

Actuator

14-
438.036K

Distribution by
DigiKey

DigiKey



<https://digikey.eao.com/p/14-438.036K>

Your product:



14-438.036K Actuator

FRONT

Front form:	Round
Front bezel colour:	Nature
Front bezel material:	Aluminium

MOUNTING

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

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:	100 mA at 42 VAC/VDC
Contacts:	1 NC / 1 NO
Switching rating:	42 V @ 0,1 A
Electric strength:	3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1
Protection class:	II

MECHANICAL CHARACTERISTICS

Terminal:	Universal terminal, 2 x 0.5 mm
Contact material:	Gold
Switching action:	Rest (a) - Momentary
Switching system:	Low-level element
Switching system:	<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 $\mu\text{A}/\mu\text{V}$ 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;</p>

combination of normally open and normally closed is possible.
Special features are the long life, extremely short rebound time and stable contact resistance.

Switching positions:	2 positions
Switching angle:	42° right
Mechanical lifetime:	5 Mil. cycles of operation
Operating force:	3 N ... 4 N, depending on the number of switching elements
Tightening torque:	Fixing nut max. 0.25 Nm
Terminal details 1:	The universal terminals permit these units to be mounted on printed circuit boards (PCB). These terminals can also be used as soldering or plug-in terminals. For these terminals we can also supply a plug-in base which, when soldered on to the board, enables the switch to be plugged in.
Wire cross section:	Max. wire diameter 2 wires of 1 mm Max. wire cross-section of stranded cable 2 x 0.75 mm ²
Weight:	0.03 kg

AMBIENT CONDITION

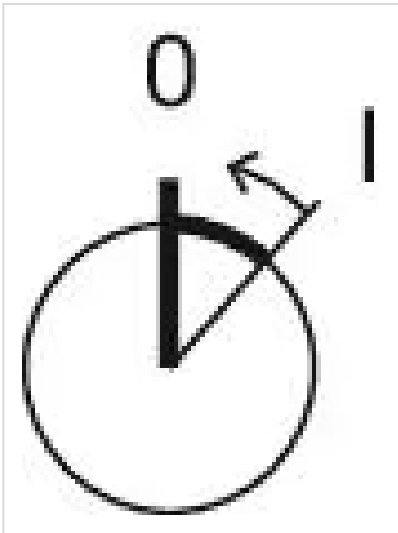
IP front protection:	IP65, according to DIN EN 60529
Operating temperature:	– 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
Storage temperature:	– 40 °C ... + 85 °C
Shock resistance:	Max. 150 m / s ² , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)

CERTIFICATE

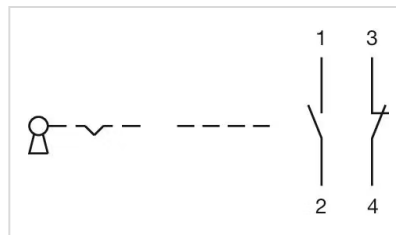
Conformities:	2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

OTHER

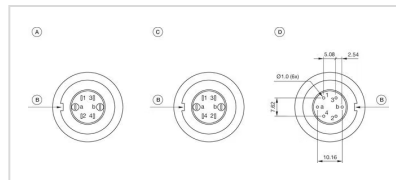
Short Description:	Actuator, Round, Nature, Aluminium, anodised, 1 NC / 1 NO, Rest (a) - Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529
Housing colour:	Black
Hints:	Lock numbers 1001, lock type KABA
Switching positions:	



Wiring diagrams:

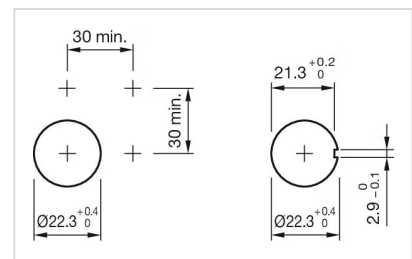
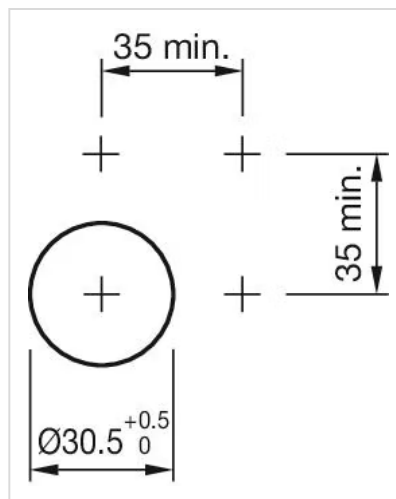


Component layouts:

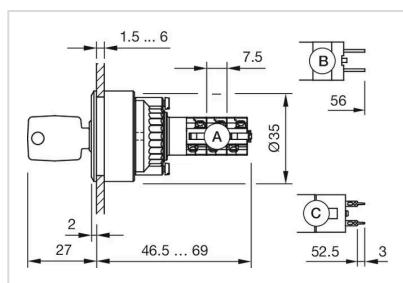


- A = Terminals (rear side)
- B = Anti twist device
- C = Diode block
- D = Drilling plan (component side)

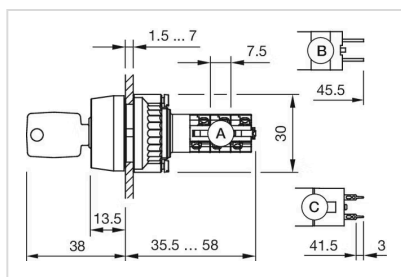
Mounting cut-outs:



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



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