

# Actuator

14-  
236.025K2

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## 14-236.025K2 Actuator

### FRONT

|                              |           |
|------------------------------|-----------|
| <b>Front form:</b>           | Round     |
| <b>Front bezel colour:</b>   | Nature    |
| <b>Front bezel material:</b> | Aluminium |

### MOUNTING

|                       |                |
|-----------------------|----------------|
| <b>Mounting type:</b> | Panel mounting |
|-----------------------|----------------|

### ELECTRICAL CHARACTERISTICS

|                                                    |                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Switching voltage and switching current:</b>    | 250 VAC, 5 A (ohmic)<br>250 VAC, 3 A (Soldering terminal)<br>250 VAC, 2 A (inductive, $\cos(\phi) = 0.7$ )<br>220 VDC, 0.1 A (inductive, L:R = 30 ms)<br>110 VDC, 0.2 A (inductive, L:R = 30 ms)<br>60 VDC, 0.7 A (inductive, L:R = 30 ms)<br>24 VDC, 2 A (inductive, L:R = 30 ms) |
| <b>Contacts:</b>                                   | 2 NC / 2 NO                                                                                                                                                                                                                                                                        |
| <b>Rated Operational Voltage <math>U_e</math>:</b> | 250 VAC/DC according to EN IEC 61058-1                                                                                                                                                                                                                                             |
| <b>Switching rating:</b>                           | 250 V @ 3 A                                                                                                                                                                                                                                                                        |
| <b>Electrical lifetime:</b>                        | 50 000 cycles of operation                                                                                                                                                                                                                                                         |
| <b>Electric strength:</b>                          | 3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1                                                                                                                                                                                               |
| <b>Protection class:</b>                           | II                                                                                                                                                                                                                                                                                 |
| <b>Standards:</b>                                  | According to EN/IEC 61058-1                                                                                                                                                                                                                                                        |
| <b>Thermal current <math>I_{th}</math>:</b>        | The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values.<br>3 A                                                                                                                                                             |

## MECHANICAL CHARACTERISTIC

|                             |                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Terminal:</b>            | Soldering terminal                                                                                                   |
| <b>Contact material:</b>    | Gold                                                                                                                 |
| <b>Switching action:</b>    | Rest (a) - Maintained                                                                                                |
| <b>Switching system:</b>    | Snap-action switching element                                                                                        |
| <b>Switching system:</b>    | Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element. |
| <b>Switching positions:</b> | 2 positions                                                                                                          |
| <b>Switching angle:</b>     | 90° right                                                                                                            |
| <b>Mechanical lifetime:</b> | 1 Mil. cycles of operation                                                                                           |
| <b>Operating force:</b>     | 5 N ... 8 N, depending on the number of switching elements                                                           |
| <b>Operating Travel:</b>    | ca. 90°                                                                                                              |
| <b>Tightening torque:</b>   | Fixing nut max. 0.25 Nm                                                                                              |
| <b>Weight:</b>              | 0.031 kg                                                                                                             |

## AMBIENT CONDITION

|                               |                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>IP front protection:</b>   | IP65, according to DIN EN 60529                                                                     |
| <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>Vibration resistance:</b>  | Max. 100 m / s <sup>2</sup> from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)                    |
| <b>Climate resistance:</b>    | Standard condition, as per DIN EN 60068-2-78<br>Standard cyclic, as per DIN IEC 60068-2-30          |

## CERTIFICATE

|                      |                                                                  |
|----------------------|------------------------------------------------------------------|
| <b>Approbations:</b> | CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE |
| <b>Conformities:</b> | CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)            |
| <b>REACH:</b>        | REACH compliant                                                  |
| <b>RoHS:</b>         | RoHS compliant                                                   |

## OTHER

|                           |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|
| <b>Short Description:</b> | Actuator, Round, Nature, Aluminium, anodised, 2 NC / 2 NO, Rest (a) - Maintained, |
|---------------------------|-----------------------------------------------------------------------------------|

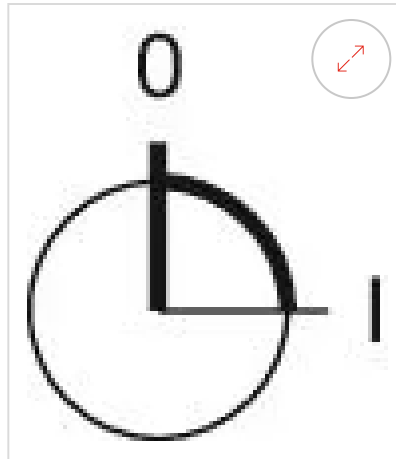
Soldering terminal, IP65, according to DIN EN 60529

**Housing colour:** Black

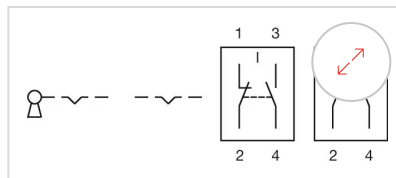
**Hints:** Lock numbers 1001, lock type KABA

**max. number of switching elements:** 2

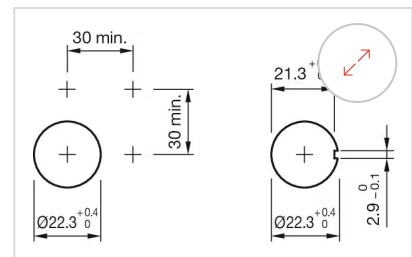
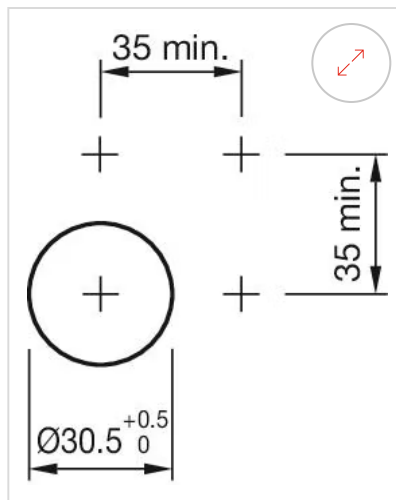
**Switching positions:**



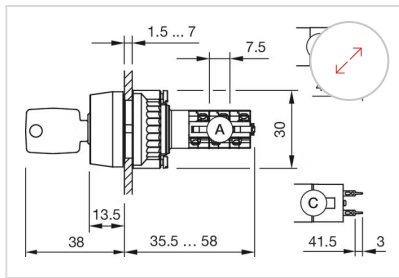
**Wiring diagrams:**



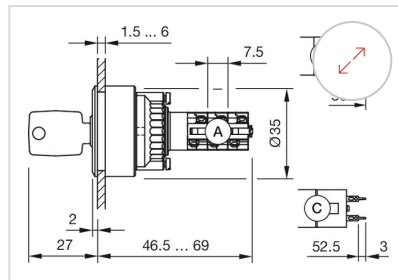
**Mounting cut-outs:**



**Dimension drawings:**



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



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