

MPB25 Series

25mm Metal Pushbutton Switches



SPECIFICATIONS

RATING : lth 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
PANEL THICKNESS : 10mm (Ø25.20mm)
OPERATION PRESSURE : 1Pole 2.5±1N / 2Poles 3.5±1N
TRAVEL : About 3.2mm
INGRESS PROTECTION : IP67, IK08(Stainless)

MATERIALS

BUSHING : Stainless Steel / Aluminum alloy
BASE : PBT(UL 94-V0) , PC(UL 94-V2)
ACTUATOR : PC; Stainless Steel / Aluminum alloy
INNER ASSEMBLY : POM / PA66.
SPRING : Spring steel.
SEALING : Silicone.
O-Ring : Silicone.
TERMINAL : Brass,with silver or gold plated.
CONTACT : Brass,Coin silver,with silver or gold plated
HEX NUT : Nickel plated brass



MPB25
Pushbutton Switches

HOW TO ORDER

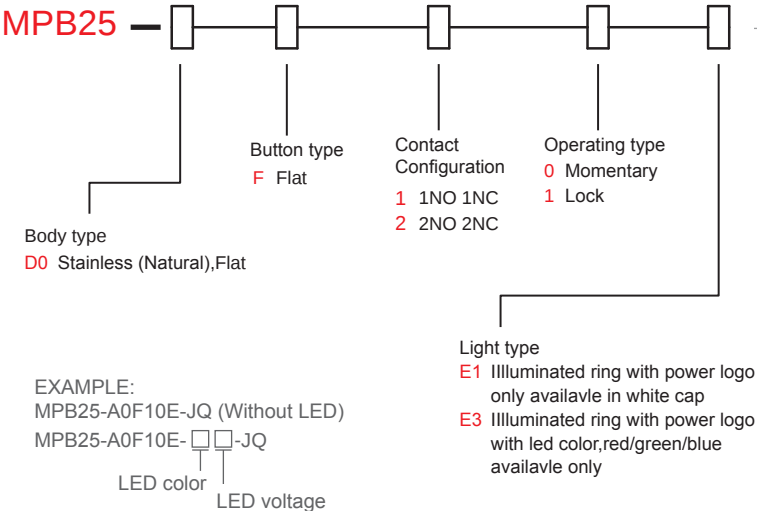
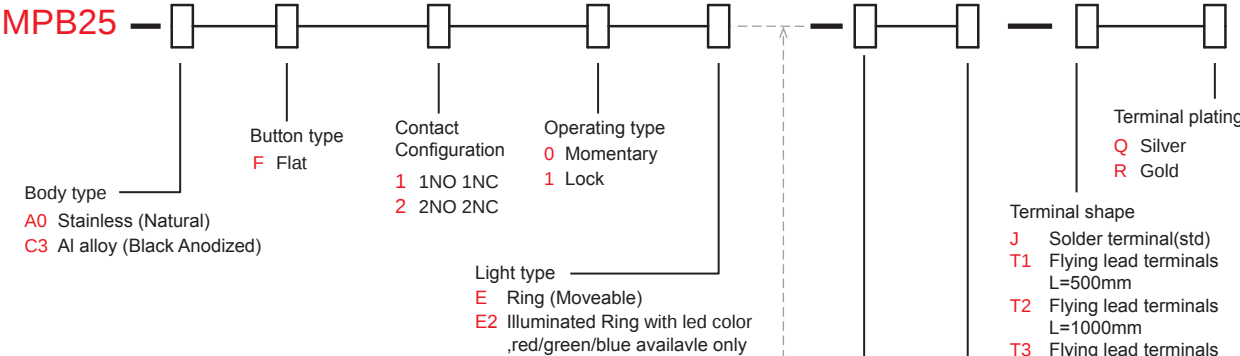
IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

UL
E 187480

RoHS
compliant

Pb
lead-free

MODEL NO. BODY TYPE BUTTON TYPE CONTACT CONFIGURATION OPERATING TYPE LIGHT TYPE LED COLOR LED VOLTAGE TERMINAL SHAPE TERMINAL PLATING



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
D	Blue&Yellow
G	Red&Yellow
H	Green&Yellow
J	Orange&Green

LED Voltage (20mA)	
ITEM NO	VOLTAGE
0	Without Resistor
3	3V
6	6V
12	12V
24	24V
36	36V
110	110V
220	220V

CIRCUIT

POSITION 1



POSITION 2

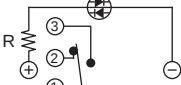


Without LED (1 Pole)

POSITION 1

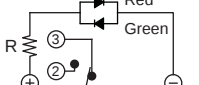


POSITION 2

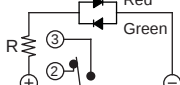


Single Color Led (1 Pole)

POSITION 1

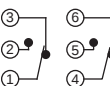


POSITION 2

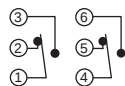


Dual Color Led (1 Pole)

POSITION 1

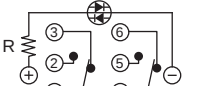


POSITION 2

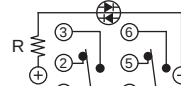


Without LED (2 Poles)

POSITION 1

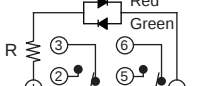


POSITION 2

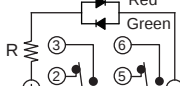


Single Color Led (2 Poles)

POSITION 1



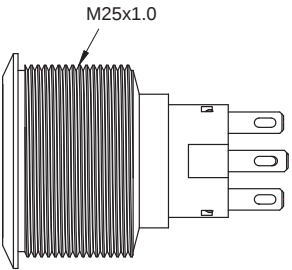
POSITION 2



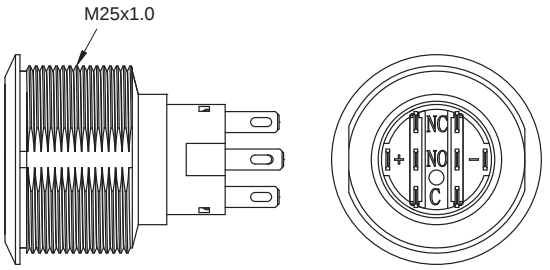
Dual Color Led (2 Poles)

BODY TYPE

A0/C3 Body

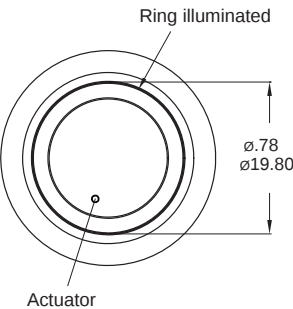


D0 Body (Flat)

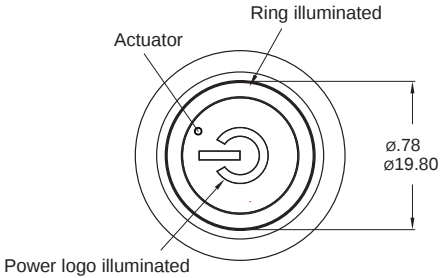


LIGHT TYPE

E Ring (Moveable)



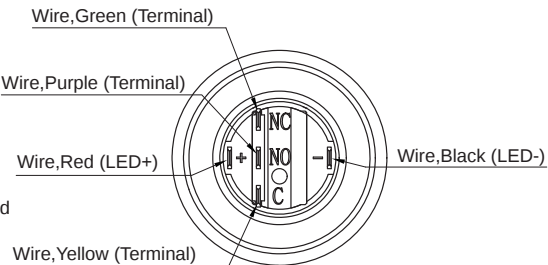
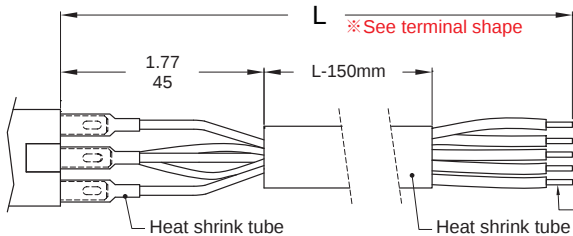
E3 Ring+Power logo



* Only for D0 body type.

Wire (Flying lead Terminals)

※ Wire=UL 3385, 18AWG, 300V(Black/Yellow/Green/Red/Purple)

