

## Pushbutton Ø 16 mm silver contact

82-4162.2000.B002



<https://eao.com/p/82-4162.2000.B002>

Your product:

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82-4162.2000.B002  
Pushbutton Ø 16 mm silver contact

#### FRONT

|                              |                 |
|------------------------------|-----------------|
| <b>Front bezel material:</b> | Stainless steel |
| <b>Front bezel shape:</b>    | flush           |

#### MOUNTING

|                          |         |
|--------------------------|---------|
| <b>Mounting cut-out:</b> | Ø 16 mm |
|--------------------------|---------|

#### OPERATING-/INDICATION PART

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

#### ELECTRICAL CHARACTERISTICS

|   |         |
|---|---------|
| <b>Thermal current Ith:</b>                     | 5 A     |
| <b>Rated Operational Voltage Ue:</b>            | 250 VAC |
| <b>Contacts:</b>                                | 1 C     |
| <b>Switching voltage and switching current:</b> |         |

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)

$\cos\phi$  0,75 ... 0,8

|         |         |
|---------|---------|
| Voltage | Current |
| 120 VAC | 5 A     |
| 240 VAC | 3 A     |
| 24 VAC  | 1 A     |

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

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

**Electric strength:** 1500 VAC, 50 Hz 1 minute between life terminals and ground

**Rated insulation voltage Ui:** 250 V

## MECHANICAL CHARACTERISTIC

**Tightening torque:** 0.5 ... 0.6 Nm, Screw terminal 0.1 Nm

**Weight:** 0.02 kg

**Contact material:** Silver

**Switching action:** Maintained

**Operating Travel:** ca. 3 mm

**Mechanical lifetime:** 500 000 cycles of operation

**Terminal:** Screw terminal

**Operating force:** 4 N ... 7 N

**Switching system:** Snap-action switching element

## AMBIENT CONDITION

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

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

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

**Climate resistance:** Damp heat, 21 days according to IEC 60512-11

**Shock resistance:**

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

## CERTIFICATE

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

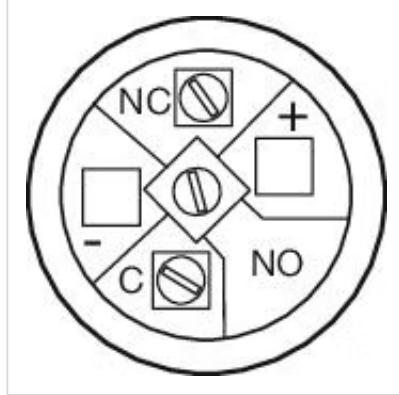
**Conformities:** CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

## OTHER

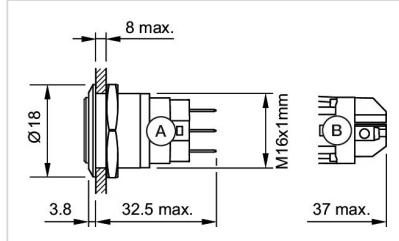
**Symbol:** Standby

**Short Description:** Pushbutton Ø 16 mm silver contact, Maintained, 1 C, Screw terminal, Stainless steel, Standby, Silver

**Component layouts:**

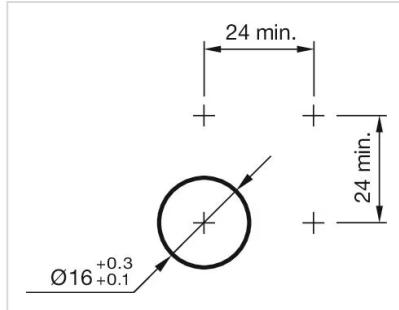


**Dimension drawings:**



A = Solder terminal  
B = Screw terminal

**Mounting cut-outs:**



**Wiring diagrams:**

