

## Illuminated pushbutton Ø 16 mm silver contact

82-4152.2113



<https://eao.com/p/82-4152.2113>

Your product:

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82-4152.2113  
Illuminated pushbutton Ø  
16 mm silver contact

#### FRONT

<b>Front bezel material:</b>	Stainless steel
<b>Front form:</b>	round
<b>Front dimension:</b>	Ø 18 mm
<b>Front bezel shape:</b>	flush

#### MOUNTING

<b>Mounting type:</b>	Panel mounting
<b>Mounting cut-out:</b>	Ø 16 mm

#### OPERATING-/INDICATION PART

<b>Shape of illumination:</b>	Ring
<b>Illumination colour:</b>	Red
<b>Lens optics:</b>	opaque
<b>Lens material:</b>	Stainless steel
<b>Lens shape:</b>	flush
<b>Lens colour:</b>	Silver
<b>Lens illumination:</b>	illuminative

#### ELECTRICAL CHARACTERISTICS

<b>Operation current:</b>	7 mA
<b>Electrical lifetime:</b>	50 000 cycles of operation
<b>Pollution degree:</b>	2, according to EN IEC 60947-1

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

<b>Electric strength:</b>	1500 VAC, 50 Hz 1 minute between life terminals and ground
<b>Thermal current <math>I_{th}</math>:</b>	5 A
<b>Rated insulation voltage <math>U_i</math>:</b>	250 V
<b>Operating voltage:</b>	12 V AC/DC
<b>Contacts:</b>	1 C
<b>Rated Operational Voltage <math>U_e</math>:</b>	250 VAC

## MECHANICAL CHARATERISTIC

<b>Operating Travel:</b>	ca. 3 mm
<b>Terminal:</b>	Screw terminal
<b>Tightening torque:</b>	0.5 ... 0.6 Nm, Screw terminal 0.1 Nm
<b>Switching action:</b>	Maintained
<b>Mechanical lifetime:</b>	500 000 cycles of operation
<b>Contact material:</b>	Silver
<b>Switching system:</b>	Snap-action switching element
<b>Weight:</b>	0.018 kg
<b>Operating force:</b>	4 N ... 7 N

## AMBIENT CONDITION

<b>IP front protection:</b>	IP65, IP67
<b>Operating temperature:</b>	- 30 °C ... + 70 °C
<b>Climate resistance:</b>	

Damp heat, 21 days according to IEC 60512-11

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

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

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

## CERTIFICATE

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

**REACH:** REACH compliant

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

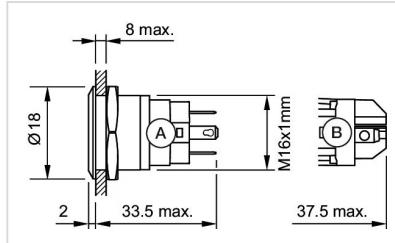
**RoHS:** RoHS compliant

## OTHER

**Short Description:** Illuminated pushbutton Ø 16 mm silver contact, Maintained, 12 V AC/DC, 1 C, Screw terminal, round, Stainless steel, Red, Silver

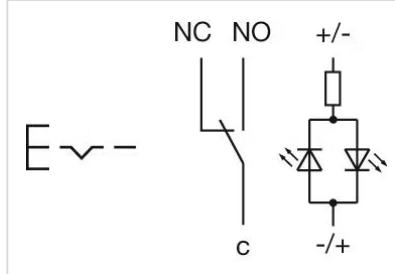
**Kind of illumination:** Single-LED

**Dimension drawings:**

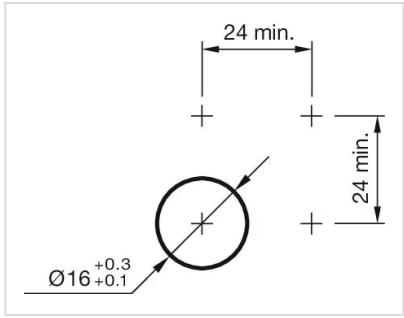


A = Solder terminal  
B = Screw terminal

**Wiring diagrams:**



**Mounting cut-outs:**



**Component layouts:**

