

Illuminated pushbutton Ø 22 mm stainless steel 304, with  
symbol

82-6151.2A14.B001



<https://eao.com/p/82-6151.2A14.B001>

Your product:

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Illuminated pushbutton Ø 22 mm  
stainless steel 304, with symbol

#### FRONT

**Front bezel material:** Stainless steel

#### MOUNTING

**Mounting cut-out:** Ø 22 mm

#### OPERATING-/INDICATION PART

**Lens colour:** Silver

**Illumination colour:** Red

**Lens illumination:** illuminative

**Shape of illumination:** Symbol

**Lens material:** Plastic metalised

**Lens shape:** flush

**Lens optics:** opaque

#### ELECTRICAL CHARACTERISTICS

**Contacts:** 1 C

**Rated Operational Voltage Ue:** 250 VAC

**Electric strength:** 1500 VAC, 50 Hz 1 minute between life terminals and ground

**Operating voltage:** 24 V DC

**Thermal current Ith:** 5 A

**Pollution degree:** 2, according to EN IEC 60947-1

**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                                                    |  | Current         |
| 24 VAC                                                     |  | 1 A             |
| 35 VAC                                                     |  | 1 A (M12 versio |
| 110 VAC                                                    |  | 1 A             |
| 220 VAC                                                    |  | 0.5 A           |
| Switch rating DC service categorie DC-13 (Silver contacts) |  |                 |
| Voltage                                                    |  | Current         |
| 24 VDC                                                     |  | 0.7 A           |
| 35 VDC                                                     |  | 0.5 A (M12 vers |
| 110 VDC                                                    |  | 0.2 A           |
| 220 VDC                                                    |  | 0.1 A           |

|                                       |         |
|---------------------------------------|---------|
| according to UL 508 (Silver contacts) |         |
| cosφ 0,75 ... 0,8                     |         |
| Voltage                               | Current |
| 120 VAC                               | 5 A     |
| 240 VAC                               | 3 A     |
| 24 VAC                                | 1 A     |

**Rated insulation voltage Ui:** 250 V

**MECHANICAL CHARACTERISTIC**

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>Switching system:</b>    | Snap-action switching element    |
| <b>Operating force:</b>     | 4 N ... 7 N                      |
| <b>Mechanical lifetime:</b> | 500 000 cycles of operation      |
| <b>Operating Travel:</b>    | ca. 3 mm                         |
| <b>Switching action:</b>    | Maintained                       |
| <b>Tightening torque:</b>   | 0.5 ... 0.6 Nm                   |
| <b>Terminal:</b>            | Soldering terminal, 2.8 x 0.5 mm |
| <b>Contact material:</b>    | Silver                           |
| <b>Weight:</b>              | 0.025 kg                         |

**AMBIENT CONDITION**

|                               |                                                                |
|-------------------------------|----------------------------------------------------------------|
| <b>Operating temperature:</b> | – 30 °C ... + 70 °C                                            |
| <b>Storage temperature:</b>   | – 40 °C ... + 80 °C                                            |
| <b>Vibration resistance:</b>  | 10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6 |
| <b>Climate resistance:</b>    | Damp heat, 21 days according to IEC 60512-11                   |
| <b>Shock resistance:</b>      | Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27              |

**CERTIFICATE**

**Approbations:** CB, CCC, C UL, UL

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

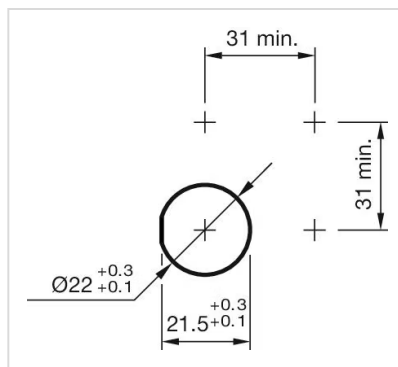
## OTHER

**Short Description:** Illuminated pushbutton Ø 22 mm stainless steel 304, with symbol, Maintained, 24 V DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Stainless steel, Red, ON/OFF, Silver

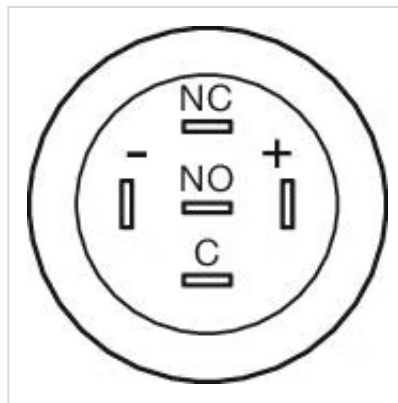
**Kind of illumination:** Single-LED

**Symbol:** ON/OFF

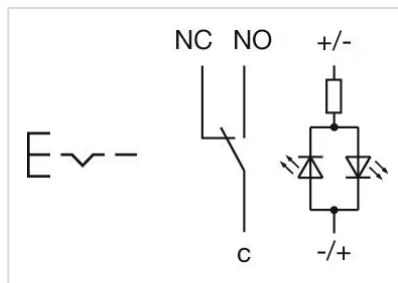
**Mounting cut-outs:**



**Component layouts:**



**Wiring diagrams:**



**Dimension drawings:**

