

## Pushbutton Ø 16 mm silver contact

82-4171.2000



<https://eao.com/p/82-4171.2000>

Your product:

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82-4171.2000

Pushbutton Ø 16 mm silver contact

#### FRONT

Front bezel shape:	flush
Front bezel material:	Stainless steel

#### MOUNTING

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

Lens material:	Stainless steel
Lens shape:	convex
Lens illumination:	non illuminative
Lens colour:	Silver
Lens optics:	opaque

#### ELECTRICAL CHARACTERISTICS

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

## MECHANICAL CHARATERISTIC

<b>Contact material:</b>	Silver
<b>Weight:</b>	0.019 kg
<b>Operating Travel:</b>	ca. 3 mm
<b>Terminal:</b>	Soldering terminal, 2.8 x 0.5 mm
<b>Mechanical lifetime:</b>	500 000 cycles of operation
<b>Tightening torque:</b>	0.5 ... 0.6 Nm
<b>Switching system:</b>	Snap-action switching element
<b>Operating force:</b>	4 N ... 7 N
<b>Switching action:</b>	Maintained

## AMBIENT CONDITION

<b>Climate resistance:</b>	Damp heat, 21 days according to IEC 60512-11
<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>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

### Conformities:

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

### Approbations:

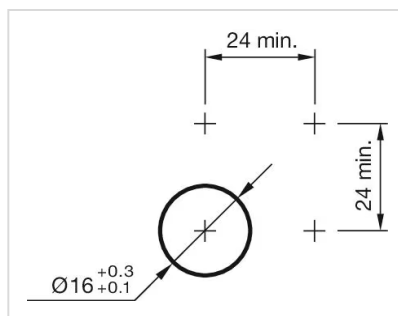
CB, CCC, C UL, UL

## OTHER

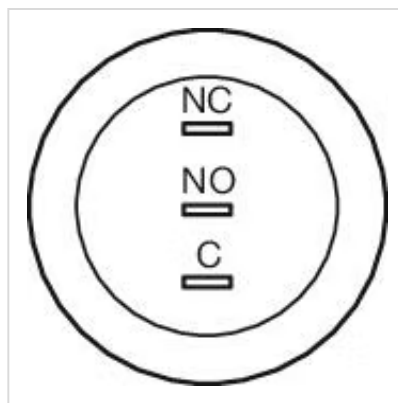
### Short Description:

Pushbutton Ø 16 mm silver contact, Maintained, 1 C, Soldering terminal, 2.8 x 0.5 mm, Stainless steel, Silver

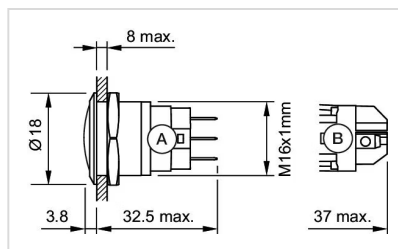
### Mounting cut-outs:



### Component layouts:



### Dimension drawings:



A = Solder terminal  
B = Screw terminal

### Wiring diagrams:

