

# Actuator

51-  
431.036



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Your product:

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## 51-431.036 Actuator

### FRONT

<b>Front dimension:</b>	Ø 18 mm
<b>Front form:</b>	round
<b>Front bezel colour:</b>	Black
<b>Front bezel material:</b>	Plastic

### MOUNTING

<b>Design:</b>	raised
<b>Mounting type:</b>	Panel mounting

### OPERATING-/INDICATION PART

<b>Lens illumination:</b>	illuminative
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### ELECTRICAL CHARACTERISTICS

<b>Contacts:</b>	2 NO
<b>Switching voltage and switching current:</b>	100 mA at 42 VAC/VDC
<b>Switching rating:</b>	42 V @ 0,1 A
<b>Electric strength:</b>	2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

### MECHANICAL CHARACTERISTIC

<b>Terminal:</b>	Universal terminal, 2 x 0.5 mm
<b>Contact material:</b>	Gold
<b>Switching action:</b>	

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 Mio. cycles of operation

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

**Operating Travel:** 3 mm

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

**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,  $\varnothing$  18 mm, illuminative, round, Black, Plastic, 2 NO, Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

**Internal size:**  $\varnothing$  15,8 mm

**Housing colour:** Black

**Wiring diagrams:**

