

# Actuator

51-

456.036F

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# 51-456.036F Actuator

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Design: Flush

Mounting type: Panel mounting

#### **OPERATING-/INDICATION PART**

Lens illumination: Illuminated

#### **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching

current:

100 mA at 42 VAC/VDC

Contacts: 1 NC

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

### **MECHANICAL CHARATERISTIC**

**Terminal:** Universal terminal, 2 x 0.5 mm

Contact material: Gold

**Switching action:** 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  $\mu A/\mu V$  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.

Mechanical lifetime:

5 Mil. cycles of operation

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

Operating Travel: 3 mm

**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:** 0.016 kg

#### **AMBIENT CONDITION**

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

Operating temperature: -25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

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

**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

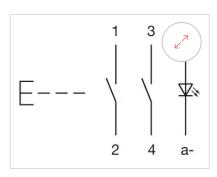
#### **OTHER**

**Short Description:** Actuator, Illuminated, 1 NC, Momentary, Universal terminal, 2 x 0.5 mm, IP65,

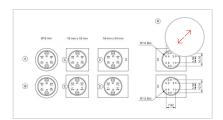
according to DIN EN 60529

Housing colour: Black

Wiring diagrams:



#### Component layouts:

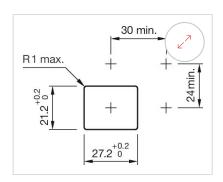


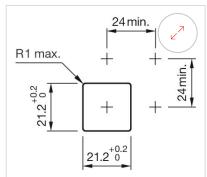
A = Universal terminal (rear side)

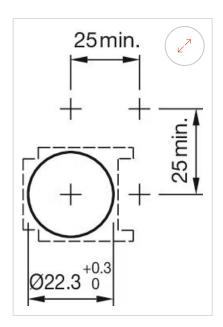
B = Plug-in terminal (rear side)
C = Anti twist device

D = Drilling plan

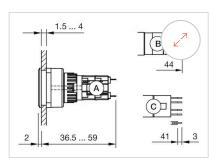
## Mounting cut-outs:







# 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