

# Actuator

51-  
423.036

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## 51-423.036 Actuator

### FRONT

<b>Front dimension:</b>	24 mm x 18 mm
<b>Front form:</b>	Rectangular
<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>	Illuminated
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### ELECTRICAL CHARACTERISTICS

<b>Switching voltage and switching current:</b>	100 mA at 42 VAC/VDC
<b>Contacts:</b>	1 NC / 1 NO
<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 CHARACTERISTICS

<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  $\mu$ 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.

**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:**

0.008 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, 1 NC / 1 NO, Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

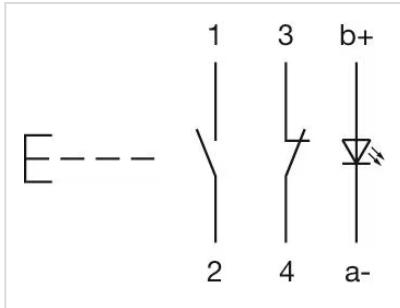
**Internal size:**

21,5 mm x 15,3 mm

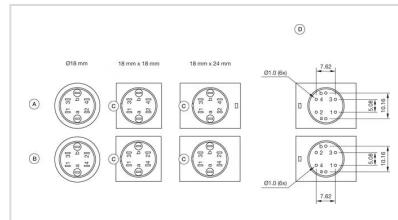
**Housing colour:**

Black

**Wiring diagrams:**

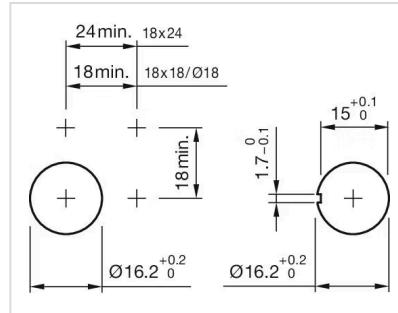


#### Component layouts:

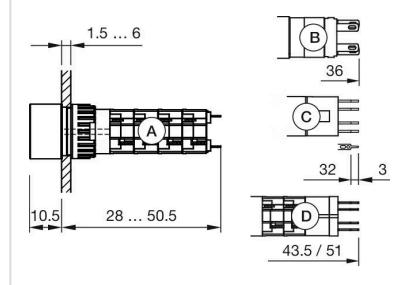


A = Universal terminal (rear side)  
 B = Plug-in terminal (rear side)  
 C = Anti twist device  
 D = Drilling plan

#### 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  
 D = Universal-Solder terminal