

# Actuator

51-  
422.036

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## 51-422.036 Actuator

### FRONT

Front dimension:	24 mm x 18 mm
Front form:	Rectangular
Front bezel colour:	Black
Front bezel material:	Plastic

### MOUNTING

Design:	Raised
Mounting type:	Panel mounting

### OPERATING-/INDICATION PART

Lens illumination:	Illuminated
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### ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:	100 mA at 42 VAC/VDC
Contacts:	2 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:	

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  $\mu\text{A}/\mu\text{V}$  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.

**Mechanical lifetime:** 5 Mil. cycles of operation

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

**Operating Travel:** 3 mm

**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, mounted as a block, make sure the heat can escape freely

**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, 24 mm x 18 mm, Illuminated, Rectangular, Black, Plastic, 2 NC, Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

**Internal size:** 21,5 mm x 15,3 mm

**Housing colour:** Black

**Wiring diagrams:**

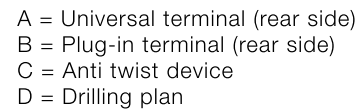


Figure 1 shows two technical drawings of a hole and a hole with a hole. The left drawing shows a hole with a diameter of 16.2 (+0.2/0) and a hole with a diameter of 18. The right drawing shows a hole with a diameter of 16.2 (+0.2/0) and a hole with a diameter of 18, with a hole in the hole.

Technical drawing of a 100mm diameter roller bearing. The main view shows the bearing with dimensions: 1.5 ... 6 (width of the outer ring), 10.5 (width of the inner ring), and 28 ... 50.5 (total length). The bearing is labeled with 'A' in the center, 'B' on the outer ring, 'C' on the inner ring, and 'D' on the cage. The side view shows the bearing with dimensions: 36 (width of the outer ring), 32 (width of the inner ring), and 43.5 / 51 (total length). The bearing is shown in a cross-section view.

- 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