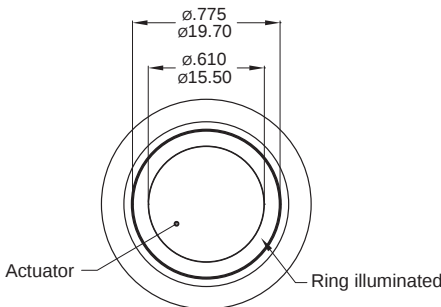
Non-flat



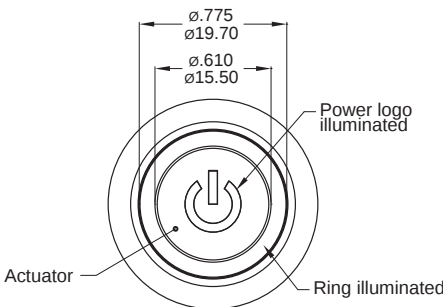
D Shape

LIGHT TYPE

E Ring



P Power+Ring

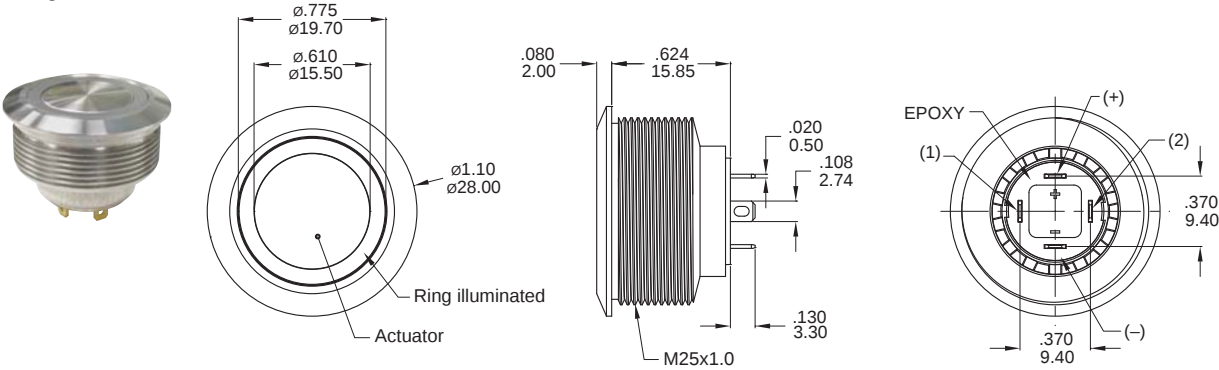


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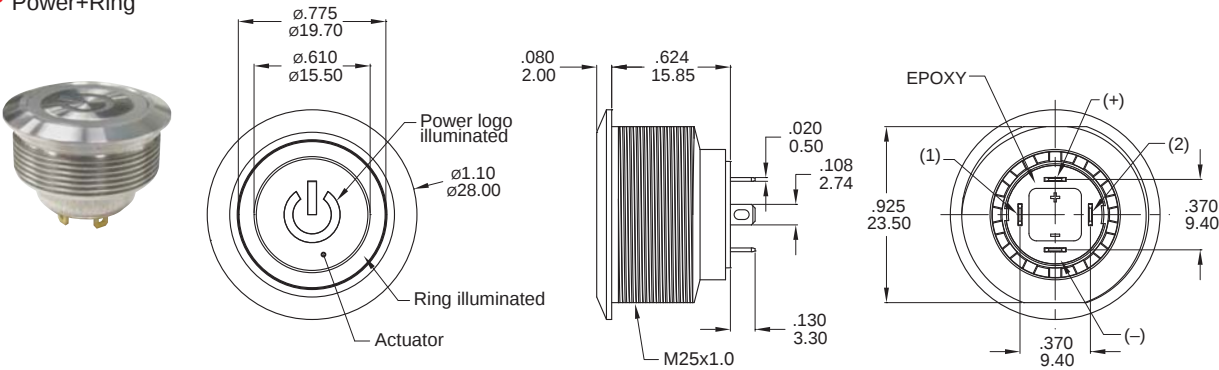
LIGHT TYPE

E Ring



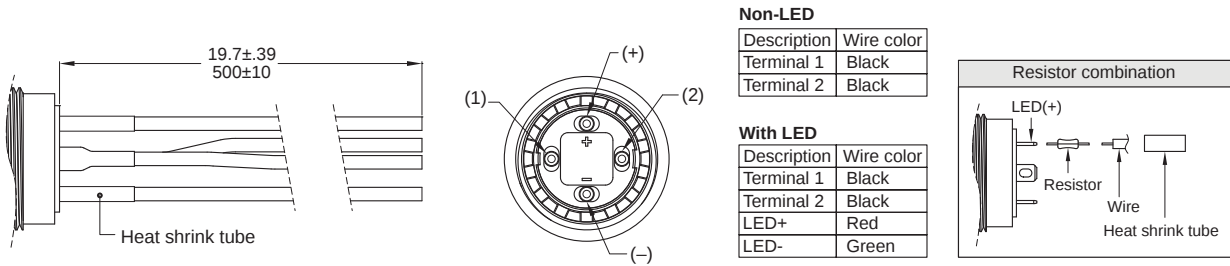
Part No. Shown : MPS25-A02FE-□-JR-□V

P Power+Ring



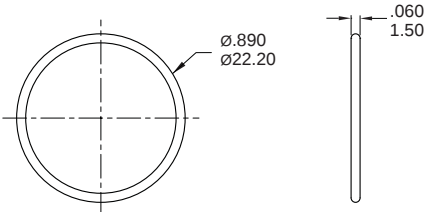
Part No. Shown : MPS25-A01FP-□-JR-□V

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

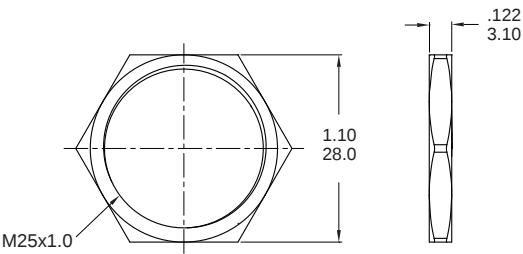


ADDITIONAL

O-RING
No.:CP-MPB25



M25 NUT
No.:NU-MPB03



O-RING INSTALLATION

