

Actuator

14-
143.025K2

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Your product:



14-143.025K2 Actuator

FRONT

Front bezel material: Aluminium

Front bezel colour: Nature

ELECTRICAL CHARACTERISTICS

Thermal current I_{th}: 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.

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)

Contacts: 3 NC / 3 NO

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

Protection class: II

Standards: According to EN/IEC 61058-1

Rated Operational Voltage U_e: 250 VAC/DC according to EN IEC 61058-1

Electrical lifetime: 50 000 cycles of operation

MECHANICAL CHARACTERISTIC

Switching system: Snap-action switching element

Contact material: Gold

Operating force: 3 N ... 6 N, depending on the number of switching elements

Switching positions: 2 positions

Switching angle: 42° right

Mechanical lifetime:	2 Mio. cycles of operation
Weight:	0.033 kg
Tightening torque:	Fixing nut max. 0.25 Nm
Operating Travel:	ca. 42°
Terminal:	Soldering terminal
Switching system:	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.
Switching action:	Rest (a) - Momentary

AMBIENT CONDITION

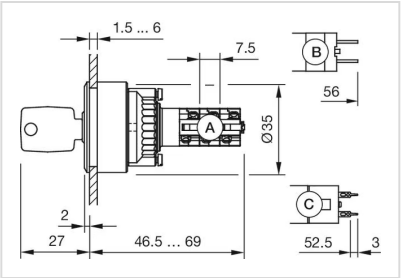
Storage temperature:	– 40 °C ... + 85 °C
Vibration resistance:	Max. 100 m / s ² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)
Shock resistance:	Max. 150 m / s ² , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
Operating temperature:	– 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
Climate resistance:	Standard condition, as per DIN EN 60068-2-78 Standard cyclic, as per DIN IEC 60068-2-30
IP front protection:	IP65, according to DIN EN 60529

CERTIFICATE

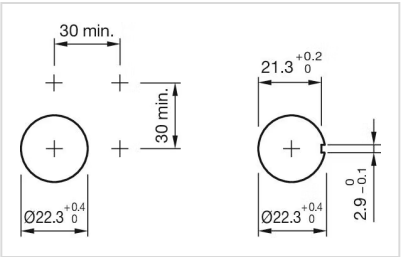
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
Approbations:	CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL

OTHER

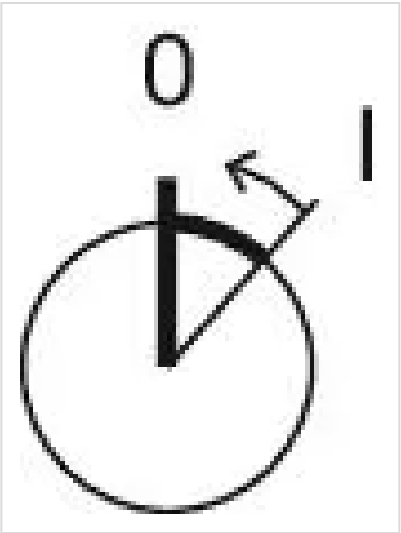
Housing colour:	Black
Hints:	Lock numbers 1001, lock type KABA
max. number of switching elements:	3
Short Description:	Actuator, Nature, Aluminium, anodised, 3 NC / 3 NO, Rest (a) - Momentary, Soldering terminal, IP65, according to DIN EN 60529
Dimension drawings:	



Mounting cut-outs:



Switching positions:



Wiring diagrams:

