

# Actuator

14-  
238.025K2

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## 14-238.025K2 Actuator

### FRONT

**Front bezel material:** Aluminium

**Front bezel colour:** Nature

### ELECTRICAL CHARACTERISTICS

**Thermal current I<sub>th</sub>:** 5 A, according to EN / IEC 60947-5-1  
The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values.

**Contacts:** 4 NC / 4 NO

**Electric strength:** 3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1

**Electrical lifetime:** 50 000 cycles of operation

**Rated Operational Voltage U<sub>e</sub>:** 250 VAC/DC according to EN IEC 61058-1

**Protection class:** II

**Standards:** According to EN/IEC 61058-1

**Switching voltage and switching current:**  
250 VAC, 5 A (ohmic)  
250 VAC, 2 A (inductive,  $\cos(\phi) = 0.7$ )  
220 VDC, 0.1 A (inductive, L:R = 30 ms)  
110 VDC, 0.2 A (inductive, L:R = 30 ms)  
60 VDC, 0.7 A (inductive, L:R = 30 ms)  
24 VDC, 2 A (inductive, L:R = 30 ms)

### MECHANICAL CHARACTERISTIC

**Mechanical lifetime:** 1 Mio. cycles of operation

**Contact material:** Gold

**Operating force:** 5 N ... 8 N, depending on the number of switching elements

**Terminal:** Soldering terminal

**Switching action:** Rest (a) - Maintained

<b>Switching angle:</b>	90° right
<b>Tightening torque:</b>	Fixing nut max. 0.25 Nm
<b>Operating Travel:</b>	ca. 90°
<b>Switching positions:</b>	2 positions
<b>Switching system:</b>	Snap-action switching element
<b>Weight:</b>	0.035 kg
<b>Switching system:</b>	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.

### AMBIENT CONDITION

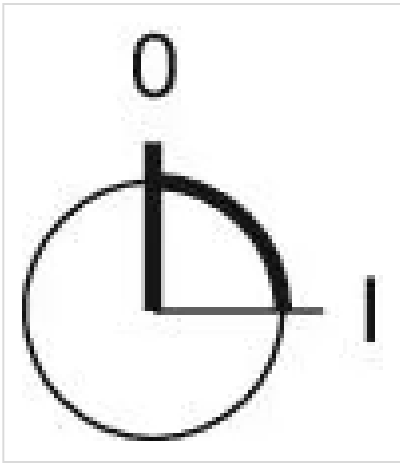
<b>Operating temperature:</b>	- 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
<b>IP front protection:</b>	IP65, according to DIN EN 60529
<b>Climate resistance:</b>	Standard condition, as per DIN EN 60068-2-78 Standard cyclic, as per DIN IEC 60068-2-30
<b>Shock resistance:</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>Storage temperature:</b>	- 40 °C ... + 85 °C

### CERTIFICATE

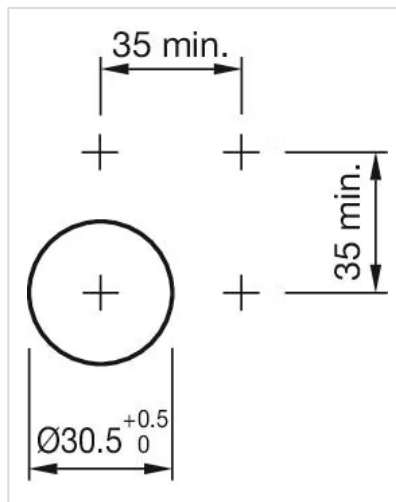
<b>Approbations:</b>	CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL
<b>Conformities:</b>	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

### OTHER

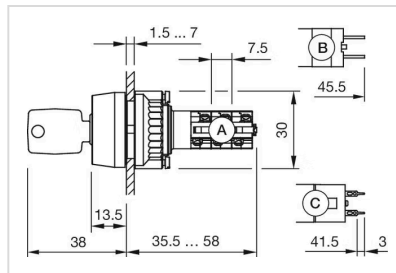
<b>max. number of switching elements:</b>	4
<b>Short Description:</b>	Actuator, Nature, Aluminium, anodised, 4 NC / 4 NO, Rest (a) - Maintained, Soldering terminal, IP65, according to DIN EN 60529
<b>Housing colour:</b>	Black
<b>Hints:</b>	Lock numbers 1001, lock type KABA
<b>Switching positions:</b>	



**Mounting cut-outs:**



**Dimension drawings:**



**Wiring diagrams:**

