

# Actuator

14-  
521.0360



<https://eao.com/p/14-521.0360>

Your product:

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## 14-521.0360

### Actuator

#### FRONT

|                       |           |
|-----------------------|-----------|
| Front bezel colour:   | Nature    |
| Front form:           | round     |
| Front bezel material: | Aluminium |

#### MOUNTING

|                |                |
|----------------|----------------|
| Mounting type: | Panel mounting |
|----------------|----------------|

#### OPERATING-/INDICATION PART

|                 |         |
|-----------------|---------|
| Lever shape:    | short   |
| Lever material: | plastic |
| Lever colour:   | Black   |

#### ELECTRICAL CHARACTERISTICS

|  |  |
|--|--|
| Switching voltage and switching current: | 100 mA at 42 VAC/VDC   |
| Protection class:                        | II   |
| Electric strength:                       | 3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1 |
| Contacts:                                | 2 NC   |

#### MECHANICAL CHARACTERISTIC

|                     |  |
|---------------------|--|
| Wire cross section: | Max. wire diameter 2 wires of 1 mm<br>Max. wire cross-section of stranded cable 2 x 0.75 mm <sup>2</sup> |
| Operating force:    | 3 N ... 4 N, depending on the number of switching elements   |

|                             |  |
|-----------------------------|--|
| <b>Switching system:</b>    | <p>This low-level switching element was designed for switching low powers in electronic circuits. The mechanism assures reliable switching of loads ranging from a few <math>\mu\text{A}/\mu\text{V}</math> up to 100 mA/ 42 VAC/DC.</p> <p>Single-break momentary contact, as normally open or normally closed with 4 independent points of contact. 2 momentary contacts per switching element; combination of normally open and normally closed is possible.</p> <p>Special features are the long life, extremely short rebound time and stable contact resistance.</p> |
| <b>Contact material:</b>    | Gold   |
| <b>Switching positions:</b> | 2 positions  |
| <b>Tightening torque:</b>   | Fixing nut max. 0.25 Nm  |
| <b>Weight:</b>              | 0.025 kg   |
| <b>Switching system:</b>    | Low-level element  |
| <b>Switching action:</b>    | Rest - Maintained  |
| <b>Mechanical lifetime:</b> | 1 Mio. cycles of operation   |
| <b>Terminal:</b>            | Universal terminal, 2 x 0.5 mm   |
| <b>Switching angle:</b>     | 90° right  |

## AMBIENT CONDITION

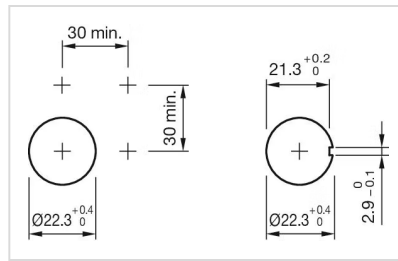
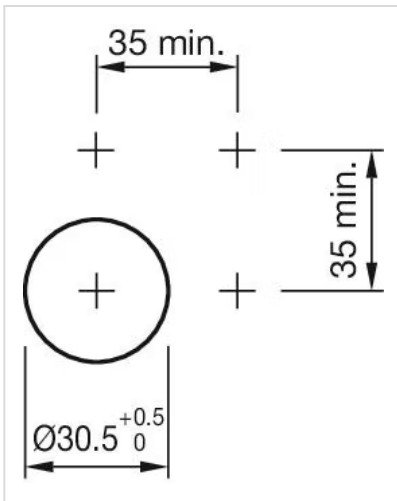
|                               |   |
|-------------------------------|---|
| <b>Operating temperature:</b> | – 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely                       |
| <b>Storage temperature:</b>   | – 40 °C ... + 85 °C   |
| <b>Shock resistance:</b>      | Max. 150 m / s <sup>2</sup> , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27) |
| <b>IP front protection:</b>   | IP67, according to DIN EN 60529   |

## CERTIFICATE

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

## OTHER

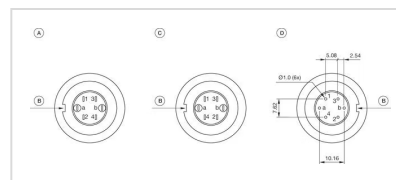
|                           |  |
|---------------------------|--|
| <b>Hints:</b>             | The colour of anodised aluminium parts can vary due to technical production reasons  |
| <b>Short Description:</b> | Actuator, non illuminative, Black, short, round, Nature, Aluminium, anodised, 2 NC, Rest - Maintained, Universal terminal, 2 x 0.5 mm, IP67, according to DIN EN 60529 |
| <b>Mounting cut-outs:</b> |  |



#### Wiring diagrams:

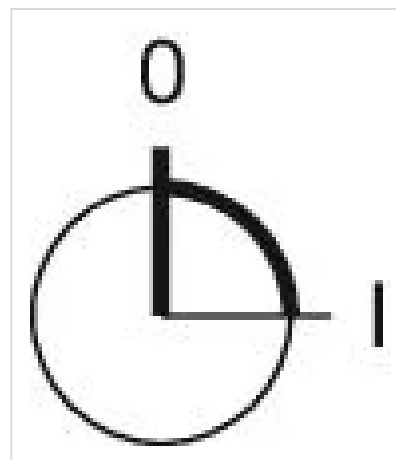


#### Component layouts:

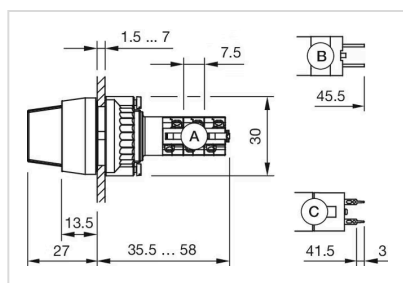


A = Terminals (rear side)  
 B = Anti twist device  
 C = Diode block  
 D = Drilling plan (component side)

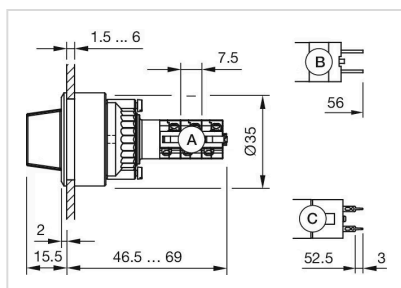
#### Switching positions:



#### Dimension drawings:



A = Solder terminal  
 B = Plug-in terminal 2.8 x 0.5 mm  
 C = Universal terminal 2.0 mm x 0.5 mm



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