

Actuator

51-
471.036

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Your product:



51-471.036 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:	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 CHARACTERISTIC

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

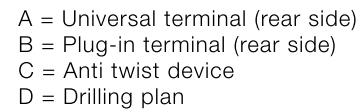
OTHER

Short Description: Actuator, Ø 18 mm, Illuminated, Round, Black, Plastic, 2 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:



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: $\varnothing 18^{+0.1}_0$
- Shaft length: 24 min.
- Hub length: 18 min.
- Hub bore length: 18 min.
- Shaft diameter tolerance: $\varnothing 16.2^{+0.2}_0$
- Hub bore diameter tolerance: $\varnothing 18^{+0.1}_0$
- Shaft diameter tolerance: $\varnothing 16.2^{+0.2}_0$
- Hub bore diameter tolerance: $\varnothing 18^{+0.1}_0$
- Shaft diameter tolerance: $\varnothing 16.2^{+0.2}_0$
- Hub bore diameter tolerance: $\varnothing 18^{+0.1}_0$

Technical drawing of a roller bearing with a diameter of 100 mm. The main view shows the bearing with dimensions: 1.5 ... 6 mm for the inner ring thickness, 10.5 mm for the outer ring thickness, and 28 ... 50.5 mm for the bearing width. The bearing is labeled with 'A' in the center, 'B' on the inner ring, and 'C' on the outer ring. Two cross-sections are shown: one with dimensions 36 mm and 32 mm, and another with dimensions 43.5 / 51 mm.

- 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