Your Expert Partner for **Human Machine Interfaces**

Push button Ø 16 mm silver contact

82-4151.2000.B001

https://www.eao.com/component/82-4151.2000.B0...

Your product:

82-4151.2000.B001
Push button 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 illuminated
Lens shape:	Flush
Lens optics:	opaque
Symbol:	ON/OFF

ELECTRICAL CHARACTERISTICS

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

Contacts: 1 C

Rated Operational Voltage Ue: 250 VAC

Rated insulation voltage Ui: 250 V

Short circuit protective device: fuse / 500 V / 5 A / gG

Rated short-circuit current caused: AC: 1 kA
DC: 1 kA

Switching rating: 240 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 Ith: 5 A

MECHANICAL CHARACTERISTICS

Terminal:	Soldering terminal, 2.8 x 0.5 mm
Contact material:	Silver
Switching action:	Maintained
Switching system:	Snap-action switching element
Mechanical lifetime:	500 000 cycles of operation
Operating force:	4 N … 7 N
Operating Travel:	ca. 3 mm
Tightening torque:	0.5 … 0.6 Nm
Weight:	0.018 kg

AMBIENT CONDITION

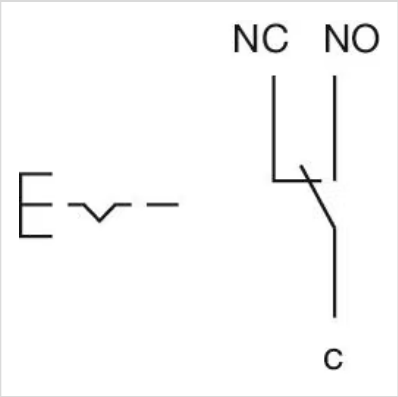
IP front protection:	IP65, IP67
Operating temperature:	– 30 °C … + 70 °C
Storage temperature:	– 40 °C … + 80 °C
Shock resistance:	Max. 500 m / s^2 as per IEC 60068-2-27
Vibration resistance:	10 … 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6
Climate resistance:	Damp heat, 21 days according to IEC 60512-11

CERTIFICATE

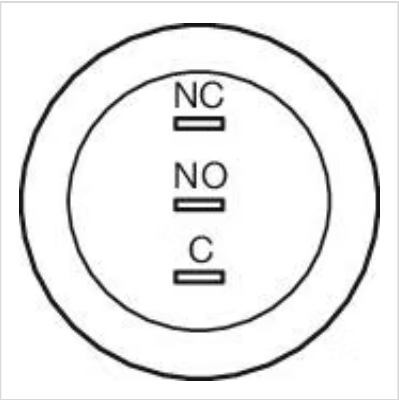
Approbations:	CB, CCC, C UL, UL
Conformities:	CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

OTHER

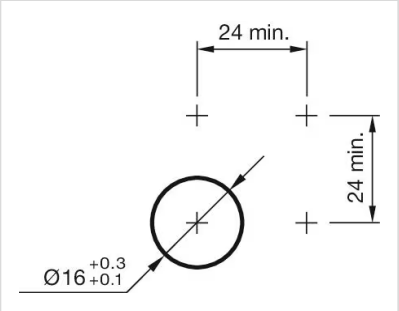
Short Description:	Push button Ø 16 mm silver contact, Maintained, 240 V, 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Stainless steel, ON/OFF, Silver
Housing size:	16 mm
Wiring diagrams:	



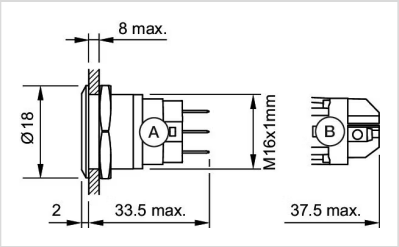
Component layouts:



Mounting cut-outs:



Dimension drawings:



A = Solder terminal
B = Screw terminal