

Actuator

51-
451.036

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Your product:



51-451.036 Actuator

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
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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

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 μ A/ μ 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

Storage temperature:

- 40 °C ... + 85 °C

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 NO, Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

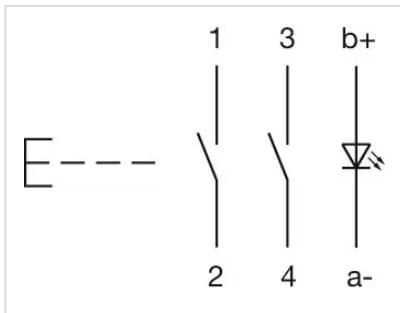
Internal size:

15,3 mm x 15,3 mm

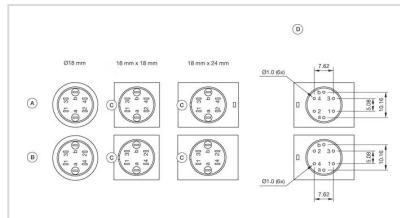
Housing colour:

Black

Wiring diagrams:

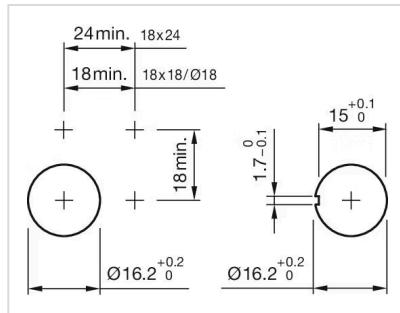


Component layouts:

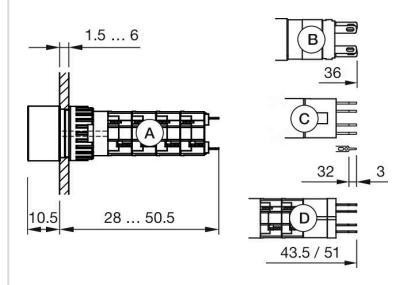


A = Universal terminal (rear side)
 B = Plug-in terminal (rear side)
 C = Anti twist device
 D = Drilling plan

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