Pushbutton Ø 16 mm silver contact

82-4171.2000

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FRONT

Front bezel shape: flush

Front bezel material: Stainless steel

MOUNTING

Mounting cut-out: Ø 16 mm

OPERATING-/INDICATION PART

Lens material: Stainless steel

Lens shape: convex

Lens illumination: non illuminative

Lens colour: Silver

Lens optics: opaque

ELECTRICAL CHARACTERISTICS

Thermal current Ith: 5 A

Electrical lifetime: 50 000 cycles of operation

Rated Operational Voltage Ue: 250 VAC

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)
$\cos\varphi$ 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

Rated insulation voltage Ui: 250 V

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

Contacts: 1 C

MECHANICAL CHARATERISTIC

Contact material: Silver

Weight: 0.019 kg

Operating Travel: ca. 3 mm

Terminal: Soldering terminal, 2.8 x 0.5 mm

Mechanical lifetime: 500 000 cycles of operation

Tightening torque: 0.5 ... 0.6 Nm

Switching system: Snap-action switching element

Operating force: 4 N ... 7 N

Switching action: Maintained

AMBIENT CONDITION

Climate resistance: Damp heat, 21 days according to IEC 60512-11

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

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

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

Shock resistance:

Max. 500 m / s² as per IEC 60068-2-27

IP front protection: IP65, IP67

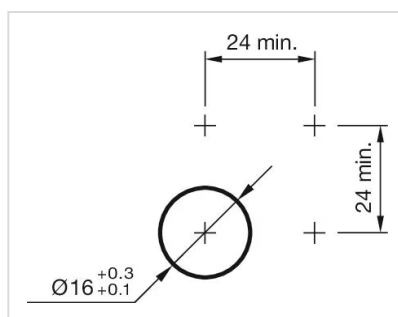**Conformities:**   CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

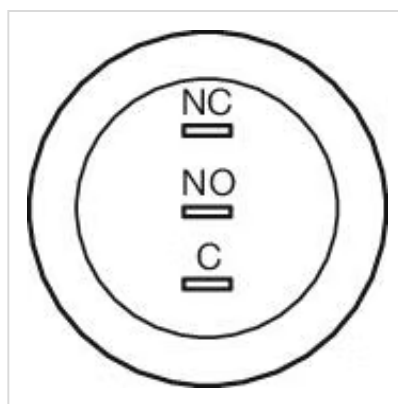**Approbations:**   CB, CCC, C UL, UL

Short Description: Pushbutton Ø 16 mm silver contact, Maintained, 1 C, Soldering terminal, 2.8 x 0.5 mm, Stainless steel, Silver
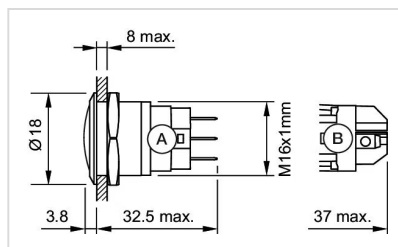
Mounting cut-outs:

Component layouts:

Dimension drawings: A = Solder terminal
B = Screw terminal

Wiring diagrams:

NC NO

C