

# Actuator

19-  
431.035



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Your product:

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## 19-431.035 Actuator

### FRONT

<b>Front dimension:</b>	Ø 9 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 cut-out:</b>	Ø 8 mm
<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 NO
<b>Switching rating:</b>	50 V @ 0,1 A
<b>Electric strength:</b>	2500 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and earth

### MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	Plug-in terminal, 2 x 0.5 mm
<b>Contact material:</b>	

Gold

**Switching action:**

Momentary

**Switching system:**

Low-level element

**Switching system:**

This low-level switching element was developed for low switching voltages and currents.

Single-break momentary contact, as normally open or normally closed with 4 independent points of contact.

**Mechanical lifetime:**

5 Mil. cycles of operation

**Operating force:**

1.8 N  $\pm$ 0.3 N

**Operating Travel:**

ca. 2.8 mm  $\pm$  0.2 mm

**Tightening torque:**

Fixing nut max. 0.2 Nm

**Wire cross section:**

Max. wire diameter 2 wires  $\geq$  0.8 mm

Max. wire cross-section of stranded cable 1 x 0.75 mm<sup>2</sup>

**Weight:**

0.002 kg

## AMBIENT CONDITION

**IP Protection:**

IP40 front side, according to DIN EN 60529

**Operating temperature:**

– 25 °C ... + 45 °C with filament lamp, – 25 °C ... + 65 °C with LED, – 25 °C ... + 65 °C without illumination, mounted as a block, make sure the heat can escape freely

**Storage temperature:**

– 40 °C ... + 85 °C

**Shock resistance:**

15 g for 11 ms, as per DIN/EN 60512-4-3, IEC 60068-2-27 (Single impacts, semi-sinusoidal)

## CERTIFICATE

**Conformities:**

2011 / 65 / EC (RoHS)

**REACH:**

REACH compliant

**RoHS:**

RoHS compliant

## OTHER

**Short Description:**

Actuator, Ø 8 mm, Ø 9 mm, Illuminated, Round, Black, Plastic, 1 NO, Momentary, Plug-in terminal, 2 x 0.5 mm

**Internal size:**

Ø 7,3 mm

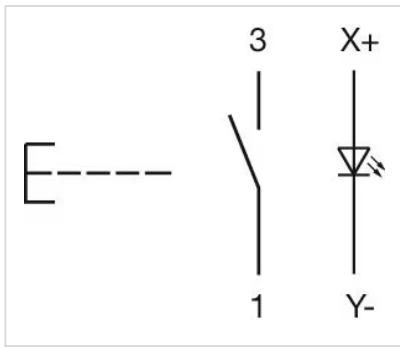
**Housing colour:**

Black

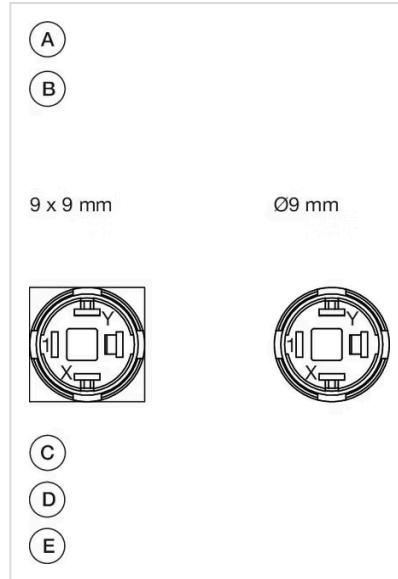
**Housing material:**

Plastic

**Wiring diagrams:**

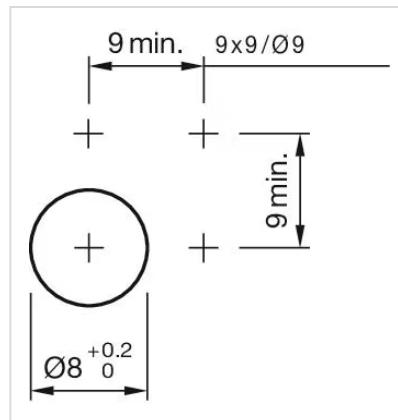


**Component layouts:**



A = Terminals (rear side)  
 B = Illuminated pushbutton  
 C = x = Contact No.  
 D = 2 = Normally open  
 E = 4 = Normally close

**Mounting cut-outs:**



**Dimension drawings:**

