

## Pushbutton Ø 16 mm silver contact

82-4161.1000.B001



<https://eao.com/p/82-4161.1000.B001>

Your product:

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## 82-4161.1000.B001

### Pushbutton Ø 16 mm silver contact

#### FRONT

|                       |                 |
|-----------------------|-----------------|
| Front bezel shape:    | flush           |
| Front bezel material: | Stainless steel |

#### MOUNTING

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

#### OPERATING-/INDICATION PART

|                    |                  |
|--------------------|------------------|
| Lens illumination: | non illuminative |
| Lens shape:        | raised           |
| Lens colour:       | Silver           |
| Lens material:     | Stainless steel  |
| Lens optics:       | opaque           |

#### ELECTRICAL CHARACTERISTICS

|                                            |                                                            |
|--------------------------------------------|------------------------------------------------------------|
| Pollution degree:                          | 2, according to EN IEC 60947-1                             |
| Thermal current I <sub>th</sub> :          | 5 A                                                        |
| Rated Operational Voltage U <sub>e</sub> : | 250 VAC                                                    |
| Electrical lifetime:                       | 50 000 cycles of operation                                 |
| Rated insulation voltage U <sub>i</sub> :  | 250 V                                                      |
| Electric strength:                         | 1500 VAC, 50 Hz 1 minute between life terminals and ground |
| Contacts:                                  | 1 C                                                        |
| 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     |

## MECHANICAL CHARACTERISTIC

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>Weight:</b>              | 0.02 kg                          |
| <b>Switching system:</b>    | Snap-action switching element    |
| <b>Switching action:</b>    | Momentary                        |
| <b>Tightening torque:</b>   | 0.5 ... 0.6 Nm                   |
| <b>Operating force:</b>     | 4 N ... 7 N                      |
| <b>Terminal:</b>            | Soldering terminal, 2.8 x 0.5 mm |
| <b>Operating Travel:</b>    | ca. 3 mm                         |
| <b>Contact material:</b>    | Silver                           |
| <b>Mechanical lifetime:</b> | 1 Mio. cycles of operation       |

## AMBIENT CONDITION

|                               |                                                                |
|-------------------------------|----------------------------------------------------------------|
| <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>Operating temperature:</b> | – 30 °C ... + 70 °C                                            |
| <b>Shock resistance:</b>      | Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27              |

## CERTIFICATE

|                      |                                                 |
|----------------------|-------------------------------------------------|
| <b>Conformities:</b> | CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |
|----------------------|-------------------------------------------------|

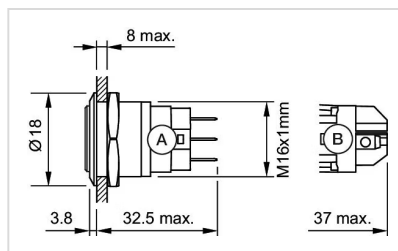
**Approbations:** CB, CCC, C UL, UL

**OTHER**

**Short Description:** Pushbutton Ø 16 mm silver contact, Momentary, 1 C, Soldering terminal, 2.8 x 0.5 mm, Stainless steel, ON/OFF, Silver

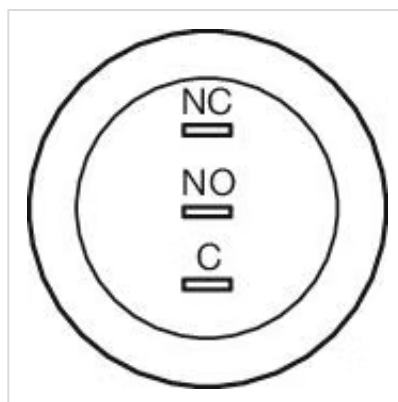
**Symbol:** ON/OFF

**Dimension drawings:**

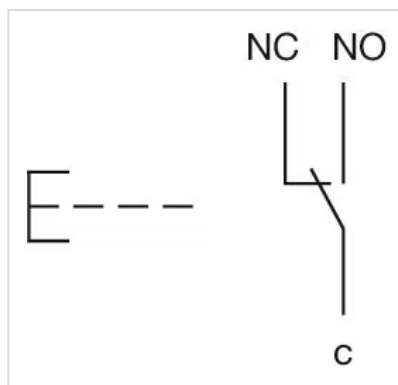


A = Solder terminal  
B = Screw terminal

**Component layouts:**



**Wiring diagrams:**



**Mounting cut-outs:**

