

## Pushbutton Ø 16 mm silver contact

82-4551.1000



<https://eao.com/p/82-4551.1000>

Your product:

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82-4551.1000

Pushbutton Ø 16 mm silver contact

#### FRONT

Front dimension:	Ø 18 mm
Front form:	round
Front bezel shape:	flush
Front bezel material:	Aluminium

#### MOUNTING

Mounting type:	Panel mounting
Mounting cut-out:	Ø 16 mm

#### OPERATING-/INDICATION PART

Lens shape:	flush
Lens colour:	Nature
Lens material:	Aluminium
Lens optics:	opaque
Lens illumination:	non illuminative

#### ELECTRICAL CHARACTERISTICS

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

## MECHANICAL CHARATERISTIC

<b>Weight:</b>	0.018 kg
<b>Contact material:</b>	Silver
<b>Mechanical lifetime:</b>	1 Mio. cycles of operation
<b>Switching system:</b>	Snap-action switching element
<b>Operating force:</b>	4 N ... 7 N
<b>Terminal:</b>	Soldering terminal, 2.8 x 0.5 mm
<b>Switching action:</b>	Momentary
<b>Operating Travel:</b>	ca. 3 mm
<b>Tightening torque:</b>	0.5 ... 0.6 Nm

## AMBIENT CONDITION

<b>IP front protection:</b>	IP65, IP67
<b>Shock resistance:</b>	Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27
<b>Storage temperature:</b>	

– 40 °C ... + 80 °C

**Climate resistance:**

Damp heat, 21 days according to IEC 60512-11

**Operating temperature:**

– 30 °C ... + 70 °C

**Vibration resistance:**

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

**CERTIFICATE**

**Approbations:**

CB, CCC, C UL, UL

**Conformities:**

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

**RoHS:**

RoHS compliant

**REACH:**

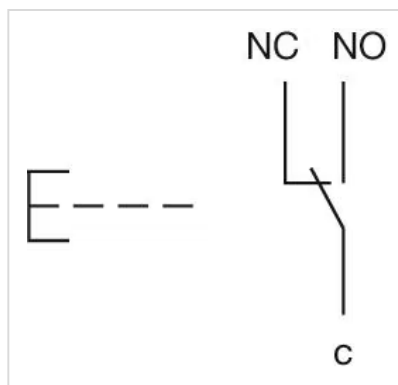
REACH compliant

**OTHER**

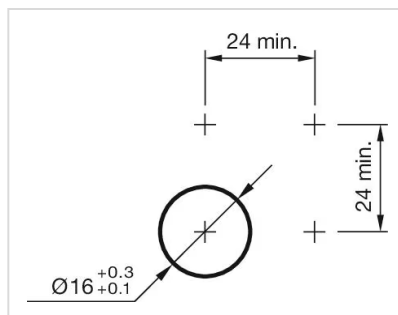
**Short Description:**

Pushbutton Ø 16 mm silver contact, Momentary, 1 C, Soldering terminal, 2.8 x 0.5 mm, round, Aluminium, Nature

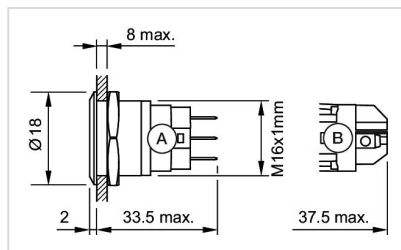
**Wiring diagrams:**



**Mounting cut-outs:**



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal

# **Component layouts:**

