

# Illuminated push button Ø 16 mm silver contact

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DigiKey

**DigiKey**

82-4551.2124



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## 82-4551.2124

### Illuminated push button Ø 16 mm silver contact

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#### **FRONT**

**Front dimension:** Ø 18 mm

**Front form:** Round

**Front bezel material:** Aluminium

**Front bezel shape:** Flush

#### **MOUNTING**

**Mounting cut-out:** Ø 16 mm

**Mounting type:** Panel mounting

#### **OPERATING-/INDICATION PART**

**Lens colour:** Nature

**Lens material:** Aluminium

**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

24 VAC

35 VAC

110 VAC

220 VAC

Current

1 A

1 A (M12 version)

1 A

0.5 A

Switch rating DC service categorie DC-13 (Silver contacts)

Voltage

24 VDC

35 VDC

110 VDC

220 VDC

Current

0.7 A

0.5 A (M12 version)

0.2 A

0.1 A

according to UL 508 (Silver contacts)

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

Voltage

120 VAC

240 VAC

24 VAC

Current

5 A

3 A

1 A

|  |  |
|--|--|
| <b>Contacts:</b>                           | 1 C  |
| <b>Operating voltage:</b>                  | 24 V AC/DC   |
| <b>Operation current:</b>                  | 7 mA   |
| <b>Rated Operational Voltage Ue:</b>       | 250 VAC  |
| <b>Rated insulation voltage Ui:</b>        | 250 V  |
| <b>Short circuit protective device:</b>    | fuse / 500 V / 5 A / gG                                    |
| <b>Rated short-circuit current caused:</b> | AC: 1 kA<br>DC: 1 kA                                       |
| <b>Switching rating:</b>                   | 240 V  |
| <b>Electrical lifetime:</b>                | 50 000 cycles of operation                                 |
| <b>Electric strength:</b>                  | 1500 VAC, 50 Hz 1 minute between life terminals and ground |
| <b>Pollution degree:</b>                   | 2, according to EN IEC 60947-1                             |
| <b>Thermal current Ith:</b>                | 5 A  |

## MECHANICAL CHARACTERISTICS

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>Terminal:</b>            | Soldering terminal, 2.8 x 0.5 mm |
| <b>Contact material:</b>    | Silver                           |
| <b>Switching action:</b>    | Maintained                       |
| <b>Switching system:</b>    | Snap-action switching element    |
| <b>Mechanical lifetime:</b> | 500 000 cycles of operation      |
| <b>Operating force:</b>     | 4 N ... 7 N                      |
| <b>Operating Travel:</b>    | 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 push button Ø 16 mm silver contact, Maintained, 240 V, 24 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Aluminium, Blue, Nature

**Kind of illumination:** Single-LED

**Housing size:** 16 mm

**Wiring diagrams:**



**Component layouts:**



**Mounting cut-outs:**



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal