

Illuminated push button, connector M12,  $\varnothing$  22 mm, stainless steel 316L, cable 200 mm, 180°

Distribution by  
farnell



82-665A.1134



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Illuminated push button, connector M12,  
Ø 22 mm, stainless steel 316L, cable  
200 mm, 180°

*Loading ...*

#### **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>   | Green                |
| <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>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 <math>I_{th}</math>:</b>        | 5 A  |

## MECHANICAL CHARACTERISTICS

|                             |                                   |
|-----------------------------|-----------------------------------|
| <b>Terminal:</b>            | Cable 200 mm, 180°, 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>              | 0.062 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>Conformities:</b> | CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |
| <b>REACH:</b>        | REACH compliant                                 |
| <b>RoHS:</b>         | RoHS compliant                                  |

## OTHER

|                              |  |
|------------------------------|--|
| <b>Short Description:</b>    | Illuminated push button, connector M12, Ø 22 mm, stainless steel 316L, cable 200 mm, 180°, Momentary, 35 V AC/DC @ 0,6 A, 24 V DC (LED), Cable 200 mm, 180°, Connector M12, Round, Stainless steel 316L, Green, Silver |
| <b>Kind of illumination:</b> | Single-LED   |
| <b>Housing size:</b>         | 19 mm  |
| <b>Wiring diagrams:</b>      |  |

**Component layouts:**



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

**Mounting cut-outs:**



**Dimension drawings:**

