

# Illuminated push button Ø 22 mm stainless steel 316L

82-6651.2154



<https://www.eao.com/component/82-6651.2154/en...>

Your product:



82-6651.2154  
Illuminated push button Ø 22 mm  
stainless steel 316L

FRONT

|                       |                      |
|-----------------------|----------------------|
| Front dimension:      | Ø 22 mm              |
| Front form:           | Round                |
| Front bezel material: | Stainless steel 316L |
| Front bezel shape:    | Flush                |

MOUNTING

|                   |                |
|-------------------|----------------|
| Mounting cut-out: | Ø 19 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) |         |
|                                          | 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>Contacts:</b>                           | 1 C                                                        |
| <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>                   | 36 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>            | Plug-in terminal, 2.8 x 0.5 mm |
| <b>Contact material:</b>    | Silver                         |
| <b>Switching action:</b>    | Maintained                     |
| <b>Switching system:</b>    | Snap-action switching element  |
| <b>Mechanical lifetime:</b> | 500 000 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>              | 0.016 kg                       |

## AMBIENT CONDITION

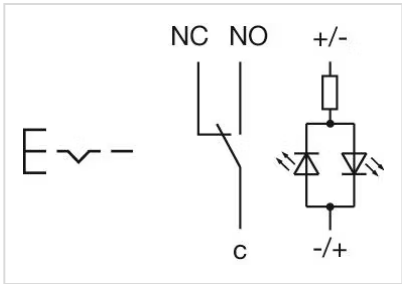
|                             |            |
|-----------------------------|------------|
| <b>IP front protection:</b> | IP65, IP67 |
|-----------------------------|------------|

|                               |                                                                |
|-------------------------------|----------------------------------------------------------------|
| <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                   |

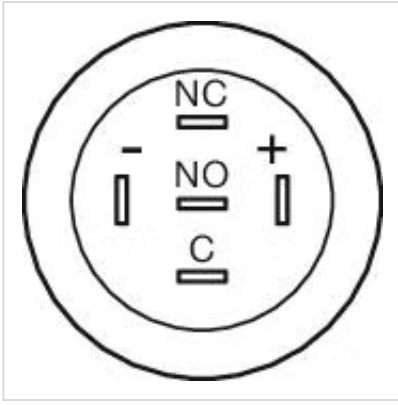
## CERTIFICATE

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

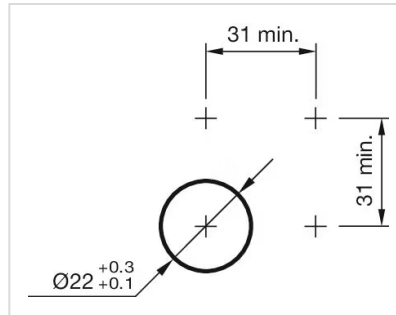
## OTHER

|                              |                                                                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Short Description:</b>    | Illuminated push button Ø 22 mm stainless steel 316L, Maintained, 36 V AC/DC @ 0,6 A, 24 V DC (LED), 1 C, Plug-in terminal, 2.8 x 0.5 mm, Round, Stainless steel 316L, White, Silver |
| <b>Kind of illumination:</b> | Single-LED                                                                                                                                                                           |
| <b>Housing size:</b>         | 19 mm                                                                                                                                                                                |
| <b>Hints:</b>                | Switching voltage: max. 36 V AC/1A, max. 36 V DC/0.6                                                                                                                                 |
| <b>Wiring diagrams:</b>      |                                                                                                  |

## Component layouts:



**Mounting cut-outs:**



**Dimension drawings:**

