

Actuator

51-431.036 Distribution by DigiKey







Your product:



51-431.036 Actuator

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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

ELECTRICAL CHARACTERISTICS

Switching voltage and switching

current:

100 mA at 42 VAC/VDC

Contacts: 2 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:

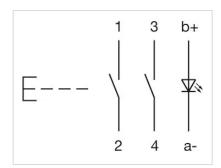
Momentary

Housing colour:

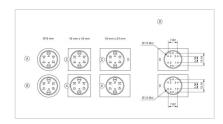
Wiring diagrams:

Switching system: Low-level element This low-level switching element was designed for switching low powers in Switching system: electronic circuits. The mechanism assures reliable switching of loads ranging from a few µA/µV 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 contactsper 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 15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts, Shock resistance: semi-sinusoidal) **CERTIFICATE REACH:** REACH compliant RoHS: RoHS compliant **OTHER Short Description:** Actuator, Ø 18 mm, Illuminated, Round, Black, Plastic, 2 NO, Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529 Internal size: Ø 15,8 mm

Black



Component layouts:



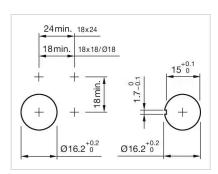
A = Universal terminal (rear side)

B = Plug-in terminal (rear side)

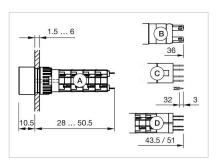
C = Anti twist device

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