

## Illuminated pushbutton Ø 22 mm silver contact

82-6551.2113



<https://eao.com/p/82-6551.2113>

Your product:

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82-6551.2113

Illuminated pushbutton Ø  
22 mm silver contact

#### FRONT

**Front bezel material:** Aluminium

**Front bezel shape:** flush

#### MOUNTING

**Mounting cut-out:** Ø 22 mm

#### OPERATING-/INDICATION PART

**Lens material:** Aluminium

**Lens shape:** flush

**Illumination colour:** Red

**Lens colour:** Nature

**Lens illumination:** illuminative

**Lens optics:** opaque

**Shape of illumination:** Ring

#### ELECTRICAL CHARACTERISTICS

**Electrical lifetime:** 50 000 cycles of operation

**Switching voltage and switching  
current:**

according to IEC 60947-5-1 (Silver contacts)

Service categorie AC-15

Voltage

24 VAC

35 VAC

110 VAC

220 VAC

Current

1 A

1 A (M12 version)

1 A

0.5 A

Switch rating DC service categorie DC-13 (Silver contacts)

Voltage

24 VDC

35 VDC

110 VDC

220 VDC

Current

0.7 A

0.5 A (M12 version)

0.2 A

0.1 A

according to UL 508 (Silver contacts)

$\cos\phi$  0,75 ... 0,8

Voltage

120 VAC

240 VAC

24 VAC

Current

5 A

3 A

1 A

|                                                 |                                                            |
|-------------------------------------------------|------------------------------------------------------------|
| <b>Thermal current I<sub>th</sub>:</b>          | 5 A                                                        |
| <b>Rated insulation voltage U<sub>i</sub>:</b>  | 250 V                                                      |
| <b>Operating voltage:</b>                       | 12 V AC/DC                                                 |
| <b>Pollution degree:</b>                        | 2, according to EN IEC 60947-1                             |
| <b>Rated Operational Voltage U<sub>e</sub>:</b> | 250 VAC                                                    |
| <b>Contacts:</b>                                | 1 C                                                        |
| <b>Electric strength:</b>                       | 1500 VAC, 50 Hz 1 minute between life terminals and ground |

## MECHANICAL CHARACTERISTIC

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>Contact material:</b>    | Silver                           |
| <b>Switching system:</b>    | Snap-action switching element    |
| <b>Operating Travel:</b>    | ca. 3 mm                         |
| <b>Mechanical lifetime:</b> | 500 000 cycles of operation      |
| <b>Terminal:</b>            | Soldering terminal, 2.8 x 0.5 mm |
| <b>Tightening torque:</b>   | 0.5 ... 0.6 Nm                   |
| <b>Switching action:</b>    | Maintained                       |
| <b>Weight:</b>              | 0.018 kg                         |
| <b>Operating force:</b>     | 4 N ... 7 N                      |

## AMBIENT CONDITION

|                               |                                                                |
|-------------------------------|----------------------------------------------------------------|
| <b>Vibration resistance:</b>  | 10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6 |
| <b>Operating temperature:</b> |                                                                |

– 30 °C ... + 70 °C

**Climate resistance:**

Damp heat, 21 days according to IEC 60512-11

**Shock resistance:**

Max. 500 m / s<sup>2</sup> as per IEC 60068-2-27

**Storage temperature:**

– 40 °C ... + 80 °C

**CERTIFICATE**

**Conformities:**

CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

**Approbations:**

CB, CCC, C UL, UL

**OTHER**

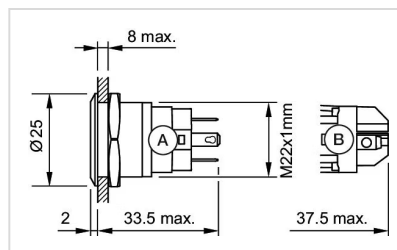
**Short Description:**

Illuminated pushbutton Ø 22 mm silver contact, Maintained, 12 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Aluminium, Red, Nature

**Kind of illumination:**

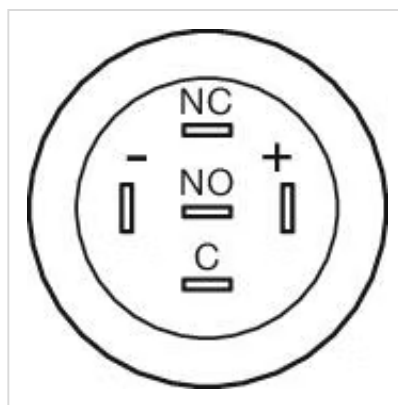
Single-LED

**Dimension drawings:**

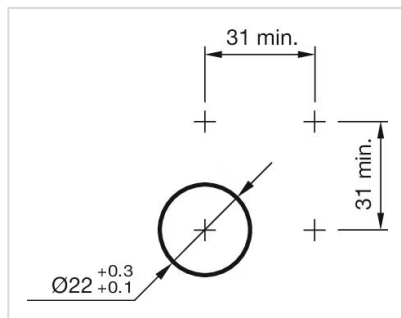


A = Solder terminal  
B = Screw terminal

**Component layouts:**



**Mounting cut-outs:**



**Wiring diagrams:**

