

# Actuator

92-456.900 Distribution by Mouser









## 92-456.900 Actuator

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Front dimension: 18,4 mm x 18,4 mm

Front form: Square

Front bezel colour: Black

Front bezel material: Plastic

## **MOUNTING**

Design: PCB

Mounting type: Panel mounting

## **OPERATING-/INDICATION PART**

Lens colour: White

Lens material: Plastic

Lens illumination: Non illuminated

Lens shape: Flush

Lens optics: opaque

## **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching Switching voltage current:

carrent.

Switching voltage min. 50 m VAC/DC max. 42 VAC/DC

Switching current min. 10 µA AC/DC

max. 100 mA AC/DC Power rating max. 2 W

Switching rating: 42 V

**Electrical lifetime:** 500 000 cycles of operation at 42VDC, 50mA, according to IEC 6512-5-9c

Electric strength:

Electrostatic discharge (ESD): 15 kV

## **MECHANICAL CHARACTERISTICS**

Switching action: Momentary

Switching system: Short-travel element

**Switching system:** Short-travel switching system with 2 independent contact points

Guarantees reliable switching even of very light loads. Fitted with 1 normally open

contact.

**Mechanical lifetime:** ≥1 Mil. cycles of operation

**Operating force:** 2.7 N  $\pm 1$  N switching element, 5 N lens

**Operating Travel:** ca. 0.4 mm switching element

**Tightening torque:** Fixing nut max. 0.5 Nm, Fixing screw mounting flange 0.4 Nm

**Weight:** 0.002 kg

## **AMBIENT CONDITION**

IP front protection: IP40

**IP Protection:** IP40 front side

**Operating temperature:**  $-25 \, ^{\circ}\text{C} \, ... + 70 \, ^{\circ}\text{C}$ 

Storage temperature:  $-40 \,^{\circ}\text{C} \dots + 80 \,^{\circ}\text{C}$ 

**Shock resistance:** Max. 500 m/s², pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)

Vibration resistance: Max. 100 m / s² from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC

60068-2-6)

## **CERTIFICATE**

Approbations: CQC

**Conformities:** CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

**REACH:** REACH compliant

RoHS: RoHS compliant

#### **OTHER**

**Short Description:** Actuator, 18,4 mm x 18,4 mm, Flush, Non illuminated, White, Plastic, opaque,

Square, Black, Plastic, Momentary, IP40

**Dimension:** 18.4 mm x 18.4 mm

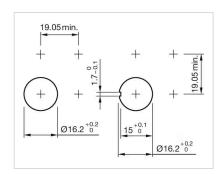
Housing colour: White

Housing material: Plastic

Wiring diagrams:



Mounting cut-outs:



Dimension drawings:

