

Actuator

51-
452.036

Distribution by
Mouser



Your product:



51-452.036 Actuator

Loading ...

FRONT

| | |
|------------------------------|---------------|
| Front dimension: | 18 mm x 18 mm |
| Front form: | Square |
| Front bezel colour: | Black |
| Front bezel material: | Plastic |

MOUNTING

| | |
|-----------------------|----------------|
| Design: | Raised |
| Mounting type: | Panel mounting |

OPERATING-/INDICATION PART

| | |
|---------------------------|-------------|
| Lens illumination: | Illuminated |
|---------------------------|-------------|

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

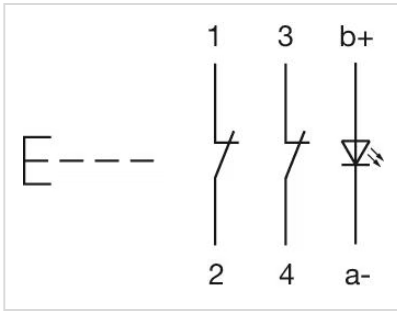
OTHER

Short Description: Actuator, 18 mm x 18 mm, Illuminated, Square, Black, Plastic, 2 NC, Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

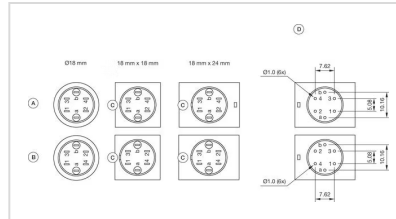
Internal size: 15,3 mm x 15,3 mm

Housing colour: Black

Wiring diagrams:

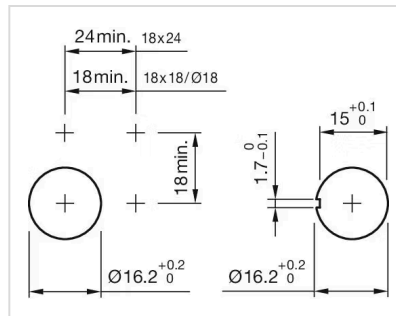


Component layouts:

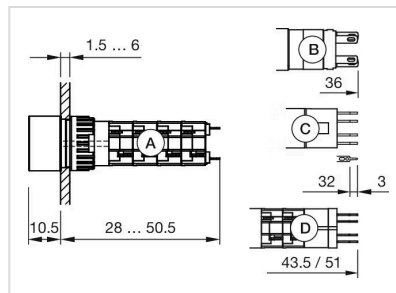


- A = Universal terminal (rear side)
- B = Plug-in terminal (rear side)
- C = Anti twist device
- D = Drilling plan

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