

# Illuminated pushbutton Ø 16 mm silver contact

Distribution by Mouser



82-4151.2124







# 82-4151.2124 Illuminated pushbutton Ø 16 mm silver contact

#### **FRONT**

Front dimension:  $\varnothing$  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: Illuminated

Lens shape: Flush

Lens optics: opaque

Illumination colour: Blue

Shape of illumination: Ring

# **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)

 $\cos \phi \ 0.75 \dots 0.8$ 

 Voltage
 Current

 120 VAC
 5 A

 240 VAC
 3 A

 24 VAC
 1 A

Contacts: 1 C

**Operating voltage:** 24 V AC/DC

Operation current: 7 mA

Rated Operational Voltage Ue: 250 VAC

Rated insulation voltage Ui: 250 V

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 CHARATERISTIC**

**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:**  $-30 \, ^{\circ}\text{C} \, ... \, + \, 70 \, ^{\circ}\text{C}$ 

Storage temperature:  $-40 \, ^{\circ}\text{C} \, ... + 80 \, ^{\circ}\text{C}$ 

**Shock resistance:** Max. 500 m / s² 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

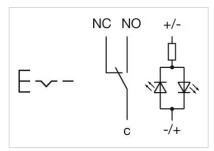
#### **OTHER**

Short Description: Illuminated pushbutton Ø 16 mm silver contact, Maintained, 240 V, 24 V AC/DC, 1

C, Soldering terminal, 2.8 x 0.5 mm, Round, Stainless steel, Blue, Silver

Kind of illlumination: Single-LED

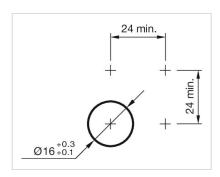
Wiring diagrams:



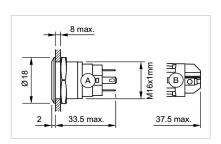
# Component layouts:



# Mounting cut-outs:



### Dimension drawings:



A = Solder terminal B = Screw terminal