

# Actuator

51-428.036D







## 51-428.036D Actuator

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Front dimension: 24 mm x 18 mm

Front form: Rectangular

**MOUNTING** 

Design: Raised

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

1, part 15

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

#### **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:** 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: 42° right

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

**Operating force:**  $1,8 \dots 3,5 \text{ N}$ 

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

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.

Weight: 0.02 kg

#### **AMBIENT CONDITION**

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

**Operating temperature:**  $-25 \, ^{\circ}\text{C} \, ... \, + 55 \, ^{\circ}\text{C}$ 

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

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

semi-sinusoidal)

#### CERTIFICATE

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

**REACH:** REACH compliant

RoHS: RoHS compliant

#### **OTHER**

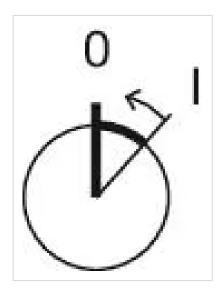
Short Description: Actuator, 24 mm x 18 mm, Rectangular, 1 NC / 1 NO, Rest (a) - Momentary,

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

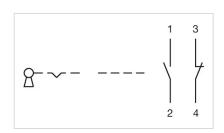
Housing colour: Black

Hints: Standard lock: DOM 311

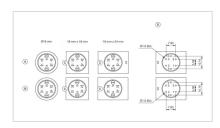
Switching positions:



## Wiring diagrams:

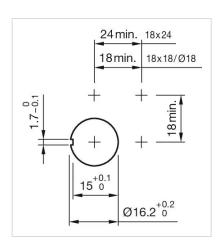


#### Component layouts:

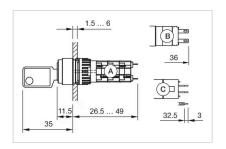


# A = Universal terminal (rear side) B = Plug-in terminal (rear side) C = Anti twist device D = Drilling plan

### Mounting cut-outs:



### Dimension drawings:



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