

Illuminated push button, Ø 22 mm, stainless steel 316L, cable 200 mm, 180°

Distribution by  
Mouser



82-6655.2154



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Your product:

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Illuminated push button, Ø 22 mm,  
stainless steel 316L, cable 200 mm,  
180°

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#### **FRONT**

|                              |                      |
|------------------------------|----------------------|
| <b>Front dimension:</b>      | Ø 25 mm              |
| <b>Front form:</b>           | Round                |
| <b>Front bezel material:</b> | Stainless steel 316L |
| <b>Front bezel shape:</b>    | Flush                |

#### **MOUNTING**

|                          |                |
|--------------------------|----------------|
| <b>Mounting cut-out:</b> | Ø 22 mm        |
| <b>Mounting type:</b>    | Panel mounting |

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

|                               |                      |
|-------------------------------|----------------------|
| <b>Lens colour:</b>           | Silver               |
| <b>Lens material:</b>         | Stainless steel 316L |
| <b>Lens illumination:</b>     | Illuminated          |
| <b>Lens shape:</b>            | Flush                |
| <b>Lens optics:</b>           | opaque               |
| <b>Illumination colour:</b>   | White                |
| <b>Shape of illumination:</b> | Ring (Tritan)        |

#### **ELECTRICAL CHARACTERISTICS**

**Switching voltage and switching current:**

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     |

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               |

|  |  |
|--|--|
| <b>Operating voltage:</b>                          | 24 V DC (LED)  |
| <b>Rated Operational Voltage <math>U_e</math>:</b> | 250 VAC  |
| <b>Rated insulation voltage <math>U_i</math>:</b>  | 250 V  |
| <b>Switching rating:</b>                           | 35 V AC/DC @ 0,6 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 <math>I_{th}</math>:</b>        | 5 A  |

## MECHANICAL CHARACTERISTICS

|                             |                               |
|-----------------------------|-------------------------------|
| <b>Terminal:</b>            | Cable 200 mm, 180°            |
| <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                      |
| <b>Tightening torque:</b>   | 0.5 ... 0.6 Nm                |
| <b>Weight:</b>              | 0.064 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

**Conformities:**

CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

**REACH:**

REACH compliant

**RoHS:**

RoHS compliant

## OTHER

**Short Description:**

Illuminated push button, Ø 22 mm, stainless steel 316L, cable 200 mm, 180°, Maintained, 35 V AC/DC @ 0,6 A, 24 V DC (LED), Cable 200 mm, 180°, Round, Stainless steel 316L, White, Silver

**Kind of illumination:**

Single-LED

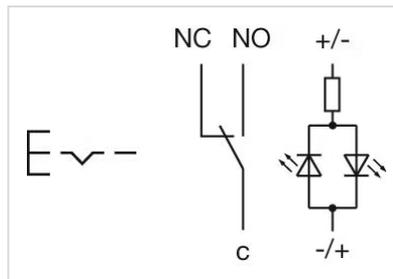
**Housing size:**

19 mm

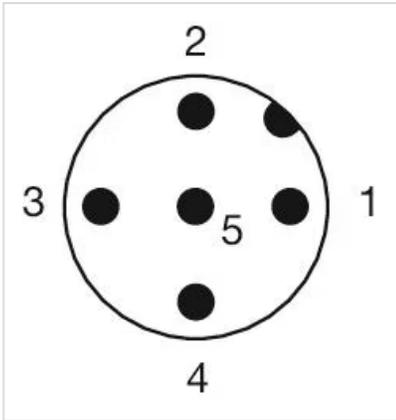
**Hints:**

Cable with certification ECE-R118

**Wiring diagrams:**

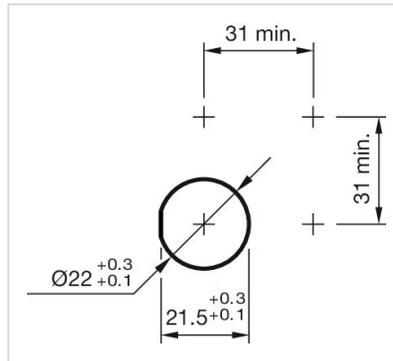


**Component layouts:**



- 1 = NC
- 2 = LED+
- 3 = Common
- 4 = LED-
- 5 = NO
- A-Coded

**Mounting cut-outs:**



**Dimension drawings:**

