

## Illuminated pushbutton Ø 16 mm silver contact

82-4552.1133



<https://eao.com/p/82-4552.1133>

Your product:

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82-4552.1133

Illuminated pushbutton Ø  
16 mm silver contact

#### FRONT

**Front bezel material:** Aluminium

**Front bezel shape:** flush

#### MOUNTING

**Mounting cut-out:** Ø 16 mm

#### OPERATING-/INDICATION PART

**Lens shape:** flush

**Shape of illumination:** Ring

**Lens illumination:** illuminative

**Illumination colour:** Green

**Lens material:** Aluminium

**Lens colour:** Nature

**Lens optics:** opaque

#### ELECTRICAL CHARACTERISTICS

**Rated insulation voltage  $U_i$ :** 250 V

**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 version)   |
| 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 version) |
| 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     |

|                                      |                                                            |
|--------------------------------------|------------------------------------------------------------|
| <b>Electric strength:</b>            | 1500 VAC, 50 Hz 1 minute between life terminals and ground |
| <b>Contacts:</b>                     | 1 C                                                        |
| <b>Pollution degree:</b>             | 2, according to EN IEC 60947-1                             |
| <b>Operating voltage:</b>            | 12 V AC/DC                                                 |
| <b>Thermal current Ith:</b>          | 5 A                                                        |
| <b>Electrical lifetime:</b>          | 50 000 cycles of operation                                 |
| <b>Rated Operational Voltage Ue:</b> | 250 VAC                                                    |

## MECHANICAL CHARACTERISTIC

|                             |                                       |
|-----------------------------|---------------------------------------|
| <b>Operating Travel:</b>    | ca. 3 mm                              |
| <b>Mechanical lifetime:</b> | 1 Mio. cycles of operation            |
| <b>Weight:</b>              | 0.018 kg                              |
| <b>Contact material:</b>    | Silver                                |
| <b>Switching system:</b>    | Snap-action switching element         |
| <b>Tightening torque:</b>   | 0.5 ... 0.6 Nm, Screw terminal 0.1 Nm |
| <b>Switching action:</b>    | Momentary                             |
| <b>Terminal:</b>            | Screw terminal                        |
| <b>Operating force:</b>     | 4 N ... 7 N                           |

## AMBIENT CONDITION

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| <b>Shock resistance:</b>   | Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27 |
| <b>Climate resistance:</b> |                                                   |

**Storage temperature:**  $-40\text{ }^{\circ}\text{C} \dots +80\text{ }^{\circ}\text{C}$

**Operating temperature:**  $-30\text{ }^{\circ}\text{C} \dots +70\text{ }^{\circ}\text{C}$

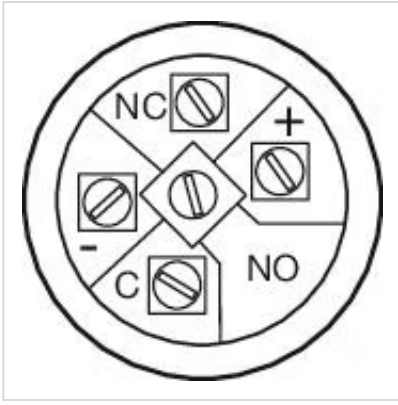
**Approbations:** CB, CCC, C UL, UL

OTHER

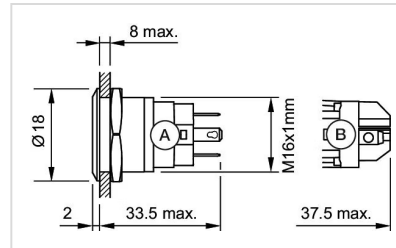
**Short Description:** Illuminated pushbutton Ø 16 mm silver contact, Momentary, 12 V AC/DC, 1 C, Screw terminal, Aluminium, Green, Nature

The diagram shows a photoconductive cell (E) connected to a relay (C). The relay has three terminals: NC (Normally Closed), NO (Normally Open), and C (Common). The photoconductive cell (E) is connected to the NC terminal. The NO terminal is connected to a photoresistor (D) which is also connected to a voltage source (+/-). The C terminal is connected to ground (-/+).

**Component layouts:**



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal