

# Actuator

51-  
475.036



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Your product:

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## 51-475.036 Actuator

### FRONT

Front dimension:	Ø 18 mm
Front form:	Round
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:	1 NO
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:	

Maintained

**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:** 1 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

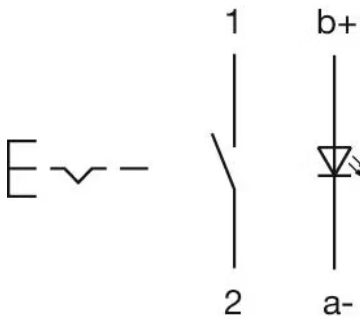
## OTHER

**Short Description:** Actuator, Ø 18 mm, Illuminated, Round, Black, Plastic, 1 NO, Maintained, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

**Internal size:** Ø 15,8 mm

**Housing colour:** Black

**Wiring diagrams:**



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

Technical drawing of a shaft-hub assembly. The drawing includes the following dimensions and tolerances:

- Shaft diameter:  $\varnothing 16.2^{+0.2}_0$
- Hub inner diameter:  $\varnothing 16.2^{+0.2}_0$
- Hub outer diameter:  $18^{+0.1}_0$
- Hub thickness:  $1.7^{0}_{-0.1}$
- Shaft length:  $24 \text{ min.}$
- Hub length:  $18 \text{ min.}$
- Shaft diameter tolerance:  $18 \times 24$
- Hub diameter tolerance:  $18 \times 18 / \varnothing 18$
- Hub thickness tolerance:  $18 \text{ min.}$

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

