

# Pushbutton Ø 16 mm silver contact

82-4172.2000



<https://eao.com/p/82-4172.2000>

Your product:



## 82-4172.2000 Pushbutton Ø 16 mm silver contact

### FRONT

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

### MOUNTING

<b>Mounting cut-out:</b>	Ø 16 mm
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### OPERATING-/INDICATION PART

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

### ELECTRICAL CHARACTERISTICS

<b>Electrical lifetime:</b>	50 000 cycles of operation
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<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 versio
	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 vers
	110 VDC	0.2 A
	220 VDC	0.1 A

according to UL 508 (Silver contacts)

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

Voltage

120 VAC

240 VAC

24 VAC

Current

5 A

3 A

1 A

<b>Rated insulation voltage <math>U_i</math>:</b>	250 V
<b>Pollution degree:</b>	2, according to EN IEC 60947-1
<b>Rated Operational Voltage <math>U_e</math>:</b>	250 VAC
<b>Thermal current <math>I_{th}</math>:</b>	5 A
<b>Contacts:</b>	1 C
<b>Electric strength:</b>	1500 VAC, 50 Hz 1 minute between life terminals and ground

### MECHANICAL CHARACTERISTIC

<b>Operating force:</b>	4 N ... 7 N
<b>Contact material:</b>	Silver
<b>Mechanical lifetime:</b>	500 000 cycles of operation
<b>Terminal:</b>	Screw terminal
<b>Tightening torque:</b>	0.5 ... 0.6 Nm, Screw terminal 0.1 Nm
<b>Weight:</b>	0.019 kg
<b>Switching action:</b>	Maintained
<b>Switching system:</b>	Snap-action switching element
<b>Operating Travel:</b>	ca. 3 mm

### AMBIENT CONDITION

<b>Storage temperature:</b>	- 40 °C ... + 80 °C
<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>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

### CERTIFICATE

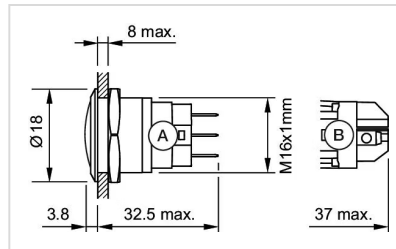
<b>Conformities:</b>	CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
<b>Approbations:</b>	CB, CCC, C UL, UL

OTHER

**Short Description:**

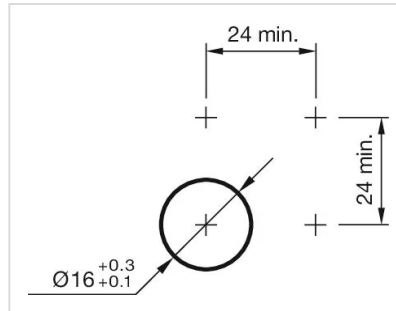
Pushbutton  $\varnothing$  16 mm silver contact, Maintained, 1 C, Screw terminal, Stainless steel, Silver

**Dimension drawings:**

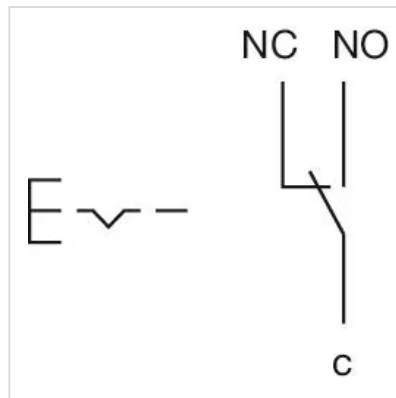


A = Solder terminal  
B = Screw terminal

**Mounting cut-outs:**



**Wiring diagrams:**



**Component layouts:**

