Pushbutton Ø 16 mm silver contact

82-4161.2000.B001

Your product:

82-4161.2000.B001
Pushbutton Ø 16 mm silver contact

FRONT

Front bezel material: Stainless steel

Front bezel shape: flush

Front form: round

Front dimension: Ø 18 mm

MOUNTING

Mounting cut-out: Ø 16 mm

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lens shape: raised

Symbol: ON/OFF

Lens material: Stainless steel

Lens colour: Silver

Lens illumination: non illuminative

Lens optics: opaque

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

Electrical lifetime: 50 000 cycles of operation

Contacts: 1 C

Rated Operational Voltage Ue: 250 VAC

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

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

Rated insulation voltage Ui: 250 V

Thermal current Ith: 5 A

MECHANICAL CHARATERISTIC

Mechanical lifetime: 500 000 cycles of operation

Operating force: 4 N … 7 N

Switching action: Maintained

Operating Travel: ca. 3 mm

Terminal: Soldering terminal, 2.8 x 0.5 mm

Weight: 0.02 kg

Tightening torque: 0.5 … 0.6 Nm

Contact material: Silver

Switching system: Snap-action switching element

AMBIENT CONDITION

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

Operating temperature:

– 30 °C ... + 70 °C

Storage temperature:	– 40 °C ... + 80 °C
IP front protection:	IP65, IP67
Climate resistance:	Damp heat, 21 days according to IEC 60512-11
Vibration resistance:	10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6

CERTIFICATE

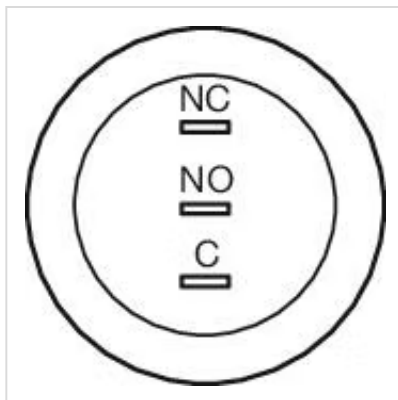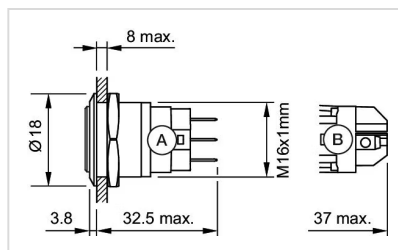|	
Conformities:	CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
Approbations:	CB, CCC, C UL, UL
RoHS:	RoHS compliant

OTHER

Short Description: Pushbutton Ø 16 mm silver contact, Maintained, 1 C, Soldering terminal, 2.8 x 0.5 mm, round, Stainless steel, ON/OFF, Silver
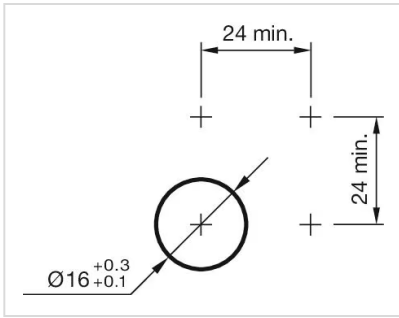
Component layouts:

Dimension drawings:

A = Solder terminal
B = Screw terminal

Mounting cut-outs:

Wiring diagrams: