

# Actuator

52-  
436.036

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Mouser



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## 52-436.036 Actuator

### MOUNTING

**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 contacts per 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 °C ... + 55 °C

**Storage temperature:** - 40 °C ... + 85 °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

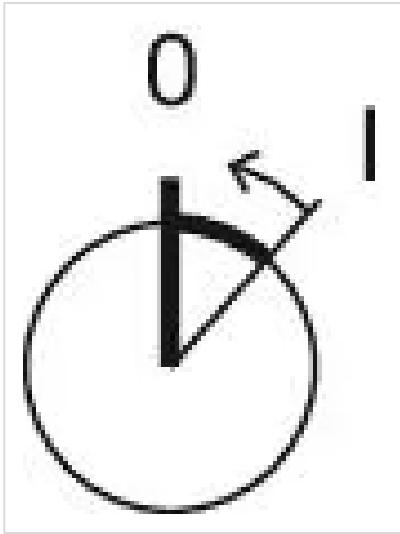
## OTHER

**Short Description:** Actuator, optional illuminative, short, 1 NC, Rest - Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

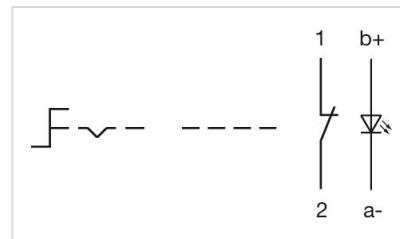
**Housing colour:** Black

**Hints:** Illuminative

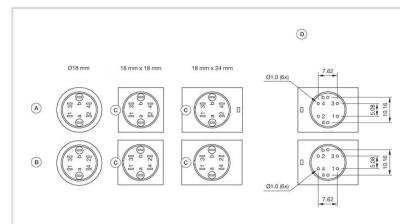
**Switching positions:**



**Wiring diagrams:**

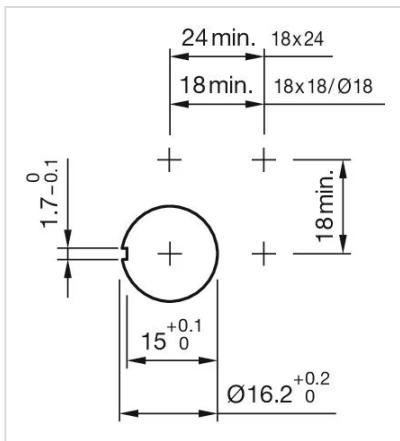
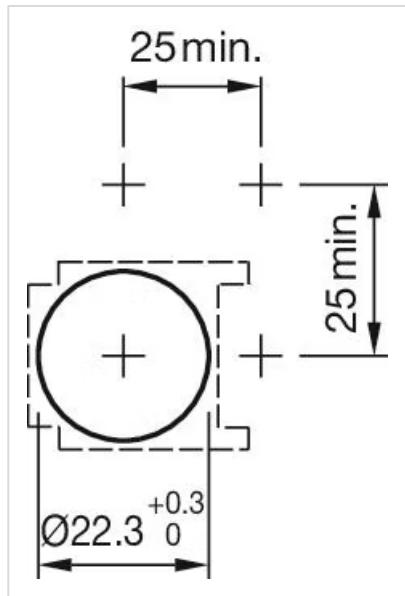
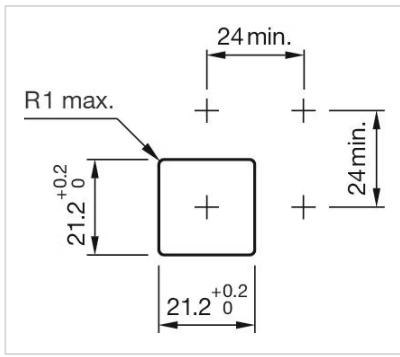


**Component layouts:**

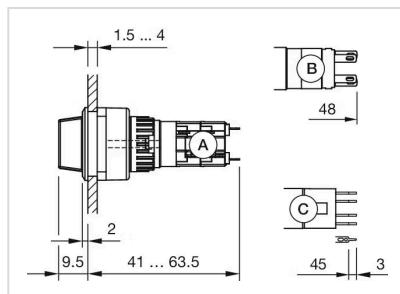


A = Universal terminal (rear side)  
 B = Plug-in terminal (rear side)  
 C = Anti twist device  
 D = Drilling plan

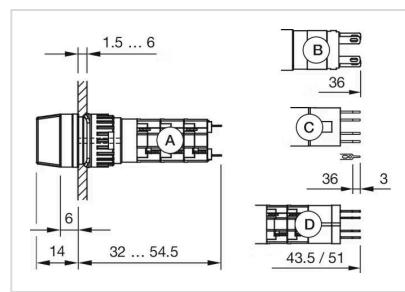
**Mounting cut-outs:**



#### 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