

## Illuminated pushbutton Ø 16 mm silver contact

82-4551.2113



<https://eao.com/p/82-4551.2113>

Your product:

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82-4551.2113  
Illuminated pushbutton Ø  
16 mm silver contact

#### FRONT

**Front bezel material:** Aluminium

#### MOUNTING

**Mounting cut-out:** Ø 16 mm

#### OPERATING-/INDICATION PART

**Shape of illumination:** Ring

**Illumination colour:** Red

**Lens shape:** flush

**Lens colour:** Nature

**Lens illumination:** illuminative

**Lens material:** Aluminium

**Lens optics:** opaque

#### ELECTRICAL CHARACTERISTICS

**Rated Operational Voltage Ue:** 250 VAC

**Operating voltage:** 12 V AC/DC

**Rated insulation voltage Ui:** 250 V

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

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

**Thermal current Ith:** 5 A

**Contacts:** 1 C

|                                                            |                                                                         |  |  |
|------------------------------------------------------------|-------------------------------------------------------------------------|--|--|
| <b>Electric strength:</b>                                  | 1500 VAC, 50 Hz 1 minute between life terminals and ground              |  |  |
| <b>Switching voltage and switching current:</b>            | according to IEC 60947-5-1 (Silver contacts)<br>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) |         |  |
| $\cos\phi$ 0,75 ... 0,8               |         |  |
| Voltage                               | Current |  |
| 120 VAC                               | 5 A     |  |
| 240 VAC                               | 3 A     |  |
| 24 VAC                                | 1 A     |  |

## MECHANICAL CHARACTERISTIC

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

## AMBIENT CONDITION

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

## CERTIFICATE

**Conformities:**

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

**Approbations:**

CB, CCC, C UL, UL

## OTHER

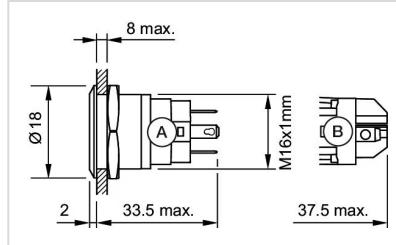
**Kind of illumination:**

Single-LED

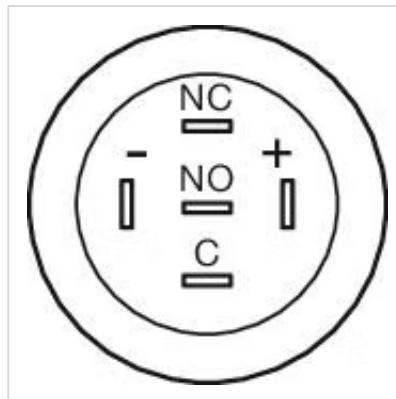
**Short Description:**

Illuminated pushbutton Ø 16 mm silver contact, Maintained, 12 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Aluminium, Red, Nature

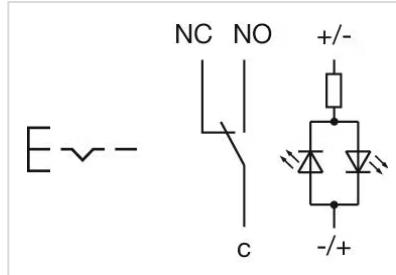
**Dimension drawings:**



**Component layouts:**



**Wiring diagrams:**



**Mounting cut-outs:**

