

# Illuminated pushbutton Ø 16 mm silver contact

82-4151.2133

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82-4151.2133

Illuminated pushbutton 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:	illuminative
Lens shape:	flush
Lens optics:	opaque
Illumination colour:	Green
Shape of illumination:	Ring

#### ELECTRICAL CHARACTERISTICS

Contacts:	1 C
Operating voltage:	12 V AC/DC
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)

$\cos\phi$  0,75 ... 0,8

Voltage	Current
120 VAC	5 A
240 VAC	3 A
24 VAC	1 A

**Rated Operational Voltage Ue:**

250 VAC

**Rated insulation voltage Ui:**

250 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 CHARACTERISTIC****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<sup>2</sup> 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**

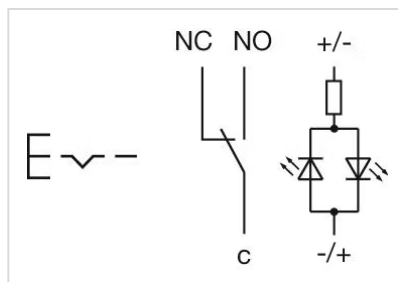
**Short Description:**

Illuminated pushbutton Ø 16 mm silver contact, Maintained, 12 V AC/DC, 1 C,  
Soldering terminal, 2.8 x 0.5 mm, round, Stainless steel, Green, Silver

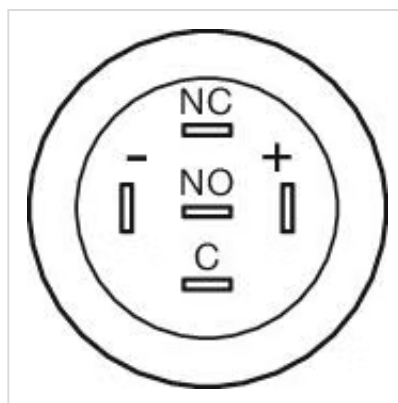
**Kind of illumination:**

Single-LED

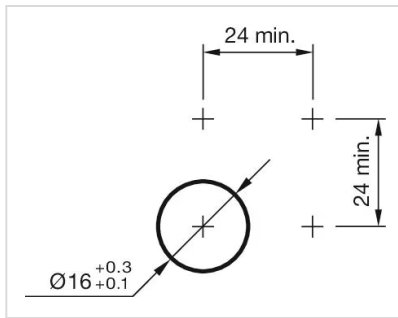
**Wiring diagrams:**



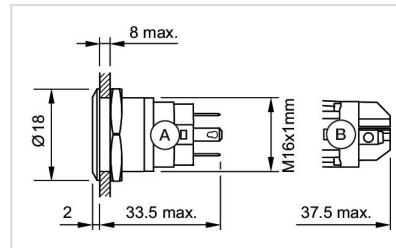
**Component layouts:**



**Mounting cut-outs:**



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal

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