

Actuator

51-
431.036



<https://eao.com/p/51-431.036>

Your product:



51-431.036 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:	illuminative
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ELECTRICAL CHARACTERISTICS

Contacts:	2 NO
Switching voltage and switching current:	100 mA at 42 VAC/VDC
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:	

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 Mio. cycles of operation

Operating force: 1,8 ... 3,5 N

Operating Travel: 3 mm

Tightening torque: Fixing nut max. 0.5 Nm

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

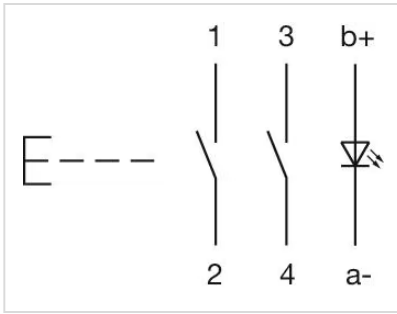
OTHER

Short Description: Actuator, Ø 18 mm, illuminative, round, Black, Plastic, 2 NO, Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

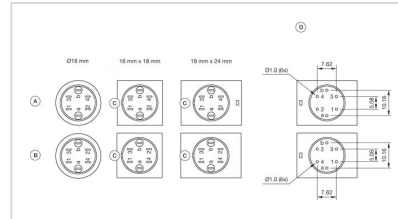
Internal size: Ø 15,8 mm

Housing colour: Black

Wiring diagrams:

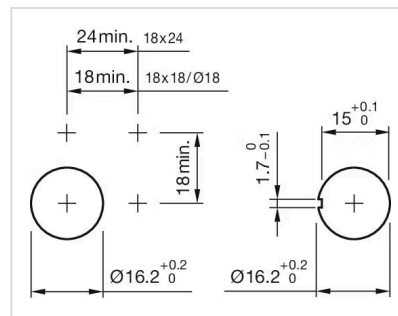


Component layouts:

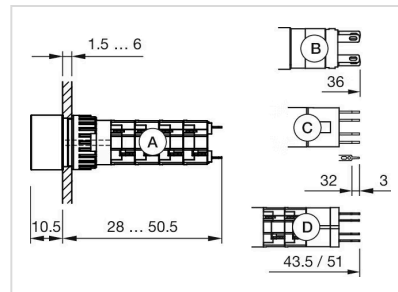


- A = Universal terminal (rear side)
- B = Plug-in terminal (rear side)
- C = Anti twist device
- D = Drilling plan

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

Where to Buy

Distributor		Quantity in Stock		
	Digi-Key	10 in stock	Buy	
	Mouser Electronics	3 in stock	Buy	
	Newark Electronics	0 in stock	Buy	
	RS Americas	0 in stock	Buy	
	Sager	0 in stock	Buy	

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