

Actuator

14-

415.036K

Distribution by DigiKey









14-415.036K Actuator

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:

MECHANICAL CHARACTERISTICS

Terminal: Universal terminal, 2 x 0.5 mm

Contact material: Gold

Switching action: Rest (a) - Maintained

Switching system: Low-level element

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 $\mu A/\mu V$ 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 positions: 2 positions

Switching angle: 90° right

Mechanical lifetime: 1 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 mm²

Weight: 0.03 kg

AMBIENT CONDITION

IP front protection: IP65, according to DIN EN 60529

Operating temperature: - 25 °C, mounted as a block, make sure the heat can escape freely

Storage temperature: $-40 \, ^{\circ}\text{C} \dots + 85 \, ^{\circ}\text{C}$

Shock resistance: Max. 150 m / s², 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

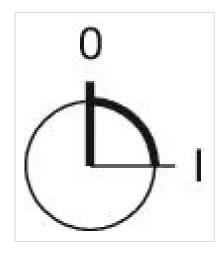
Short Description: Actuator, Round, Nature, Aluminium, anodised, 1 NC / 1 NO, Rest (a) - Maintained,

Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

Housing colour: Black

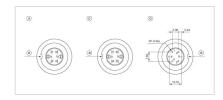
Hints: Lock numbers 1001, lock type KABA

Switching positions:



Wiring diagrams:

Component layouts:

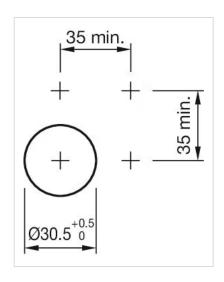


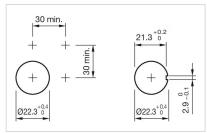
A = Terminals (rear side) B = Anti twist device

C = Diode block

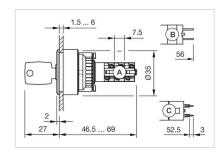
D = Drilling plan (component side)

Mounting cut-outs:

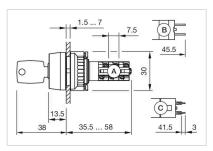




Dimension drawings:



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