

Actuator

51-
428.036D



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Your product:



51-428.036D Actuator

FRONT

Front dimension: 24 mm x 18 mm

Front form: Rectangular

MOUNTING

Design: Raised

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): $\leq 15 \text{ KV}$

MECHANICAL CHARACTERISTICS

Terminal: Universal terminal, 2 x 0.5 mm

Contact material: Gold

Switching action: Rest (a) - 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.

| | |
|-----------------------------|--|
| Switching positions: | 2 positions |
| Switching angle: | 42° 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: | 0.02 kg |

AMBIENT CONDITION

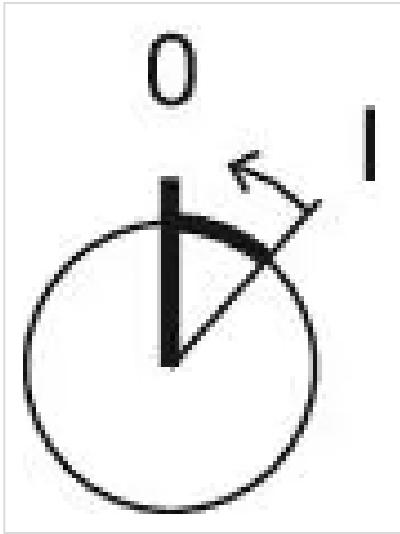
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|-------------------------------|--|
| IP front protection: | IP65, according to DIN EN 60529 |
| Operating temperature: | - 25 °C ... + 55 °C |
| Storage temperature: | - 40 °C ... + 85 °C |
| Shock resistance: | 15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal) |

CERTIFICATE

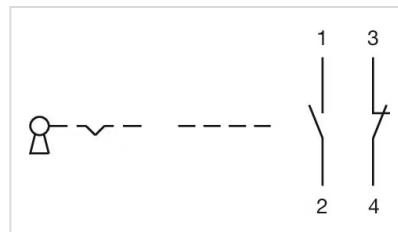
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| Approbations: | CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL |
| REACH: | REACH compliant |
| RoHS: | RoHS compliant |

OTHER

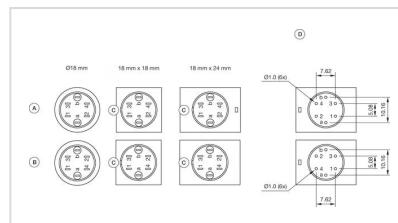
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|-----------------------------|--|
| Short Description: | Actuator, 24 mm x 18 mm, Rectangular, 1 NC / 1 NO, Rest (a) - Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529 |
| Housing colour: | Black |
| Hints: | Standard lock: DOM 311 |
| Switching positions: | |



Wiring diagrams:

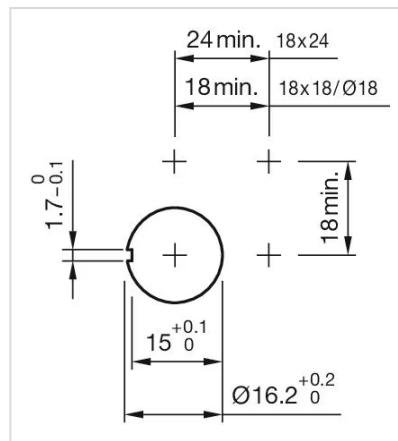


Component layouts:

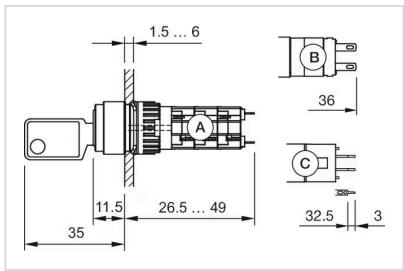


A = Universal terminal (rear side)
 B = Plug-in terminal (rear side)
 C = Anti twist device
 D = Drilling plan

Mounting cut-outs:



Dimension drawings:



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