

## Illuminated push button Ø 16 mm silver contact

82-4551.2134



<https://www.eao.com/component/82-4551.2134/en...>

Your product:

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82-4551.2134

Illuminated push button Ø  
16 mm silver contact

#### FRONT

**Front dimension:** Ø 18 mm

**Front form:** Round

**Front bezel material:** Aluminium

**Front bezel shape:** Flush

#### MOUNTING

**Mounting cut-out:** Ø 16 mm

**Mounting type:** Panel mounting

#### OPERATING-/INDICATION PART

**Lens colour:** Nature

**Lens material:** Aluminium

**Lens illumination:** Illuminated

**Lens shape:** Flush

**Lens optics:** opaque

**Illumination colour:** Green

**Shape of illumination:** Ring

#### ELECTRICAL CHARACTERISTICS

**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>Contacts:</b>                           | 1 C                                                        |
| <b>Operating voltage:</b>                  | 24 V AC/DC                                                 |
| <b>Operation current:</b>                  | 7 mA                                                       |
| <b>Rated Operational Voltage Ue:</b>       | 250 VAC                                                    |
| <b>Rated insulation voltage Ui:</b>        | 250 V                                                      |
| <b>Short circuit protective device:</b>    | fuse / 500 V / 5 A / gG                                    |
| <b>Rated short-circuit current caused:</b> | AC: 1 kA<br>DC: 1 kA                                       |
| <b>Switching rating:</b>                   | 240 V                                                      |
| <b>Electrical lifetime:</b>                | 50 000 cycles of operation                                 |
| <b>Electric strength:</b>                  | 1500 VAC, 50 Hz 1 minute between life terminals and ground |
| <b>Pollution degree:</b>                   | 2, according to EN IEC 60947-1                             |
| <b>Thermal current Ith:</b>                | 5 A                                                        |

## MECHANICAL CHARACTERISTICS

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

**Tightening torque:** 0.5 ... 0.6 Nm

**Weight:** 0.018 kg

## AMBIENT CONDITION

**IP front protection:** IP65, IP67

**Operating temperature:** - 30 °C ... + 70 °C

**Storage temperature:** - 40 °C ... + 80 °C

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

**Vibration resistance:** 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 |
|----------------------------|----------------------------------------------|

## CERTIFICATE

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

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

**REACH:** REACH compliant

**RoHS:** RoHS compliant

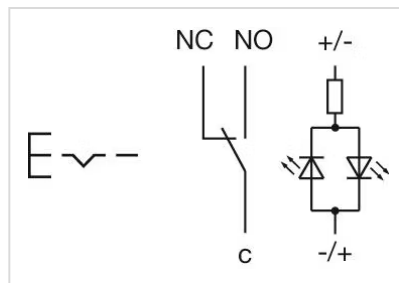
**OTHER**

**Short Description:** Illuminated push button Ø 16 mm silver contact, Maintained, 240 V, 24 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Aluminium, Green, Nature

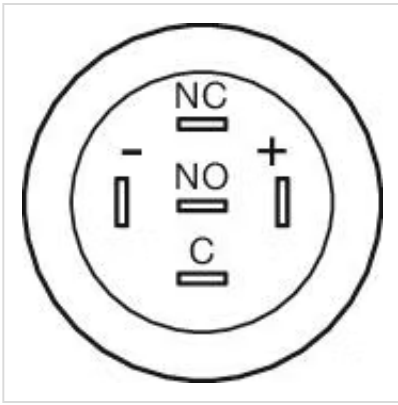
Kind of illumination: Single-LED

**Housing size:** 16 mm

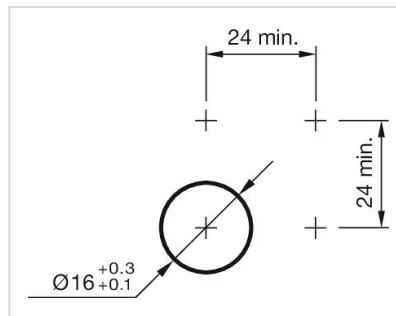
**Wiring diagrams:**



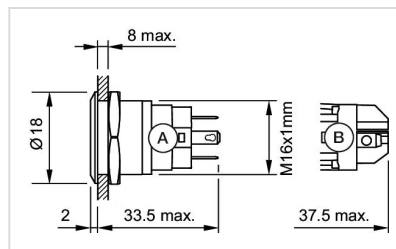
**Component layouts:**



**Mounting cut-outs:**



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal