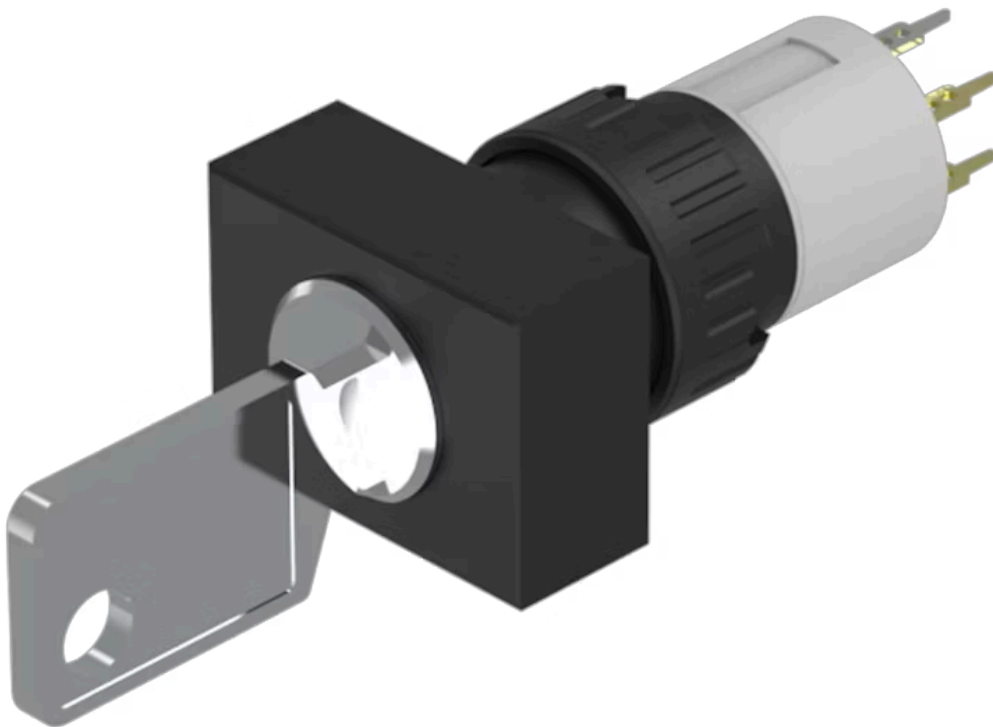


Actuator

51-
402.036DF



<https://www.eao.com/component/51-402.036DF/en...>

Your product:



51-402.036DF Actuator

FRONT

Front dimension: 24 mm x 18 mm

Front form: Rectangular

MOUNTING

Design: Flush

Mounting cut-out: 21 mm x 27 mm

Mounting type: Panel mounting

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current: 100 mA at 42 VAC/VDC

Contacts: 1 NC / 1 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

Electrostatic discharge (ESD): ≤ 15 kV

Standards: According to EN/IEC 61058-1

MECHANICAL CHARACTERISTICS

Terminal: Universal terminal, 2 x 0.5 mm

Contact material: Gold

Switching action: Rest (a) - Maintained (a)

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.

Switching positions: 2 positions

Switching angle: 90° right

Mechanical lifetime: 50 000 cycles of operation

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

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: 0.018 kg

AMBIENT CONDITION

IP front protection: IP65, according to DIN EN 60529

Operating temperature: - 25 °C ... + 55 °C

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, 21 mm x 27 mm, 24 mm x 18 mm, Rectangular, 1 NC / 1 NO, Rest (a) - Maintained (a), Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

Housing colour: Black

Hints: Standard lock: DOM 311

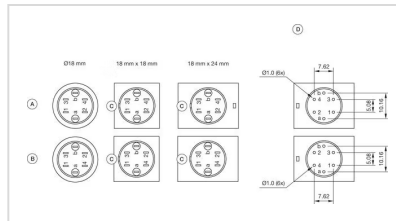
Switching positions:



Wiring diagrams:

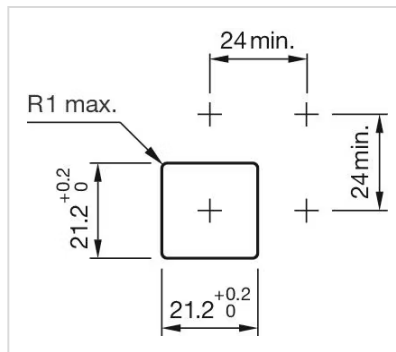


Component layouts:

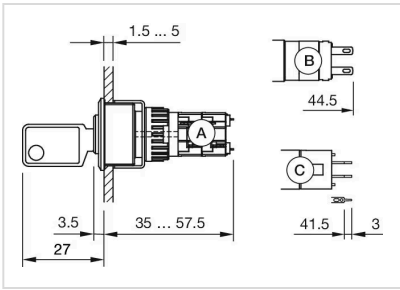


- A = Universal terminal (rear side)
- B = Plug-in terminal (rear side)
- C = Anti twist device
- D = Drilling plan

Mounting cut-outs:



Dimension drawings:



A = Solder terminal

B = Solder terminal 2.8 mm x 0.5 mm

C = Universal terminal 2.0 mm x 0.5 mm