Your Expert Partner for **Human Machine Interfaces**

Actuator

Distribution by
DigiKey

14-
437.036K

https://digikey.eao.com/p/14-437.036K

Your product:

14-437.036K
Actuator

FRONT

Front bezel material:	Aluminium
Front bezel colour:	Nature

ELECTRICAL CHARACTERISTICS

Contacts:	2 NO
Electric strength:	3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1
Protection class:	II
Switching voltage and switching current:	100 mA at 42 VAC/VDC

MECHANICAL CHARATERISTIC

Switching angle:	42° right
Operating force:	3 N ... 4 N, depending on the number of switching elements
Weight:	0.03 kg
Switching action:	Rest (a) - Momentary
Switching system:	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 µA/µV up to 100 mA/ 42 VAC/DC. Single-break momentary contact, as normally open or normally closed with 4 independent points of contact. 2 momentary contactsper switching element; combination of normally open and normally closed is possible. Special features are the long life, extremely short rebound time and stable contact resistance.
Switching system:	Low-level element
Mechanical lifetime:	5 Mio. cycles of operation
Switching positions:	2 positions
Contact material:	Gold

Tightening torque: Fixing nut max. 0.25 Nm

Terminal: Universal terminal, 2 x 0.5 mm

Wire cross section: Max. wire diameter 2 wires of 1 mm
Max. wire cross-section of stranded cable 2 x 0.75 mm^2

AMBIENT CONDITION

Storage temperature: – 40 °C ... + 85 °C

Operating temperature: – 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

Shock resistance: Max. 150 m / s^2, pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)

IP front protection: IP65, according to DIN EN 60529

CERTIFICATE

Conformities: 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

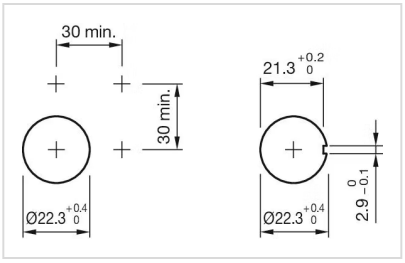
OTHER

Hints: Lock numbers 1001, lock type KABA

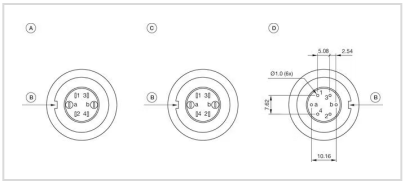
Housing colour: Black

Short Description: Actuator, Nature, Aluminium, anodised, 2 NO, Rest (a) - Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

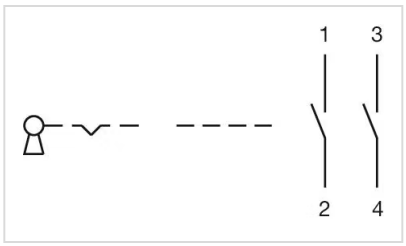
Mounting cut-outs:



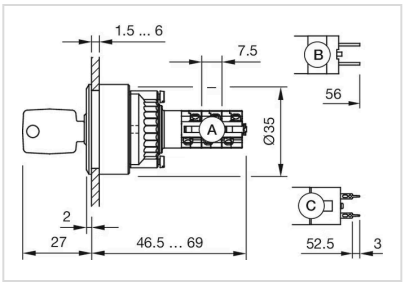
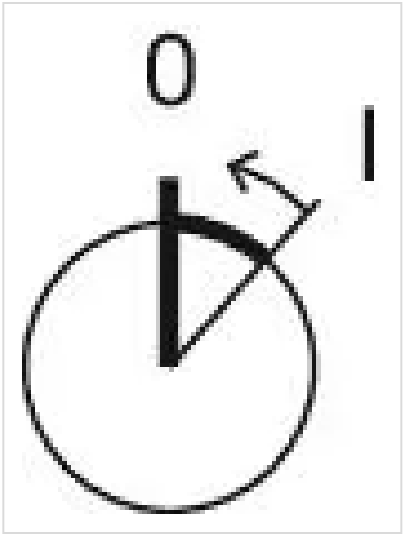
Component layouts:



Wiring diagrams:



Dimension drawings:



Switching positions: