

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

82-665A.1154



<https://www.eao.com/p/82-665A.1154>

Your product:



82-665A.1154  
Illuminated pushbutton, connector M12,  
Ø 22 mm, stainless steel 316L, cable  
200 mm, 180°

**FRONT**

|                       |                      |
|-----------------------|----------------------|
| Front dimension:      | Ø 25 mm              |
| Front form:           | Round                |
| Front bezel material: | Stainless steel 316L |
| 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 316L |
| Lens illumination:     | Illuminated          |
| Lens shape:            | Flush                |
| Lens optics:           | opaque               |
| Illumination colour:   | White                |
| Shape of illumination: | Ring (Tritan)        |

**ELECTRICAL CHARACTERISTICS**

|  |   |         |
|--|---|---------|
| Switching voltage and switching current: | according to UL 508 (Silver contacts)<br>cosφ 0,75 ... 0,8<br>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 Ue:</b> | 250 VAC  |
| <b>Rated insulation voltage Ui:</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 Ith:</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 |

**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 pushbutton, 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, White, Silver

**Kind of illumination:**

Single-LED

**Wiring diagrams:****Component layouts:**

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

**Mounting cut-outs:**



**Dimension drawings:**

