

# Actuator

14-

135.022K

Distribution by DigiKey









## 14-135.022K Actuator

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Front form: Round

Front bezel colour: Nature

Front bezel material: Aluminium

#### **MOUNTING**

Mounting type: Panel mounting

#### **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching

current:

250 VAC, 3 A (Soldering terminal) 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)

250 VAC, 5 A (ohmic)

24 VDC, 2 A (inductive, L:R = 30 ms)

Contacts: 1 NC / 1 NO

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

Switching rating: 250 V AC @ 3 A

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

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

61058-1

Protection class:

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

**Thermal current Ith:**The maximum current in continuous operation and at ambient temperature not

exceeding the quoted maximum values.

3 A

#### **MECHANICAL CHARACTERISTICS**

**Terminal:** Plug-in terminal, 2.8 x 0.5 mm

Contact material: Gold

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

Switching system: Snap-action switching element

Switching system: Self-cleaning, double-break snap action switching system (contact opening width 2

mm x 0.5 mm), 1 normally closed and 1 normally open contact per element.

**Switching positions:** 2 positions

**Switching angle:** 90° right

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

**Operating force:** 5 N ... 8 N

**Operating Travel:** ca.  $42^{\circ}$ 

**Tightening torque:** Fixing nut max. 0.25 Nm

**Terminal details 1:** Snap-action switching element with axial soldering terminals, which can also be

used as plug-in terminals 2.8 x 0.5mm

**Weight:** 0.029 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 / s<sup>2</sup>, pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-

2-27

**Vibration resistance:** Max.  $100 \text{ m} / \text{s}^2 \text{ from } 10 \text{ Hz} \dots 500 \text{ Hz}$ , (sinusoidal EN IEC 60068-2-6)

Climate resistance: Standard condition, as per DIN EN 60068-2-78

Standard cyclic, as per DIN IEC 60068-2-30

### CERTIFICATE

Approbations: CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE

**C**E, UKCA, 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

(a), Plug-in terminal,  $2.8 \times 0.5$  mm, IP65, according to DIN EN 60529

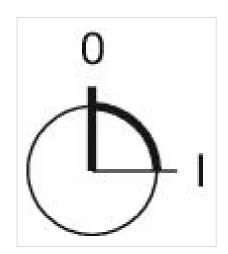
Housing colour: Black

Hints: Lock numbers 1001, lock type KABA

max. number of switching

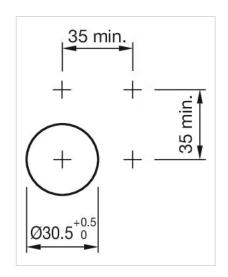
elements:

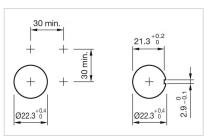
**Switching positions:** 



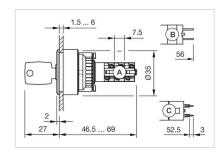
Wiring diagrams:

Mounting cut-outs:

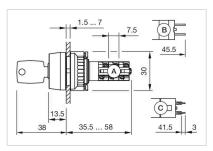




Dimension drawings:



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