

Pushbutton Ø 16 mm silver contact

82-4172.1000



<https://eao.com/p/82-4172.1000>

Your product:



82-4172.1000
Pushbutton Ø 16 mm silver contact

FRONT

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

MOUNTING

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

OPERATING-/INDICATION PART

Lens optics:	opaque
Lens illumination:	non illuminative
Lens material:	Stainless steel
Lens colour:	Silver
Lens shape:	convex

ELECTRICAL CHARACTERISTICS

Contacts:	1 C
Rated insulation voltage Ui:	250 V
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

Electrical lifetime: 50 000 cycles of operation

Rated Operational Voltage Ue: 250 VAC

Thermal current Ith: 5 A

MECHANICAL CHARACTERISTIC

Switching action: Momentary

Terminal: Screw terminal

Weight: 0.019 kg

Mechanical lifetime: 1 Mio. cycles of operation

Operating Travel: ca. 3 mm

Operating force: 4 N ... 7 N

Switching system: Snap-action switching element

Contact material: Silver

Tightening torque: 0.5 ... 0.6 Nm, Screw terminal 0.1 Nm

AMBIENT CONDITION

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

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

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

Shock resistance: Max. 500 m / s² as per IEC 60068-2-27

IP front protection: IP65, IP67

CERTIFICATE

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

Approbations: CB, CCC, C UL, UL

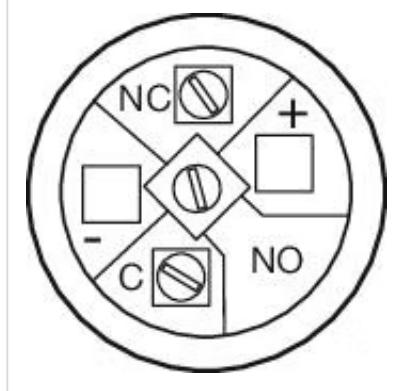
REACH: REACH compliant

RoHS: RoHS compliant

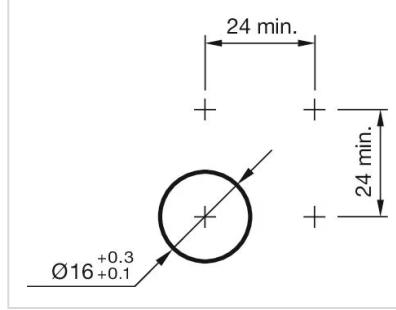
OTHER

Short Description: Pushbutton Ø 16 mm silver contact, Momentary, 1 C, Screw terminal, round, Stainless steel, Silver

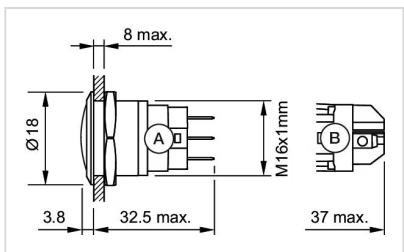
Component layouts:



Mounting cut-outs:



Dimension drawings:



A = Solder terminal
B = Screw terminal

Wiring diagrams:

