

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

82-6657.1134



<https://www.eao.com/component/82-6657.1134/en...>

Your product:



82-6657.1134  
Illuminated push button, connector M12,  
Ø 22 mm, stainless steel 316L

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:   | Green                |
| Shape of illumination: | Ring (Tritan)        |

ELECTRICAL CHARACTERISTICS

|                                          |                                       |         |
|------------------------------------------|---------------------------------------|---------|
| Switching voltage and switching current: | 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>Operating voltage:</b>                  | 24 V DC (LED)                                              |
| <b>Rated Operational Voltage Ue:</b>       | 250 VAC                                                    |
| <b>Rated insulation voltage Ui:</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 Ith:</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    |
| <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 |

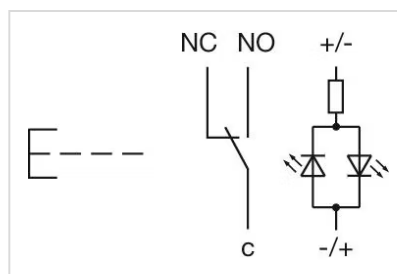
|                              |                                                                |
|------------------------------|----------------------------------------------------------------|
| <b>Shock resistance:</b>     | Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27              |
| <b>Vibration resistance:</b> | 10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6 |
| <b>Climate resistance:</b>   | Damp heat, 21 days according to IEC 60512-11                   |

## CERTIFICATE

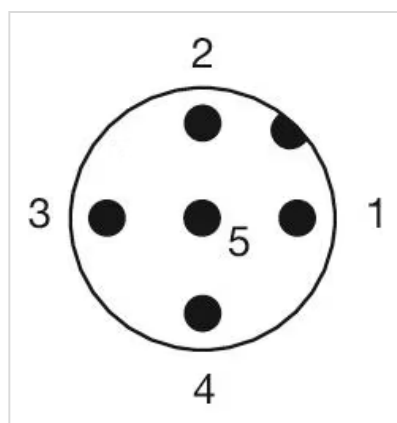
|                      |                                                 |
|----------------------|-------------------------------------------------|
| <b>Conformities:</b> | CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |
| <b>REACH:</b>        | REACH compliant                                 |
| <b>RoHS:</b>         | RoHS compliant                                  |

## OTHER

|                              |                                                                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Short Description:</b>    | Illuminated push button, connector M12, Ø 22 mm, stainless steel 316L, Momentary, 35 V AC/DC @ 0,6 A, 24 V DC (LED), Connector M12 (5 pins), Round, Stainless steel 316L, Green, Silver |
| <b>Kind of illumination:</b> | Single-LED                                                                                                                                                                              |
| <b>Housing size:</b>         | 19 mm                                                                                                                                                                                   |
| <b>Wiring diagrams:</b>      |                                                                                                                                                                                         |

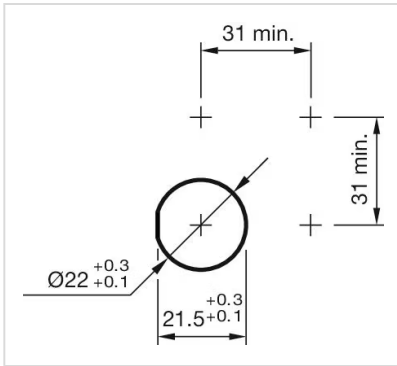


## Component layouts:



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

## Mounting cut-outs:



**Dimension drawings:**

