

## Pushbutton Ø 16 mm silver contact

82-4551.2000



<https://eao.com/p/82-4551.2000>

Your product:

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82-4551.2000  
Pushbutton Ø 16 mm silver contact

#### FRONT

**Front bezel material:** Aluminium

#### MOUNTING

**Mounting cut-out:** Ø 16 mm

#### OPERATING-/INDICATION PART

**Lens shape:** flush

**Lens colour:** Nature

**Lens optics:** opaque

**Lens illumination:** non illuminative

**Lens material:** Aluminium

#### ELECTRICAL CHARACTERISTICS

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

**Rated insulation voltage Ui:** 250 V

**Contacts:** 1 C

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

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

**Rated Operational Voltage Ue:** 250 VAC

**Thermal current Ith:** 5 A

**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)

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

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

## MECHANICAL CHARACTERISTIC

<b>Switching action:</b>	Maintained
<b>Terminal:</b>	Soldering terminal, 2.8 x 0.5 mm
<b>Contact material:</b>	Silver
<b>Mechanical lifetime:</b>	500 000 cycles of operation
<b>Weight:</b>	0.018 kg
<b>Operating Travel:</b>	ca. 3 mm
<b>Switching system:</b>	Snap-action switching element
<b>Tightening torque:</b>	0.5 ... 0.6 Nm
<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>	Damp heat, 21 days according to IEC 60512-11
<b>Operating temperature:</b>	- 30 °C ... + 70 °C
<b>Vibration resistance:</b>	10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6
<b>Storage temperature:</b>	- 40 °C ... + 80 °C

## CERTIFICATE

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

**Approbations:**

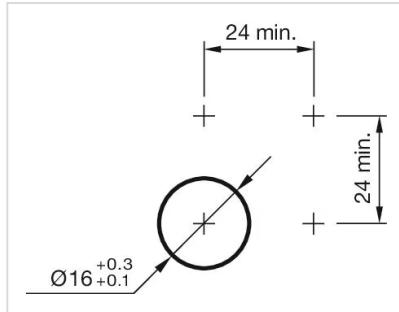
CB, CCC, C UL, UL

**OTHER**

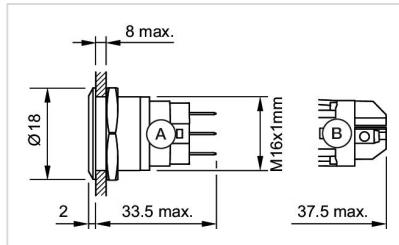
**Short Description:**

Pushbutton Ø 16 mm silver contact, Maintained, 1 C, Soldering terminal, 2.8 x 0.5 mm, Aluminium, Nature

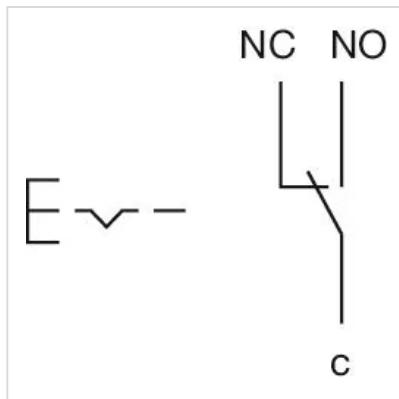
**Mounting cut-outs:**



**Dimension drawings:**



**Wiring diagrams:**



**Component layouts:**

