

# Actuator

52-436.036







## 52-436.036 Actuator

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Mounting type: Panel mounting

#### **OPERATING-/INDICATION PART**

Lever material: plastic

Lever shape: short

#### **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching

current:

100 mA at 42 VAC/VDC

Contacts: 1 NC

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

#### **MECHANICAL CHARACTERISTICS**

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

Contact material: Gold

**Switching action:** Rest - 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:** 5 Mil. cycles of operation

Operating force: 1,8 ... 3,5 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

the board, enables the switch to be plugged in.

**Weight:** 0.007 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**

**REACH:** REACH compliant

RoHS: RoHS compliant

#### **OTHER**

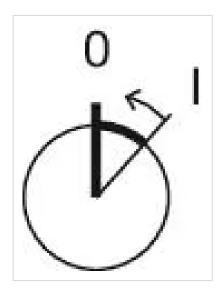
Short Description: Actuator, optional illuminative, short, 1 NC, Rest - Momentary, Universal terminal, 2

x 0.5 mm, IP65, according to DIN EN 60529

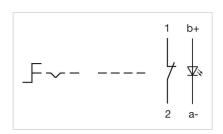
Housing colour: Black

Hints: Illuminative

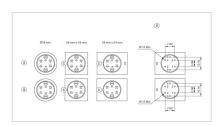
**Switching positions:** 



## Wiring diagrams:

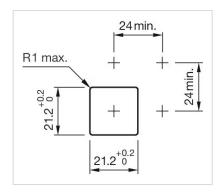


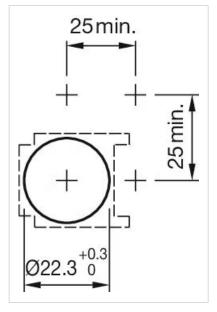
## Component layouts:

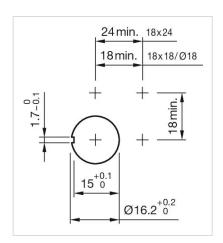


A = Universal terminal (rear side)
B = Plug-in terminal (rear side)
C = Anti twist device
D = Drilling plan

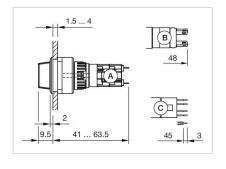
## Mounting cut-outs:







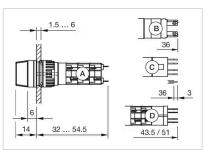
### Dimension drawings:



A = Solder terminal

B = Solder terminal 2.8 mm 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

D = Universal-Solder terminal