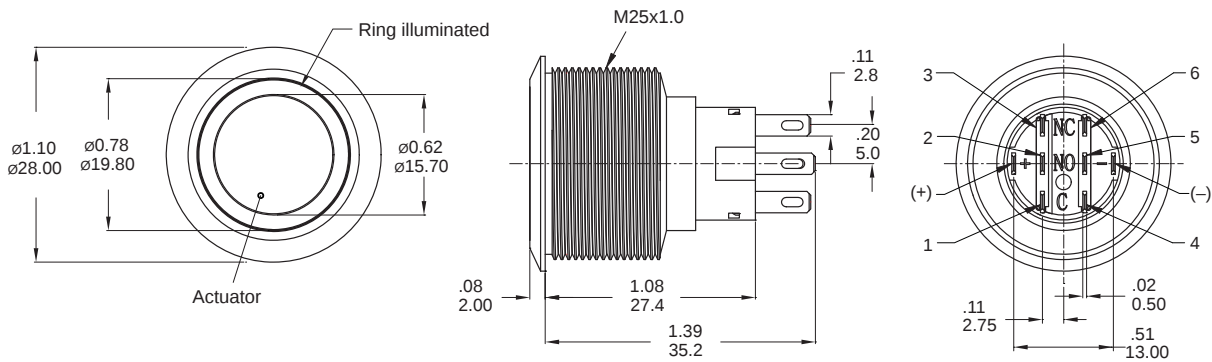


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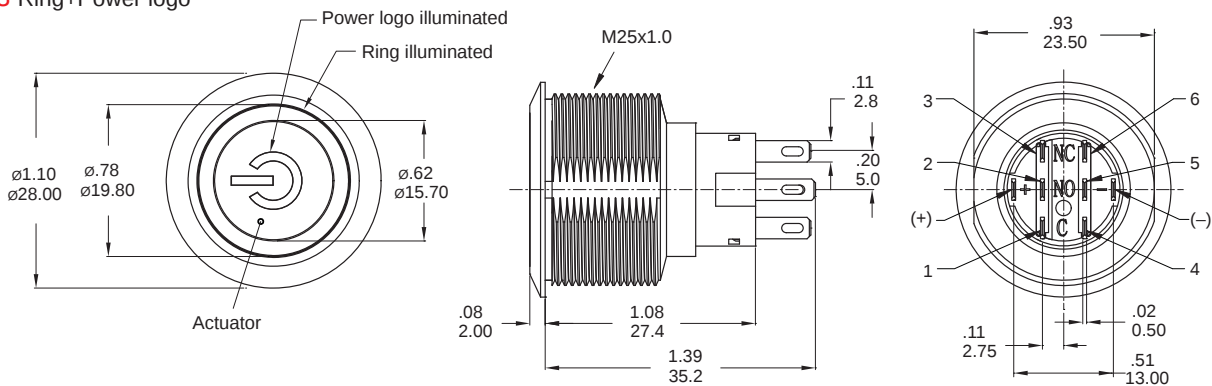
LIGHT TYPE

E Ring (Moveable)



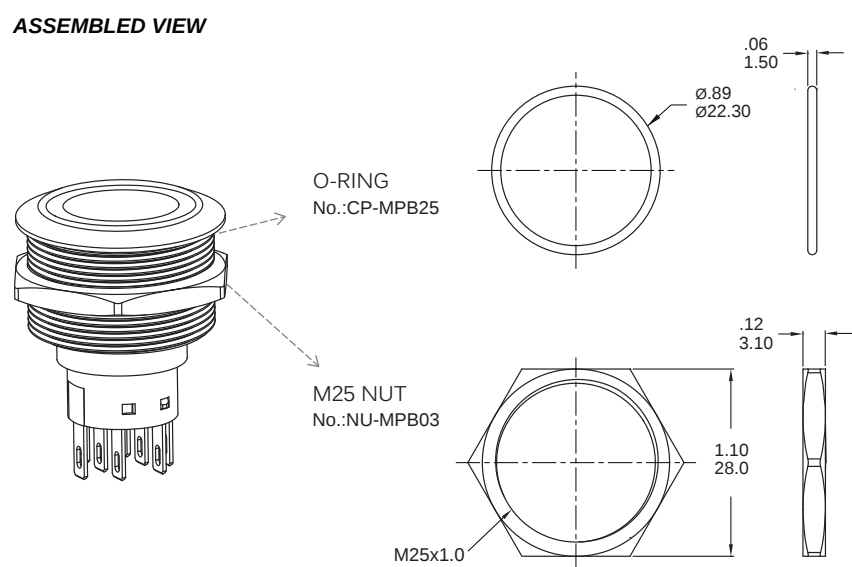
Part No. Shown : MPB25-A0F2□E-□□-JQ

E3 Ring+Power logo



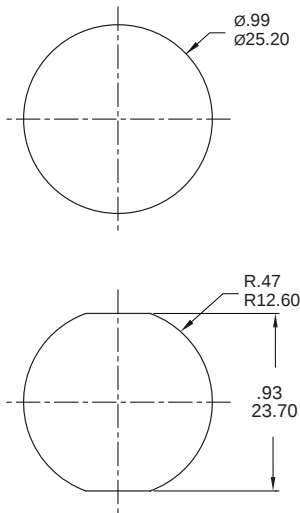
Part No. Shown : MPB25-D0F2□E3-□□-JQ

ASSEMBLED VIEW



PANEL MOUNTING

Max. Panel thickness: 10.0mm[.39]



O-RING INSTALLATION

Proposal	In front of the panel	Behind the panel
Installation Diagram		