

## Illuminated push button Ø 22 mm silver contact

82-6151.1133



<https://www.eao.com/component/82-6151.1133/en...>

Your product:

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82-6151.1133  
Illuminated push button Ø  
22 mm silver contact

#### FRONT

|                       |                 |
|-----------------------|-----------------|
| Front dimension:      | Ø 25 mm         |
| Front form:           | Round           |
| Front bezel material: | Stainless steel |
| Front bezel shape:    | Flush           |

#### MOUNTING

|                   |                |
|-------------------|----------------|
| Mounting cut-out: | Ø 22 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:   | Green           |
| 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 ... 0,8

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

|                                      |  |
|--------------------------------------|--|
| <b>Contacts:</b>                     | 1 C  |
| <b>Operating voltage:</b>            | 12 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>Switching rating:</b>             | 240 V @ 3 A  |
| <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>    | Momentary                            |
| <b>Switching system:</b>    | Snap-action switching element        |
| <b>Mechanical lifetime:</b> | 1 Mil. cycles of operation (RCC/RPB) |
| <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  |
| <b>Storage temperature:</b>   | – 40 °C ... + 80 °C  |
| <b>Shock resistance:</b>      | Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27              |
| <b>Vibration resistance:</b>  | 10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6 |
| <b>Climate resistance:</b>    | Damp heat, 21 days according to IEC 60512-11                   |

## CERTIFICATE

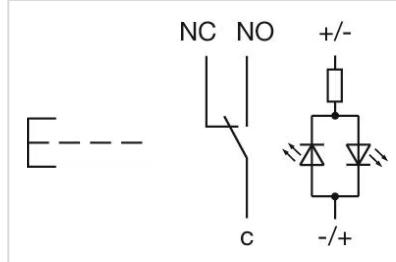
|                      |   |
|----------------------|---|
| <b>Approbations:</b> | CB, CCC, C UL, UL                               |
| <b>Conformities:</b> | CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |
| <b>REACH:</b>        | REACH compliant                                 |
| <b>RoHS:</b>         | RoHS compliant                                  |

## OTHER

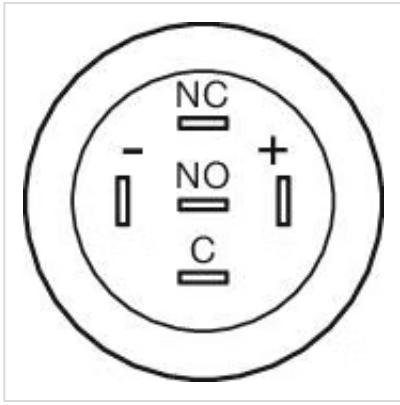
**Short Description:** Illuminated push button Ø 22 mm silver contact, Momentary, 240 V @ 3 A, 12 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Stainless steel, Green, Silver

**Kind of illumination:** Single-LED

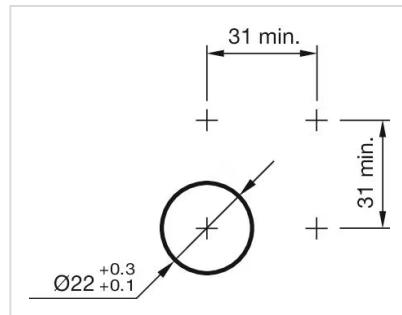
**Wiring diagrams:**



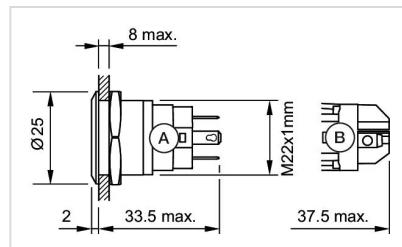
**Component layouts:**



**Mounting cut-outs:**



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal