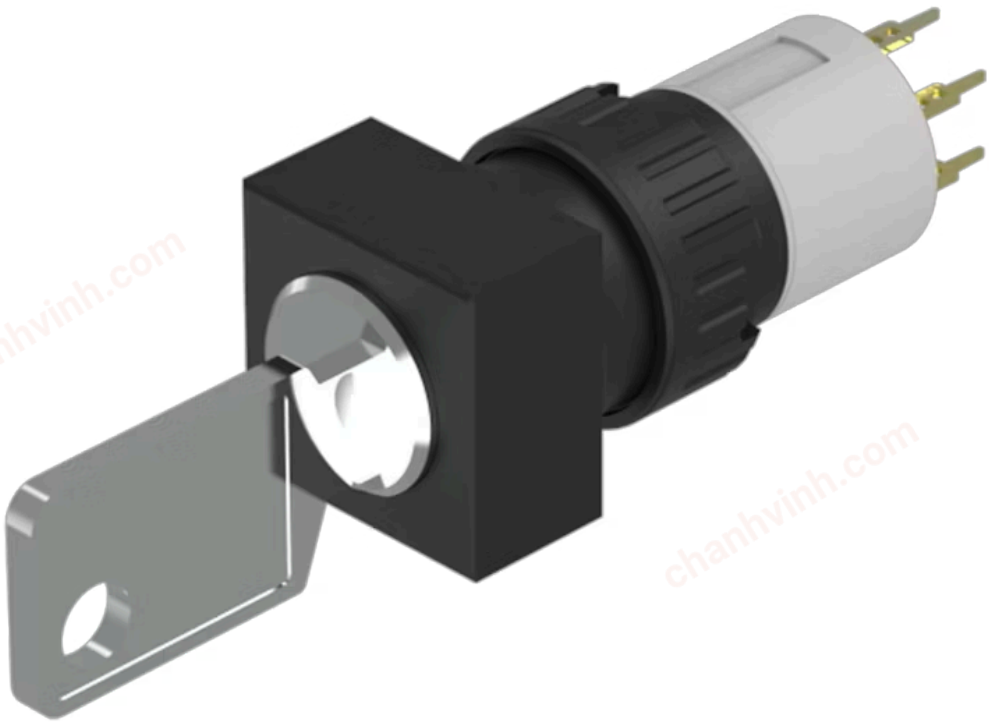
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Your Expert Partner for **Human Machine Interfaces**

# Actuator

Distribution by
Rs-online

51-
457.036DF



https://rs-online.eao.com/component/51-457.03...

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Your product:



# 51-457.036DF
# Actuator

## FRONT

| | |
|---|---|
| **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:** | 2 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 |

## 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 µA/µV 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:** | 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.<br>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:** | 0.019 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) |

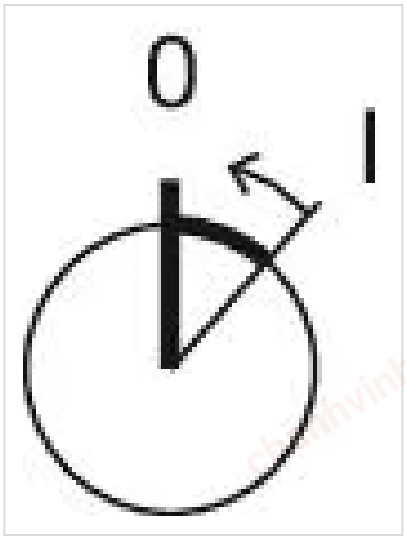
## CERTIFICATE

| | |
|---|---|
| **REACH:** | REACH compliant |
| **RoHS:** | RoHS compliant |

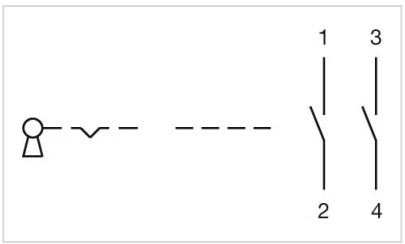
## OTHER

| | |
|---|---|
| **Short Description:** | Actuator, 21 mm x 21 mm, 18 mm x 18 mm, Square, 2 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:** | |

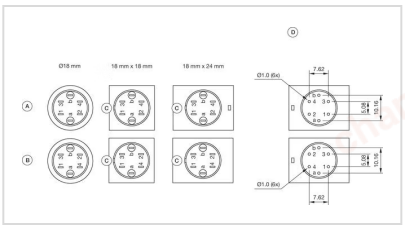
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**Wiring diagrams:**

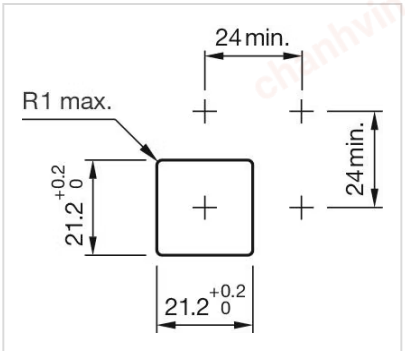



**Component layouts:**



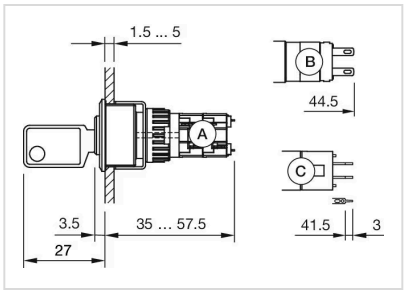
A = Universal terminal (rear side)
B = Plug-in terminal (rear side)
C = Anti twist device
D = Drilling plan

**Mounting cut-outs:**




**Dimension drawings:**

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