

Illuminated pushbutton Ø 16 mm silver contact

Distribution by
DigiKey

DigiKey

82-4551.2123



<https://digikey.eao.com/p/82-4551.2123>

Your product:



82-4551.2123

Illuminated pushbutton Ø
16 mm silver contact

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

| | |
|--------------------------------------|--|
| Contacts: | 1 C |
| Operating voltage: | 12 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 CHARACTERISTICS

| | |
|-----------------------------|----------------------------------|
| 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 |

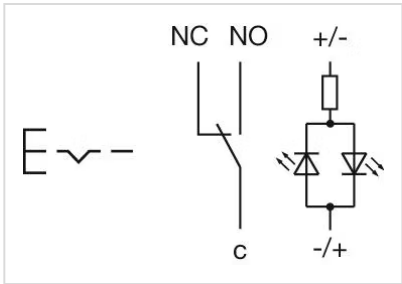
AMBIENT CONDITION

| | |
|-------------------------------|--|
| IP front protection: | IP65, IP67 |
| Operating temperature: | – 30 °C ... + 70 °C |
| Storage temperature: | – 40 °C ... + 80 °C |
| Shock resistance: | Max. 500 m / s 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 |

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, 12 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Aluminium, Blue, Nature |
| Kind of illumination: | Single-LED |
| Wiring diagrams: |  |

Component layouts:



Mounting cut-outs:



Dimension drawings:



A = Solder terminal
B = Screw terminal