

## Illuminated pushbutton Ø 16 mm silver contact

82-4551.2114



<https://eao.com/p/82-4551.2114>

Your product:

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82-4551.2114  
Illuminated pushbutton Ø  
16 mm silver contact

#### FRONT

**Front bezel material:** Aluminium  
**Front bezel shape:** flush

#### MOUNTING

**Mounting cut-out:** Ø 16 mm

#### OPERATING-/INDICATION PART

**Lens colour:** Nature  
**Illumination colour:** Red  
**Lens material:** Aluminium  
**Lens shape:** flush  
**Lens illumination:** illuminative  
**Shape of illumination:** Ring  
**Lens optics:** opaque

#### ELECTRICAL CHARACTERISTICS

**Operating voltage:** 24 V AC/DC  
**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

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

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

**Thermal current Ith:** 5 A

**Rated Operational Voltage Ue:** 250 VAC

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

**Rated insulation voltage Ui:** 250 V

**Contacts:** 1 C

## MECHANICAL CHARACTERISTIC

**Tightening torque:** 0.5 ... 0.6 Nm

**Switching action:** Maintained

**Operating Travel:** ca. 3 mm

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

**Contact material:** Silver

**Weight:** 0.018 kg

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

**Terminal:** Soldering terminal, 2.8 x 0.5 mm

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

## AMBIENT CONDITION

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

**Operating temperature:**

– 30 °C ... + 70 °C

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

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

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

## CERTIFICATE

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

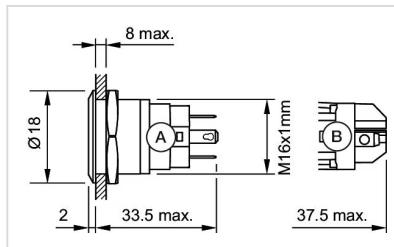
**Approbations:** CB, CCC, C UL, UL

## OTHER

**Kind of illumination:** Single-LED

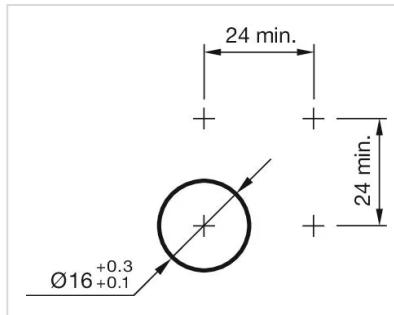
**Short Description:** Illuminated pushbutton Ø 16 mm silver contact, Maintained, 24 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Aluminium, Red, Nature

**Dimension drawings:**

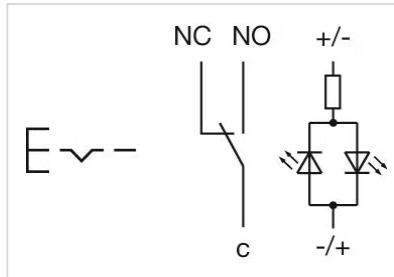


A = Solder terminal  
B = Screw terminal

**Mounting cut-outs:**



**Wiring diagrams:**



**Component layouts:**

