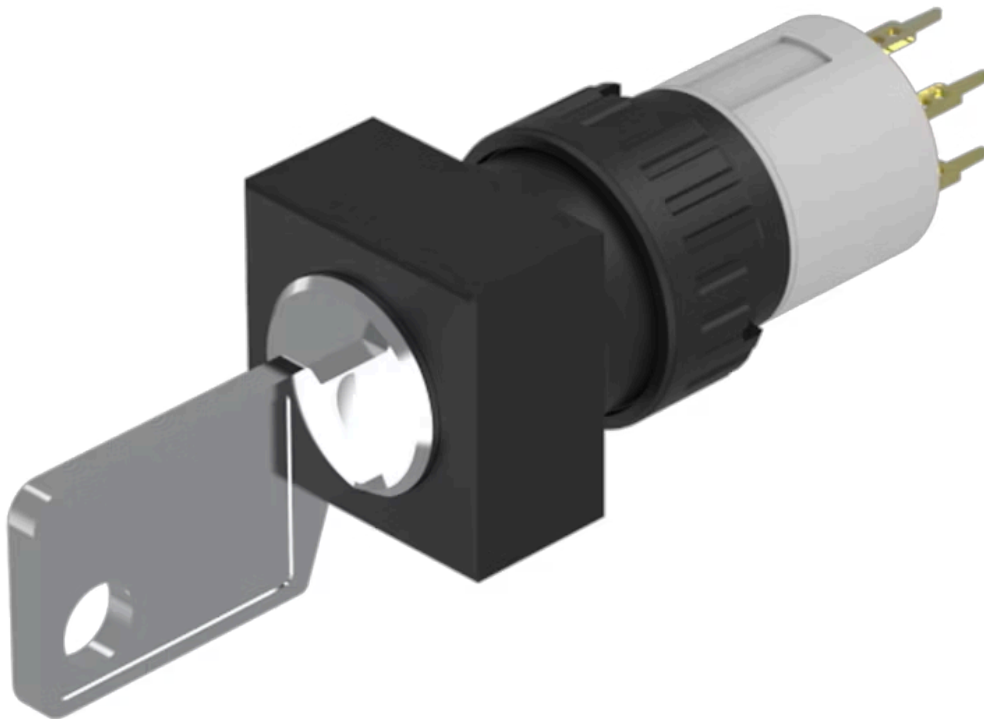


Actuator

51-
457.036DF

Distribution by
DigiKey

DigiKey



<https://digikey.eao.com/p/51-457.036DF>

Your product:



51-457.036DF Actuator

FRONT

Front dimension: 18 mm x 18 mm

MOUNTING

Mounting cut-out: 21 mm x 21 mm

Design: flush

ELECTRICAL CHARACTERISTICS

Contacts: 2 NO

Electric strength: 2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

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

Electrostatic discharge (ESD): ≤ 15 kV

MECHANICAL CHARACTERISTIC

Switching action: Rest (a) - Momentary

Tightening torque: Fixing nut max. 0.5 Nm

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

Terminal: Universal terminal, 2 x 0.5 mm

Switching angle: 42° right

Weight: 0.016 kg

Contact material: Gold

Switching system: Low-level element

Mechanical lifetime: 50 000 cycles of operation

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

AMBIENT CONDITION

IP front protection:

IP65, according to DIN EN 60529

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)

OTHER

Housing colour:

Black

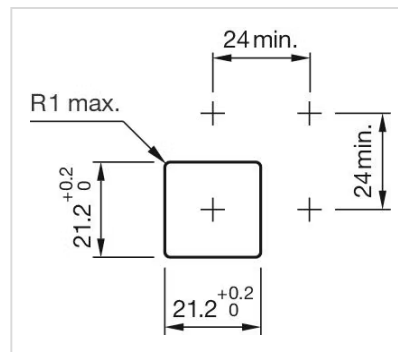
Hints:

Standard lock: DOM 311

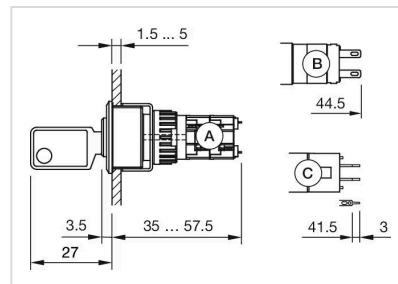
Short Description:

Actuator, 21 mm x 21 mm, 18 mm x 18 mm, 2 NO, Rest (a) - Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

Mounting cut-outs:

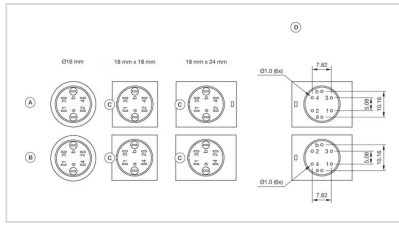


Dimension drawings:



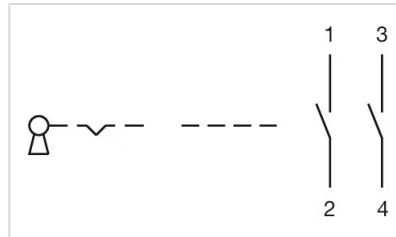
- A = Solder terminal
- B = Solder terminal 2.8 mm x 0.5 mm
- C = Universal terminal 2.0 mm x 0.5 mm

Component layouts:



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

Wiring diagrams:



Switching positions:

