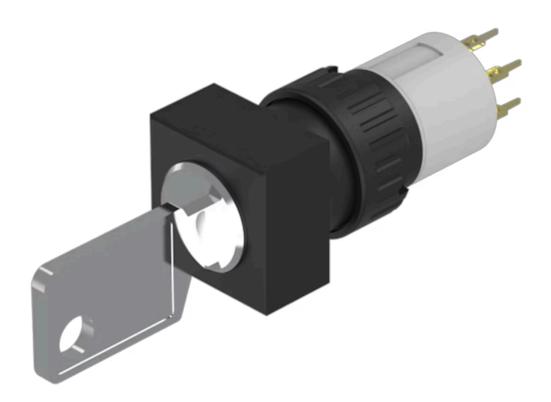


Actuator

51-

448.036DF









51-448.036DF Actuator

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Front dimension: 18 mm x 18 mm

Front form: Square

MOUNTING

Design: Flush

Mounting cut-out: 21 mm x 21 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: $42 \lor @ 0,1 A$

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 - 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 $\mu A/\mu V$ 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 contactsper 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: $1,8 \dots 3,5 \text{ N}$

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: $-25 \, ^{\circ}\text{C} \, ... \, + \, 55 \, ^{\circ}\text{C}$

Storage temperature: $-40 \, ^{\circ}\text{C} \dots + 85 \, ^{\circ}\text{C}$

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

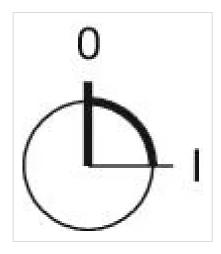
Short Description: Actuator, 21 mm x 21 mm, 18 mm x 18 mm, Square, 1 NC / 1 NO, Rest -

Maintained (a), Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

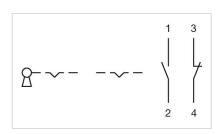
Housing colour: Black

Hints: Standard lock: DOM 311

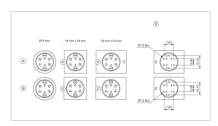
Switching positions:



Wiring diagrams:



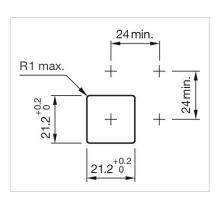
Component layouts:



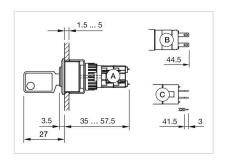
A = Universal terminal (rear side)
B = Plug-in terminal (rear side)
C = Anti twist device

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