

## Illuminated pushbutton Ø 16 mm silver contact

82-4552.2133



<https://eao.com/p/82-4552.2133>

Your product:

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82-4552.2133

Illuminated pushbutton Ø  
16 mm silver contact

#### FRONT

|                       |           |
|-----------------------|-----------|
| Front bezel shape:    | flush     |
| Front bezel material: | Aluminium |

#### MOUNTING

|                   |         |
|-------------------|---------|
| Mounting cut-out: | Ø 16 mm |
|-------------------|---------|

#### OPERATING-/INDICATION PART

|                        |              |
|------------------------|--------------|
| Lens colour:           | Nature       |
| Lens material:         | Aluminium    |
| Lens shape:            | flush        |
| Lens optics:           | opaque       |
| Lens illumination:     | illuminative |
| Illumination colour:   | Green        |
| Shape of illumination: | Ring         |

#### ELECTRICAL CHARACTERISTICS

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

## MECHANICAL CHARATERISTIC

|                             |                                       |
|-----------------------------|---------------------------------------|
| <b>Contact material:</b>    | Silver                                |
| <b>Switching system:</b>    | Snap-action switching element         |
| <b>Mechanical lifetime:</b> | 500 000 cycles of operation           |
| <b>Operating Travel:</b>    | ca. 3 mm                              |
| <b>Weight:</b>              | 0.018 kg                              |
| <b>Tightening torque:</b>   | 0.5 ... 0.6 Nm, Screw terminal 0.1 Nm |
| <b>Operating force:</b>     | 4 N ... 7 N                           |
| <b>Terminal:</b>            | Screw terminal                        |
| <b>Switching action:</b>    | Maintained                            |

## AMBIENT CONDITION

|                               |                                              |
|-------------------------------|----------------------------------------------|
| <b>Climate resistance:</b>    | Damp heat, 21 days according to IEC 60512-11 |
| <b>Operating temperature:</b> |                                              |

– 30 °C ... + 70 °C

**Shock resistance:**

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

**Storage temperature:**

– 40 °C ... + 80 °C

**Vibration resistance:**

10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6

**CERTIFICATE**

**Conformities:**

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

**Approbations:**

CB, CCC, C UL, UL

**OTHER**

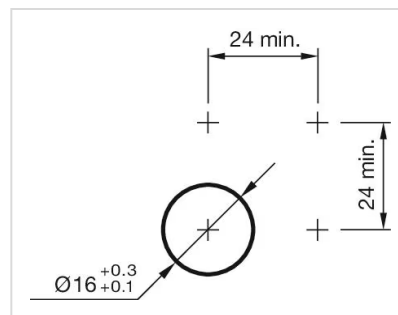
**Short Description:**

Illuminated pushbutton Ø 16 mm silver contact, Maintained, 12 V AC/DC, 1 C,  
Screw terminal, Aluminium, Green, Nature

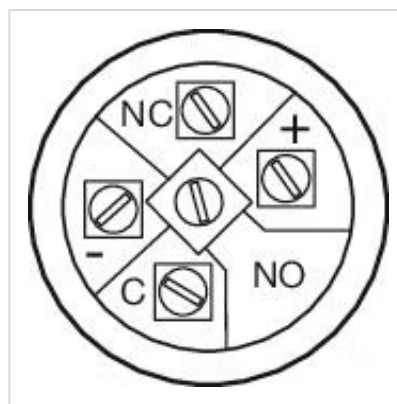
**Kind of illumination:**

Single-LED

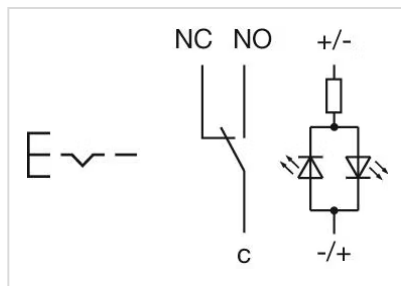
**Mounting cut-outs:**



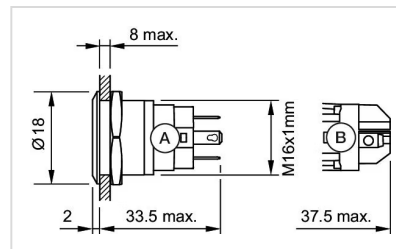
**Component layouts:**



**Wiring diagrams:**



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal