

## Illuminated pushbutton Ø 16 mm silver contact

82-4551.2113



<https://eao.com/p/82-4551.2113>

Your product:

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82-4551.2113

Illuminated pushbutton Ø  
16 mm silver contact

#### FRONT

**Front bezel material:** Aluminium

#### MOUNTING

**Mounting cut-out:** Ø 16 mm

#### OPERATING-/INDICATION PART

**Shape of illumination:** Ring

**Illumination colour:** Red

**Lens shape:** flush

**Lens colour:** Nature

**Lens illumination:** illuminative

**Lens material:** Aluminium

**Lens optics:** opaque

#### ELECTRICAL CHARACTERISTICS

**Rated Operational Voltage U<sub>e</sub>:** 250 VAC

**Operating voltage:** 12 V AC/DC

**Rated insulation voltage U<sub>i</sub>:** 250 V

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

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

**Thermal current I<sub>th</sub>:** 5 A

**Contacts:** 1 C

<b>Electric strength:</b>	1500 VAC, 50 Hz 1 minute between life terminals and ground		
<b>Switching voltage and switching current:</b>	according to IEC 60947-5-1 (Silver contacts) Service categorie AC-15 Voltage 24 VAC 35 VAC 110 VAC 220 VAC Switch rating DC service categorie DC-13 (Silver contacts) Voltage 24 VDC 35 VDC 110 VDC 220 VDC		
		Current	1 A
			1 A (M12 versio
			1 A
			0.5 A
		Current	0.7 A
			0.5 A (M12 vers
			0.2 A
			0.1 A
	according to UL 508 (Silver contacts) cosφ 0,75 ... 0,8 Voltage 120 VAC 240 VAC 24 VAC		
		Current	5 A
			3 A
			1 A

## MECHANICAL CHARATERISTIC

<b>Switching action:</b>	Maintained
<b>Mechanical lifetime:</b>	500 000 cycles of operation
<b>Operating force:</b>	4 N ... 7 N
<b>Contact material:</b>	Silver
<b>Terminal:</b>	Soldering terminal, 2.8 x 0.5 mm
<b>Switching system:</b>	Snap-action switching element
<b>Weight:</b>	0.018 kg
<b>Tightening torque:</b>	0.5 ... 0.6 Nm
<b>Operating Travel:</b>	ca. 3 mm

## AMBIENT CONDITION

<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>Operating temperature:</b>	– 30 °C ... + 70 °C
<b>Climate resistance:</b>	Damp heat, 21 days according to IEC 60512-11
<b>Storage temperature:</b>	– 40 °C ... + 80 °C

## CERTIFICATE

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

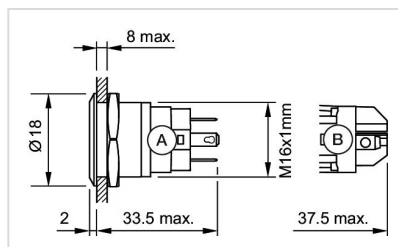
**Approbations:** CB, CCC, C UL, UL

## OTHER

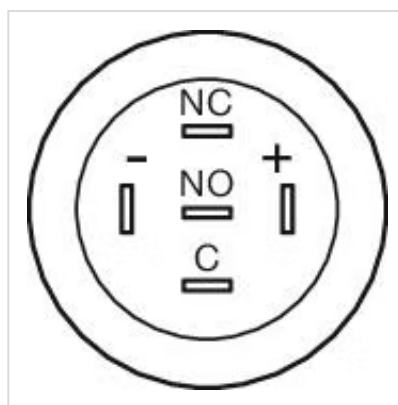
**Kind of illumination:** Single-LED

**Short Description:** Illuminated pushbutton Ø 16 mm silver contact, Maintained, 12 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Aluminium, Red, Nature

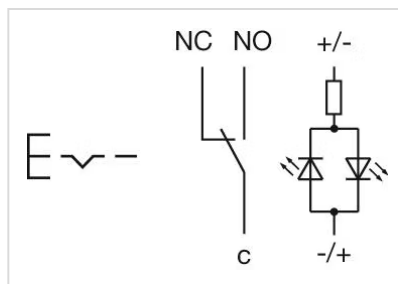
**Dimension drawings:**



**Component layouts:**



**Wiring diagrams:**



**Mounting cut-outs:**

