

Illuminated push button, connector M12, Ø 22 mm, stainless steel 316L, cable 200 mm, 90°

82-665G.1000



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Your product:

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Illuminated push button, connector M12,  
Ø 22 mm, stainless steel 316L, cable  
200 mm, 90°

#### 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> | Non illuminated      |
| <b>Lens shape:</b>        | Flush                |
| <b>Lens optics:</b>       | opaque               |

#### ELECTRICAL CHARACTERISTICS

|   |                                       |         |
|---|---------------------------------------|---------|
| <b>Switching voltage and switching current:</b> | according to UL 508 (Silver contacts) |         |
|   | cosφ 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

24 VAC

35 VAC

110 VAC

220 VAC

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

Voltage

24 VDC

35 VDC

110 VDC

220 VDC

Current

1 A

1 A (M12 version)

1 A

0.5 A

Current

0.7 A

0.5 A (M12 version)

0.2 A

0.1 A

|   |  |
|---|--|
| <b>Rated Operational Voltage U<sub>e</sub>:</b> | 250 VAC  |
| <b>Rated insulation voltage U<sub>i</sub>:</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>                        | 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 I<sub>th</sub>:</b>          | 5 A  |

## MECHANICAL CHARACTERISTICS

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>Terminal:</b>            | Cable 200 mm, 90°, Connector M12 |
| <b>Switching action:</b>    | Momentary                        |
| <b>Switching system:</b>    | Snap-action switching element    |
| <b>Mechanical lifetime:</b> | 1 Mil. 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>              | 0.046 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

**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

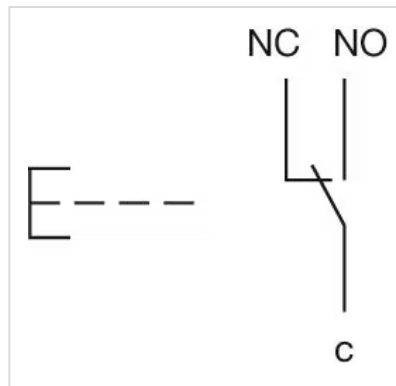
**RoHS:** RoHS compliant

### OTHER

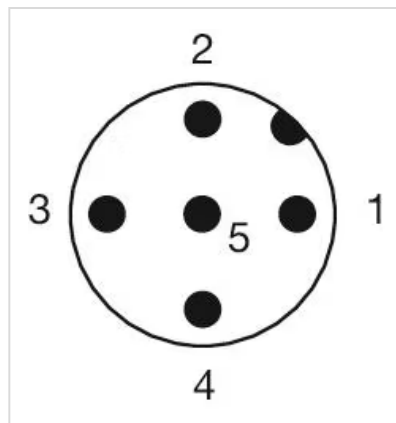
**Short Description:** Illuminated push button, connector M12, Ø 22 mm, stainless steel 316L, cable 200 mm, 90°, Momentary, 35 V AC/DC @ 0,6 A, Cable 200 mm, 90°, Connector M12, Round, Stainless steel 316L, Silver

**Housing size:** 19 mm

**Wiring diagrams:**



**Component layouts:**



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

**Mounting cut-outs:**



**Dimension drawings:**

