

## Illuminated pushbutton Ø 19 mm silver contact

82-5151.1124.B001



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Your product:

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## 82-5151.1124.B001

### Illuminated pushbutton Ø 19 mm silver contact

#### FRONT

|                       |                 |
|-----------------------|-----------------|
| Front dimension:      | Ø 22 mm         |
| Front form:           | round           |
| Front bezel material: | Stainless steel |
| Front bezel shape:    | flush           |

#### MOUNTING

|                   |                |
|-------------------|----------------|
| Mounting cut-out: | Ø 19 mm        |
| Mounting type:    | Panel mounting |

#### OPERATING-/INDICATION PART

|                        |                 |
|------------------------|-----------------|
| Lens colour:           | Silver          |
| Lens material:         | Stainless steel |
| Lens illumination:     | illuminative    |
| Lens shape:            | flush           |
| Lens optics:           | opaque          |
| Symbol:                | ON/OFF          |
| Illumination colour:   | Blue            |
| Shape of illumination: | Ring            |

#### ELECTRICAL CHARACTERISTICS

|                    |         |
|--------------------|---------|
| Contacts:          | 1 C     |
| Operating voltage: | 24 V DC |

|   |   |                 |
|---|---|-----------------|
| <b>Operation current:</b>                       | 7 mA  |                 |
| <b>Switching voltage and switching current:</b> | according to IEC 60947-5-1 (Silver contacts)<br>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     |
| <b>Rated Operational Voltage Ue:</b> | 250 VAC  |         |
| <b>Rated insulation voltage Ui:</b>  | 250 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 CHARATERISTIC

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>Terminal:</b>            | Soldering terminal, 2.8 x 0.5 mm |
| <b>Contact material:</b>    | Silver                           |
| <b>Switching action:</b>    | Momentary                        |
| <b>Switching system:</b>    | Snap-action switching element    |
| <b>Mechanical lifetime:</b> | 1 Mio. cycles of operation       |
| <b>Operating force:</b>     | 4 N ... 7 N                      |
| <b>Operating Travel:</b>    | ca. 3 mm                         |
| <b>Tightening torque:</b>   | 0.5 ... 0.6 Nm                   |
| <b>Weight:</b>              | 0.018 kg                         |

## AMBIENT CONDITION

|                               |            |
|-------------------------------|------------|
| <b>IP front protection:</b>   | IP65, IP67 |
| <b>Operating temperature:</b> |            |

– 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

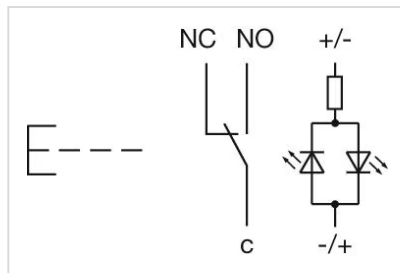
**Short Description:**

Illuminated pushbutton Ø 19 mm silver contact, Momentary, 24 V DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, round, Stainless steel, Blue, ON/OFF, Silver

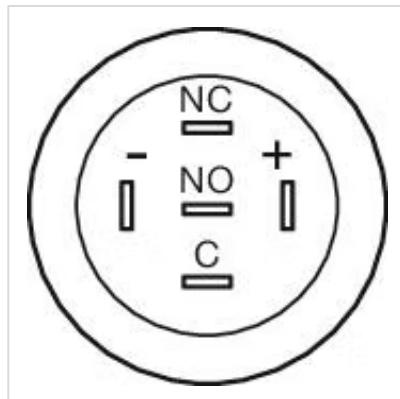
**Kind of illumination:**

Single-LED

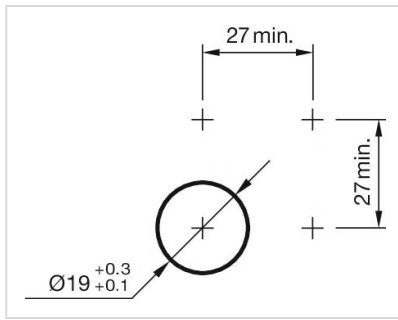
**Wiring diagrams:**



**Component layouts:**



**Mounting cut-outs:**













# **Dimension drawings:**



A = Solder terminal  
B = Screw terminal

Where to Buy

| Distributor   |                     | Quantity in Stock |     |   |
|---|---------------------|-------------------|-----|---|
|  | RS UK               | 22 in stock       | Buy |  |
|  | element14 Singapore | 8 in stock        | Buy |  |
|  | Farnell UK          | 8 in stock        | Buy |  |
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|  | Mouser Electronics  | 5 in stock        | Buy |  |

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