

# Actuator

51-438.036DF Distribution by DigiKey









## 51-438.036DF Actuator

Front dimension: Ø 25 mm

**MOUNTING** 

Design: flush

#### **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching

current:

100 mA at 42 VAC/VDC

**Electrostatic discharge (ESD):** ≤ 15 kV

Contacts: 1 NC / 1 NO

Electric strength: 2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-

1, part 15

#### **MECHANICAL CHARATERISTIC**

Contact material: Gold

**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.

**Tightening torque:** Fixing nut max. 0.5 Nm

**Terminal:** Universal terminal, 2 x 0.5 mm

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

**Switching angle:** 42° right

Operating force:

1,8 ... 3,5 N

Switching action: Rest (a) - Momentary

Switching system: Low-level element

**Weight:** 0.016 kg

**Switching positions:** 2 positions

#### **AMBIENT CONDITION**

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

**IP front protection:** IP65, according to DIN EN 60529

**Shock resistance:** 15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts,

semi-sinusoidal)

#### **OTHER**

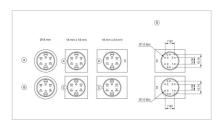
Short Description: Actuator, Ø 25 mm, 1 NC / 1 NO, Rest (a) - Momentary, Universal terminal, 2 x 0.5

mm, IP65, according to DIN EN 60529

Housing colour: Black

**Hints:** Standard lock: DOM 311

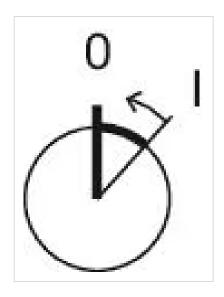
**Component layouts:** 



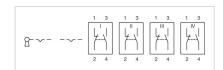
A = Universal terminal (rear side) B = Plug-in terminal (rear side)

C = Anti twist device D = Drilling plan

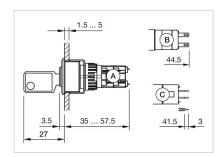
### **Switching positions:**



## Wiring diagrams:



## Dimension drawings:



A = Solder terminal

B = Solder terminal 2.8 mm x 0.5 mm

C = Universal terminal 2.0 mm x 0.5 mm

## Mounting cut-outs:

