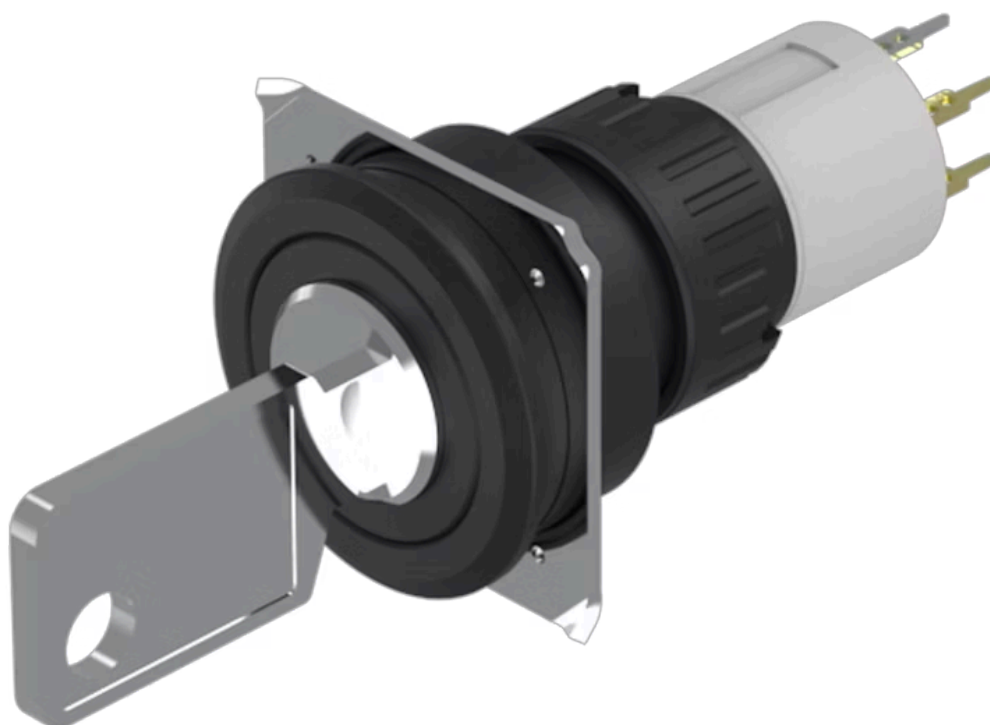


Actuator

51-
437.036DF



<https://eao.com/p/51-437.036DF>

Your product:



51-437.036DF Actuator

FRONT

Front dimension: Ø 25 mm

MOUNTING

Design: flush

ELECTRICAL CHARACTERISTICS

Electrostatic discharge (ESD): ≤ 15 kV

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

Contacts: 2 NO

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

MECHANICAL CHARACTERISTIC

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 angle: 42° right

Mechanical lifetime: 50 000 cycles of operation

Weight: 0.016 kg

Switching action: Rest (a) - Momentary

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

Switching positions:

2 positions

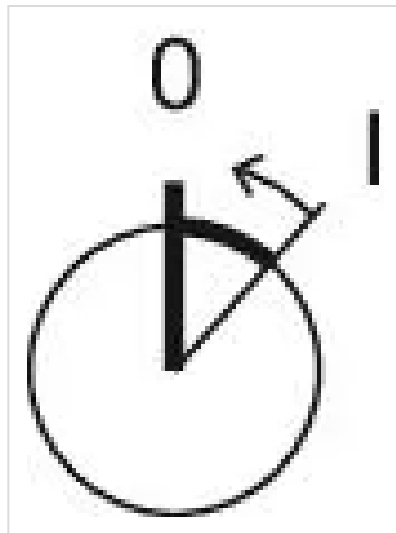
Contact material:	Gold
Tightening torque:	Fixing nut max. 0.5 Nm
Terminal:	Universal terminal, 2 x 0.5 mm
Switching system:	Low-level element

AMBIENT CONDITION

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)
IP front protection:	IP65, according to DIN EN 60529

OTHER

Hints:	Standard lock: DOM 311
Housing colour:	Black
Short Description:	Actuator, Ø 25 mm, 2 NO, Rest (a) - Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529
Switching positions:	



Dimension drawings:

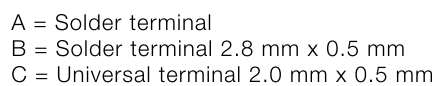


Figure 1 illustrates the dimensions of the test specimens. The specimens are categorized into two groups based on their dimensions: 18 mm and 18 mm x 24 mm. The 18 mm specimens (A, C, E) have a central hole with a diameter of 7.62 mm. The 18 mm x 24 mm specimens (B, D, F) also have a central hole with a diameter of 7.62 mm. The cross-sectional views (D and E) show the internal structure of the specimens, including the central hole and the wall thickness.

Technical drawing showing a hole and shaft with minimum clearance dimensions. The hole diameter is $\varnothing 22.3^{+0.3}_0$. The shaft diameter is $\varnothing 22.3^{+0.3}_0$. The minimum clearance is indicated as 25 min. in both horizontal and vertical directions.