

MPB25 Series

25mm Metal Pushbutton Switches



SPECIFICATIONS

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
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 / CONTACT : Copper ,Silver plated.
HEX NUT : Nickel plated brass

HOW TO ORDER

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

C US
 E 187490

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

MPB25 — [] — [] — [] — [] — [] — [] — [] — [] — []

Body type
 A0 Stainless (Natural)
 C3 Al alloy (Black Anodized)

Contact Configuration
 1 1NO 1NC
 2 2NO 2NC

Button type
 F Flat

Operating type
 0 Momentary
 1 Lock
 Light type
 E Ring (Moveable)

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
 T1 Flying lead Terminals
 L=500mm
 T2 Flying lead Terminals
 L=1000mm
 T3 Flying lead Terminals
 L=1500mm
 T4 Flying lead Terminals
 L=2000mm

LED voltage (20mA)

ITEM NO	VOLTAGE
0	Without LED
3	3V
6	6V
12	12V
36	36V
24	24V
110	110V
220	220V

Terminal plating
 Q Silver
 R Gold

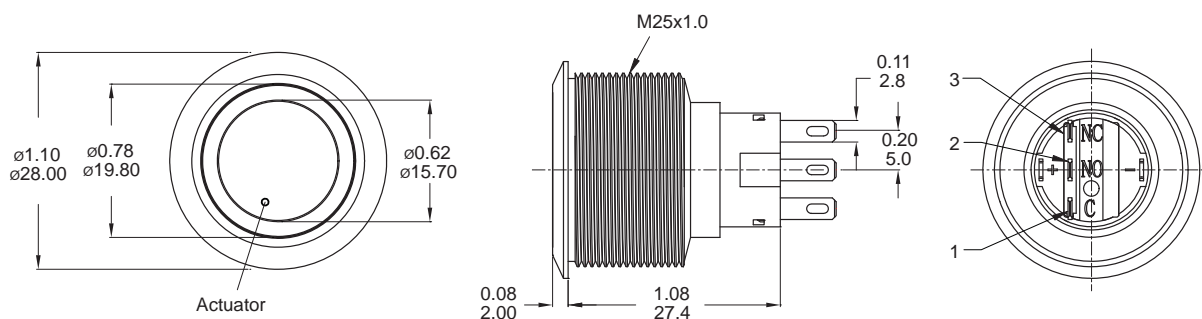
EXAMPLE:
 MPB25-A0F10E-JQ (Without LED)

MPB25-A0F10E- [] -JQ

LED color
 LED voltage

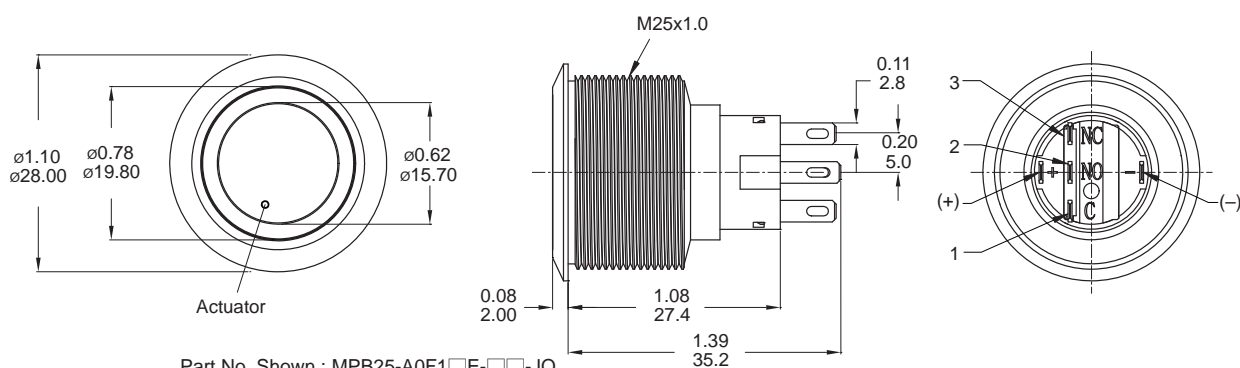
LIGHT TYPE

Without LED



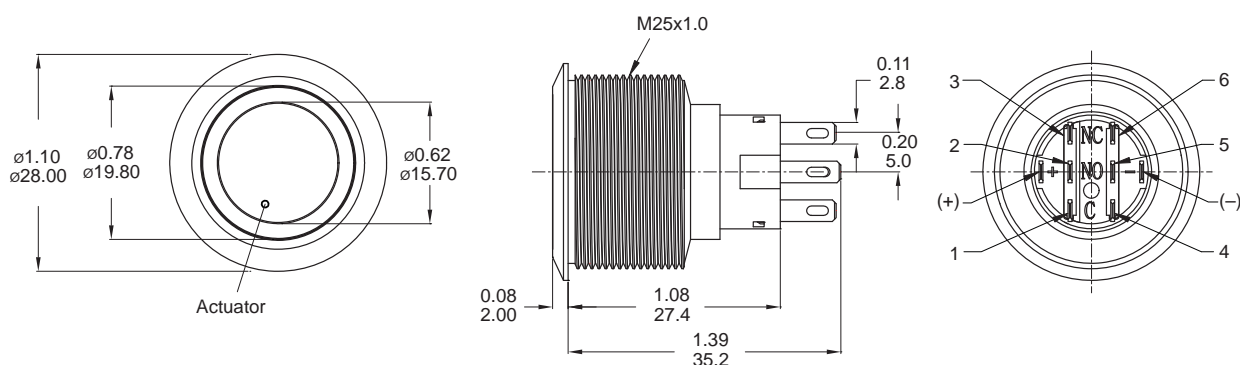
Part No. Shown : MPB25-A0F1□E-JQ

E Ring (Moveable)



Part No. Shown : MPB25-A0F1□E-□□-JQ

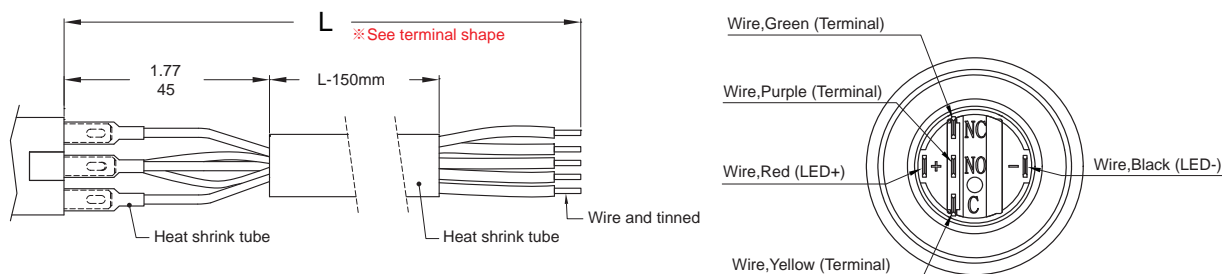
E Ring (Moveable)



Part No. Shown : MPB25-A0F2□E-□□-JQ

Wire (Flying lead Terminals)

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

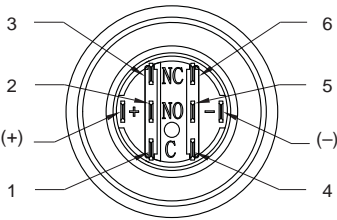


MPB25
19mm Metal Switches

MPB25 Series

25mm Metal Pushbutton Switches

CIRCUIT



Single Color Led

POSITION 1

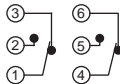


POSITION 2

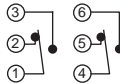


Without LED (1 Pole)

POSITION 1

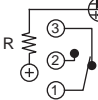


POSITION 2

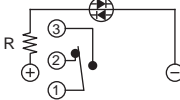


Without LED (2 Poles)

POSITION 1

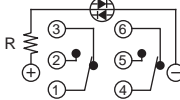


POSITION 2

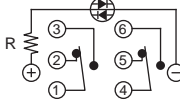


With LED (1 Pole)

POSITION 1

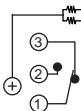


POSITION 2

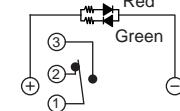


With LED (2 Poles)

POSITION 1

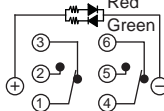


POSITION 2

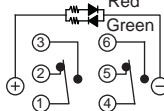


With LED (1 Pole)

POSITION 1

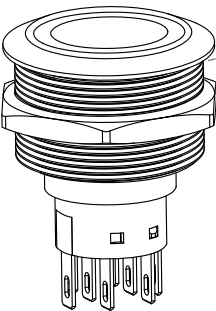


POSITION 2



With LED (2 Poles)

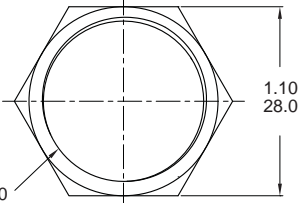
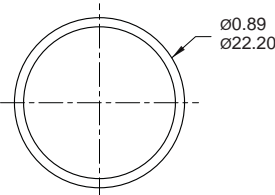
ASSEMBLED VIEW



O-RING
No.:CP-MPB25

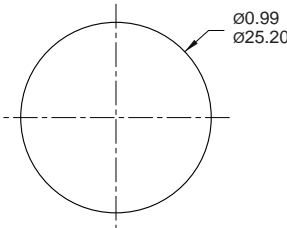
M25 NUT
No.:NU-MPB03

M25x1.0



PANEL MOUNTING

Max.Panel thickness: 10.0mm[0.39]



Proposal	In front of the panel	Behind the panel
Installation Diagram		