

# Actuator

92-

458.100

Distribution by Mouser









# 92-458.100 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:** Smokey black

Lens material: Plastic

Lens illumination: Illuminated

Lens shape: Flush

Lens optics: transparent

Illumination colour: White

## **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching

current:

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:** 500 VAC, 50 Hz, 1 minute according to IEC 60512-5-9c

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:** 0.003 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 / s<sup>2</sup> from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC

60068-2-6)

## **CERTIFICATE**

Approbations: CQC

**C**E, 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, Illuminated, Smokey black, Plastic,

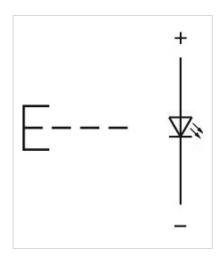
transparent, Square, Black, Plastic, Momentary, IP40, White

**Dimension:** 18.4 mm x 18.4 mm

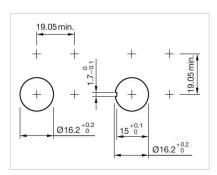
Housing colour: White

Housing material: Plastic

Wiring diagrams:



Mounting cut-outs:



Dimension drawings:

