

Illuminated push button, connector M12,  $\varnothing 22$  mm, stainless steel 316L

Distribution by  
Farnell



82-6657.1124



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Illuminated push button, connector M12,  
Ø 22 mm, stainless steel 316L

#### 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>   | Blue                 |
| <b>Shape of illumination:</b> | Ring (Tritan)        |

#### ELECTRICAL CHARACTERISTICS

|   |  |         |
|---|--|---------|
| <b>Switching voltage and switching current:</b> | according to UL 508 (Silver contacts)<br>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>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>            | Connector M12 (5 pins)               |
| <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>              | 0.043 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

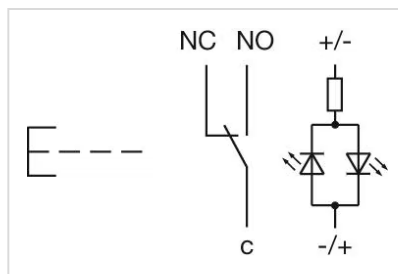
**OTHER**

**Short Description:** Illuminated push button, connector M12, Ø 22 mm, stainless steel 316L, Momentary, 35 V AC/DC @ 0,6 A, 24 V DC (LED), Connector M12 (5 pins), Round, Stainless steel 316L, Blue, Silver

**Kind of illumination:** Single-LED

**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:**

