Illuminated pushbutton Ø 16 mm silver contact

82-4551.2124

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FRONT

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

MOUNTING

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

OPERATING-/INDICATION PART

Lens colour:	Nature
Lens material:	Aluminium
Shape of illumination:	Ring
Lens shape:	flush
Lens illumination:	illuminative
Lens optics:	opaque
Illumination colour:	Blue

ELECTRICAL CHARACTERISTICS

Pollution degree:	2, according to EN IEC 60947-1
Contacts:	1 C
Rated insulation voltage Ui:	250 V

Operation current: 7 mA

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 versio
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 vers
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

Thermal current Ith: 5 A

Rated Operational Voltage Ue: 250 VAC

Operating voltage: 24 V AC/DC

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

MECHANICAL CHARATERISTIC

Operating force: 4 N ... 7 N

Operating Travel: ca. 3 mm

Switching action: Maintained

Tightening torque: 0.5 ... 0.6 Nm

Terminal: Soldering terminal, 2.8 x 0.5 mm

Weight: 0.018 kg

Switching system: Snap-action switching element

Mechanical lifetime: 500 000 cycles of operation

Contact material: Silver

AMBIENT CONDITION

IP front protection: IP65, IP67

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

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

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

CERTIFICATE

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

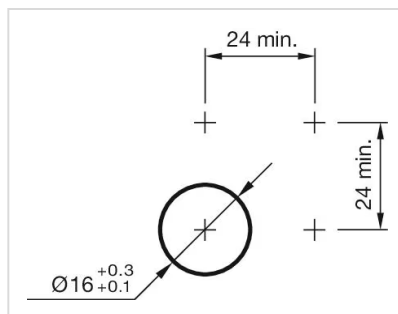**Approbations:** CB, CCC, C UL, UL

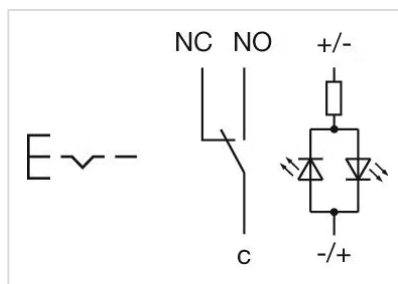**RoHS:** RoHS compliant

REACH: REACH compliant

OTHER

Kind of illlumination: Single-LED

Short Description: Illuminated pushbutton Ø 16 mm silver contact, Maintained, 24 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, round, Aluminium, Blue, Nature
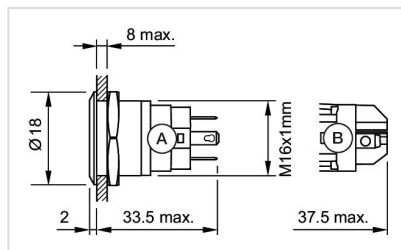
Mounting cut-outs:

Wiring diagrams:

Dimension drawings:

A = Solder terminal
B = Screw terminal

Component layouts: