

## Pushbutton Ø 16 mm silver contact

82-4161.1000



<https://eao.com/p/82-4161.1000>

Your product:

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82-4161.1000

Pushbutton Ø 16 mm silver contact

#### FRONT

|                       |                 |
|-----------------------|-----------------|
| Front dimension:      | Ø 18 mm         |
| Front form:           | round           |
| Front bezel material: | Stainless steel |
| Front bezel shape:    | flush           |

#### MOUNTING

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

#### OPERATING-/INDICATION PART

|                    |                  |
|--------------------|------------------|
| Lens colour:       | Silver           |
| Lens material:     | Stainless steel  |
| Lens illumination: | non illuminative |
| Lens shape:        | raised           |
| Lens optics:       | opaque           |

#### ELECTRICAL CHARACTERISTICS

|           |     |
|-----------|-----|
| Contacts: | 1 C |
|-----------|-----|

Switching voltage and switching current:

according to IEC 60947-5-1 (Silver contacts)

Service categorie AC-15

Voltage

24 VAC

35 VAC

110 VAC

220 VAC

Current

1 A

1 A (M12 version)

1 A

0.5 A

Switch rating DC service categorie DC-13 (Silver contacts)

Voltage

24 VDC

35 VDC

110 VDC

220 VDC

Current

0.7 A

0.5 A (M12 version)

0.2 A

0.1 A

according to UL 508 (Silver contacts)

$\cos \phi$  0,75 ... 0,8

Voltage

120 VAC

240 VAC

24 VAC

Current

5 A

3 A

1 A

**Rated Operational Voltage  $U_e$ :** 250 VAC

**Rated insulation voltage  $U_i$ :** 250 V

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

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

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

**Thermal current  $I_{th}$ :** 5 A

## MECHANICAL CHARACTERISTIC

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

**Contact material:** Silver

**Switching action:** Momentary

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

**Mechanical lifetime:** 1 Mio. cycles of operation

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

**Operating Travel:** ca. 3 mm

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

**Weight:** 0.02 kg

## AMBIENT CONDITION

**IP front protection:** IP65, IP67

**Operating temperature:** - 30 °C ... + 70 °C

**Storage temperature:**

– 40 °C ... + 80 °C

**Shock resistance:**

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

**Vibration resistance:**

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

**Climate resistance:**

Damp heat, 21 days according to IEC 60512-11

**CERTIFICATE**

**Approbations:**

CB, CCC, C UL, UL

**Conformities:**

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

**REACH:**

REACH compliant

**RoHS:**

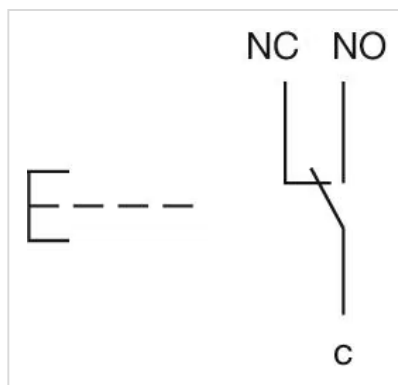
RoHS compliant

**OTHER**

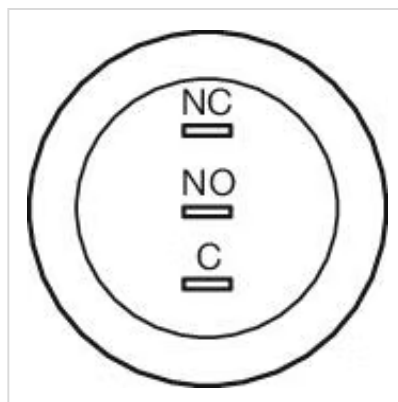
**Short Description:**

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

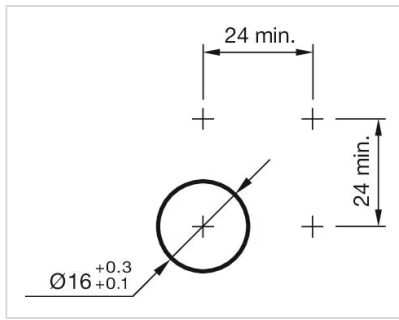
**Wiring diagrams:**



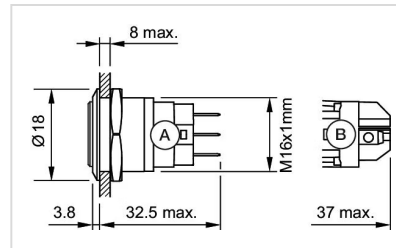
**Component layouts:**



**Mounting cut-outs:**



# **Dimension drawings:**



A = Solder terminal  
B = Screw terminal

Where to Buy

| Distributor                                                                       |                               | Quantity in Stock |     |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------|-------------------|-----|-------------------------------------------------------------------------------------|
|  | Mouser Electronics            | 350 in stock      | Buy |  |
|  | RS UK                         | 22 in stock       | Buy |  |
|  | Transfer Multisort Elektronik | 7 in stock        | Buy |  |
|  | Digi-Key                      | 5 in stock        | Buy |  |
|  | Farnell element14 UK          | 3 in stock        | Buy |  |

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